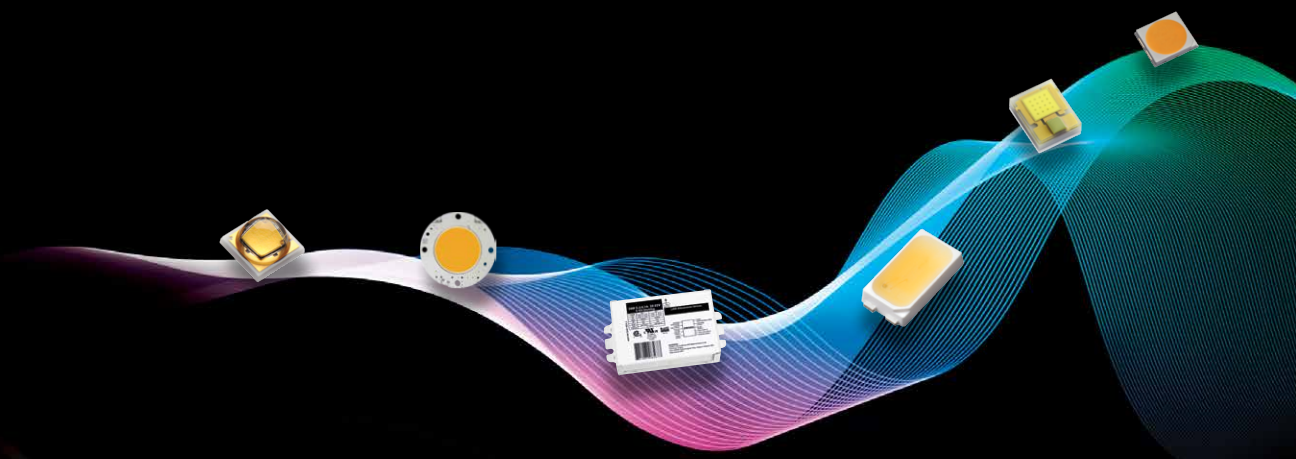
# All in 1

## LED Lighting Solutions Guide



FUTURE
Lighting Solutions

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Making LED Lighting Solutions Simple™

# We Accelerate Time to Revenue by Providing

- The Most Comprehensive System-Level Product Portfolio
- Solid-State Lighting Expertise
- Design Support Services
- Global Supply Chain and Business Solutions

FUTURE Lighting Solutions

www.FutureLightingSolutions.com



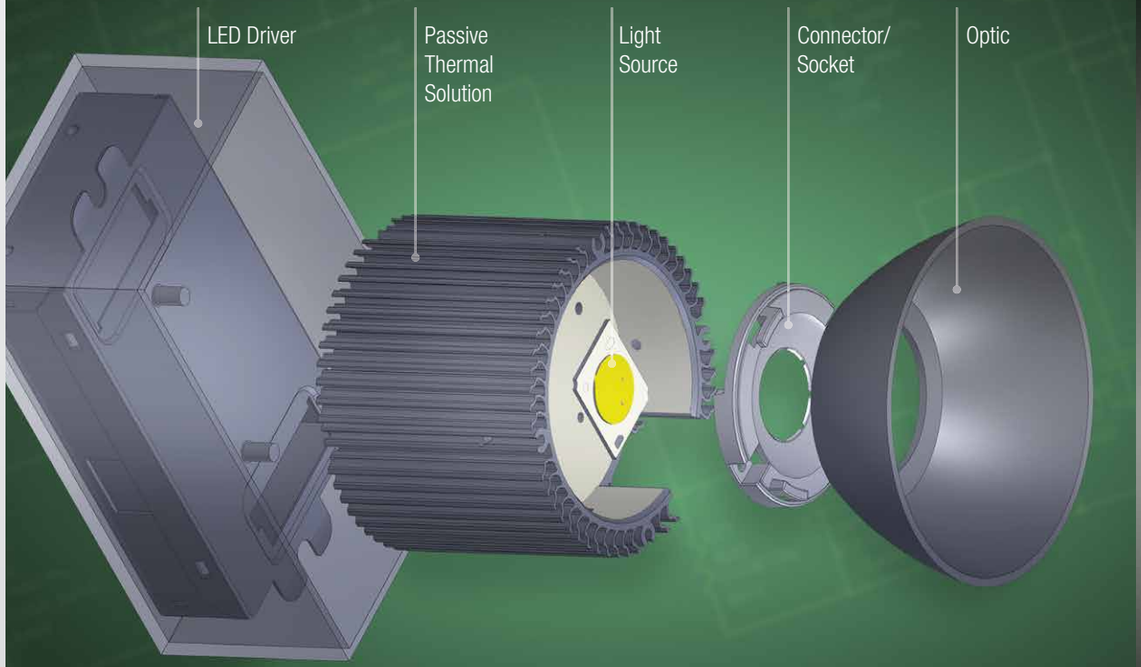
Making LED Lighting Solutions Simple™

# We Accelerate Time to Revenue by Providing The Most Comprehensive System-Level Product Portfolio

Our complete, well balanced product portfolio enables customers to attain all their product needs in one environment, including LEDs, Integrated LED Light Modules, Power Supplies, Optics, Thermals, and Lighting Control Systems.

FUTURE Lighting Solutions

www.FutureLightingSolutions.com




## We Accelerate Time to Revenue by Providing

# Solid-State Lighting Expertise

Certified, dedicated lighting professionals worldwide help bring solutions to the market; solid-state specialists provide Marketing, Sales, Technical Solutions, and Supply Chain expertise.

FUTURE Lighting Solutions

www.FutureLightingSolutions.com



Making LED Lighting Solutions Simple™

## We Accelerate Time to Revenue by Providing

# Design Support Services

Lighting Resource Centers in North America, Europe, and Asia enable customers to design their end products leveraging the latest technologies and solutions. Future Lighting Solutions' suite of more than 25 proprietary design tools, along with lighting engineering experts, help accelerate time to market.

FUTURE Lighting Solutions

www.FutureLightingSolutions.com

## We Accelerate Time to Revenue by Providing

# Global Supply Chain and Business Solutions

Global distribution hubs in Memphis (U.S.A.), Leipzig (Germany), and Singapore all offer the latest ordering cut-off times in the industry for next day delivery. Real-time visibility, dedicated global LED binning capabilities, and global access to inventory worldwide, provide for the highest level of on-time delivery.

Future Lighting Solutions' exclusive **Elite Lighting Program** affords customers a suite of unique benefits.

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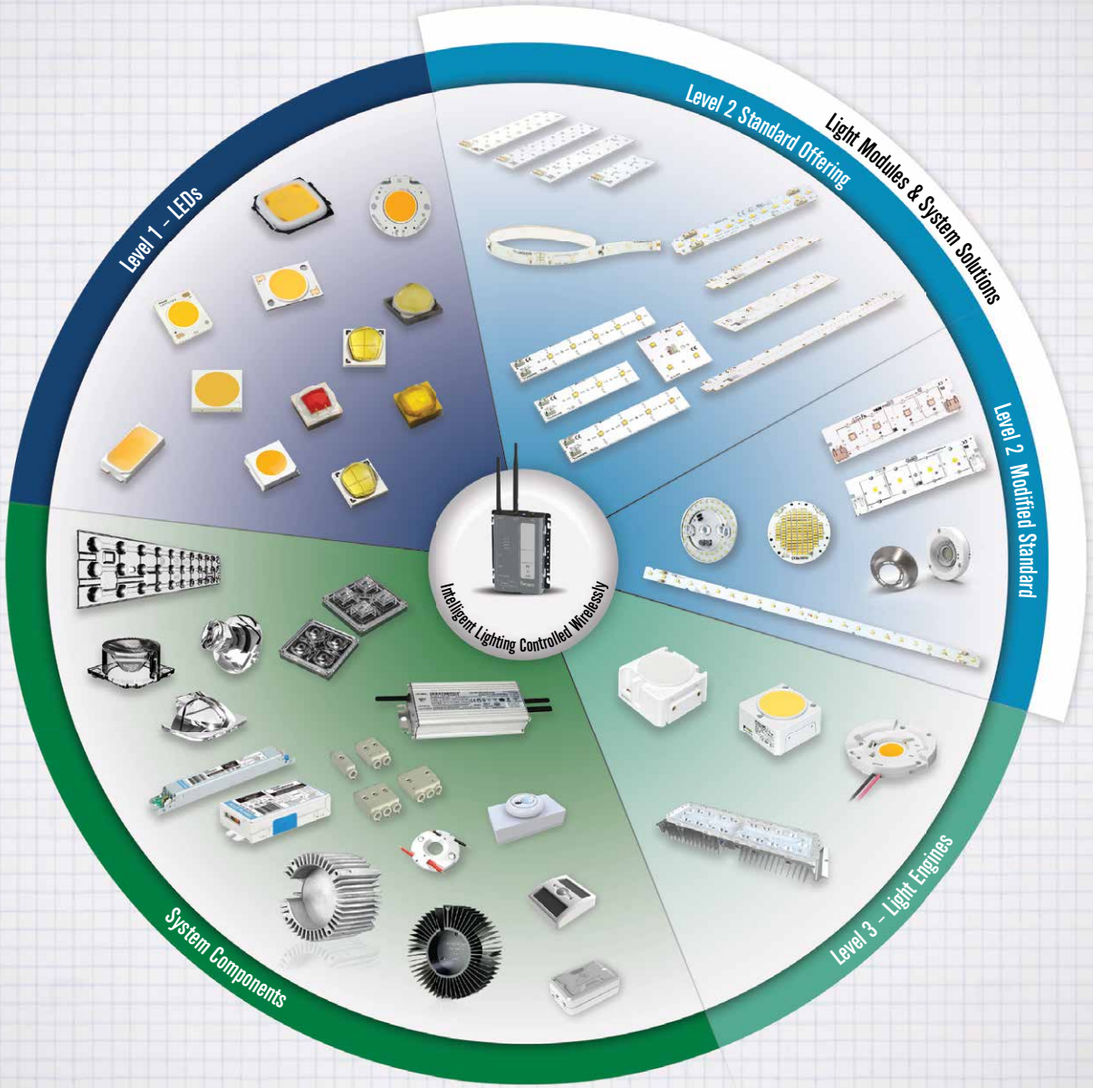
Making LED Lighting Solutions Simple™

# ECOSYSTEM



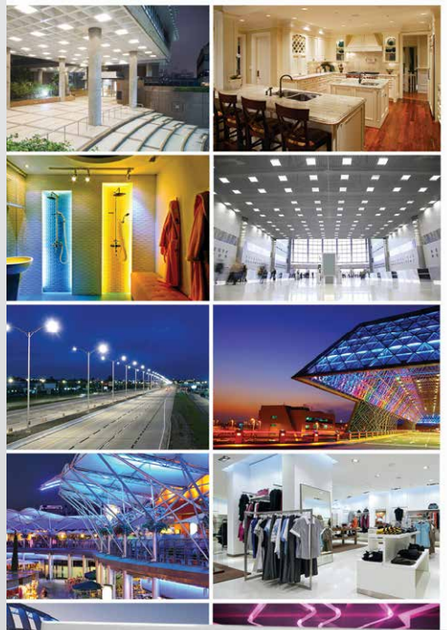

DESIGN YOUR LUMINAIRE NOW!
http://www1.FutureLightingSolutions.com/LSC

FUTURE Lighting Solutions

# Exclusive. Extraordinary. FREE.

UPDATED VERSION 1.1 AVAILABLE
DESIGN YOUR LUMINAIRE NOW!
http://www1.FutureLightingSolutions.com/LSC

## Over 30,000 Lighting Simulations Completed with Future Lighting Solutions' **Lighting System Creator** Design Tool



The Lighting System Creator is a free online design tool offered by Future Lighting Solutions which enables the user to seamlessly create an entire lighting system. Powered by a proprietary algorithm leveraging light source LM-80 data, the LSC automatically provides appropriate and application specific light sources based on value engineering principles, determines the optimal forward current and temperature to meet target flux, efficacy and L70/L90 lumen maintenance values.

- All light source technologies (packaged LEDs, CSPs, COBs, modules and light engines) are considered to generate an optimal proposal given the application requirements.
- The LSC suggests the most appropriate system component options, including optics, LED drivers, connectors/sockets and thermal management solutions, to define a complete lighting system.
- The LSC also automatically provides additional details such as the optimal series/parallel light source layout for the LED drivers and mechanical compatibility of the heat sink mounting holes with the selected light source or sockets.
- A comprehensive report can be generated to review options for making design trade-off decisions to accelerate time-to-market.

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www.FutureLightingSolutions.com



# FLS Online Tools

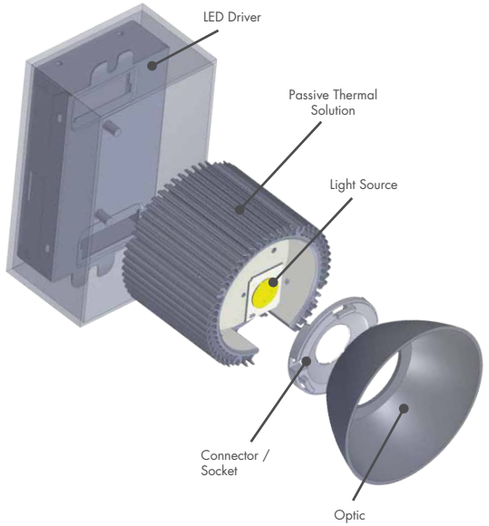
## Comprehensive suite of online tools to accelerate time-to-market

## FLS Proprietary Design Tools

### Designed in-house by FLS

### Internally developed tools

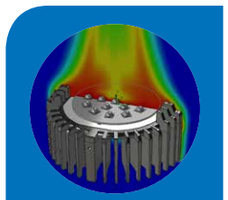
- LED System Design Tools
  - Lighting System Creator
  - Usable Light Tool
  - Driver Selector Tool
  - Horticulture Lighting Designer
  - Lumen Maintenance Projection Tool
  - Light Unit Conversion Tool
- Color Mixing Tools
  - CRI Optimization Tool
  - Color Mixing
  - White Color Mixing Tool
- Binning Tools
  - Binning Database
  - White Binning Tool
  - Color Binning Tool
  - Bin Tolerance Tool
  - Bin Optimization Tool




**Designing and Prototyping**

- LED selection
- Board layout
- Mechanical design
- Measurements

**Software and Simulation**



- FLS Online tools
- Optical simulation
- Thermal simulation
- System optimization

**Systems Solutions**

- Application specific
- Design/footprint reuse
- Integrated systems
- Driver, optics, sockets

Three Lighting Resource Centers: Montreal, The Netherlands, Shenzhen

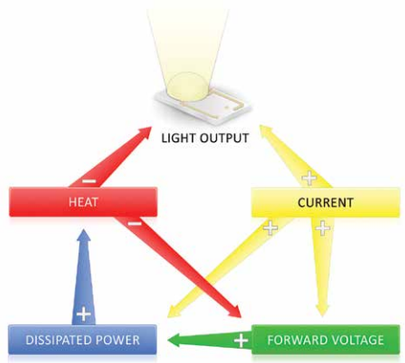
# FLS Online Tools (continued)

## Comprehensive suite of online tools to accelerate time-to-market

## Usable Light Tool

### Main Features and Benefits

- Evaluates and compares LED light levels in "real world" operating conditions
- Considers the effects of 7 critical relationships between current, forward voltage, dissipated power, and heat on light output
- Incorporates the effects of LED count, ambient temperature, board type and heat sink dimensions
- Includes a complete list of low, mid, high power, CSP LEDs and COB LEDs
- Available in multiple languages
- Generates a total of 40 performance charts
- Includes a value calculator that analyzes LED system and power costs




To register for the ULT, visit www.FutureLightingSolutions.com/ULT

## Driver Selector Tool

### Main Features and Benefits

- Simplifies driver selection for meeting real world applications needs
- Provides incredible flexibility to define the driver and LED load characteristics
- Includes an intelligent wizard function to make sure a suitable driver is always found

To use the Driver Selector Tool, visit www.FutureLightingSolutions.com/DST

## Lighting System Creator

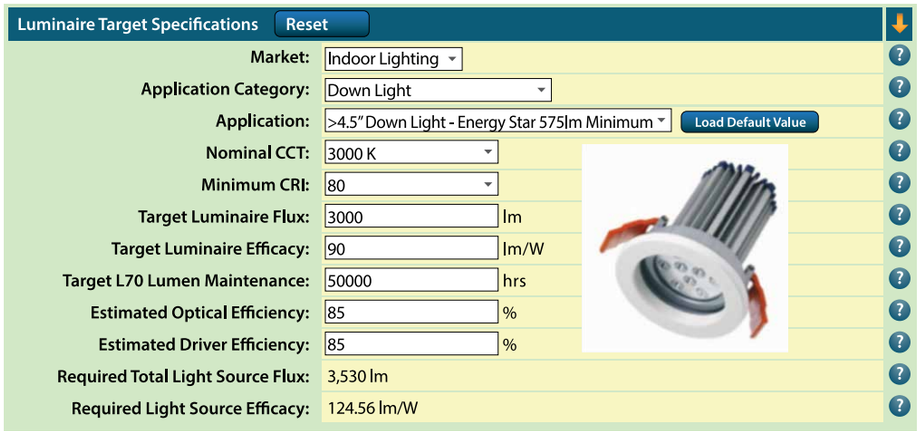
### Main Features and Benefits

- Simplifies the light source selection powered by LM-80 data
- Quickly generates a system solution:
  - Light source (LED, COB, board and module)
  - Standard optics (lens and reflector)
  - Standard LED driver with series/parallel layout
  - Light source accessory (socket and connector)
  - Standard thermal solution (passive and active cooling)
- Comprehensive reporting function

Register at www1.FutureLightingSolutions.com/LSC

### LSC v1.1 Enhancements Include:

- The LSC will optimize the temperature and current to minimize the LED count and suggest the most cost effective approach to meet target specifications using LEDs, COBs, and even modules and integrated light engines.
- In cases where the user wishes to consider one specific type of light source for the application, the user can now specifically select their preference versus being presented with all possible technical solutions.
- The LSC now also includes light sources that do not yet have an available LM-80 report. This now enables users to review recently released products for design consideration in to their fixtures.
- The tool also includes an automatic offset that incorporates the efficiency impact of the integrated driver and/or integrated optic for modules and light engines when applicable.



# Resources
## System-Level Design Services

### Lighting Resource Centers

Future Lighting Solutions' Lighting Resource Centers (LRCs) provide an unprecedented level of technical service and support, enabling customers to develop solid-state lighting solutions.

Qualified customers may leverage some of the following six main services:

#### Application Development

Future Lighting Solutions' Applications Team develops designs and demonstration units that cover the most common applications in the lighting market. Designs include selecting the right light source, power, optical, and thermal solutions that meet industry standards.

#### LED Board Design

Experienced design engineers assist customers in the design and manufacturing of LED circuit boards.

#### Thermal Design and Simulation

Leveraging sophisticated thermal simulation software, our engineers can design, simulate and optimize a thermal management solution customized per application.

#### Mechanical Design and Simulation

The LRCs provide mechanical design and simulation services that include designing and implementing modifications to new and existing fixtures.

#### Optical Design and Simulation

The LRCs provide optical design and detailed analyses of optical systems.

#### LED and System Measurements

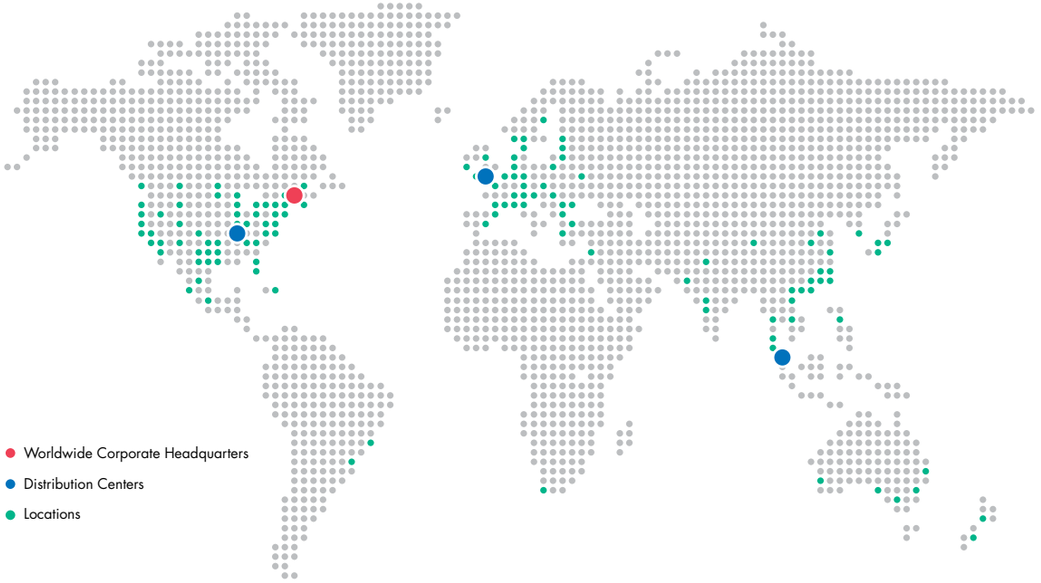
The LRCs leverage state-of-the-art equipment to provide accurate LED and system measurements including LED flux, illuminance, chromaticity coordinates, CRI, radiation pattern and more.

To determine if you qualify to take advantage of the LRCs' services, send an email to LRC@FutureLightingSolutions.com



# Resources
## Supply Chain

### Supply Chain Solutions




### Benefits

- Access to the largest available-to-sell inventory in the world
- Lowest turns ratio in the industry
- Industry leading warehouse and customized binning software
- Real-time visibility and global access to inventory worldwide
- Quick quote turnaround
- Reduced transit times
- Industry's highest level of on-time delivery (> 99.5%)

These strengths, along with our specialized solid-state lighting expertise, enable us to offer you the best technology and most sustainable supply in the industry.

For more information visit www.FutureLightingSolutions.com/contactus

# LED Light Sources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AMERICAN BRIGHT OPTOELECTRONICS CORP. bridgelux generalluminaire HPWINNER LG Innotek LUMILEDS molex NICHIA PHILIPS RENA simpleLED

# LEDs


High Power 19
Mid-Low Power 46
High Voltage 66
Chip on Board 68


bridgelux LG Innotek LUMILEDS molex NICHIA



# LEDs
## High Power

LG Innotek

### LG INNOTEK 3535 3W *(H35C4/H35C5 Series)*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| LEMWA33X80FXxxxA | Cool-White | ANSI 6500K | 80 | Current: 350mA LED Junction Temperature: 85°C | 141 | 156 | 160 | Current: 1500mA LED Junction Temperature: 150°C |
| LEMWA33X80FXxxxB | | | | | 148 | 161 | 165 | |
| LEMWA33X75FXxxxA | | | 75 | | 148 | 160 | 164 | |
| LEMWA33X75FXxxxB | | | | | 156 | 164 | 168 | |
| LEMWA33X70FXxxxA | | | 70 | | 156 | 171 | 175 | |
| LEMWA33X70FXxxxB | | | | | 163 | 172 | 176 | |
| LEMWA33X80GXxxxA | | ANSI 5700K | 80 | | 148 | 156 | 160 | |
| LEMWA33X80GXxxxB | | | | | 148 | 161 | 165 | |
| LEMWA33X75GXxxxA | | | 75 | | 156 | 160 | 164 | |
| LEMWA33X75GXxxxB | | | | | 156 | 164 | 168 | |
| LEMWA33X70GXxxxA | | | 70 | | 156 | 171 | 175 | |
| LEMWA33X70GXxxxB | | | | | 163 | 172 | 176 | |
| LEMWA33X90HXxxxA | | ANSI 5000K | 90 | | 124 | 139 | 142 | |
| LEMWA33X90HXxxxB | | | | | 132 | 144 | 147 | |
| LEMWA33X80HXxxxA | | | 80 | | 148 | 156 | 160 | |
| LEMWA33X80HXxxxB | | | | | 148 | 161 | 165 | |
| LEMWA33X75HXxxxA | | | 75 | | 156 | 160 | 164 | |
| LEMWA33X75HXxxxB | | | | | 156 | 164 | 168 | |
| LEMWA33X70HXxxxA | | | 70 | | 156 | 171 | 175 | |
| LEMWA33X70HXxxxB | | | | | 163 | 172 | 176 | |
| LEMWA33X90JXxxxA | Neutral-White | ANSI 4000K | 90 | | 124 | 143 | 146 | |
| LEMWA33X90JXxxxB | | | | | 132 | 143 | 146 | |
| LEMWA33X80JXxxxA | | | 80 | | 141 | 158 | 162 | |
| LEMWA33X80JXxxxB | | | | | 148 | 158 | 162 | |
| LEMWA33X70JXxxxA | | | 70 | | 148 | 160 | 164 | |
| LEMWA33X70JXxxxB | | | | | 156 | 167 | 171 | |
| LEMWA33X80KXxxxA | Warm-White | ANSI 3500K | 80 | | 132 | 147 | 151 | |
| LEMWA33X80KXxxxB | | | | | 141 | 150 | 154 | |
| LEMWA33X90LXxxxA | | ANSI 3000K | 90 | | 115 | 125 | 128 | |
| LEMWA33X90LXxxxB | | | | | 115 | 129 | 132 | |
| LEMWA33X80LXxxxA | | | 80 | | 132 | 144 | 147 | |
| LEMWA33X80LXxxxB | | | | | 132 | 145 | 148 | |
| LEMWA33X70LXxxxA | | | 70 | | 148 | 154 | 158 | |
| LEMWA33X70LXxxxB | | | | | 148 | 154 | 158 | |
| LEMWA33X80MXxxxA | | ANSI 2700K | 80 | | 132 | 138 | 141 | |
| LEMWA33X80MXxxxB | | | | | 132 | 140 | 143 | |

LG Innotek

## LG INNOTEK 3535 1W *(H35A0 Series)*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| LEMWA31X70FW10A0 | Cool-White | ANSI 6500K | 70 | Current: 350mA LED Junction Temperature: 25°C | 107 | 139 | 131 | Current: 700mA LED Junction Temperature: 150°C |
| LEMWA31X70GW10A0 | | ANSI 5700K | 70 | | 107 | 139 | 131 | |
| LEMWA31X70HW10A0 | | ANSI 5000K | 70 | | 107 | 139 | 131 | |
| LEMWA31X80JW30A0 | Neutral-White | ANSI 4000K | 80 | | 107 | 120 | 113 | |
| LEMWA31X80KW30A0 | Warm-White | ANSI 3500K | 80 | | 107 | 115 | 108 | |
| LEMWA31X80LW30A0 | | ANSI 3000K | 80 | | 94 | 107 | 101 | |
| LEMWA31X80MW30A0 | | ANSI 2700K | 80 | | 94 | 107 | 101 | |

## LG INNOTEK 3535 *(H35F0 Series)*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| LEMWE33390GUxxxx | Cool-White | ANSI 5700K | 90 | Current: 1050mA LED Junction Temperature: 85°C | 340 | 385 | 131 | Current: 3000mA LED Junction Temperature: 150°C |
| LEMWE33380GUxxxx | | | 80 | | 380 | 418 | 142 | |
| LEMWE33370GUxxxx | | | 70 | | 400 | 450 | 153 | |
| LEMWE33390HUxxxx | | ANSI 5000K | 90 | | 340 | 385 | 131 | |
| LEMWE33380HUxxxx | | | 80 | | 380 | 418 | 142 | |
| LEMWE33370HUxxxx | | | 70 | | 400 | 450 | 153 | |
| LEMWE33390JUxxxx | Neutral-White | ANSI 4000K | 90 | | 320 | 375 | 128 | |
| LEMWE33380JUxxxx | | | 80 | | 360 | 408 | 139 | |
| LEMWE33370JUxxxx | | | 70 | | 400 | 439 | 149 | |
| LEMWE33390LUxxxx | Warm-White | ANSI 3000K | 90 | | 300 | 350 | 119 | |
| LEMWE33380LUxxxx | | | 80 | | 340 | 380 | 129 | |
| LEMWE33370LUxxxx | | | 70 | | 380 | 421 | 143 | |





LUMILEDS

## LUXEON MX 12V *("Freedom From Binning")*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| L1MX-407012V500000 | Neutral-White | 4000K | 70 | Current: 700mA LED Junction Temperature: 85°C | 1160 | 1195 | 151 | Current: 1500mA LED Junction Temperature: 135°C |
| L1MX-507012V500000 | Cool-White | 5000K | | | 1160 | 1195 | 151 | |
| L1MX-577012V500000 | | 5700K | | | 1160 | 1205 | 152 | |
| L1MX-657012V500000 | | 6500K | | | 1160 | 1210 | 153 | |

## LUXEON MX 6V *("Freedom From Binning")*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| L1MX-407006V500000 | Neutral-White | 4000K | 70 | Current: 1400mA LED Junction Temperature: 85°C | 1160 | 1195 | 151 | Current: 3000mA LED Junction Temperature: 135°C |
| L1MX-507006V500000 | Cool-White | 5000K | | | 1160 | 1195 | 151 | |
| L1MX-577006V500000 | | 5700K | | | 1160 | 1205 | 152 | |
| L1MX-657006V500000 | | 6500K | | | 1160 | 1210 | 153 | |

## LUXEON MX 3V *("Freedom From Binning")*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| L1MX-407003V500000 | Neutral-White | 4000K | 70 | Current: 2800mA LED Junction Temperature: 85°C | 1160 | 1195 | 151 | Current: 6000mA LED Junction Temperature: 135°C |
| L1MX-507003V500000 | Cool-White | 5000K | | | 1160 | 1195 | 151 | |
| L1MX-577003V500000 | | 5700K | | | 1160 | 1205 | 152 | |
| L1MX-657003V500000 | | 6500K | | | 1160 | 1210 | 153 | |

LUMILEDS

## LUXEON M 12V *("Freedom From Binning")*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| LXR8-SW27 | Warm-White | 2700K | 80 | Current: 700mA LED Junction Temperature: 85°C | 730 | 800 | 102 | Current: 1200mA LED Junction Temperature: 135°C |
| LXR9-SW27 | | | 90 | | 600 | 660 | 84 | |
| LXR7-SW30 | | 3000K | 70 | | 900 | 1000 | 128 | |
| LXR8-SW30 | | | 80 | | 780 | 850 | 108 | |
| LXR9-SW30 | | | 90 | | 640 | 736 | 94 | |
| LXR8-SW35 | | 3500K | 80 | | 780 | 870 | 111 | |
| LXR7-SW40 | Neutral-White | 4000K | 70 | | 970 | 1076 | 137 | |
| LXR8-SW40 | | | 80 | | 840 | 905 | 115 | |
| LXR7-SW50 | Cool-White | 5000K | 70 | | 1040 | 1100 | 140 | |
| LXR8-SW50 | | | 80 | | 840 | 920 | 117 | |
| LXR7-SW57 | | 5700K | 70 | | 1040 | 1110 | 142 | |
| LXR9-SW57 | | | 90 | | 800 | 880 | 112 | |
| LXR7-SW65 | | 6500K | 70 | | 1040 | 1130 | 144 | |

## LUXEON M 6V *("Freedom From Binning")*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| LXR8-RW27 | Warm-White | 2700K | 80 | Current: 1400mA LED Junction Temperature: 85°C | 730 | 800 | 102 | Current: 2400mA LED Junction Temperature: 135°C |
| LXR9-RW27 | | | 90 | | 600 | 660 | 84 | |
| LXR7-RW30 | | 3000K | 70 | | 900 | 1000 | 128 | |
| LXR8-RW30 | | | 80 | | 780 | 850 | 108 | |
| LXR9-RW30 | | | 90 | | 640 | 736 | 94 | |
| LXR8-RW35 | | 3500K | 80 | | 780 | 870 | 111 | |
| LXR7-RW40 | Neutral-White | 4000K | 70 | | 970 | 1076 | 137 | |
| LXR8-RW40 | | | 80 | | 840 | 905 | 115 | |
| LXR7-RW50 | Cool-White | 5000K | 70 | | 1040 | 1100 | 140 | |
| LXR8-RW50 | | | 80 | | 840 | 920 | 117 | |
| LXR7-RW57 | | 5700K | 70 | | 1040 | 1110 | 142 | |
| LXR9-RW57 | | | 90 | | 800 | 880 | 112 | |
| LXR7-RW65 | | 6500K | 70 | | 1040 | 1130 | 144 | |





LUMILEDS

## LUXEON M 3V *("Freedom From Binning")*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| LXR8-QW27 | Warm-White | 2700K | 80 | Current: 2800mA LED Junction Temperature: 85°C | 730 | 800 | 102 | Current: 4800mA LED Junction Temperature: 135°C |
| LXR9-QW27 | | | 90 | | 600 | 660 | 84 | |
| LXR7-QW30 | | 3000K | 70 | | 900 | 1000 | 128 | |
| LXR8-QW30 | | | 80 | | 780 | 850 | 108 | |
| LXR9-QW30 | | | 90 | | 640 | 736 | 94 | |
| LXR8-QW35 | | 3500K | 80 | | 780 | 870 | 111 | |
| LXR7-QW40 | Neutral-White | 4000K | 70 | | 970 | 1076 | 137 | |
| LXR8-QW40 | | | 80 | | 840 | 905 | 115 | |
| LXR7-QW50 | Cool-White | 5000K | 70 | | 1040 | 1100 | 140 | |
| LXR8-QW50 | | | 80 | | 840 | 920 | 117 | |
| LXR7-QW57 | | 5700K | 70 | | 1040 | 1110 | 142 | |
| LXR9-QW57 | | | 90 | | 800 | 880 | 112 | |
| LXR7-QW65 | | 6500K | 70 | | 1040 | 1130 | 144 | |

## LUXEON MZ 12V *("Freedom From Binning")*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| LMZ8-SW27 | Warm-White | ANSI 2700K | 80 | Current: 700mA LED Junction Temperature: 85°C | 710 | 760 | 97 | Current: 1200mA LED Junction Temperature: 135°C |
| LMZ9-SW27 | | | 90 | | 560 | 600 | 77 | |
| LMZ7-SW30 | | ANSI 3000K | 70 | | 805 | 840 | 107 | |
| LMZ8-SW30 | | | 80 | | 730 | 781 | 100 | |
| LMZ9-SW30 | | | 90 | | 600 | 640 | 82 | |
| LMZ8-SW35 | | ANSI 3500K | 80 | | 730 | 800 | 102 | |
| LMZ7-SW40 | Neutral-White | ANSI 4000K | 70 | | 870 | 940 | 120 | |
| LMZ8-SW40 | | | 80 | | 840 | 880 | 112 | |
| LMZ7-SW50 | Cool-White | ANSI 5000K | 70 | | 870 | 950 | 121 | |
| LMZ8-SW50 | | | 80 | | 840 | 890 | 114 | |
| LMZ7-SW57 | | ANSI 5700K | 70 | | 900 | 980 | 125 | |
| LMZ9-SW57 | | | 90 | | 700 | 770 | 98 | |
| LMZ7-SW65 | | ANSI 6500K | 70 | | 900 | 980 | 125 | |

## LUXEON MZ 12V ROYAL BLUE

| Part Number | Color | Typical Wavelength (nm) | Test Conditions | Minimum Flux (mW) | Typical Flux (mW) | Radiant Efficacy (%) | Maximum Ratings |
|---|---|---|---|---|---|---|---|
| LMZ0-SR00 | Royal Blue | 447.5 | Current: 700mA LED Junction Temperature: 85°C | 3500 | 3600 | 45.9 | Current: 1200mA LED Junction Temperature: 135°C |

LED LIGHT SOURCES

LUMILEDS

## LUXEON MZ 6V *("Freedom From Binning")*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| LMZ8-RW27 | Warm-White | ANSI 2700K | 80 | Current: 1400mA LED Junction Temperature: 85°C | 710 | 760 | 97 | Current: 2400mA LED Junction Temperature: 135°C |
| LMZ9-RW27 | | | 90 | | 560 | 600 | 77 | |
| LMZ7-RW30 | | ANSI 3000K | 70 | | 805 | 840 | 107 | |
| LMZ8-RW30 | | | 80 | | 730 | 781 | 100 | |
| LMZ9-RW30 | | | 90 | | 600 | 640 | 82 | |
| LMZ8-RW35 | | ANSI 3500K | 80 | | 730 | 800 | 102 | |
| LMZ7-RW40 | Neutral-White | ANSI 4000K | 70 | | 870 | 940 | 120 | |
| LMZ8-RW40 | | | 80 | | 840 | 880 | 112 | |
| LMZ7-RW50 | Cool-White | ANSI 5000K | 70 | | 870 | 950 | 121 | |
| LMZ8-RW50 | | | 80 | | 840 | 890 | 114 | |
| LMZ7-RW57 | | ANSI 5700K | 70 | | 900 | 980 | 125 | |
| LMZ9-RW57 | | | 90 | | 700 | 770 | 98 | |
| LMZ7-RW65 | | ANSI 6500K | 70 | | 900 | 980 | 125 | |

## LUXEON MZ 6V ROYAL BLUE

| Part Number | Color | Typical Wavelength (nm) | Test Conditions | Minimum Flux (mW) | Typical Flux (mW) | Radiant Efficacy (%) | Maximum Ratings |
|---|---|---|---|---|---|---|---|
| LMZ0-RR00 | Royal Blue | 447.5 | Current: 1400mA LED Junction Temperature: 85°C | 3500 | 3600 | 45.9 | Current: 2100mA LED Junction Temperature: 135°C |

## LUXEON MZ 3V *("Freedom From Binning")*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| LMZ8-QW27 | Warm-White | ANSI 2700K | 80 | Current: 2800mA LED Junction Temperature: 85°C | 710 | 760 | 97 | Current: 4800mA LED Junction Temperature: 135°C |
| LMZ9-QW27 | | | 90 | | 560 | 600 | 77 | |
| LMZ7-QW30 | | ANSI 3000K | 70 | | 805 | 840 | 107 | |
| LMZ8-QW30 | | | 80 | | 730 | 781 | 100 | |
| LMZ9-QW30 | | | 90 | | 600 | 640 | 82 | |
| LMZ8-QW35 | | ANSI 3500K | 80 | | 730 | 800 | 102 | |
| LMZ7-QW40 | Neutral-White | ANSI 4000K | 70 | | 870 | 940 | 120 | |
| LMZ8-QW40 | | | 80 | | 840 | 880 | 112 | |
| LMZ7-QW50 | Cool-White | ANSI 5000K | 70 | | 870 | 950 | 121 | |
| LMZ8-QW50 | | | 80 | | 840 | 890 | 114 | |
| LMZ7-QW57 | | ANSI 5700K | 70 | | 900 | 980 | 125 | |
| LMZ9-QW57 | | | 90 | | 700 | 770 | 98 | |
| LMZ7-QW65 | | ANSI 6500K | 70 | | 900 | 980 | 125 | |





LUMILEDS

## LUXEON MZ 3V ROYAL BLUE

| Part Number | Color | Typical Wavelength (nm) | Test Conditions | Minimum Flux (mW) | Typical Flux (mW) | Radiant Efficacy (%) | Maximum Ratings |
|---|---|---|---|---|---|---|---|
| LMZ0-QR00 | Royal Blue | 447.5 | Current: 2800mA LED Junction Temperature: 85°C | 3500 | 3600 | 45.9 | Current: 4200mA LED Junction Temperature: 135°C |

## LUXEON TX *("Freedom from Binning")*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| L1T2-2780Y00000000 | Warm-White | 2700K | 80 | Current: 700mA LED Junction Temperature: 85°C | 200 | 216 | 110 | Current: 1050mA LED Junction Temperature: 150°C<br>Current: 1200mA LED Junction Temperature: 135°C |
| L1T2-27850Y0000000 | | | 85 | | 170 | 186 | 95 | |
| L1T2-2790Y00000000 | | | 90 | | 160 | 175 | 89 | |
| L1T2-3070000000000 | | 3000K | 70 | | 250 | 270 | 136 | |
| L1T2-3080Y00000000 | | | 80 | | 210 | 227 | 116 | |
| L1T2-3085Y00000000 | | | 85 | | 180 | 197 | 101 | |
| L1T2-3090Y00000000 | | | 90 | | 170 | 188 | 96 | |
| L1T2-3580Y00000000 | | 3500K | 80 | | 220 | 238 | 121 | |
| L1T2-3585Y00000000 | | | 85 | | 190 | 208 | 106 | |
| L1T2-4070000000000 | Neutral-White | 4000K | 70 | | 280 | 295 | 148 | |
| L1T2-4080Y00000000 | | | 80 | | 230 | 247 | 126 | |
| L1T2-4085Y00000000 | | | 85 | | 200 | 217 | 111 | |
| L1T2-5070000000000 | Cool-White | 5000K | 70 | | 280 | 295 | 148 | |
| L1T2-5080Y00000000 | | | 80 | | 230 | 247 | 126 | |
| L1T2-5085Y00000000 | | | 85 | | 200 | 217 | 111 | |
| L1T2-5770000000000 | | 5700K | 70 | | 280 | 295 | 148 | |
| L1T2-6570000000000 | | 6500K | 70 | | 280 | 295 | 148 | |

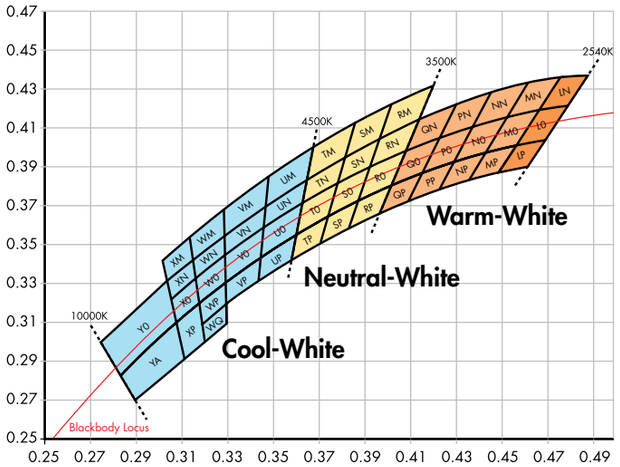
Note: Y refers to 3-step and 5-step MacAdam Ellipse

## LUXEON C WHITE

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| L1C1-2780000000000 | Warm-White | 2700K | 80 | Current: 350mA LED Junction Temperature: 85°C | 90 | 94 | 98 | Current: 1225mA LED Junction Temperature: 135°C |
| L1C1-3080000000000 | | 3000K | | | 90 | 102 | 106 | |
| L1C1-4070000000000 | Neutral-White | 4000K | 70 | | 100 | 116 | 121 | |
| L1C1-4080000000000 | | | 80 | | 100 | 113 | 117 | |
| L1C1-5070000000000 | Cool-White | 5000K | 70 | | 100 | 117 | 122 | |
| L1C1-5770000000000 | | 5700K | 70 | | 100 | 118 | 124 | |
| L1C1-5790000000000 | | 5700K | 90 | | 80 | 93 | 97 | |
| L1C1-6570000000000 | | 6500K | 70 | | 100 | 119 | 124 | |

LUMILEDS

## LUMILEDS LUXEON REBEL WHITE BINNING STRUCTURE




### CCT RANGE

**Cool-White**
19 color bins
10,000K to 4,500K

**Neutral-White**
12 color bins
4,500K to 3,500K

**Warm-White**
15 color bins
3,500K to 2,540K

## LUXEON REBEL ES

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| LXH7-PW40* | Neutral-White | 4000K | 70 | | 180 | 205 | 101 | Current: 1000mA LED Junction Temperature: 150°C |
| LXML-PWN2 | | 4100K | 60 | | 200 | 230 | 113 | |
| LXML-PWC2 | Cool-White | 5650K | 60 | | 200 | 235 | 116 | |

* ANSI BINNED

## LUXEON REBEL PLUS

| Part Number | Color | CCT | Typical CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| LX18-P127-Y | Warm-White | ANSI 2700K | 80 | Current: 350mA LED Junction Temperature: 85°C | 80 | 85 | 88 | Current: 1000mA LED Junction Temperature: 150°C |
| LX18-P130-Y | | ANSI 3000K | | | 85 | 95 | 98 | |
| LX18-P135-Y | | ANSI 3500K | | | 90 | 98 | 101 | |
| LX18-P140-Y | Neutral-White | ANSI 4000K | | | 90 | 103 | 107 | |
| LX18-P150-Y | Cool-White | ANSI 5000K | | | 95 | 106 | 110 | |

Note: Y refers to 3-step and 5-step MacAdam Ellipse





LUMILEDS

## LUXEON Z

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| LXZ1-2780-Y | Warm-White | 2700K | 80 | Current: 500mA LED Junction Temperature: 85°C | 100 | 115 | 82 | Current: 1000mA LED Junction Temperature: 135°C |
| LXZ1-3080-Y | | 3000K | | | 110 | 124 | 89 | |
| LXZ1-3580-Y | | 3500K | | | 110 | 124 | 89 | |
| LXZ1-4080-Y | Neutral-White | 4000K | | | 120 | 130 | 93 | |
| LXZ1-4070 | | | 70 | | 120 | 134 | 96 | |
| LXZ1-5070 | Cool-White | 5000K | | | 130 | 148 | 106 | |
| LXZ1-5770 | | 5700K | | | 140 | 152 | 109 | |
| LXZ1-6565 | | 6500K | 65 | | 140 | 154 | 110 | |

Note: In the part number the -Y is the designation for the color requirement. On 80 CRI versions -3 designates 3 SDCM and -5 designates 5 SDCM. 70 CRI parts or lower will not have a SDCM designation and all parts are binned within a 5 step SDCM.

## LUXEON Z ES (3V)

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| LXZ2-2280-Y | Warm-White | 2200K | 80 | Current: 700mA LED Junction Temperature: 85°C | 140 | 150 | 77 | Current: 1200mA LED Junction Temperature: 135°C |
| LXZ2-2780-Y | | 2700K | 80 | | 170 | 185 | 94 | |
| LXZ2-2790-Y | | | 90 | | 140 | 160 | 82 | |
| LXZ2-3080-Y | | 3000K | 80 | | 180 | 195 | 99 | |
| LXZ2-3090-Y | | | 90 | | 150 | 170 | 87 | |
| LXZ2-3580-Y | | 3500K | 80 | | 190 | 205 | 105 | |
| LXZ2-3590-Y | | | 90 | | 150 | 171 | 87 | |
| LXZ2-4070 | Neutral-White | 4000K | 70 | | 220 | 240 | 122 | |
| LXZ2-4080-Y | | | 80 | | 190 | 220 | 112 | |
| LXZ2-4090-Y | | | 90 | | 150 | 180 | 92 | |
| LXZ2-5070 | Cool-White | 5000K | 70 | | 220 | 245 | 125 | |
| LXZ2-5080-Y | | | 80 | | 190 | 220 | 112 | |
| LXZ2-5770 | | 5700K | 70 | | 220 | 245 | 125 | |
| LXZ2-5790-Y | | | 90 | | 170 | 190 | 97 | |
| LXZ2-6570 | | 6500K | 70 | | 220 | 245 | 125 | |

Note: -Y is the designation for color requirement. On 80 CRI versions -3 designates 3 SDCM and -5 designates 5 SDCM. 70 CRI parts or lower will not have a SDCM designation and all parts are binned within a 5 step SDCM.

## LUXEON Z ES 48V

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| LXZH-2780-Y | Warm-White | 2200K | 80 | Current: 40mA LED Junction Temperature: 85°C | 150 | 165 | 83 | Current: 45mA LED Junction Temperature: 135°C |

Note: -Y is the designation for color requirement. On 80 CRI versions -3 designates 3 SDCM and -5 designates 5 SDCM. 70 CRI parts or lower will not have a SDCM designation and all parts are binned within a 5 step SDCM.

# LEDs
## High Power (continued)

LUMILEDS

### LUXEON Z ES ROYAL BLUE (3V)

| Part Number | Color | Wavelength Range (nm) | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|
| LXZ2-PR02 | Royal Blue | 440-455 | Current: 700mA LED Junction Temperature: 85°C | 800 | 850 | 45 | Current: 1200mA LED Junction Temperature: 135°C |

### HIGH POWER COLOR
### LUXEON SUNPLUS 20

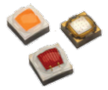
| Part Number | Color | Wavelength Range (nm) | Test Conditions | Minimum PPF in PAR (400-700nm) umols/s | Typical PPF in PAR (400-700nm) umols/s | Typical Efficacy PPF/W (umol/J) | Maximum Ratings |
|---|---|---|---|---|---|---|---|
| L1SP-RYL0002000000 | Royal Blue | 440-455 | Current: 350mA LED Junction Temperature: 85°C | 1.9 | 2.04 | 2.1 | Forward Current: 1050mA LED Junction Temperature: 135°C |
| L1SP-FRD0002000000 | Far Red | 720-750 | | 1.1 | 1.37 | 2.3 | Forward Current: 700mA LED Junction Temperature: 135°C |
| L1SP-DRD0002000000 | Deep Red | 665-670 | | 1.6 | 1.72 | 2.6 | |
| L1SP-LME0002000000 | Lime | - | | 1.5 | 1.59 | 1.7 | Forward Current: 1225mA LED Junction Temperature: 135°C |
| L1SP-CW90002000000 | Cool-White | - | | 1.4 | 1.51 | 1.6 | |





LUMILEDS

### LUXEON C COLOR LINE



| Part Number | Color | Wavelength Range (nm) | Test Conditions | Minimum Flux (lm or mW) | Typical Flux (lm or mW) | Typical Efficacy (lm/W) or Radiant Efficacy (%) | Maximum Ratings |
|---|---|---|---|---|---|---|---|
| L1C1-PCA1000000000 | PC Amber | 588-592 | Current: 350mA LED Junction Temperature: 85°C | 80 | 94 | 98 | Current: 1050mA LED Junction Temperature: 120°C |
| L1C1-RNG1000000000 | Red Orange | 614-624 | | 45 | 54 | 75 | |
| L1C1-RED1000000000 | Red | 624-634 | | 35 | 45 | 64 | |
| L1C1-BLU1000000000 | Blue | 465-485 | | 25 | 41 | 40 | Current: 1050mA LED Junction Temperature: 135°C |
| L1C1-GRN1000000000 | Green | 520-540 | | 90 | 97 | 109 | |
| L1C1-CYN1000000000 | Cyan | 490-510 | | 65 | 72 | 79 | |
| L1C1-RYL1000000000 | Royal Blue | 440-460 | | 480 | 532mW | - | |
| L1C1-LME1000000000 | Lime | | | 140 | 152 | 158 | Current: 1225mA LED Junction Temperature: 135°C |
| L1C1-MNT1000000000 | Mint | | | 140 | 152 | 158 | |
| L1C1-FRD1000000000 | Far Red | 720-750 | | 190 | 230mW | - | Current: 700mA LED Junction Temperature: 135°C |
| L1C1-DRD1000000000 | Deep Red | 665-675 | | 280 | 315mW | - | |
| L1C1-AMB1000000000 | Amber | 585-600 | | 20 | 30 | 42 | Current: 1050mA LED Junction Temperature: 120°C |

# LEDs
## High Power (continued)

LUMILEDS

### LUXEON Z COLOR LINE

| Part Number | Color | Wavelength Range (nm) | Test Conditions | Minimum Flux (lm or mW) | Typical Flux (lm or mW) | Typical Efficacy (lm/W) or Radiant Efficacy (%) | Maximum Ratings |
|---|---|---|---|---|---|---|---|
| LXZ1-PM01 | Green | 520-540 | Current: 500mA LED Junction Temperature: 25°C | 80 | 105 | 74 | Current: 1000mA LED Junction Temperature: 150°C |
| LXZ1-PE01 | Cyan | 490-510 | | 48 | 74 | 52 | |
| LXZ1-PB01 | Blue | 460-480 | | 24 | 36 | 25 | |
| LXZ1-PR01 | Royal Blue | 440-460 | | 500 mW | 625mW | 43.9% | |
| LXZ1-PA01 | Deep Red | 650-670 | | 250 mW | 375mW | 26.3% | |
| LXZ1-PD01 | Red | 620-645 | | 40 | 56 | 50 | |
| LXZ1-PH01 | Red-Orange | 610-620 | | 56 | 66 | 67 | |
| LXZ1-PL01 | Amber | 585-595 | | 48 | 55 | 51 | |
| LXZ1-PX01 | Lime | 566-569 | Current: 500mA LED Junction Temperature: 85°C | 144 | 177 | 123 | Current: 700mA LED Junction Temperature: 135°C |
| LXZ1-PL02 | PC Amber | 588-592 | | 72 | 100 | 68 | |
| LXZ1-PL03 | Amber | 594-604 | | 16 | 24 | 23 | Current: 1000mA LED Junction Temperature: 120°C |
| LXZ1-PD02 | Red | 624-634 | | 24 | 44 | 40 | Current: 700mA LED Junction Temperature: 135°C |
| LXZ1-PH02 | Red-Orange | 614-624 | | 40 | 50 | 45 | |

### LUXEON REBEL COLOR LINE

| Part Number | Color | Wavelength Range (nm) | Test Conditions | Minimum Flux (lm or mW) | Typical Flux (lm or mW) | Typical Efficacy (lm/W) or Radiant Efficacy (%) | Maximum Ratings |
|---|---|---|---|---|---|---|---|
| LXML-PX02-0000 | Lime | 566-569 | Current: 350mA LED Junction Temperature: 85°C | 140 | 184 | 190 | Current: 1000mA LED Junction Temperature: 150°C |
| LXML-PM01-0100 | Green | 520-540 | Current: 350mA LED Junction Temperature: 25°C | 100 | 102 | 100 | |
| LXML-PM01-0090 | | | | 90 | 95 | 93 | |
| LXML-PM01-0080 | | | | 80 | 88 | 86 | |
| LXML-PM01-0070 | | | | 70 | 79 | 78 | |



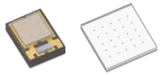
LED LIGHT SOURCES

LUMILEDS

| Part Number | Color | Wavelength Range (nm) | Test Conditions | Minimum Flux (lm or mW) | Typical Flux (lm or mW) | Typical Efficacy (lm/W) or Radiant Efficacy (%) | Maximum Ratings |
|---|---|---|---|---|---|---|---|
| LXML-PE01-0080 | Cyan | 490-515 | Current: 350mA LED Junction Temperature: 25°C | 80 | 83 | 81 | Current: 1000mA LED Junction Temperature: 150°C |
| LXML-PE01-0070 | | | | 70 | 76 | 75 | |
| LXML-PE01-0060 | | | | 60 | 67 | 66 | |
| LXML-PB01-0040 | Blue | 460-485 | | 40 | 41 | 38 | |
| LXML-PB01-0030 | | | | 30 | 35 | 33 | |
| LXML-PB01-0023 | | | | 23.5 | 28 | 26 | |
| LXML-PB01-0018 | | | | 18.1 | 22 | 21 | |
| LXML-PB02 | | | Current: 700mA LED Junction Temperature: 25°C | 50 | 74 | 36 | |
| LXML-PR02-1100 | Royal Blue | 440-460 | | 1100mW | 1120mW | 53% | |
| LXML-PR02-1050 | | | | 1050mW | 1070mW | 51% | |
| LXML-PR02-1000 | | | | 1000mW | 1030mW | 49% | |
| LXML-PR02-0950 | | | | 950mW | 970mW | 46% | |
| LXML-PR02-0900 | | | | 900mW | 940mW | 44% | |
| LXML-PR02-0800 | | | | 800mW | 890mW | 42% | |
| LXML-PR02-A900 | | | | 900mW | 1030mW | 49% | |
| LXML-PR01-0500 | | | Current: 350mA LED Junction Temperature: 25°C | 500 mW | 520 mW | 48% | |
| LXML-PF01 | Far Red | 720-750 | | 210mW | 260mW | 40% | Current: 700mA LED Junction Temperature: 135°C |
| LXM3-PD01 | Deep Red | 650-670 | | 260mW | 360 mW | 46% | |
| LXM2-PD01-0060 | Red | 620-645 | | 60 | 62 | 83 | |
| LXM2-PD01-0050 | | | | 50 | 53 | 75 | |
| LXM2-PD01-0040 | | | | 40 | 48 | 65 | |
| LXML-PD01-0050 | | | | 50 | 52 | 53 | |
| LXML-PD01-0040 | | | | 40 | 46 | 47 | |
| LXML-PD01-0030 | | | | 30 | 38 | 37 | |
| LXM5-PD01 | | | | 50 | 82 | 112 | |
| LXM2-PH01-0070 | Red-Orange | 610-620 | Current: 350mA LED Junction Temperature: 25°C | 70 | 72 | 98 | Current: 700mA LED Junction Temperature: 130°C |
| LXM2-PH01-0060 | | | | 60 | 67 | 91 | |
| LXML-PH01-0060 | | | | 60 | 62 | 63 | |
| LXML-PH01-0050 | | | | 50 | 56 | 57 | |
| LXM5-PH01 | | | | 50 | 89 | 121 | |
| LXML-PL01-0060 | Amber | 585-595 | | 60 | 61 | 60 | |
| LXML-PL01-0050 | | | | 50 | 54 | 51 | |
| LXML-PL01-0040 | | | | 40 | 48 | 46 | |
| LXML-PL01-0030 | | | | 30 | 38 | 37 | |
| LXM5-PL01 | | | | 50 | 74 | 99 | |
| LXM2-PL01-0000 | PC Amber | 594-604 | | 80 | 112 | 105 | |

LUMILEDS

## UV LEDS
### LUXEON UV AND LUXEON UV U1

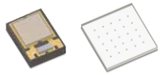


| Part Number | Wavelength Range (nm) | Test Conditions | Typ Flux (mW) @500mA | Typ Flux (mW) @1000mA | Peak Wall-Plug Efficiency (%) | Maximum Ratings |
|---|---|---|---|---|---|---|
| LHUV-0380-0150 | 380-385 | Current: 500mA LED Junction Temperature: 25°C | 175 | 370 | 12 | Current: 1000mA LED Junction Temperature: 135°C |
| LHUV-0380-0200 | | | 225 | 475 | 15 | |
| LHUV-0380-0250 | | | 275 | 580 | 18 | |
| LHUV-0380-0300 | | | 325 | 685 | 21 | |
| LHUV-0385-0200 | 385-390 | | 225 | 470 | 15 | |
| LHUV-0385-0250 | | | 275 | 570 | 18 | |
| LHUV-0385-0300 | | | 325 | 675 | 22 | |
| LHUV-0385-0350 | | | 375 | 780 | 25 | |
| LHUV-0390-0300 | 390-395 | | 330 | 695 | 22 | |
| LHUV-0390-0350 | | | 375 | 790 | 25 | |
| LHUV-0390-0400 | | | 425 | 900 | 28 | |
| LHUV-0390-0450 | | | 470 | 1000 | 32 | |
| LHUV-0395-0350 | 395-400 | | 375 | 765 | 25 | |
| LHUV-0395-0400 | | | 425 | 870 | 28 | |
| LHUV-0395-0450 | | | 475 | 970 | 31 | |
| LHUV-0395-0500 | | | 525 | 1075 | 35 | |
| LHUV-0400-0400 | 400-405 | | 435 | 875 | 28 | |
| LHUV-0400-0450 | | | 475 | 960 | 31 | |
| LHUV-0400-0500 | | | 525 | 1055 | 34 | |
| LHUV-0405-0500 | 405-410 | | 525 | 1005 | 35 | |
| LHUV-0405-0550 | | | 575 | 1100 | 38 | |
| LHUV-0405-0600 | | | 625 | 1195 | 41 | |
| LHUV-0405-0650 | | | 675 | 1295 | 45 | |
| LHUV-0410-0500 | 410-415 | | 525 | 985 | 35 | |
| LHUV-0410-0550 | | | 575 | 1080 | 38 | |
| LHUV-0410-0600 | | | 625 | 1160 | 41 | |
| LHUV-0410-0650 | | | 675 | 1255 | 45 | |
| LHUV-0415-0550 | 415-420 | | 575 | 1070 | 39 | |
| LHUV-0415-0600 | | | 625 | 1160 | 42 | |
| LHUV-0415-0650 | | | 675 | 1250 | 46 | |
| LHUV-0420-0550 | 420-425 | | 575 | 1060 | 39 | |
| LHUV-0420-0600 | | | 625 | 1150 | 41 | |
| LHUV-0420-0650 | | | 675 | 1245 | 45 | |





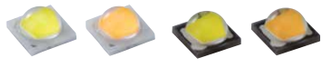
LUMILEDS



| Part Number | Wavelength Range (nm) | Test Conditions | Typ Flux (mW) @500mA | Typ Flux (mW) @1000mA | Peak Wall-Plug Efficiency (%) | Maximum Ratings |
|---|---|---|---|---|---|---|
| LHUV-0425-0550 | 425-430 | Current: 500mA LED Junction Temperature: 25°C | 575 | 1070 | 39 | Current: 1000mA LED Junction Temperature: 135°C |
| LHUV-0425-0600 | | | 625 | 1165 | 42 | |
| LHUV-0425-0650 | | | 675 | 1260 | 46 | |
| LHUV-0385-A025 | 385 +/ - 5 nm | | 275 | 523 | 18% | |
| LHUV-0385-A030 | | | 325 | 618 | 22% | |
| LHUV-0385-A035 | | | 375 | 713 | 25% | |
| LHUV-0385-A040 | | | 425 | 808 | 28% | |
| LHUV-0385-A045 | | | 475 | 903 | 32% | |
| LHVU-0385-A050 | | | 525 | 998 | 35% | |
| LHUV-0395-A050 | 395+/ - 5nm | | 525 | 998 | 35% | |
| LHUV-0395-A055 | | | 575 | 1093 | 38% | |
| LHUV-0395-A060 | | | 625 | 1188 | 42% | |
| LHUV-0395-A065 | | | 675 | 1283 | 45% | |
| LHUV-0405-A055 | 405 +/ - 5 nm | | 575 | 1093 | 38% | |
| LHUV-0405-A060 | | | 625 | 1188 | 42% | |
| LHUV-0405-A065 | | | 675 | 1283 | 45% | |
| LHUV-0405-A070 | | | 725 | 1378 | 48% | |
| LHUV-0415-A055 | 415+/ - 5 nm | | 575 | 1093 | 38% | |
| LHUV-0415-A060 | | | 625 | 1188 | 42% | |
| LHUV-0415-A065 | | | 675 | 1283 | 45% | |
| LHUV-0415-A070 | | | 725 | 1378 | 48% | |

NICHIA

## NICHIA HIGH POWER



| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| NVSL219BT-V1 | Warm-White | 2700K | 70 | Current: 700mA LED Junction Temperature: 25°C | 220 | 265 | 127 | Current: 1500mA LED Junction Temperature: 150°C |
| | | | 80 | | 200 | 240 | 115 | |
| | | | 9050 | | 140 | 179 | 86 | |
| | | | 9080 | | 140 | 172 | 82 | |
| | | 3000K | 70 | | 240 | 276 | 132 | |
| | | | 80 | | 220 | 252 | 121 | |
| | | | 9050 | | 160 | 194 | 93 | |
| | | | 9080 | | 160 | 188 | 90 | |
| | | 3500K | 70 | | 240 | 284 | 136 | |
| | | | 80 | | 220 | 262 | 126 | |
| | | | 9050 | | 160 | 205 | 98 | |
| | | | 9080 | | 160 | 200 | 96 | |
| | Neutral-White | 4000K | 70 | | 260 | 297 | 142 | |
| | | | 80 | | 220 | 267 | 128 | |
| | | | 9050 | | 180 | 214 | 103 | |
| | | | 9080 | | 180 | 204 | 98 | |
| | | 4500K | 70 | | 260 | 300 | 144 | |
| | | | 80 | | 220 | 270 | 129 | |
| | | | 9080 | | 180 | 209 | 100 | |
| NVSW219BT-V1 | | 5000K | 70 | | 260 | 302 | 145 | |
| | | | 80 | | 220 | 265 | 127 | |
| | | | 9050 | | 180 | 225 | 108 | |
| | | 5700K | 70 | | 260 | 292 | 140 | |
| | | | 9050 | | 180 | 220 | 105 | |
| | | 6500K | 70 | | 260 | 289 | 139 | |
| NVSL219BT-V1D1 | Neutral-White | 4000K | 70 | Current: 700mA LED Junction Temperature: 25°C | 230 | 266 | 128 | Current: 1500mA LED Junction Temperature: 135°C |
| NVSW219BT-V1D1 | Cool-White | 5000K | 70 | | 250 | 270 | 129 | |
| NVSL219CT | Warm-White | 2700K | 70 | Current: 700mA LED Junction Temperature: 25°C | 240 | 287 | 138 | Current: 1800mA LED Junction Temperature: 150°C |
| | | | 80 | | 220 | 254 | 122 | |
| | | | 9050 | | 180 | 206 | 99 | |
| | | 3000K | 70 | | 240 | 298 | 143 | |
| | | | 80 | | 240 | 268 | 128 | |
| | | | 9050 | | 180 | 219 | 105 | |
| | | 3500K | 70 | | 260 | 306 | 147 | |
| | | | 80 | | 240 | 280 | 134 | |
| | | | 9050 | | 200 | 236 | 113 | |
| | Neutral-White | 4000K | 70 | | 280 | 320 | 153 | |
| | | | 80 | | 260 | 282 | 135 | |
| | | | 9050 | | 200 | 116 | 243 | |
| | | 4500K | 70 | | 280 | 321 | 154 | |
| | | | 80 | | 260 | 285 | 137 | |
| NVSW219CT | Cool-White | 5000K | No Min | | 280 | 325 | 156 | |
| | | | 70 | | 280 | 322 | 154 | |
| | | | 80 | | 240 | 280 | 134 | |
| | | | 9050 | | 220 | 254 | 122 | |
| | | 5700K | 70 | | 260 | 311 | 149 | |
| | | | 9050 | | 220 | 254 | 122 | |
| | | 6500K | 70 | | 260 | 308 | 148 | |

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NICHIA

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| NVSW319AT | Warm-White | 2700K | 70 | Current: 1050mA LED Junction Temperature: 25°C | 360 | 425 | 134 | Current: 2000mA LED Junction Temperature: 150°C |
| | | | 80 | | 320 | 382 | 120 | |
| | | 3000K | 70 | | 360 | 440 | 139 | |
| | | | 80 | | 320 | 400 | 126 | |
| | | 3500K | 70 | | 400 | 450 | 142 | |
| | | | 80 | | 360 | 415 | 131 | |
| | Neutral-White | 4000K | 70 | | 400 | 474 | 149 | |
| | | | 80 | | 360 | 420 | 132 | |
| | | 4500K | 70 | | 400 | 477 | 150 | |
| | | | 80 | | 360 | 422 | 133 | |
| | Cool-White | 5000K | 70 | | 400 | 480 | 151 | |
| | | | 80 | | 360 | 415 | 131 | |
| | | 5700K | 70 | | 400 | 460 | 145 | |
| | | 6500K | 70 | | 400 | 457 | 144 | |
| NWSL229AT | Warm-White | 2700K | 80 | Current: 1400mA LED Junction Temperature: 25°C | 450 | 529 | 126 | Current: 2000mA LED Junction Temperature: 150°C |
| | | 3000K | 70 | | 500 | 592 | 141 | |
| | | 3000K | 80 | | 450 | 554 | 132 | |
| | | 3500K | 80 | | 500 | 564 | 134 | |
| | Neutral-White | 4000K | 70 | | 500 | 631 | 150 | |
| | | 4000K | 80 | | 500 | 574 | 137 | |
| NWSW229AT | Cool-White | 5000K | 70 | | 550 | 637 | 152 | |
| NF2W385ART-V2 | Warm-White | 2200K | 80 | Current: 200mA LED Junction Temperature: 25°C | 140 | 158 | 122 | Current: 250mA LED Junction Temperature: 130°C |
| | | 2500K | 80 | | 140 | 160 | 124 | |
| | | 2700K | 70 | | 170 | 192 | 149 | |
| | | | 80 | | 150 | 176 | 136 | |
| | | | 9050 | | 130 | 150 | 116 | |
| | | 3000K | 70 | | 180 | 199 | 154 | |
| | | | 80 | | 160 | 181 | 140 | |
| | | | 9050 | | 130 | 153 | 119 | |
| | | 3500K | 70 | | 180 | 204 | 158 | |
| | | | 80 | | 160 | 187 | 145 | |
| | | | 9050 | | 140 | 158 | 122 | |
| | Neutral-White | 4000K | 70 | | 180 | 207 | 160 | |
| | | | 80 | | 170 | 193 | 150 | |
| | | | 9050 | | 140 | 160 | 124 | |
| | | 4500K | 70 | | 180 | 206 | 160 | |
| | | | 80 | | 170 | 196 | 152 | |
| | | | 9050 | | 140 | 161 | 125 | |
| | Cool-White | 5000K | 70 | | 180 | 205 | 159 | |
| | | | 80 | | 170 | 193 | 150 | |
| | | | 9050 | | 150 | 168 | 130 | |
| | | 5700K | 70 | | 180 | 204 | 158 | |
| | | | 80 | | 170 | 192 | 149 | |
| | | 6500K | 70 | | 180 | 201 | 156 | |
| | | | 80 | | 170 | 191 | 148 | |

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LED LIGHT SOURCES

## NICHIA HIGH POWER COLOR

| Part Number | Color | Wavelength Range (nm) | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings | Note |
|---|---|---|---|---|---|---|---|---|
| NVSA219BT-V1 | Amber | 583-595nm | Current: 700mA LED Junction Temperature: 25°C | 200 | 240 | 115 | Current: 1500mA LED Junction Temperature: 150°C | Dominant wavelength is 590nm |
| NCSR219BT-V1 | Red | 615-630nm | Current: 350mA LED Junction Temperature: 25°C | 60 | 75 | 97 | Current: 700mA LED Junction Temperature: 120°C | Dominant wavelength is 620nm |
| NCSB219BT-V1 | Blue | 464-475nm | | 30 | 40 | 38 | Current: 1500mA LED Junction Temperature: 150°C | Dominant wavelength is 470nm |
| NCSC219BT-V1 | Royal-Blue | 445-455nm | | 600mW | 680mW | - | | Dominant wavelength is 450nm |
| NCSE219BT-V1 | Cyan | 495-500nm | | 80 | 108 | 93 | Current: 1200mA LED Junction Temperature: 150°C | Dominant wavelength is 505nm |
| NCSG219BT-V1 | Green | 520-535nm | | 130 | 139 | 117 | | Dominant wavelength is 525nm |

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NICHIA
Ever Researching for a Brighter World

## NICHIA SUPER HIGH POWER

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|
| NV4L144ART | Warm-White | 2700K | 70 | Current: 700mA LED Junction Temperature: 25°C | 11.9 | 1000 | 1170 | 140 | Current: 1500mA LED Junction Temperature: 150°C |
| | | | 80 | | | 900 | 1070 | 128 | |
| | | | 9050 | | | 800 | 930 | 112 | |
| | | 3000K | 70 | | | 1000 | 1170 | 140 | |
| | | | 80 | | | 900 | 1070 | 128 | |
| | | | 9050 | | | 800 | 930 | 112 | |
| | | 3500K | 70 | | | 1000 | 1180 | 142 | |
| | | | 80 | | | 900 | 1080 | 130 | |
| | | | 9050 | | | 800 | 940 | 113 | |
| | Neutral-White | 4000K | 70 | | | 1100 | 1270 | 152 | |
| | | | 80 | | | 1000 | 1160 | 139 | |
| | | | 9050 | | | 900 | 1030 | 124 | |
| | | 4500K | 70 | | | 1100 | 1280 | 154 | |
| | | | 80 | | | 1000 | 1170 | 140 | |
| | | | 9050 | | | 900 | 1040 | 125 | |
| NV4W144ART | Cool-White | 5000K | 70 | | | 1100 | 1290 | 155 | |
| | | | 80 | | | 1000 | 1180 | 142 | |
| | | | 9050 | | | 900 | 1050 | 126 | |
| | | 5700K | 70 | | | 1100 | 1280 | 154 | |
| | | | 80 | | | 1000 | 1170 | 140 | |
| | | | 9050 | | | 900 | 1040 | 125 | |
| | | 6500K | 70 | | | 1100 | 1230 | 148 | |
| | | | 80 | | | 1000 | 1120 | 134 | |
| NV4L144AMT | Warm-White | 2700K | 70 | Current: 1400mA LED Junction Temperature: 25°C | 5.97 | 1000 | 1170 | 140 | Current: 3000mA LED Junction Temperature: 150°C |
| | | | 80 | | | 900 | 1070 | 128 | |
| | | | 9050 | | | 800 | 930 | 111 | |
| | | 3000K | 70 | | | 1000 | 1170 | 140 | |
| | | | 80 | | | 900 | 1070 | 128 | |
| | | | 9050 | | | 800 | 930 | 111 | |
| | | 3500K | 70 | | | 1000 | 1180 | 141 | |
| | | | 80 | | | 900 | 1080 | 129 | |
| | | | 9050 | | | 800 | 940 | 112 | |
| | Neutral-White | 4000K | 70 | | | 1100 | 1270 | 152 | |
| | | | 80 | | | 1000 | 1160 | 139 | |
| | | | 9050 | | | 900 | 1030 | 123 | |
| | | 4500K | 70 | | | 1100 | 1280 | 153 | |
| | | | 80 | | | 1000 | 1170 | 140 | |
| | | | 9050 | | | 900 | 1040 | 124 | |
| NV4W144AMT | Cool-White | 5000K | 70 | | | 1100 | 1290 | 154 | |
| | | | 80 | | | 1000 | 1180 | 141 | |
| | | | 9050 | | | 900 | 1050 | 126 | |
| | | 5700K | 70 | | | 1100 | 1280 | 153 | |
| | | | 80 | | | 1000 | 1170 | 140 | |
| | | | 9050 | | | 900 | 1040 | 124 | |
| | | 6500K | 70 | | | 1100 | 1230 | 147 | |
| | | | 80 | | | 1000 | 1120 | 134 | |

Available in Europe and the Americas

## NICHIA SUPER HIGH POWER *(continued)*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|
| NFMW481ART | Warm-White | 2000K | 80 | Current: 200mA LED Junction Temperature: 25°C | 22.9 | 400 | 440 | 96 | Current: 250mA LED Junction Temperature: 135°C |
| | | 2200K | 80 | | | 450 | 500 | 109 | |
| | | 2500K | 80 | | | 480 | 530 | 116 | |
| | | 2700K | 70 | | | 580 | 640 | 140 | |
| | | | 80 | | | 510 | 570 | 124 | |
| | | | 9050 | | | 430 | 480 | 105 | |
| | | 3000K | 70 | | | 590 | 660 | 144 | |
| | | | 80 | | | 540 | 600 | 131 | |
| | | | 9050 | | | 460 | 510 | 111 | |
| | | 3500K | 70 | | | 610 | 680 | 148 | |
| | | | 80 | | | 550 | 610 | 133 | |
| | | | 9050 | | | 480 | 530 | 116 | |
| | Neutral-White | 4000K | 70 | | | 610 | 680 | 148 | |
| | | | 80 | | | 560 | 620 | 135 | |
| | | | 9050 | | | 490 | 540 | 118 | |
| | | 4500K | 70 | | | 610 | 680 | 148 | |
| | | | 80 | | | 560 | 620 | 135 | |
| | | | 9050 | | | 490 | 540 | 118 | |
| | Cool-White | 5000K | 70 | | | 610 | 680 | 148 | |
| | | | 80 | | | 570 | 630 | 138 | |
| | | | 9050 | | | 490 | 540 | 118 | |
| | | 5700K | 70 | | | 610 | 680 | 148 | |
| | | | 80 | | | 570 | 630 | 138 | |
| | | 6500K | 70 | | | 590 | 660 | 144 | |
| | | | 80 | | | 560 | 620 | 135 | |
| NFMW484ART | Warm-White | 2000K | 80 | Current: 200mA LED Junction Temperature: 25°C | 32.8 | 560 | 620 | 95 | Current: 250mA LED Junction Temperature: 135°C |
| | | 2200K | 80 | | | 630 | 700 | 107 | |
| | | 2500K | 80 | | | 670 | 740 | 113 | |
| | | 2700K | 70 | | | 800 | 890 | 136 | |
| | | | 80 | | | 720 | 800 | 122 | |
| | | | 9050 | | | 610 | 680 | 104 | |
| | | 3000K | 70 | | | 820 | 910 | 139 | |
| | | | 80 | | | 770 | 850 | 130 | |
| | | | 9050 | | | 660 | 730 | 111 | |
| | | 3500K | 70 | | | 850 | 940 | 143 | |
| | | | 80 | | | 770 | 860 | 131 | |
| | | | 9050 | | | 680 | 750 | 114 | |
| | Neutral-White | 4000K | 70 | | | 850 | 940 | 143 | |
| | | | 80 | | | 790 | 880 | 134 | |
| | | | 9050 | | | 680 | 760 | 116 | |
| | | 4500K | 70 | | | 850 | 940 | 143 | |
| | | | 80 | | | 790 | 880 | 134 | |
| | | | 9050 | | | 690 | 770 | 117 | |

Available in Europe and the Americas

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|
| NFMW484ART | Cool-White | 5000K | 70 | Current: 200mA LED Junction Temperature: 25°C | 32.8 | 850 | 940 | 143 | Current: 250mA LED Junction Temperature: 135°C |
| | | | 80 | | | 790 | 880 | 134 | |
| | | | 9050 | | | 690 | 770 | 117 | |
| | | 5700K | 70 | | | 850 | 940 | 143 | |
| | | | 80 | | | 790 | 880 | 134 | |
| | | 6500K | 70 | | | 820 | 910 | 139 | |
| | | | 80 | | | 770 | 860 | 131 | |
| NFMW486ART | Warm-White | 2000K | 80 | Current: 200mA LED Junction Temperature: 25°C | 39.3 | 670 | 740 | 94 | Current: 250mA LED Junction Temperature: 135°C |
| | | 2200K | 80 | | | 760 | 840 | 107 | |
| | | 2500K | 80 | | | 800 | 890 | 113 | |
| | | 2700K | 70 | | | 940 | 1040 | 132 | |
| | | | 80 | | | 860 | 960 | 122 | |
| | | | 9050 | | | 730 | 810 | 103 | |
| | | 3000K | 70 | | | 950 | 1060 | 135 | |
| | | | 80 | | | 910 | 1010 | 128 | |
| | | | 9050 | | | 770 | 860 | 109 | |
| | | 3500K | 70 | | | 980 | 1090 | 139 | |
| | | | 80 | | | 930 | 1030 | 131 | |
| | | | 9050 | | | 810 | 900 | 115 | |
| | Neutral-White | 4000K | 70 | | | 990 | 1100 | 140 | |
| | | | 80 | | | 940 | 1040 | 132 | |
| | | | 9050 | | | 820 | 910 | 116 | |
| | | 4500K | 70 | | | 990 | 1100 | 140 | |
| | | | 80 | | | 940 | 1040 | 132 | |
| | | | 9050 | | | 820 | 910 | 116 | |
| | Cool-White | 5000K | 70 | | | 990 | 1100 | 140 | |
| | | | 80 | | | 940 | 1040 | 132 | |
| | | | 9050 | | | 830 | 920 | 117 | |
| | | 5700K | 70 | | | 980 | 1090 | 139 | |
| | | | 80 | | | 930 | 1030 | 131 | |
| | | 6500K | 70 | | | 960 | 1070 | 136 | |
| | | | 80 | | | 920 | 1020 | 130 | |

Available in Europe and the Americas

## NICHIA SUPER HIGH POWER *(continued)*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|
| NFMW488ART | Warm-White | 2000K | 80 | Current: 200mA LED Junction Temperature: 25°C | 45.9 | 770 | 860 | 94 | Current: 250mA LED Junction Temperature: 135°C |
| | | 2200K | 80 | | | 870 | 970 | 106 | |
| | | 2500K | 80 | | | 930 | 1030 | 112 | |
| | | 2700K | 70 | | | 1070 | 1190 | 130 | |
| | | | 80 | | | 1000 | 1110 | 121 | |
| | | | 9050 | | | 850 | 940 | 102 | |
| | | 3000K | 70 | | | 1100 | 1220 | 133 | |
| | | | 80 | | | 1050 | 1170 | 127 | |
| | | | 9050 | | | 900 | 1000 | 109 | |
| | | 3500K | 70 | | | 1130 | 1250 | 136 | |
| | | | 80 | | | 1070 | 1190 | 130 | |
| | | | 9050 | | | 940 | 1040 | 113 | |
| | Neutral-White | 4000K | 70 | | | 1130 | 1260 | 137 | |
| | | | 80 | | | 1090 | 1210 | 132 | |
| | | | 9050 | | | 950 | 1050 | 114 | |
| | | 4500K | 70 | | | 1130 | 1260 | 137 | |
| | | | 80 | | | 1090 | 1210 | 132 | |
| | | | 9050 | | | 950 | 1060 | 115 | |
| | Cool-White | 5000K | 70 | | | 1130 | 1260 | 137 | |
| | | | 80 | | | 1090 | 1210 | 132 | |
| | | | 9050 | | | 950 | 1060 | 115 | |
| | | 5700K | 70 | | | 1130 | 1250 | 136 | |
| | | | 80 | | | 1080 | 1200 | 131 | |
| | | 6500K | 70 | | | 1100 | 1220 | 133 | |
| | | | 80 | | | 1060 | 1180 | 129 | |

Available in Europe and the Americas

## DMC

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| NCSLE17AT | Warm-White | 2700K | 70 | Current: 350mA LED Junction Temperature: 25°C | 130 | 148 | 128 | Current: 700mA LED Junction Temperature: 135°C |
| | | | 80 | | 110 | 130 | 118 | |
| | | | 9050 | | 90 | 108 | 95 | |
| | | | 9080 | | 90 | 96 | 91 | |
| | | 3000K | 70 | | 130 | 151 | 134 | |
| | | | 80 | | 120 | 133 | 122 | |
| | | | 9050 | | 90 | 111 | 98 | |
| | | | 9080 | | 90 | 100 | 95 | |
| | | 3500K | 70 | | 140 | 153 | 139 | |
| | | | 80 | | 120 | 139 | 126 | |
| | | | 9050 | | 100 | 116 | 102 | |
| | | | 9080 | | 100 | 104 | 99 | |
| | Neutral-White | 4000K | 70 | | 140 | 155 | 141 | |
| | | | 80 | | 130 | 143 | 129 | |
| | | | 9050 | | 110 | 120 | 106 | |
| | | | 9080 | | 100 | 108 | 103 | |
| | | 4500K | 70 | | 140 | 157 | 143 | |
| | | | 80 | | 130 | 146 | 130 | |
| | | | 9050 | | 110 | 123 | 109 | |
| | | | 9080 | | 110 | 111 | 106 | |
| NCSWE17AT | Cool-White | 5000K | 70 | | 140 | 158 | 145 | |
| | | | 80 | | 130 | 148 | 139 | |
| | | | 9050 | | 110 | 125 | 112 | |
| | | | 9080 | | 110 | 118 | 112 | |
| | | 5700K | 70 | | 140 | 158 | 142 | |
| | | | 80 | | 130 | 148 | 136 | |
| | | | 9050 | | 110 | 125 | 112 | |
| | | | 9080 | | 110 | 118 | 112 | |
| | | 6500K | 70 | | 140 | 158 | 135 | |
| | | | 80 | | 130 | 148 | 134 | |
| | | | 9050 | | 110 | 125 | 112 | |
| | | | 9080 | | 110 | 118 | 112 | |

Available in Europe and the Americas

NICHIA

## DMC *(continued)*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| NVSLE21AT | Warm-White | 2700K | 70 | Current: 700mA LED Junction Temperature: 25°C | 240 | 299 | 128 | Current: 1400mA LED Junction Temperature: 135°C |
| | | | 80 | | 220 | 261 | 118 | |
| | | | 9050 | | 180 | 214 | 95 | |
| | | | 9080 | | 160 | 196 | 93 | |
| | | 3000K | 70 | | 260 | 306 | 135 | |
| | | | 80 | | 220 | 268 | 122 | |
| | | | 9050 | | 180 | 220 | 98 | |
| | | | 9080 | | 180 | 204 | 97 | |
| | | 3500K | 70 | | 280 | 310 | 139 | |
| | | | 80 | | 240 | 279 | 126 | |
| | | | 9050 | | 180 | 229 | 102 | |
| | | | 9080 | | 180 | 211 | 100 | |
| | Neutral-White | 4000K | 70 | | 280 | 314 | 141 | |
| | | | 80 | | 260 | 288 | 129 | |
| | | | 9050 | | 200 | 237 | 106 | |
| | | | 9080 | | 200 | 219 | 104 | |
| | | 4500K | 70 | | 280 | 318 | 143 | |
| | | | 80 | | 260 | 294 | 130 | |
| | | | 9050 | | 200 | 243 | 109 | |
| | | | 9080 | | 200 | 225 | 107 | |
| NVSWE21AT | Cool-White | 5000K | 70 | | 280 | 320 | 145 | |
| | | | 80 | | 260 | 298 | 139 | |
| | | | 9050 | | 220 | 248 | 112 | |
| | | | 9080 | | 200 | 233 | 111 | |
| | | 5700K | 70 | | 280 | 320 | 142 | |
| | | | 80 | | 260 | 298 | 136 | |
| | | | 9050 | | 220 | 248 | 112 | |
| | | | 9080 | | 200 | 233 | 111 | |
| | | 6500K | 70 | | 280 | 320 | 136 | |
| | | | 80 | | 260 | 298 | 134 | |
| | | | 9050 | | 220 | 248 | 112 | |
| | | | 9080 | | 200 | 233 | 111 | |

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## SMD FAMILY

| Form Factor | Part Number | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| 5050 3W 9V | BXEP-27E-233-09A-00-00-0 | 2700K | 80 | Current: 320mA SMD Junction Temperature: 25°C | 9.3 | 389 | 123 | Current: 480mA SMD Junction Temperature: 125°C |
| | BXEP-30E-233-09A-00-00-0 | 3000K | | | | 401 | 135 | |
| | BXEP-35E-233-09A-00-00-0 | 3500K | | | | 412 | 138 | |
| | BXEP-40E-233-09A-00-00-0 | 4000K | | | | 430 | 144 | |
| | BXEP-45E-233-09A-00-00-0 | 4500K | | | | 435 | 146 | |
| | BXEP-50E-233-09A-00-00-0 | 5000K | | | | 435 | 146 | |
| | BXEP-57E-233-09A-00-00-0 | 5700K | | | | 435 | 146 | |
| | BXEP-65E-233-09A-00-00-0 | 6500K | | | | 432 | 145 | |
| 5050 3W 18V | BXEP-27E-163-18A-00-00-0 | 2700K | 80 | Current: 160mA SMD Junction Temperature: 25°C | 18.6 | 389 | 123 | Current: 240mA SMD Junction Temperature: 125°C |
| | BXEP-30E-163-18A-00-00-0 | 3000K | | | | 401 | 135 | |
| | BXEP-35E-163-18A-00-00-0 | 3500K | | | | 412 | 138 | |
| | BXEP-40E-163-18A-00-00-0 | 4000K | | | | 430 | 144 | |
| | BXEP-45E-163-18A-00-00-0 | 4500K | | | | 435 | 146 | |
| | BXEP-50E-163-18A-00-00-0 | 5000K | | | | 435 | 146 | |
| | BXEP-57E-163-18A-00-00-0 | 5700K | | | | 435 | 146 | |
| | BXEP-65E-163-18A-00-00-0 | 6500K | | | | 432 | 145 | |
| 5050 3W 9V | BXEP-27E-435-09A-00-00-0 | 2700K | 80 | Current: 500mA SMD Junction Temperature: 25°C | 9.3 | 579 | 125 | Current: 800mA SMD Junction Temperature: 125°C |
| | BXEP-30E-435-09A-00-00-0 | 3000K | | | | 600 | 129 | |
| | BXEP-35E-435-09A-00-00-0 | 3500K | | | | 614 | 132 | |
| | BXEP-40E-435-09A-00-00-0 | 4000K | | | | 626 | 135 | |
| | BXEP-45E-435-09A-00-00-0 | 4500K | | | | 629 | 135 | |
| | BXEP-50E-435-09A-00-00-0 | 5000K | | | | 629 | 135 | |
| | BXEP-57E-435-09A-00-00-0 | 5700K | | | | 629 | 135 | |
| | BXEP-65E-435-09A-00-00-0 | 6500K | | | | 624 | 134 | |
| 5050 5W 36V | BXEP-27E-1C5-36A-00-00-0 | 2700K | 80 | Current: 125mA SMD Junction Temperature: 25°C | 37.2 | 579 | 125 | Current: 200mA SMD Junction Temperature: 125°C |
| | BXEP-30E-1C5-36A-00-00-0 | 3000K | | | | 600 | 129 | |
| | BXEP-35E-1C5-36A-00-00-0 | 3500K | | | | 614 | 132 | |
| | BXEP-40E-1C5-36A-00-00-0 | 4000K | | | | 626 | 135 | |
| | BXEP-45E-1C5-36A-00-00-0 | 4500K | | | | 629 | 135 | |
| | BXEP-50E-1C5-36A-00-00-0 | 5000K | | | | 629 | 135 | |
| | BXEP-57E-1C5-36A-00-00-0 | 5700K | | | | 629 | 135 | |
| | BXEP-65E-1C5-36A-00-00-0 | 6500K | | | | 624 | 134 | |


LED LIGHT SOURCES

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## SMD FAMILY *(continued)*

| Form Factor | Part Number | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| 5050 5W 9V Gen2 | BXEP-27C-435-09B-00-00-0 | 2700K | 70 | Current: 500mA SMD Junction Temperature: 25°C | 8.9 | 694 | 156 | Current: 960mA SMD Junction Temperature: 125°C |
| | BXEP-27E-435-09B-00-00-0 | | 80 | | | 631 | 142 | |
| | BXEP-27G-435-09B-00-00-0 | | 90 | | | 543 | 122 | |
| | BXEP-30C-435-09B-00-00-0 | 3000K | 70 | | | 712 | 160 | |
| | BXEP-30E-435-09B-00-00-0 | | 80 | | | 647 | 145 | |
| | BXEP-30G-435-09B-00-00-0 | | 90 | | | 556 | 125 | |
| | BXEP-35C-435-09B-00-00-0 | 3500K | 70 | | | 729 | 164 | |
| | BXEP-35E-435-09B-00-00-0 | | 80 | | | 663 | 149 | |
| | BXEP-40C-435-09B-00-00-0 | 4000K | 70 | | | 747 | 168 | |
| | BXEP-40E-435-09B-00-00-0 | | 80 | | | 679 | 153 | |
| | BXEP-45C-435-09B-00-00-0 | 4500K | 70 | | | 747 | 168 | |
| | BXEP-45E-435-09B-00-00-0 | | 80 | | | 679 | 153 | |
| | BXEP-50C-435-09B-00-00-0 | 5000K | 70 | | | 747 | 168 | |
| | BXEP-50E-435-09B-00-00-0 | | 80 | | | 679 | 153 | |
| | BXEP-57C-435-09B-00-00-0 | 5700K | 70 | | | 744 | 167 | |
| | BXEP-57E-435-09B-00-00-0 | 5700K | 80 | | | 676 | 152 | |
| | BXEP-65C-435-09B-00-00-0 | 6500K | 70 | | | 744 | 167 | |
| | BXEP-65E-435-09B-00-00-0 | 6500K | 80 | | | 676 | 152 | |
| 5050 5W 36V Gen2 | BXEP-27C-1C5-36B-00-00-0 | 2700K | 70 | Current: 125mA SMD Junction Temperature: 25°C | 35.5 | 694 | 156 | Current: 240mA SMD Junction Temperature: 125°C |
| | BXEP-27E-1C5-36B-00-00-0 | | 80 | | | 631 | 142 | |
| | BXEP-27G-1C5-36B-00-00-0 | | 90 | | | 543 | 122 | |
| | BXEP-30C-1C5-36B-00-00-0 | 3000K | 70 | | | 712 | 160 | |
| | BXEP-30E-1C5-36B-00-00-0 | | 80 | | | 647 | 146 | |
| | BXEP-30G-1C5-36B-00-00-0 | | 90 | | | 556 | 125 | |
| | BXEP-35C-1C5-36B-00-00-0 | 3500K | 70 | | | 729 | 164 | |
| | BXEP-35E-1C5-36B-00-00-0 | | 80 | | | 663 | 149 | |
| | BXEP-40C-1C5-36B-00-00-0 | 4000K | 70 | | | 747 | 168 | |
| | BXEP-40E-1C5-36B-00-00-0 | | 80 | | | 679 | 153 | |
| | BXEP-45C-1C5-36B-00-00-0 | 4500K | 70 | | | 747 | 168 | |
| | BXEP-45E-1C5-36B-00-00-0 | | 80 | | | 679 | 153 | |
| | BXEP-50C-1C5-36B-00-00-0 | 5000K | 70 | | | 747 | 168 | |
| | BXEP-50E-1C5-36B-00-00-0 | | 80 | | | 679 | 153 | |
| | BXEP-57C-1C5-36B-00-00-0 | 5700K | 70 | | | 744 | 168 | |
| | BXEP-57E-1C5-36B-00-00-0 | 5700K | 80 | | | 676 | 152 | |
| | BXEP-65C-1C5-36B-00-00-0 | 6500K | 70 | | | 744 | 168 | |
| | BXEP-65E-1C5-36B-00-00-0 | 6500K | 80 | | | 676 | 152 | |



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## SMD FAMILY *(continued)*

| Form Factor | Part Number | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| 5050 1W 24V | BXEP-27C-181-24A-00-00-0 | 2700K | 70 | Current: 45mA SMD Junction Temperature: 25°C | 22 | 183 | 185 | Current: 240mA SMD Junction Temperature: 125°C |
| | BXEP-27E-181-24A-00-00-0 | | 80 | | | 166 | 168 | |
| | BXEP-27G-181-24A-00-00-0 | | 90 | | | 143 | 144 | |
| | BXEP-30C-181-24A-00-00-0 | 3000K | 70 | | | 187 | 189 | |
| | BXEP-30E-181-24A-00-00-0 | | 80 | | | 170 | 172 | |
| | BXEP-30G-181-24A-00-00-0 | | 90 | | | 146 | 147 | |
| | BXEP-35C-181-24A-00-00-0 | 3500K | 70 | | | 193 | 195 | |
| | BXEP-35E-181-24A-00-00-0 | | 80 | | | 175 | 177 | |
| | BXEP-40C-181-24A-00-00-0 | 4000K | 70 | | | 197 | 199 | |
| | BXEP-40E-181-24A-00-00-0 | | 80 | | | 179 | 181 | |
| | BXEP-45C-181-24A-00-00-0 | 4500K | 70 | | | 197 | 199 | |
| | BXEP-45E-181-24A-00-00-0 | | 80 | | | 179 | 181 | |
| | BXEP-50C-181-24A-00-00-0 | 5000K | 70 | | | 197 | 199 | |
| | BXEP-50E-181-24A-00-00-0 | | 80 | | | 179 | 181 | |
| | BXEP-57C-181-24A-00-00-0 | 5700K | 70 | | | 196 | 198 | |
| | BXEP-57E-181-24A-00-00-0 | 5700K | 80 | | | 178 | 180 | |
| | BXEP-65C-181-24A-00-00-0 | 6500K | 70 | | | 196 | 198 | |
| | BXEP-65E-181-24A-00-00-0 | 6500K | 80 | | | 178 | 180 | |

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## SMD FAMILY

| Form Factor | Part Number | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| 3030 1W 6V | BXEM-27C0000-0-000 | 2700K | 70 | Current: 150mA SMD Junction Temperature: 25°C | 6.25 | 123 | 131 | Current: 240mA SMD Junction Temperature: 125°C |
| | BXEM-27E0000-0-000 | | 80 | | | 117 | 125 | |
| | BXEM-27G0000-0-000 | | 90 | | | 98 | 105 | |
| | BXEM-30C0000-0-000 | 3000K | 70 | | | 126 | 134 | |
| | BXEM-30E0000-0-000 | | 80 | | | 123 | 131 | |
| | BXEM-30G0000-0-000 | | 90 | | | 103 | 110 | |
| | BXEM-35C0000-0-000 | 3500K | 70 | | | 129 | 138 | |
| | BXEM-35E0000-0-000 | | 80 | | | 125 | 133 | |
| | BXEM-35G0000-0-000 | | 90 | | | 105 | 112 | |
| | BXEM-40C0000-0-000 | 4000K | 70 | | | 133 | 142 | |
| | BXEM-40E0000-0-000 | | 80 | | | 127 | 135 | |
| | BXEM-40G0000-0-000 | | 90 | | | 108 | 115 | |
| | BXEM-50C0000-0-000 | 5000K | 70 | | | 133 | 142 | |
| | BXEM-50E0000-0-000 | | 80 | | | 127 | 135 | |
| | BXEM-50G0000-0-000 | | 90 | | | 108 | 115 | |
| | BXEM-57C0000-0-000 | 5700K | 70 | | | 133 | 142 | |
| | BXEM-57E0000-0-000 | | 80 | | | 127 | 135 | |
| | BXEM-57G0000-0-000 | | 90 | | | 108 | 115 | |
| | BXEM-65C0000-0-000 | 6500K | 70 | | | 133 | 142 | |
| | BXEM-65E0000-0-000 | | 80 | | | 126 | 134 | |
| | BXEM-65G0000-0-000 | | 90 | | | 108 | 115 | |
| 3030 1W 3V | BXEM-27C-21H-3A-00-0-0 | 2700K | 70 | Current: 300mA SMD Junction Temperature: 25°C | 3.2 | 123 | 128 | Current: 400mA SMD Junction Temperature: 125°C |
| | BXEM-27E-21H-3A-00-0-0 | | 80 | | | 117 | 122 | |
| | BXEM-27G-21H-3A-00-0-0 | | 90 | | | 98 | 102 | |
| | BXEM-30C-21H-3A-00-0-0 | 3000K | 70 | | | 126 | 131 | |
| | BXEM-30E-21H-3A-00-0-0 | | 80 | | | 123 | 128 | |
| | BXEM-30G-21H-3A-00-0-0 | | 90 | | | 103 | 107 | |
| | BXEM-35C-21H-3A-00-0-0 | 3500K | 70 | | | 129 | 134 | |
| | BXEM-35E-21H-3A-00-0-0 | | 80 | | | 125 | 130 | |
| | BXEM-35G-21H-3A-00-0-0 | | 90 | | | 105 | 109 | |
| | BXEM-40C-21H-3A-00-0-0 | 4000K | 70 | | | 133 | 139 | |
| | BXEM-40E-21H-3A-00-0-0 | | 80 | | | 127 | 132 | |
| | BXEM-40G-21H-3A-00-0-0 | | 90 | | | 108 | 113 | |
| | BXEM-50C-21H-3A-00-0-0 | 5000K | 70 | | | 133 | 139 | |
| | BXEM-50E-21H-3A-00-0-0 | | 80 | | | 127 | 132 | |
| | BXEM-50G-21H-3A-00-0-0 | | 90 | | | 108 | 113 | |
| | BXEM-57C-21H-3A-00-0-0 | 5700K | 70 | | | 133 | 139 | |
| | BXEM-57E-21H-3A-00-0-0 | | 80 | | | 127 | 132 | |
| | BXEM-57G-21H-3A-00-0-0 | | 90 | | | 108 | 113 | |
| | BXEM-65C-21H-3A-00-0-0 | 6500K | 70 | | | 133 | 139 | |
| | BXEM-65E-21H-3A-00-0-0 | | 80 | | | 126 | 131 | |
| | BXEM-65G-21H-3A-00-0-0 | | 90 | | | 108 | 113 | |





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## SMD FAMILY *(continued)*

| Form Factor | Part Number | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| 2835 0.2W 3V | BXEN-27E-11L-3A-00-0-0 | 2700K | 80 | Current: 60mA SMD Junction Temperature: 25°C | 3.1 | 24 | 129 | Current: 80mA SMD Junction Temperature: 125°C |
| | BXEN-30E-11L-3A-00-0-0 | 3000K | | | | 25 | 134 | |
| | BXEN-35E-11L-3A-00-0-0 | 3500K | | | | 25 | 134 | |
| | BXEN-40E-11L-3A-00-0-0 | 4000K | | | | 26 | 140 | |
| | BXEN-50E-11L-3A-00-0-0 | 5000K | | | | 26 | 140 | |
| | BXEN-57E-11L-3A-00-0-0 | 5700K | | | | 26 | 140 | |
| | BXEN-65E-11L-3A-00-0-0 | 6500K | | | | 25 | 134 | |
| 2835 0.2W 3V Gen2 | BXEN-27E-21L-3B-00-0-0 | 2700K | 80 | Current: 60mA SMD Junction Temperature: 25°C | 2.75 | 27 | 165 | Current: 80mA SMD Junction Temperature: 125°C |
| | BXEN-30E-21L-3B-00-0-0 | 3000K | | | | 29 | 178 | |
| | BXEN-35E-21L-3B-00-0-0 | 3500K | | | | 29 | 178 | |
| | BXEN-40E-21L-3B-00-0-0 | 4000K | | | | 31 | 185 | |
| | BXEN-50E-21L-3B-00-0-0 | 5000K | | | | 30 | 182 | |
| | BXEN-57E-21L-3B-00-0-0 | 5700K | | | | 30 | 182 | |
| | BXEN-65E-21L-3B-00-0-0 | 6500K | | | | 30 | 182 | |
| 2835 0.2W 3V Gen2 | BXEN-27E-11L-3C-00-0-0 | 2700K | 80 | Current: 60mA SMD Junction Temperature: 25°C | 2.75 | 27 | 165 | Current: 80mA SMD Junction Temperature: 125°C |
| | BXEN-30E-11L-3C-00-0-0 | 3000K | | | | 29 | 178 | |
| | BXEN-35E-11L-3C-00-0-0 | 3500K | | | | 29 | 178 | |
| | BXEN-40E-11L-3C-00-0-0 | 4000K | | | | 31 | 185 | |
| | BXEN-50E-11L-3C-00-0-0 | 5000K | | | | 30 | 182 | |
| | BXEN-57E-11L-3C-00-0-0 | 5700K | | | | 30 | 182 | |
| | BXEN-65E-11L-3C-00-0-0 | 6500K | | | | 30 | 182 | |
| 2835 0.5W 3V | BXEN-27E-11M-3A-00-0-0 | 2700K | 80 | Current: 150mA SMD Junction Temperature: 25°C | 3.1 | 57 | 123 | Current: 180mA SMD Junction Temperature: 125°C |
| | BXEN-30E-11M-3A-00-0-0 | 3000K | | | | 60 | 129 | |
| | BXEN-35E-11M-3A-00-0-0 | 3500K | | | | 60 | 129 | |
| | BXEN-40E-11M-3A-00-0-0 | 4000K | | | | 64 | 138 | |
| | BXEN-50E-11M-3A-00-0-0 | 5000K | | | | 64 | 138 | |
| | BXEN-57E-11M-3A-00-0-0 | 5700K | | | | 64 | 138 | |
| | BXEN-65E-11M-3A-00-0-0 | 6500K | | | | 63 | 135 | |

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## SMD FAMILY *(continued)*

| Form Factor | Part Number | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| 2835 1W 9V Gen2 | BXEN-27E-13H-9B-00-0-0 | 2700K | 80 | Current: 100mA SMD Junction Temperature: 25°C | 9.5 | 115 | 121 | Current: 120mA SMD Junction Temperature: 125°C |
| | BXEN-27G-13H-9B-00-0-0 | | 90 | | | 100 | 105 | |
| | BXEN-30E-13H-9B-00-0-0 | 3000K | 80 | | | 120 | 126 | |
| | BXEN-30G-13H-9B-00-0-0 | | 90 | | | 100 | 105 | |
| | BXEN-35E-13H-9B-00-0-0 | 3500K | 80 | | | 123 | 129 | |
| | BXEN-35G-13H-9B-00-0-0 | | 90 | | | 102 | 107 | |
| | BXEN-40E-13H-9B-00-0-0 | 4000K | 80 | | | 127 | 134 | |
| | BXEN-40G-13H-9B-00-0-0 | | 90 | | | 105 | 111 | |
| | BXEN-50E-13H-9B-00-0-0 | 5000K | 80 | | | 127 | 134 | |
| | BXEN-50G-13H-9B-00-0-0 | | 90 | | | 105 | 111 | |
| | BXEN-57E-13H-9B-00-0-0 | 5700K | 80 | | | 127 | 134 | |
| | BXEN-57G-13H-9B-00-0-0 | | 90 | | | 105 | 111 | |
| | BXEN-65E-13H-9B-00-0-0 | 6500K | 80 | | | 125 | 132 | |
| 2835 1W 12V | BXEN-27E-14H-12A-00-0-0 | 2700K | 80 | Current: 75mA SMD Junction Temperature: 25°C | 12.2 | 115 | 126 | Current: 90mA SMD Junction Temperature: 125°C |
| | BXEN-30E-14H-12A-00-0-0 | 3000K | | | | 120 | 131 | |
| | BXEN-35E-14H-12A-00-0-0 | 3500K | | | | 120 | 131 | |
| | BXEN-40E-14H-12A-00-0-0 | 4000K | | | | 125 | 137 | |
| | BXEN-50E-14H-12A-00-0-0 | 5000K | | | | 125 | 137 | |
| | BXEN-57E-14H-12A-00-0-0 | 5700K | | | | 125 | 137 | |
| | BXEN-65E-14H-12A-00-0-0 | 6500K | | | | 125 | 137 | |





LG Innotek

## LG INNOTEK 5630R, FLUX CLASS: D

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| LEMWS59R80MZ3DA0 | Warm-White | 2700K | 80 | Current: 65mA LED Junction Temperature: 25°C | 30.2 | 31 | 170 | Current: 200mA LED Junction Temperature: 110°C |
| LEMWS59R80LZ3DA0 | | 3000K | | | 31.8 | 32.6 | 179 | |
| LEMWS59R80KZ3DA0 | | 3500K | | | 32.2 | 33 | 181 | |
| LEMWS59R80JZ3DA0 | Neutral-White | 4000K | | | 32.8 | 33.6 | 185 | |
| LEMWS59R80HZ2DA0 | Cool-White | 5000K | | | 34.1 | 34.9 | 192 | |
| LEMWS59R80GZ2DA0 | | 5700K | | | 33.8 | 34.6 | 190 | |
| LEMWS59R80FZ2DA0 | | 6500K | | | 33.5 | 34.3 | 188 | |

## LG INNOTEK 5630R, FLUX CLASS: A

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| LEMWS59R90MZ3AA0 | Warm-White | 2700K | 90 | Current: 65mA LED Junction Temperature: 25°C | 22 | 23.5 | 127 | Current: 200mA LED Junction Temperature: 110°C |
| LEMWS59R90LZ3AA0 | | 3000K | | | 23.2 | 24.9 | 134 | |
| LEMWS59R90KZ3AA0 | | 3500K | | | 23.5 | 25.1 | 135 | |
| LEMWS59R90JZ3AA0 | Neutral-White | 4000K | | | 24.1 | 25.5 | 138 | |
| LEMWS59R90HZ2BAC | Cool-White | 5000K | | | 26.2 | 29.5 | 159 | |

## LG INNOTEK 5630R, FLUX CLASS: E (NEW)

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| LEMWS59R80MZ3EA0 | Warm-White | 2700K | 80 | Current: 65mA LED Junction Temperature: 25°C | 31.5 | 32.3 | 180 | Current: 200mA LED Junction Temperature: 110°C |
| LEMWS59R80LZ3EA0 | | 3000K | | | 33.1 | 33.9 | 189 | |
| LEMWS59R80KZ3EA0 | | 3500K | | | 33.5 | 34.3 | 191 | |
| LEMWS59R80JZ3EA0 | Neutral-White | 4000K | | | 34.1 | 34.9 | 195 | |
| LEMWS59R80HZ2EA0 | Cool-White | 5000K | | | 35.3 | 36.2 | 202 | |
| LEMWS59R80GZ2EA0 | | 5700K | | | 35 | 35.9 | 200 | |
| LEMWS59R80FZ2EA0 | | 6500K | | | 34.7 | 35.6 | 198 | |

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## LG INNOTEK 5630R, FLUX CLASS: F (NEW)

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| LEMWS59R80MZ3FA0 | Warm-White | 2700K | 80 | Current: 65mA LED Junction Temperature: 25°C | 33.1 | 33.6 | 187 | Current: 200mA LED Junction Temperature: 110°C |
| LEMWS59R80LZ3FA0 | | 3000K | | | 34.7 | 35.3 | 197 | |
| LEMWS59R80KZ3FA0 | | 3500K | | | 35.1 | 35.7 | 199 | |
| LEMWS59R80JZ3FA0 | Neutral-White | 4000K | | | 35.8 | 36.3 | 202 | |
| LEMWS59R80HZ2FA0 | Cool-White | 5000K | | | 37.1 | 37.7 | 210 | |
| LEMWS59R80GZ2FA0 | | 5700K | | | 36.8 | 37.4 | 208 | |
| LEMWS59R80FZ2FA0 | | 6500K | | | 36.5 | 37.1 | 207 | |

## LG INNOTEK 5630R, FLUX CLASS: B (NEW)

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| LEMWS59R90MZ3AA0 | Warm-White | 2700K | 90 | Current: 65mA LED Junction Temperature: 25°C | 24 | 26.2 | 144 | Current: 200mA LED Junction Temperature: 110°C |
| LEMWS59R90LZ3AA0 | | 3000K | | | 24.7 | 26 | 143 | |
| LEMWS59R90KZ3AA0 | | 3500K | | | 25.2 | 27.4 | 151 | |
| LEMWS59R90JZ3AA0 | Neutral-White | 4000K | | | 25.8 | 27.2 | 149 | |

## LG INNOTEK 3030N, FLUX CLASS: A

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Vf (V) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|
| LEMWS36X80LZ3AA0 | Warm-White | 3000K | 70 | Current: 150mA LED Junction Temperature: 25°C | 130 | 135 | 6.2 | 145 | Current: 200mA LED Junction Temperature: 125°C |
| LEMWS36X80JZ3AA0 | Neutral-White | 4000K | | | 135 | 140 | | 151 | |
| LEMWS36X80HZ2AA0 | Cool-White | 5000K | | | 135 | 140 | | 151 | |
| LEMWS36X80MZ3AA0 | Warm-White | 2700K | 90 | | 100 | 105 | | 113 | |
| LEMWS36X80LZ3AA0 | | 3000K | | | 100 | 105 | | 113 | |
| LEMWS36X80JZ3AA0 | Neutral-White | 4000K | | | 105 | 110 | | 118 | |
| LEMWS36X80HZ2AA0 | Cool-White | 5000K | | | 105 | 110 | | 118 | |





## LG INNOTEK 3030N, FLUX CLASS B (NEW)

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Vf (V) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|
| LEMWS36X80MZ3BA0 | Warm-White | 2700K | 80 | Current: 150mA LED Junction Temperature: 25°C | 122 | 128 | 6.2 | 138 | Current: 200mA LED Junction Temperature: 125°C |
| LEMWS36X80LZ3BA0 | | 3000K | | | 128 | 133 | | 143 | |
| LEMWS36X80KZ3BA0 | | 3500K | | | 133 | 138 | | 148 | |
| LEMWS36X80JZ3BA0 | Neutral-White | 4000K | | | 132 | 138 | | 148 | |
| LEMWS36X80HZ2BA0 | | 5000K | | | 133 | 139 | | 149 | |
| LEMWS36X80GZ2BA0 | Cool-White | 5700K | | | 133 | 139 | | 149 | |
| LEMWS36X80FZ2BA0 | | 6500K | | | 133 | 139 | | 149 | |

## LG INNOTEK 3528 A101 (0.2W)

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Vf (V) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|
| LEMWS28Q80MSZ2A0 | Warm-White | 2700K | 80 | Current: 60mA LED Junction Temperature: 25°C | 20.5 | 22.8 | 3.05 | 125 | Current: 90mA LED Junction Temperature: 110°C |
| LEMWS28Q80LSZ2A0 | | 3000K | | | 21.4 | 23.8 | | 130 | |
| LEMWS28Q80KSZ2A0 | | 3500K | | | 22.4 | 25.2 | | 138 | |
| LEMWS28Q80JSZ2A0 | Neutral-White | 4000K | | | 23.3 | 25.2 | | 138 | |
| LEMWS28Q80HSZ2A0 | Cool-White | 5000K | | | 23.3 | 25.1 | | 137 | |
| LEMWS28Q80GSZ2A0 | | 5700K | | | 23.3 | 25.5 | | 139 | |
| LEMWS28Q80FSZ2A0 | | 6500K | | | 23.3 | 25.1 | | 137 | |

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## LG INNOTEK 3528 B102 (0.5W) (NEW)

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Vf (V) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|
| LEMWS28U80MSZ◊AN | Warm-White | 2700K | 80 | Current: 150mA LED Junction Temperature: 25°C | 54 | 61.5 | 3.1 | 132 | Current: 180mA LED Junction Temperature: 110°C |
| LEMWS28U80LSZ◊AN | | 3000K | | | 55.5 | 62.5 | | 134 | |
| LEMWS28U80LSZ◊AN | | 3500K | | | 57.5 | 65 | | 140 | |
| LEMWS28U80LSZ◊AN | Neutral-White | 3000K | | | 60 | 67.5 | | 145 | |
| LEMWS28U80LSZ◊AN | Cool-White | 5000K | | | 60 | 67.5 | | 145 | |
| LEMWS28U80LSZ◊AN | | 5700K | | | 60 | 67.5 | | 145 | |
| LEMWS28U80LSZ◊AN | | 6500K | | | 60 | 67.5 | | 145 | |
| LEMWS28U90MSZ◊AN | Warm-White | 2700K | 90 | Current: 150mA LED Junction Temperature: 25°C | 45 | 52.5 | 3.1 | 113 | |
| LEMWS28U90LSZ◊AN | | 3000K | | | 46 | 53.5 | | 115 | |
| LEMWS28U90LSZ◊AN | | 3500K | | | 48 | 55.5 | | 119 | |
| LEMWS28U90LSZ◊AN | Neutral-White | 3000K | | | 50 | 57.5 | | 124 | |
| LEMWS28U90LSZ◊AN | Cool-White | 5000K | | | 50 | 57.5 | | 124 | |
| LEMWS28U90LSZ◊AN | | 5700K | | | 50 | 57.5 | | 124 | |
| LEMWS28U90LSZ◊AN | | 6500K | | | 50 | 57.5 | | 124 | |

## LG INNOTEK 3528 B103 (0.5W) (NEW)

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Vf (V) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|
| LEMWS38U80MZ3DA0 | Warm-White | 2700K | 80 | Current: 150mA LED Junction Temperature: 25°C | 56 | 61 | 3.15 | 129 | Current: 200mA LED Junction Temperature: 125°C |
| LEMWS38U80LZ3DA0 | | 3000K | | | 61 | 66 | | 140 | |
| LEMWS38U80KZ3DA0 | | 3500K | | | 62 | 67 | | 142 | |
| LEMWS38U80JZ3DA0 | Neutral-White | 3000K | | | 63.5 | 68.5 | | 145 | |
| LEMWS38U80HZ3DA0 | Cool-White | 5000K | | | 65 | 70 | | 148 | |
| LEMWS38U80GZ3DA0 | | 5700K | | | 65 | 70 | | 148 | |
| LEMWS38U80FZ3DA0 | | 6500K | | | 64 | 69.1 | | 146 | |

## LG INNOTEK 3528 C201 (0.9W) (NEW)

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Vf (V) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|
| LEMWS38X80MZ31A0 | Warm-White | 2700K | 80 | Current: 150mA LED Junction Temperature: 25°C | 114 | 123 | 6.4 | 128 | Current: 200mA LED Junction Temperature: 125°C |
| LEMWS38X80LZ31A0 | | 3000K | | | 114 | 123 | | 128 | |
| LEMWS38X80JZ31A0 | Neutral-White | 4000K | | | 125 | 134 | | 140 | |
| LEMWS38X80HZ21A0 | Cool-White | 5000K | | | 124 | 134 | | 140 | |
| LEMWS38X80FZ21A0 | | 6500K | | | 124 | 132 | | 138 | |





## LG INNOTEK 3528 C301 (0.9W) (NEW)

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Vf (V) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|
| LEMWS38X80MSZ◊AN | Warm-White | 2700K | 80 | Current: 100mA LED Junction Temperature: 25°C | 103 | 113 | 9.1 | 124 | Current: 120mA LED Junction Temperature: 125°C |
| LEMWS38X80LSZ◊AN | | 3000K | | | 106 | 116 | | 127 | |
| LEMWS38X80KSZ◊AN | | 3500K | | | 109 | 119 | | 131 | |
| LEMWS38X80JSZ◊AN | Neutral-White | 3000K | | | 115 | 125 | | 137 | |
| LEMWS38X80HSZ◊AN | Cool-White | 5000K | | | 115 | 125 | | 137 | |
| LEMWS38X80GSZ◊AN | | 5700K | | | 115 | 125 | | 137 | |
| LEMWS38X80FLSZ◊AN | | 6500K | | | 115 | 125 | | 137 | |
| LEMWS38X90MSZ◊AN | Warm-White | 2700K | 90 | Current: 100mA LED Junction Temperature: 25°C | 90 | 97.5 | 9.1 | 107 | |
| LEMWS38X90LSZ◊AN | | 3000K | | | 92 | 99.5 | | 109 | |
| LEMWS38X90KSZ◊AN | | 3500K | | | 95 | 103.5 | | 114 | |
| LEMWS38X90JSZ◊AN | Neutral-White | 3000K | | | 95 | 105 | | 115 | |
| LEMWS38X90HSZ◊AN | Cool-White | 5000K | | | 95 | 105 | | 115 | |
| LEMWS38X90GSZ◊AN | | 5700K | | | 95 | 105 | | 115 | |
| LEMWS38X90FLSZ◊AN | | 6500K | | | 95 | 105 | | 115 | |

## LUXEON 3020

| Part Number | Color | Nominal CCT | Minimum CRI | Test Conditions | Min Flux (lumens) | Typ Flux (lumens) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| L130-2280002011001 | Warm-White | 2200K | 80 | Current: 120mA LED Junction Temperature: 25°C | 40 | 46 | 126 | Current: 240mA LED Junction Temperature: 125°C |
| L130-2580002011001 | | 2500K | 80 | | 44 | 50 | 137 | |
| L130-2780002011001 | | 2700K | 80 | | 42 | 52 | 142 | |
| L130-2790002011001 | | | 90 | | 36 | 41 | 112 | |
| L130-3080002011001 | | 3000K | 80 | | 44 | 53 | 145 | |
| L130-3090002011001 | | | 90 | | 37 | 42 | 115 | |
| L130-3580002011001 | | 3500K | 80 | | 45 | 55 | 150 | |
| L130-3590002011001 | | | 90 | | 38 | 43 | 117 | |
| L130-4070002011001 | Neutral-White | 4000K | 70 | | 51 | 56 | 153 | |
| L130-4080002011001 | | | 80 | | 46 | 57 | 156 | |
| L130-4090002011001 | | | 90 | | 40 | 45 | 123 | |
| L130-5070002011001 | Cool-White | 5000K | 70 | | 51 | 56 | 153 | |
| L130-5080002011001 | | | 80 | | 46 | 58 | 158 | |
| L130-5770002011001 | | 5700K | 70 | | 51 | 56 | 153 | |
| L130-5780002011001 | | | 80 | | 46 | 57 | 156 | |
| L130-6570002011001 | | 6500K | 70 | | 51 | 56 | 153 | |
| L130-6580002011001 | | | 80 | | 46 | 57 | 156 | |

LUMILEDS

## LUXEON 3535L HE

| Part Number | Color | Nominal CCT | Minimum CRI | Test Conditions | Min Flux (lumens) | Typ Flux (lumens) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| MXA8-PW22-H001 | Warm-White | 2200K | 80 | Current: 100mA LED Junction Temperature: 25°C | 30 | 35 | 121 | Current: 300mA LED Junction Temperature: 125°C |
| MXA8-PW25-H001 | | 2500K | | | 30 | 36 | 124 | |
| MXA8-PW27-H001 | | 2700K | 80 | | 38 | 46 | 159 | |
| MXA9-PW27-H000 | | | 90 | | 32 | 37 | 128 | |
| MXA8-PW30-H001 | | 3000K | 80 | | 38 | 46 | 159 | |
| MXA9-PW30-H001 | | | 90 | | 32 | 37 | 128 | |
| MXA8-PW35-H001 | | 3500K | 80 | | 40 | 46 | 159 | |
| MXA9-PW35-H001 | | | 90 | | 32 | 40 | 138 | |
| MXA7-PW40-H001 | Neutral-White | 4000K | 70 | | 42 | 51 | 176 | |
| MXA8-PW40-H001 | | | 80 | | 42 | 52 | 179 | |
| MXA9-PW40-H001 | | | 90 | | 32 | 41 | 141 | |
| MXA7-PW50-H001 | Cool-White | 5000K | 70 | | 42 | 51 | 176 | |
| MXA8-PW50-H001 | | | 80 | | 42 | 51 | 176 | |
| MXA9-PW50-H001 | | | 90 | | 32 | 41 | 141 | |
| MXA7-PW57-H001 | | 5700K | 70 | | 42 | 51 | 176 | |
| MXA8-PW57-H001 | | | 80 | | 42 | 51 | 176 | |
| MXA9-PW57-H001 | | | 90 | | 32 | 40 | 138 | |
| MXA7-PW65-H001 | | 6500K | 70 | | 42 | 51 | 176 | |
| MXA8-PW65-H001 | | | 80 | | 42 | 51 | 176 | |
| MXA9-PW65-H001 | | | 90 | | 32 | 40 | 138 | |

## LUXEON 3535L HE PLUS

| Part Number | Color | Nominal CCT | Minimum CRI | Test Conditions | Min Flux (lumens) | Typ Flux (lumens) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| L135-2780CA35000P1 | Warm-White | 2700K | 80 | Current: 100mA LED Junction Temperature: 25°C | 44 | 47 | 168 | Current: 300mA LED Junction Temperature: 125°C |
| L135-3080CA35000P1 | | 3000K | | | 44 | 47 | 168 | |
| L135-3580CA35000P1 | | 3500K | | | 44 | 47 | 168 | |
| L135-4080CA35000P1 | Neutral-White | 4000K | | | 48 | 53 | 189 | |
| L135-5080CA35000P1 | Cool-White | 5000K | | | 48 | 52 | 186 | |
| L135-5780CA35000P1 | | 5700K | | | 48 | 52 | 186 | |
| L135-6580CA35000P1 | | 6500K | | | 48 | 52 | 186 | |





LUMILEDS

## LUXEON 3030 2D

| Part Number | Color | Nominal CCT | Minimum CRI | Test Conditions | Min Flux (lumens) | Typ Flux (lumens) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| L130-2280003000W21 | Warm-White | 2200K | 80 | Current: 120mA LED Junction Temperature: 25°C | 80 | 88 | 120 | Current: 240mA LED Junction Temperature: 125°C |
| L130-2780003000W21 | | 2700K | 80 | | 80 | 103 | 141 | |
| L130-2790003000W21 | | | 90 | | 72 | 84 | 115 | |
| L130-3070003000W21 | | 3000K | 70 | | 98 | 108 | 148 | |
| L130-3080003000W21 | | | 80 | | 85 | 106 | 145 | |
| L130-3090003000W21 | | | 90 | | 75 | 86 | 117 | |
| L130-3570003000W21 | | 3500K | 70 | | 100 | 111 | 152 | |
| L130-3580003000W21 | | | 80 | | 85 | 109 | 149 | |
| L130-3590003000W21 | | | 90 | | 75 | 88 | 120 | |
| L130-4070003000W21 | Neutral-White | 4000K | 70 | | 101 | 116 | 158 | |
| L130-4080003000W21 | | | 80 | | 90 | 115 | 157 | |
| L130-4090003000W21 | | | 90 | | 75 | 92 | 126 | |
| L130-5070003000W21 | Cool-White | 5000K | 70 | | 101 | 116 | 158 | |
| L130-5080003000W21 | | | 80 | | 90 | 115 | 157 | |
| L130-5090003000W21 | | | 90 | | 75 | 92 | 126 | |
| L130-5770003000W21 | | 5700K | 70 | | 101 | 115 | 157 | |
| L130-5780003000W21 | | | 80 | | 90 | 115 | 157 | |
| L130-6570003000W21 | | 6500K | 70 | | 101 | 115 | 157 | |
| L130-6580003000W21 | | | 80 | | 90 | 115 | 157 | |

## LUXEON 3030 HV 24V

| Part Number | Color | Nominal CCT | Minimum CRI | Test Conditions | Min Flux (lumens) | Typ Flux (lumens) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| L130-27800BHV00001 | Warm-White | 2700K | 80 | Current: 34mA LED Junction Temperature: 25°C | 97 | 107 | 132 | Current: 60mA LED Junction Temperature: 125°C |
| L130-30800BHV00001 | | 3000K | | | 99 | 109 | 135 | |
| L130-35800BHV00001 | | 3500K | | | 102 | 112 | 139 | |
| L130-40800BHV00001 | Netural-White | 4000K | | | 107 | 117 | 145 | |
| L130-50800BHV00001 | Cool-White | 5000K | | | 107 | 117 | 145 | |
| L130-57800BHV00001 | | 5700K | | | 107 | 117 | 145 | |
| L130-65800BHV00001 | | 6500K | | | 107 | 117 | 145 | |
| L130-27900BHV00001 | Warm-White | 2700K | 90 | | 87 | 92 | 114 | |
| L130-30900BHV00001 | | 3000K | | | 90 | 95 | 116 | |

LUMILEDS

## LUXEON 3030 HV 48V

| Part Number | Color | Nominal CCT | Minimum CRI | Test Conditions | Min Flux (lm) | Typ Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| L130-27800CHV00001 | Warm-White | 2700K | 80 | Current: 17mA LED Junction Temperature: 25°C | 97 | 107 | 132 | Current: 30mA LED Junction Temperature: 125°C |
| L130-30800CHV00001 | | 3000K | | | 99 | 109 | 135 | |
| L130-35800CHV00001 | | 3500K | | | 102 | 112 | 139 | |
| L130-40800CHV00001 | Netural-White | 4000K | | | 107 | 117 | 145 | |
| L130-50800CHV00001 | Cool-White | 5000K | | | 107 | 117 | 145 | |
| L130-57800CHV00001 | | 5700K | | | 107 | 117 | 145 | |
| L130-65800CHV00001 | | 6500K | | | 107 | 117 | 145 | |
| L130-27900CHV00001 | Warm-White | 2700K | 90 | | 87 | 92 | 114 | |

## LUXEON 3535L COLORS LINE

| Part Number | Color | Wavelength Range (nm) | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|
| L135-G525003500001 | Green | 520-540 | Current: 100mA LED Junction Temperature: 25°C | 21 | 23 | 70 | Forward Current: 125mA LED Junction Temperature: 115°C |
| L135-O615003500001 | Red-Orange | 610-620 | | 13 | 15.5 | 74 | Forward Current: 125mA LED Junction Temperature: 125°C |
| L135-R625003500001 | Red | 620-630 | | 10 | 13.5 | 64 | |
| L135-A589003500001 | PC Amber | - | | 24 | 35 | 115 | Forward Current: 200mA LED Junction Temperature: 125°C |
| L135-L567003500001 | Lime | - | | 44 | 56 | 184 | |
| L135-B475003500001 | Blue | 469-480 | | 8.25 | 11 | 37 | |
| L135-U450003500000 | Royal Blue | 440-455 | | 130 | 155 | - | |

## LUXEON SUNPLUS 35 LINE

| Part Number | Color | Wavelength Range (nm) | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|
| L1SP-PRP0003500000 | Purple (2.5% Blue) | - | Current: 100mA LED Junction Temperature: 25°C | 0.45 | 0.51 | 1.80 | Current: 300mA LED Junction Temperature: 125°C |
| L1SP-PRP1003500000 | Purple (12.5% Blue) | - | | 0.5 | 0.58 | 2.02 | |
| L1SP-PRP2003500000 | Purple (25% Blue) | - | | 0.55 | 0.63 | 2.24 | |
| L1SP-RYL0003500000 | Royal Blue | 440 - 455 | | 0.55 | 0.61 | 2.00 | Current: 200mA LED Junction Temperature: 125°C |
| L1SP-LME0003500000 | Lime | - | | 0.6 | 0.65 | 2.13 | |





LUMILEDS

## LUXEON 2835E 3V

| Part Number | Color | Nominal CCT | Minimum CRI | Test Conditions | Min Flux (lm) | Typ Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| L128-2780EA3500001 | Warm-White | 2700K | 80 | Current: 60mA LED Junction Temperature: 25°C | 22 | 26 | 148 | Current: 120mA LED Junction Temperature: 115°C |
| L128-3080EA3500001 | | 3000K | | | 24 | 28 | 159 | |
| L128-3580EA3500001 | | 3500K | | | 24 | 28 | 159 | |
| L128-4080EA3500001 | Neutral-White | 4000K | | | 25 | 30 | 171 | |
| L128-5080EA3500001 | Cool-White | 5000K | | | 25 | 30 | 171 | |
| L128-5780EA3500001 | | 5700K | | | 25 | 30 | 171 | |
| L128-6580EA3500001 | | 6500K | | | 25 | 30 | 171 | |
| L128-2790EA3500001 | Warm-White | 2700K | 90 | | 19 | 21 | 119 | |
| L128-3090EA3500001 | | 3000K | | | 19 | 21 | 119 | |
| L128-3590EA3500001 | | 3500K | | | 21 | 23 | 131 | |
| L128-4090EA3500001 | Neutral-White | 4000K | | | 21 | 23 | 131 | |
| L128-5090EA3500001 | Cool-White | 5000K | | | 21 | 24 | 137 | |
| L128-5790EA3500001 | | 5700K | | | 21 | 24 | 137 | |
| L128-6590EA3500001 | | 6500K | | | 21 | 24 | 137 | |

## LUXEON 2835E 6V

| Part Number | Color | Nominal CCT | Minimum CRI | Test Conditions | Min Flux (lm) | Typ Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| L128-2780EB3500001 | Warm-White | 2700K | 80 | Current: 60mA LED Junction Temperature: 25°C | 43 | 48 | 131 | Current: 120mA LED Junction Temperature: 125°C |
| L128-3080EB3500001 | | 3000K | | | 44 | 49 | 134 | |
| L128-3580EB3500001 | | 3500K | | | 46 | 50 | 137 | |
| L128-4080EB3500001 | Neutral-White | 4000K | | | 47 | 52 | 142 | |
| L128-5080EB3500001 | Cool-White | 5000K | | | 47 | 52 | 142 | |
| L128-5780EB3500001 | | 5700K | | | 47 | 52 | 142 | |
| L128-6580EB3500001 | | 6500K | | | 47 | 52 | 142 | |

# LEDs
## Mid-Low Power (continued)

LUMILEDS

### LUXEON 2835E 9V

| Part Number | Color | Nominal CCT | Minimum CRI | Test Conditions | Min Flux (lm) | Typ Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| L128-6570EC3500001 | Cool-White | 6500K | 70 | Current: 60mA LED Junction Temperature: 25°C | 79 | 87 | 159 | Current: 120mA LED Junction Temperature: 125°C |
| L128-2280EC3500001 | Warm-White | 2200K | 80 | | 60 | 66 | 121 | |
| L128-2780EC3500001 | | 2700K | | | 67 | 75 | 137 | |
| L128-3080EC3500001 | | 3000K | | | 70 | 78 | 143 | |
| L128-3580EC3500001 | | 3500K | | | 72 | 80 | 147 | |
| L128-4080EC3500001 | Neutral-White | 4000K | | | 74 | 83 | 152 | |
| L128-5080EC3500001 | Cool-White | 5000K | | | 74 | 83 | 152 | |
| L128-5780EC3500001 | | 5700K | | | 74 | 83 | 152 | |
| L128-6580EC3500001 | | 6500K | | | 74 | 83 | 152 | |
| L128-2280EC3500001 | Warm-White | 2200K | 90 | | 48 | 56 | 103 | |
| L128-2780EC3500001 | | 2700K | | | 54 | 62 | 114 | |
| L128-3080EC3500001 | | 3000K | | | 57 | 65 | 119 | |
| L128-3580EC3500001 | | 3500K | | | 60 | 68 | 125 | |
| L128-4080EC3500001 | Neutral-White | 4000K | | | 62 | 70 | 128 | |
| L128-5080EC3500001 | Cool-White | 5000K | | | 62 | 70 | 128 | |

### LUXEON 2835C 6V

| Part Number | Color | Nominal CCT | Minimum CRI | Test Conditions | Min Flux (lm) | Typ Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| L128-2780CB3500001 | Warm-White | 2700K | 80 | Current: 120mA LED Junction Temperature: 25°C | 94 | 105 | 143 | Current: 240mA LED Junction Temperature: 125°C |
| L128-3080CB3500001 | | 3000K | | | 97 | 108 | 148 | |
| L128-3580CB3500001 | | 3500K | | | 100 | 111 | 152 | |
| L128-4080CB3500001 | Neutral-White | 4000K | | | 104 | 115 | 157 | |
| L128-5080CB3500001 | Cool-White | 5000K | | | 104 | 115 | 157 | |
| L128-5780CB3500001 | | 5700K | | | 104 | 115 | 157 | |
| L128-6580CB3500001 | | 6500K | | | 104 | 115 | 157 | |

### LUXEON 2835C 3V

| Part Number | Color | Nominal CCT | Minimum CRI | Test Conditions | Min Flux (lm) | Typ Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| L128-2780CA3500001 | Warm-White | 2700K | 80 | Current: 120mA LED Junction Temperature: 25°C | 51 | 56 | 154 | Current: 240mA LED Junction Temperature: 125°C |
| L128-3080CA3500001 | | 3000K | | | 53 | 58 | 160 | |
| L128-3580CA3500001 | | 3500K | | | 54 | 59 | 164 | |
| L128-4080CA3500001 | Neutral-White | 4000K | | | 56 | 60 | 168 | |
| L128-5080CA3500001 | Cool-White | 5000K | | | 56 | 60 | 168 | |
| L128-5780CA3500001 | | 5700K | | | 56 | 60 | 168 | |
| L128-6580CA3500001 | | 6500K | | | 56 | 60 | 168 | |



LUMILEDS

### LUXEON 2835C 3V TVS

| Part Number | Color | Nominal CCT | Minimum CRI | Test Conditions | Min Flux (lm) | Typ Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| L128-2780CA35000T1 | Warm-White | 2700K | 80 | Current: 120mA LED Junction Temperature: 25°C | 48 | 54 | 149 | Current: 240mA LED Junction Temperature: 125°C |
| L128-3080CA35000T1 | | 3000K | | | 50 | 56 | 154 | |
| L128-3580CA35000T1 | | 3500K | | | 52 | 57 | 158 | |
| L128-4080CA35000T1 | Neutral-White | 4000K | | | 54 | 58 | 163 | |
| L128-5080CA35000T1 | Cool-White | 5000K | | | 54 | 58 | 163 | |
| L128-5780CA35000T1 | | 5700K | | | 54 | 58 | 163 | |
| L128-6580CA35000T1 | | 6500K | | | 54 | 58 | 163 | |

## LOW POWER
### LUXEON 3014

| Part Number | Color | Nominal CCT | Minimum CRI | Test Conditions | Min Flux (lumens) | Typ Flux (lumens) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| L130-2280001400001 | Warm-White | 2200K | 80 | Current: 60mA LED Junction Temperature: 25°C | 19 | 22 | 118 | Current: 120mA LED Junction Temperature: 115°C |
| L130-2580001400001 | | 2500K | | | 21 | 24 | 129 | |
| L130-2780HE1400001 | | 2700K | | | 23 | 26 | 140 | |
| L130-3080HE1400001 | | 3000K | | | 23 | 26 | 140 | |
| L130-3580HE1400001 | | 3500K | | | 23 | 26 | 140 | |
| L130-4080HE1400001 | Neutral-White | 4000K | | | 25 | 28 | 151 | |
| L130-5080HE1400001 | Cool-White | 5000K | | | 25 | 28 | 151 | |
| L130-5780HE1400001 | | 5700K | | | 25 | 28 | 151 | |
| L130-6580HE1400001 | | 6500K | | | 25 | 27 | 145 | |
| L130-2290001400001 | Warm-White | 2200K | 90 | | 16 | 18 | 97 | |
| L130-2790001400001 | | 2700K | | | 18 | 20 | 108 | |
| L130-3090001400001 | | 3000K | | | 19 | 20 | 108 | |
| L130-3590001400001 | | 3500K | | | 19 | 22 | 118 | |
| L130-4090001400001 | Neutral-White | 4000K | | | 20 | 23 | 124 | |
| L130-5090001400001 | Cool-White | 5000K | | | 20 | 23 | 124 | |
| L130-5790001400001 | | 5700K | | | 20 | 23 | 124 | |
| L130-6590001400001 | | 6500K | | | 20 | 23 | 124 | |
| L130-8070001400001 | | 8000K | 70 | | 25 | 28 | 151 | |
| L130-1070001400001 | | 10000K | | | 23 | 27 | 145 | |



LED LIGHT SOURCES

## NICHIA MID POWER

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| NF2W757DRT-V1M2 | Cool-White | 5340K | No Min | Current: 150mA LED Junction Temperature: 25°C | 60.5 | 79.2 | 84 | Current: 200mA LED Junction Temperature: 120°C |
| NF2L757DRT-V1M3 | Warm-White | 2700K | No Min | | 51 | 64.3 | 68 | |
| | | 3000K | | | 51 | 68.6 | 72 | |
| | | 3500K | | | 51 | 72 | 76 | |
| | Neutral-White | 4000K | | | 51 | 73.8 | 78 | |
| NF2W757DRT-V1M3 | Cool-White | 5000K | | | 60.5 | 80 | 84 | |
| NF2L757DRT-V1U4 | Warm-White | 2000K | 80 | Current: 37.5mA LED Junction Temperature: 25°C | 51 | 68 | 76 | Current: 50mA LED Junction Temperature: 120°C |
| | | 2400K | 80 | | 60.5 | 80 | 89 | |
| | | 2700K | 70 | | 85.6 | 96 | 107 | |
| | | | 80 | | 72 | 96 | 107 | |
| | | | 9050 | | 60.5 | 72 | 80 | |
| | | 3000K | 70 | | 85.6 | 102 | 113 | |
| | | | 80 | | 85.6 | 98 | 109 | |
| | | | 9050 | | 60.5 | 77 | 86 | |
| | | 3500K | 70 | | 85.6 | 107 | 119 | |
| | | | 80 | | 85.6 | 102 | 113 | |
| | | | 9050 | | 60.5 | 80 | 89 | |
| | Neutral-White | 4000K | 70 | Current: 37.5mA LED Junction Temperature: 25°C | 85.6 | 110 | 122 | Current: 50mA LED Junction Temperature: 120°C |
| | | | 80 | | 85.6 | 104 | 116 | |
| | | | 9050 | | 60.5 | 83 | 92 | |
| | | 4500K | 70 | | 85.6 | 111 | 123 | |
| | | | 80 | | 85.6 | 105 | 117 | |
| | | | 9050 | | 60.5 | 83 | 92 | |
| NF2W757DRT-V1U4 | Cool-White | 5000K | 70 | | 85.6 | 115 | 128 | |
| | | | 80 | | 85.6 | 111 | 123 | |
| | | | 9050 | | 72 | 89 | 99 | |
| | | 5700K | 70 | | 85.6 | 111 | 123 | |
| | | | 80 | | 85.6 | 107 | 119 | |
| | | | 9050 | | 72 | 86 | 96 | |
| | | 6500K | 70 | | 85.6 | 111 | 123 | |
| | | | 80 | | 85.6 | 107 | 119 | |
| | | | 9050 | | 72 | 86 | 96 | |

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| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| NF2L757GRT-V1 | Warm-White | 2000K | 80 | Current: 150mA LED Junction Temperature: 25°C | 72 | 87 | 92 | Current: 200mA LED Junction Temperature: 120°C |
| | | 2200K | 80 | | 85.6 | 93 | 98 | |
| | | 2500K | 80 | | 85.6 | 104 | 110 | |
| | | 2700K | 70 | | 101.8 | 136 | 144 | |
| | | | 80 | | 101.8 | 130 | 138 | |
| | | | 9050 | | 85.6 | 108 | 114 | |
| | | 3000K | 70 | | 101.8 | 138 | 146 | |
| | | | 80 | | 101.8 | 135 | 143 | |
| | | | 9050 | | 85.6 | 112 | 119 | |
| | | 3500K | 70 | | 101.8 | 144 | 152 | |
| | | | 80 | | 101.8 | 135 | 143 | |
| | | | 9050 | | 85.6 | 115 | 122 | |
| | Neutral-White | 4000K | 70 | | 101.8 | 146 | 154 | |
| | | | 80 | | 101.8 | 137 | 145 | |
| | | | 9050 | | 85.6 | 117 | 124 | |
| | | 4500K | 70 | | 101.8 | 147 | 156 | |
| | | | 80 | | 101.8 | 137 | 145 | |
| | | | 9050 | | 85.6 | 120 | 127 | |
| NF2W757GRT-V1 | Cool-White | 5000K | 70 | | 101.8 | 147 | 156 | |
| | | | 80 | | 101.8 | 144 | 152 | |
| | | | 9050 | | 85.6 | 123 | 130 | |
| | | 5700K | 70 | | 101.8 | 147 | 156 | |
| | | | 80 | | 101.8 | 140 | 148 | |
| | | | 9050 | | 85.6 | 122 | 129 | |
| | | 6500K | 70 | | 101.8 | 146 | 154 | |
| | | | 80 | | 101.8 | 140 | 148 | |
| | | | 9050 | | 85.6 | 122 | 129 | |

Available in Europe and the Americas




LED LIGHT SOURCES

## NICHIA MID POWER *(continued)*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| NF2L757GT-V1F1 | Warm-White | 2000K | 80 | Current: 65mA LED Junction Temperature: 25°C | 18 | 23.2 | 130 | Current: 180mA LED Junction Temperature: 120°C |
| | | 2200K | 80 | | 18 | 25.0 | 140 | |
| | | 2500K | 80 | | 21.4 | 27.7 | 155 | |
| | | 2700K | 70 | | 25.5 | 34.3 | 192 | |
| | | | 80 | | 25.5 | 32.7 | 183 | |
| | | | 9050 | | 21.4 | 28.1 | 157 | |
| | | 3000K | 70 | | 25.5 | 34.8 | 195 | |
| | | | 80 | | 25.5 | 33.7 | 189 | |
| | | | 9050 | | 21.4 | 28.5 | 159 | |
| | | 3500K | 70 | | 25.5 | 35.5 | 199 | |
| | | | 80 | | 25.5 | 34 | 190 | |
| | | | 9050 | | 21.4 | 29.2 | 163 | |
| | Neutral-White | 4000K | 70 | | 25.5 | 36.2 | 203 | |
| | | | 80 | | 25.5 | 34.1 | 191 | |
| | | | 9050 | | 21.4 | 29.7 | 166 | |
| | | 4500K | 70 | | 25.5 | 36.6 | 205 | |
| | | | 80 | | 25.5 | 34.1 | 191 | |
| | | | 9050 | | 25.5 | 30.8 | 172 | |
| NF2W757GT-V1F1 | Cool-White | 5000K | 70 | Current: 65mA LED Junction Temperature: 25°C | 30.3 | 36.4 | 204 | Current: 180mA LED Junction Temperature: 120°C |
| | | | 80 | | 30.3 | 37.5 | 210 | |
| | | | 9050 | | 25.5 | 31.6 | 177 | |
| | | 5700K | 70 | | 30.3 | 36.2 | 203 | |
| | | | 80 | | 30.3 | 36.4 | 204 | |
| | | | 9050 | | 25.5 | 31.3 | 175 | |
| | | 6500K | 70 | | 30.3 | 35.8 | 200 | |
| | | | 80 | | 30.3 | 36.4 | 204 | |
| | | | 9050 | | 25.5 | 31.0 | 173 | |
| NFSL757DT-V1M3 | Warm-White | 2700K | No Min | Current: 65mA LED Junction Temperature: 25°C | 12.7 | 15.4 | 82 | Current: 180mA LED Junction Temperature: 120°C |
| | | 3000K | | | 12.7 | 16.5 | 88 | |
| | | 3500K | | | 12.7 | 17.3 | 92 | |
| | Neutral-White | 4000K | No Min | | 12.7 | 17.7 | 95 | |
| NFSW757DT-V1M3 | Cool-White | 5000K | No Min | | 15.1 | 19.4 | 104 | |

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| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| NFSL757GT-V1 | Warm-White | 2000K | 80 | Current: 65mA LED Junction Temperature: 25°C | 18 | 22.4 | 120 | Current: 180mA LED Junction Temperature: 120°C |
| | | 2200K | 80 | | 18 | 24.3 | 130 | |
| | | 2500K | 80 | | 21.4 | 26.9 | 144 | |
| | | 2700K | 70 | | 25.5 | 32.8 | 176 | |
| | | | 80 | | 25.5 | 31.6 | 169 | |
| | | | 9050 | | 21.4 | 26.8 | 144 | |
| | | 3000K | 70 | | 25.5 | 33.5 | 180 | |
| | | | 80 | | 25.5 | 32.6 | 175 | |
| | | | 9050 | | 21.4 | 27.4 | 147 | |
| | | 3500K | 70 | | 25.5 | 33.9 | 182 | |
| | | | 80 | | 25.5 | 32.9 | 176 | |
| | | | 9050 | | 21.4 | 28.1 | 151 | |
| | Neutral-White | 4000K | 70 | | 25.5 | 34.7 | 186 | |
| | | | 80 | | 25.5 | 32.9 | 176 | |
| | | | 9050 | | 21.4 | 28.6 | 153 | |
| | | 4500K | 70 | | 25.5 | 35.1 | 188 | |
| | | | 80 | | 25.5 | 33.1 | 177 | |
| | | | 9050 | | 21.4 | 29.6 | 159 | |
| NFSW757GT-V1 | Cool-White | 5000K | 70 | Current: 65mA LED Junction Temperature: 25°C | 25.5 | 35.2 | 189 | Current: 180mA LED Junction Temperature: 120°C |
| | | | 80 | | 25.5 | 36.3 | 195 | |
| | | | 9050 | | 21.4 | 30.5 | 163 | |
| | | 5700K | 70 | | 25.5 | 35.0 | 188 | |
| | | | 80 | | 25.5 | 34.8 | 187 | |
| | | | 9050 | | 21.4 | 30.3 | 162 | |
| | | 6500K | 70 | | 25.5 | 34.7 | 186 | |
| | | | 80 | | 25.5 | 34.8 | 187 | |
| | | | 9050 | | 21.4 | 30.1 | 161 | |
| NFSW757DT-V1M2 | Cool-White | 5300K | No Min | | 15.1 | 19.2 | 103 | |

Available in Europe and the Americas

## NICHIA MID POWER *(continued)*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| NTSL757GT-V1 | Warm-White | 2000K | 80 | Current: 65mA LED Junction Temperature: 25°C | 18 | 22.4 | 117 | Current: 120mA LED Junction Temperature: 120°C |
| | | 2200K | 80 | | 18 | 24.3 | 127 | |
| | | 2500K | 80 | | 21.4 | 26.9 | 141 | |
| | | 2700K | 70 | | 25.5 | 33.3 | 174 | |
| | | | 80 | | 25.5 | 31.7 | 166 | |
| | | | 9050 | | 21.4 | 26.9 | 141 | |
| | | 3000K | 70 | | 25.5 | 33.7 | 176 | |
| | | | 80 | | 25.5 | 32.4 | 170 | |
| | | | 9050 | | 21.4 | 27.4 | 143 | |
| | | 3500K | 70 | | 25.5 | 34.1 | 178 | |
| | | | 80 | | 25.5 | 32.7 | 171 | |
| | | | 9050 | | 21.4 | 28.1 | 147 | |
| | Neutral-White | 4000K | 70 | | 25.5 | 34.8 | 182 | |
| | | | 80 | | 25.5 | 32.8 | 172 | |
| | | | 9050 | | 21.4 | 28.8 | 151 | |
| | | 4500K | 70 | | 25.5 | 35.4 | 185 | |
| | | | 80 | | 25.5 | 33 | 173 | |
| | | | 9050 | | 21.4 | 29.7 | 155 | |
| NTSW757GT-V1 | Cool-White | 5000K | 70 | | 25.5 | 35.4 | 185 | |
| | | | 80 | | 25.5 | 35.3 | 185 | |
| | | | 9050 | | 21.4 | 30.4 | 159 | |
| | | 5700K | 70 | | 25.5 | 35.1 | 184 | |
| | | | 80 | | 25.5 | 34.6 | 181 | |
| | | | 9050 | | 21.4 | 30.2 | 158 | |
| | | 6500K | 70 | | 25.5 | 34.8 | 182 | |
| | | | 80 | | 25.5 | 34.6 | 181 | |
| | | | 9050 | | 21.4 | 29.9 | 156 | |

## NICHIA MID POWER COLOR

| Part Number | Color | Dominant Wavelength (nm) | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|
| NE2R757G | Red | 620nm | Current: 100mA LED Junction Temperature: 25°C | 12.7 | 16 | 52 | Current: 140mA LED Junction Temperature: 120°C |
| NE2B757G | Blue | 470nm | | 6.4 | 8.7 | 30 | |
| NE2G757G | Green | 525nm | | 25.5 | 33 | 94 | |
| NF2E757GR | Cyan | 505nm | Current: 150mA LED Junction Temperature: 25°C | 60.5 | 83 | 80 | Current: 200mA LED Junction Temperature: 120°C |
| NFSY757G | Yellow | 578nm | Current: 65mA LED Junction Temperature: 25°C | 21.4 | 30.2 | 161 | Current: 150mA LED Junction Temperature: 120°C |

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# LOW POWER

## NICHIA LOW POWER

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|
| NSSLT02AT-V2 | Warm-White | 2700K | 80 | Current: 65mA LED Junction Temperature: 25°C | 21.4 | 27.9 | 146 | Current: 130mA LED Junction Temperature: 120°C |
| | | | 90 | | 18.0 | 23.7 | 124 | |
| | | 3000K | 80 | | 21.4 | 28.5 | 149 | |
| | | | 90 | | 18.0 | 25.0 | 131 | |
| | | 3500K | 80 | | 21.4 | 29.0 | 152 | |
| | | | 90 | | 18.0 | 25.2 | 132 | |
| | Neutral-White | 4000K | 80 | | 21.4 | 29.1 | 152 | |
| | | | 90 | | 18.0 | 25.5 | 133 | |
| | | 4500K | 80 | | 21.4 | 29.7 | 155 | |
| | | | 90 | | 18.0 | 25.7 | 134 | |
| NSSWT02AT-V2 | Cool-White | 5000K | 80 | | 21.4 | 30.5 | 160 | |
| | | | 90 | | 18.0 | 25.9 | 136 | |
| | | 5700K | 80 | | 21.4 | 29.7 | 155 | |
| | | 6500K | 80 | | 21.4 | 29.1 | 152 | |

Available in Europe and the Americas




LED LIGHT SOURCES

LG Innotek

## LG INNOTEK 5250 HV SERIES

| Part Number | Color | Nominal CCT | Minimum CRI | Test Conditions | Min Flux (lm) | Typical Flux (lm) | Voltage | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|
| LEHWH51W80MH30A0 | Warm-White | 2700K | 80 | Current:42mA LED Junction Temperature: 25°C | 135 | 125 | 32 | 112 | Current: 50mA LED Junction Temperature: 125°C |
| LEHWH51W80LH30A0 | | 3000K | | | 150 | 163 | | 121 | |
| LEHWH51W80JH30A0 | Neutral-White | 4000K | | | 155 | 172 | | 130 | |
| LEHWH51W80HH20A0 | Cool-White | 5000K | | | 162 | 176 | | 131 | |
| LEHWH51W80GH20A0 | | 5700K | | | 163 | 177 | | 132 | |
| LEHWH51W80FH20A0 | | 6500K | | | 158 | 175 | | 131 | |
| LEHWH51Y80MH30A0 | Warm-White | 2700K | 80 | Current:20mA LED Junction Temperature: 25°C | 133 | 145 | 67 | 109 | Current: 25mA LED Junction Temperature: 125°C |
| LEHWH51Y80LH30A0 | | 3000K | | | 143 | 155 | | 118 | |
| LEHWH51Y80JH30A0 | Neutral-White | 4000K | | | 152 | 165 | | 126 | |
| LEHWH51Y80HH20A0 | Cool-White | 5000K | | | 154 | 167 | | 127 | |
| LEHWH51Y80GH20A0 | | 5700K | | | 154 | 167 | | 127 | |
| LEHWH51Y80FH20A0 | | 6500K | | | 153 | 166 | | 126 | |

## LG INNOTEK 5630 HV SERIES

| Part Number | Color | Nominal CCT | Minimum CRI | Test Conditions | Min Flux (lm) | Typical Flux (lm) | Voltage | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|
| LEHWH59280MH30A0 | Warm-White | 2700K | 80 | Current:20mA LED Junction Temperature: 25°C | 47 | 52.5 | 22 | 119 | Current: 25mA LED Junction Temperature: 125°C |
| LEHWH59280LH30A0 | | 3000K | | | 50 | 57 | | 129 | |
| LEHWH59280HH30A0 | Cool-White | 5000K | | | 53 | 59.6 | | 137 | |
| LEHWH59280GH20A0 | | 5700K | | | 52 | 59.6 | | 135 | |





LG Innotek

## LG INNOTEK 3030 HV SERIES

| Part Number | Color | Nominal CCT | Minimum CRI | Test Conditions | Min Flux (lm) | Typical Flux (lm) | Voltage | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|
| LEMWH36680MH30A0 | Warm-White | 2700K | 80 | Current: 42mA LED Junction Temperature: 25°C | 122 | 145 | 32 | 108 | Current: 50mA LED Junction Temperature: 125°C |
| LEMWH36680LH30A0 | | 3000K | | | 130 | 151 | | 112 | |
| LEMWH36680JH30A0 | Neutral-White | 4000K | | | 133 | 157 | | 117 | |
| LEMWH36680HH30A0 | Cool-White | 5000K | | | 139 | 161 | | 120 | |
| LEMWH36680GH30A0 | | 5700K | | | 140 | 162 | | 121 | |
| LEMWH36680FH30A0 | | 6500K | | | 136 | 160 | | 119 | |
| LEMWH36680MH30A0 | Warm-White | 2700K | | Current: 20mA LED Junction Temperature: 25°C | 108 | 138 | 67 | 103 | Current: 25mA LED Junction Temperature: 125°C |
| LEMWH36680LH30A0 | | 3000K | | | 120 | 146 | | 109 | |
| LEMWH36680JH30A0 | Neutral-White | 4000K | | | 124 | 154 | | 115 | |
| LEMWH36680HH30A0 | Cool-White | 5000K | | | 130 | 157 | | 117 | |
| LEMWH36680GH30A0 | | 5700K | | | 130 | 158 | | 118 | |
| LEMWH36380MH30A0 | | 6500K | | | 126 | 156 | | 116 | |

bridgelux

## BRIDGELUX V6

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXRE-27E0400-A-23 | Warm-White | 2700K | 80 | Current: 175mA CoB Junction Temperature: 25°C | 18.0 | 351 | 374 | 119 | 3.2 | Current: 350mA CoB Junction Temperature: 150°C |
| BXRE-27G0400-A-23 | | | 90 | | | 263 | 318 | 101 | | |
| BXRE-30E0400-A-23 | | 3000K | 80 | | | 364 | 393 | 125 | | |
| BXRE-30G0400-A-23 | | | 90 | | | 307 | 330 | 105 | | |
| BXRE-35E0400-A-23 | | 3500K | 80 | | | 371 | 403 | 128 | | |
| BXRE-35G0400-A-23 | | | 90 | | | 310 | 344 | 109 | | |
| BXRE-40E0400-A-23 | Neutral-White | 4000K | 80 | | | 381 | 409 | 130 | | |
| BXRE-50C0400-A-24 | Cool-White | 5000K | 70 | | | 403 | 439 | 139 | | |
| BXRE-50E0400-A-24 | | | 80 | | | 390 | 412 | 131 | | |
| BXRE-27E0400-B-23 | Warm-White | 2700K | 80 | Current: 350mA CoB Junction Temperature: 25°C | 9.0 | 351 | 374 | 119 | | Current: 700mA CoB Junction Temperature: 150°C |
| BXRE-27G0400-B-23 | | | 90 | | | 263 | 318 | 101 | | |
| BXRE-30E0400-B-23 | | 3000K | 80 | | | 364 | 393 | 125 | | |
| BXRE-30G0400-B-23 | | | 90 | | | 307 | 330 | 105 | | |
| BXRE-35E0400-A-23 | | 3500K | 80 | | | 371 | 403 | 128 | | |
| BXRE-35G0400-A-23 | | | 90 | | | 310 | 344 | 109 | | |
| BXRE-40E0400-B-23 | Neutral-White | 4000K | 80 | | | 381 | 409 | 130 | | |
| BXRE-50C0400-B-24 | Cool-White | 5000K | 70 | | | 403 | 439 | 139 | | |
| BXRE-50E0400-B-24 | | | 80 | | | 390 | 412 | 131 | | |

## BRIDGELUX V8

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXRE-27E0800-A-23 | Warm-White | 2700K | 80 | Current: 175mA CoB Junction Temperature: 25°C | 35.6 | 680 | 740 | 119 | 6.2 | Current: 350mA CoB Junction Temperature: 150°C |
| BXRE-27G0800-A-23 | | | 90 | | | 534 | 629 | 101 | | |
| BXRE-30E0800-A-23 | | 3000K | 80 | | | 696 | 785 | 126 | | |
| BXRE-30G0800-A-23 | | | 90 | | | 550 | 654 | 105 | | |
| BXRE-35E0800-A-23 | | 3500K | 80 | | | 701 | 803 | 129 | | |
| BXRE-35G0800-A-23 | | | 90 | | | 595 | 679 | 109 | | |
| BXRE-40E0800-A-23 | Neutral-White | 4000K | 80 | | | 745 | 829 | 133 | | |
| BXRE-40G0800-A-23 | | | 90 | | | 611 | 716 | 115 | | |
| BXRE-50C0800-A-24 | Cool-White | 5000K | 70 | | | 776 | 885 | 142 | | |
| BXRE-50E0800-A-24 | | | 80 | | | 745 | 829 | 133 | | |
| BXRE-27E0800-B-23 | Warm-White | 2700K | 80 | Current: 350mA CoB Junction Temperature: 25°C | 17.8 | 680 | 740 | 119 | | Current: 700mA CoB Junction Temperature: 150°C |
| BXRE-27G0800-B-23 | | | 90 | | | 534 | 629 | 101 | | |
| BXRE-30E0800-B-23 | | 3000K | 80 | | | 696 | 785 | 126 | | |
| BXRE-30G0800-B-23 | | | 90 | | | 550 | 654 | 105 | | |
| BXRE-35E0800-A-23 | | 3500K | 80 | | | 701 | 803 | 129 | | |
| BXRE-35G0800-A-23 | | | 90 | | | 595 | 679 | 109 | | |
| BXRE-40E0800-B-23 | Neutral-White | 4000K | 80 | | | 745 | 829 | 133 | | |
| BXRE-40G0800-B-23 | | | 90 | | | 611 | 716 | 115 | | |
| BXRE-50C0800-B-24 | Cool-White | 5000K | 70 | | | 776 | 885 | 142 | | |
| BXRE-50E0800-B-24 | | | 80 | | | 745 | 829 | 133 | | |





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## BRIDGELUX V10-GEN7

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Pulsed Flux (lm) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXRE-20B1001-B-73 | Warm-White | 2000K | 65 | Current: 270mA Tj = Tc = : 25°C | 35.0 | 1177 | 1337 | 141 | 9.5 | Current: 540mA CoB Junction Temperature: 125°C |
| BXRE-27E1000-B-7X | | 2700K | 80 | | | 1187 | 1348 | 142 | | |
| BXRE-27G1000-B-7X | | | 90 | | | 989 | 1124 | 118 | | |
| BXRE-27H1000-B-7X | | | 97 typ | | | 865 | 983 | 104 | | |
| BXRE-30E1000-B-7X | | 3000K | 80 | | | 1247 | 1418 | 149 | | |
| BXRE-30G1000-B-7X | | | 90 | | | 1026 | 1166 | 123 | | |
| BXRE-30G100C-B-73 | | | 90 | | | 964 | 1096 | 116 | | |
| BXRE-30H1000-B-7X | | | 97 typ | | | 927 | 1054 | 111 | | |
| BXRE-35E1000-B-7X | | 3500K | 80 | | | 1273 | 1447 | 152 | | |
| BXRE-35G1000-B-7X | | | 90 | | | 1063 | 1208 | 127 | | |
| BXRE-35A1001-B-73 | | | 93 typ | | | 1028 | 1169 | 123 | | |
| BXRE-40E1000-B-7X | Neutral-White | 4000K | 80 | | | 1285 | 1461 | 154 | | |
| BXRE-40G1000-B-7X | | | 90 | | | 1100 | 1250 | 132 | | |
| BXRE-50C1001-B-74 | Cool-White | 5000K | 70 | | | 1409 | 1601 | 169 | | |
| BXRE-50E1001-B-74 | | | 80 | | | 1324 | 1505 | 158 | | |
| BXRE-50G1001-B-74 | | | 90 | | | 1127 | 1281 | 135 | | |
| BXRE-57C1001-B-74 | | 5700K | 70 | | | 1360 | 1545 | 163 | | |
| BXRE-57E1001-B-74 | | | 80 | | | 1347 | 1531 | 161 | | |
| BXRE-65C1001-B-74 | | 6500K | 70 | | | 1384 | 1573 | 166 | | |
| BXRE-65E1001-B-74 | | | 80 | | | 1372 | 1559 | 164 | | |
| BXRE-27E1000-C-7X | Warm-White | 2700K | 80 | Current: 360mA Tj = Tc = : 25°C | 35.0 | 1581 | 1797 | 143 | 12.6 | Current: 720mA LED Junction Temperature: 125°C |
| BXRE-27G1000-C-7X | | | 90 | | | 1318 | 1498 | 119 | | |
| BXRE-30E1000-C-7X | | 3000K | 80 | | | 1647 | 1890 | 150 | | |
| BXRE-30G1000-C-7X | | | 90 | | | 1367 | 1554 | 123 | | |
| BXRE-35E1000-C-7X | | 3500K | 80 | | | 1697 | 1928 | 153 | | |
| BXRE-35G1000-C-7X | | | 90 | | | 1417 | 1610 | 128 | | |
| BXRE-40E1000-C-7X | Neutral-White | 4000K | 80 | | | 1713 | 1947 | 155 | | |
| BXRE-40G1000-C-7X | | | 90 | | | 1466 | 1666 | 132 | | |
| BXRE-50C1001-C-74 | Cool-White | 5000K | 70 | | | 1878 | 2134 | 169 | | |
| BXRE-50E1001-C-74 | | | 80 | | | 1765 | 2006 | 159 | | |
| BXRE-50G1001-C-74 | | | 90 | | | 1502 | 1707 | 135 | | |
| BXRE-57C1001-C-74 | | 5700K | 70 | | | 1812 | 2059 | 163 | | |
| BXRE-57E1001-C-74 | | | 80 | | | 1796 | 2040 | 162 | | |
| BXRE-65C1001-C-74 | | 6500K | 70 | | | 1845 | 2097 | 166 | | |
| BXRE-65E1001-C-74 | | | 80 | | | 1829 | 2078 | 165 | | |

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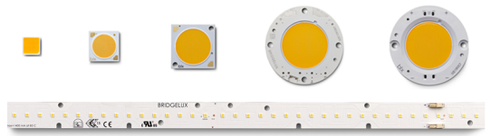

Dedication to the Quality of Light

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## BRIDGELUX V13-GEN7

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Pulsed Flux (lm) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXRE-20B2000-B-73 | Warm-White | 2000K | 65 | Current: 450mA Tj = Tc = : 25°C | 34.8 | 2038 | 2264 | 145 | 15.6 | Current: 900mA CoB Junction Temperature: 125°C |
| BXRE-27E2000-B-7X | | 2700K | 80 | | | 2090 | 2323 | 149 | | |
| BXRE-27G2000-B-7X | | | 90 | | | 1742 | 1936 | 124 | | |
| BXRE-27H2000-B-7X | | | 97 typ | | | 1506 | 1673 | 107 | | |
| BXRE-30E2000-B-7X | | 3000K | 80 | | | 2178 | 2420 | 155 | | |
| BXRE-30G2000-B-7X | | | 90 | | | 1807 | 2008 | 129 | | |
| BXRE-30G200C-B-73 | | | 90 | | | 1689 | 1877 | 120 | | |
| BXRE-30H2000-B-7X | | | 97 typ | | | 1618 | 1798 | 115 | | |
| BXRE-35E2000-B-7X | | 3500K | 80 | | | 2243 | 2492 | 160 | | |
| BXRE-35G2000-B-7X | | | 90 | | | 1873 | 2081 | 133 | | |
| BXRE-35A2001-B-73 | | | 93 typ | | | 1783 | 1981 | 127 | | |
| BXRE-40E2000-B-7X | Neutral-White | 4000K | 80 | | | 2265 | 2516 | 161 | | |
| BXRE-40G2000-B-7X | | | 90 | | | 1938 | 2153 | 138 | | |
| BXRE-50C2001-B-74 | Cool-White | 5000K | 70 | | | 2482 | 2758 | 177 | | |
| BXRE-50E2001-B-74 | | | 80 | | | 2334 | 2593 | 166 | | |
| BXRE-50G2001-B-74 | | | 90 | | | 1986 | 2207 | 141 | | |
| BXRE-57C2001-B-74 | | 5700K | 70 | | | 2395 | 2662 | 171 | | |
| BXRE-57E2001-B-74 | | | 80 | | | 2374 | 2637 | 169 | | |
| BXRE-65C2001-B-74 | | 6500K | 70 | | | 2439 | 2710 | 174 | | |
| BXRE-65E2001-B-74 | | | 80 | | | 2417 | 2686 | 172 | | |
| BXRE-20B2001-C-73 | Warm-White | 2000K | 65 | Current: 630mA Tj = Tc = : 25°C | 34.8 | 2853 | 3170 | 145 | 21.9 | Current: 1260mA LED Junction Temperature: 125°C |
| BXRE-27E2000-C-7X | | 2700K | 80 | | | 2926 | 3251 | 148 | | |
| BXRE-27G2000-C-7X | | | 90 | | | 2438 | 2709 | 124 | | |
| BXRE-30E2000-C-7X | | 3000K | 80 | | | 3048 | 3387 | 155 | | |
| BXRE-30G2000-C-7X | | | 90 | | | 2530 | 2811 | 128 | | |
| BXRE-35E2000-C-7X | | 3500K | 80 | | | 3140 | 3488 | 159 | | |
| BXRE-35G2000-C-7X | | | 90 | | | 2621 | 2913 | 133 | | |
| BXRE-40E2000-C-7X | Neutral-White | 4000K | 80 | | | 3170 | 3522 | 161 | | |
| BXRE-40G2000-C-7X | | | 90 | | | 2713 | 3014 | 138 | | |
| BXRE-50C2001-C-74 | Cool-White | 5000K | 70 | | | 3475 | 3861 | 176 | | |
| BXRE-50E2001-C-74 | | | 80 | | | 3266 | 3629 | 166 | | |
| BXRE-50G2001-C-74 | | | 90 | | | 2780 | 3089 | 141 | | |
| BXRE-57C2001-C-74 | | 5700K | 70 | | | 3353 | 3725 | 170 | | |
| BXRE-57E2001-C-74 | | | 80 | | | 3322 | 3692 | 169 | | |
| BXRE-65C2001-C-74 | | 6500K | 70 | | | 3414 | 3793 | 173 | | |
| BXRE-65E2001-C-74 | | | 80 | | | 3383 | 3759 | 172 | | |



## BRIDGELUX V18-GEN7

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Pulsed Flux (lm) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXRE-17E4000-B-74 | Warm-White | 1750K | 80 | Current: 900mA Tj = Tc = : 25°C | 34.8 | 2402 | 2684 | 86 | 31.4 | Current: 1800mA CoB Junction Temperature: 125°C |
| BXRE-25E4000-B-74 | | 2000K | 60 | | | 3900 | 4338 | 139 | | |
| BXRE-27E4000-B-7X | | 2700K | 80 | | | 4180 | 4644 | 148 | | |
| BXRE-27G4000-B-7X | | | 90 | | | 3483 | 3870 | 123 | | |
| BXRE-27H4000-B-7X | | | 97 typ | | | 3047 | 3386 | 108 | | |
| BXRE-30E4000-B-7X | | 3000K | 80 | | | 4374 | 4860 | 155 | | |
| BXRE-30G4000-B-7X | | | 90 | | | 3614 | 4015 | 128 | | |
| BXRE-30G400C-B-73 | | | 90 | | | 3391 | 3768 | 120 | | |
| BXRE-30H4000-B-7X | | | 97 typ | | | 3250 | 3611 | 115 | | |
| BXRE-35E4000-B-7X | | 3500K | 80 | | | 4484 | 4983 | 159 | | |
| BXRE-35G4000-B-7X | | | 90 | | | 3744 | 4160 | 132 | | |
| BXRE-35A4001-B-73 | | | 93 typ | | | 3617 | 4019 | 128 | | |
| BXRE-40E4000-B-7X | Neutral-White | 4000K | 80 | | | 4528 | 5031 | 160 | | |
| BXRE-40G4000-B-7X | | | 90 | | | 3875 | 4305 | 137 | | |
| BXRE-50C4001-B-74 | Cool-White | 5000K | 70 | | | 4963 | 5515 | 176 | | |
| BXRE-50E4001-B-74 | | | 80 | | | 4666 | 5184 | 165 | | |
| BXRE-50G4001-B-74 | | | 90 | | | 3971 | 4412 | 141 | | |
| BXRE-57C4001-B-74 | | 5700K | 70 | | | 4789 | 5321 | 169 | | |
| BXRE-57E4001-B-74 | | | 80 | | | 4746 | 5273 | 168 | | |
| BXRE-65C4001-B-74 | | 6500K | 70 | | | 4876 | 5418 | 173 | | |
| BXRE-65E4001-B-74 | | | 80 | | | 4833 | 5370 | 171 | | |
| BXRE-20B4001-C-73 | Warm-White | 2000K | 65 | Current: 1170mA Tj = Tc = : 25°C | 34.8 | 5302 | 5891 | 145 | 40.8 | Current: 2340mA LED Junction Temperature: 125°C |
| BXRE-27E4000-C-7X | | 2700K | 80 | | | 5434 | 6038 | 148 | | |
| BXRE-27G4000-C-7X | | | 90 | | | 4529 | 5032 | 123 | | |
| BXRE-30E4000-C-7X | | 3000K | 80 | | | 5686 | 6318 | 155 | | |
| BXRE-30G4000-C-7X | | | 90 | | | 4699 | 5221 | 128 | | |
| BXRE-35E4000-C-7X | | 3500K | 80 | | | 5831 | 6479 | 159 | | |
| BXRE-35G4000-C-7X | | | 90 | | | 4868 | 5409 | 133 | | |
| BXRE-40E4000-C-7X | Neutral-White | 4000K | 80 | | | 5887 | 6541 | 160 | | |
| BXRE-40G4000-C-7X | | | 90 | | | 5038 | 5598 | 137 | | |
| BXRE-50C4001-C-74 | Cool-White | 5000K | 70 | | | 6453 | 7170 | 176 | | |
| BXRE-50E4001-C-74 | | | 80 | | | 6066 | 6740 | 165 | | |
| BXRE-50G4001-C-74 | | | 90 | | | 5163 | 5736 | 141 | | |
| BXRE-57C4001-C-74 | | 5700K | 70 | | | 6227 | 6919 | 170 | | |
| BXRE-57E4001-C-74 | | | 80 | | | 6170 | 6856 | 168 | | |
| BXRE-65C4001-C-74 | | 6500K | 70 | | | 6340 | 7045 | 173 | | |
| BXRE-65E4001-C-74 | | | 80 | | | 6284 | 6982 | 171 | | |

## BRIDGELUX V22 -GEN7

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Pulsed Flux (lm) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXRE-27E6500-B-7X | Warm-White | 2700K | 80 | Current: 1170mA Tj = Tc = : 25°C | 52.0 | 8150 | 9056 | 149 | 60.8 | Current: 2340mA LED Junction Temperature: 125°C |
| BXRE-27G6500-B-7X | | | 90 | | | 6792 | 7547 | 124 | | |
| BXRE-30E6500-B-7X | | 3000K | 80 | | | 8490 | 9433 | 155 | | |
| BXRE-30G6500-B-7X | | | 90 | | | 7047 | 7830 | 129 | | |
| BXRE-35E6500-B-7X | | 3500K | 80 | | | 8745 | 9716 | 160 | | |
| BXRE-35G6500-B-7X | | | 90 | | | 7301 | 8113 | 133 | | |
| BXRE-40E6500-B-7X | Neutral-White | 4000K | 80 | | | 8830 | 9811 | 161 | | |
| BXRE-40G6500-B-7X | | | 90 | | | 7556 | 8396 | 138 | | |
| BXRE-50C6501-B-74 | Cool-White | 5000K | 70 | | | 9679 | 10754 | 177 | | |
| BXRE-50E6501-B-74 | | | 80 | | | 9098 | 10109 | 166 | | |
| BXRE-50G6501-B-74 | | | 90 | | | 7743 | 8603 | 141 | | |
| BXRE-57C6501-B-74 | | 5700K | 70 | | | 9339 | 10377 | 171 | | |
| BXRE-57E6501-B-74 | | | 80 | | | 9254 | 10282 | 169 | | |
| BXRE-65C6501-B-74 | | 6500K | 70 | | | 9509 | 10565 | 174 | | |
| BXRE-65E6501-B-74 | | | 80 | | | 9424 | 10471 | 172 | | |
| BXRE-27E6500-C-7X | Warm-White | 2700K | 80 | Current: 1440mA Tj = Tc = : 25°C | 52.0 | 10032 | 11147 | 149 | 74.9 | Current: 2880mA LED Junction Temperature: 125°C |
| BXRE-27G6500-C-7X | | | 90 | | | 8360 | 9289 | 124 | | |
| BXRE-30E6500-C-7X | | 3000K | 80 | | | 10450 | 11611 | 155 | | |
| BXRE-30G6500-C-7X | | | 90 | | | 8673 | 9637 | 129 | | |
| BXRE-35E6500-C-7X | | 3500K | 80 | | | 10763 | 11959 | 160 | | |
| BXRE-35G6500-C-7X | | | 90 | | | 8987 | 9986 | 133 | | |
| BXRE-40E6500-C-7X | Neutral-White | 4000K | 80 | | | 10868 | 12075 | 161 | | |
| BXRE-40G6500-C-7X | | | 90 | | | 9300 | 10334 | 138 | | |
| BXRE-50C6501-C-74 | Cool-White | 5000K | 70 | | | 11913 | 13237 | 177 | | |
| BXRE-50E6501-C-74 | | | 80 | | | 11198 | 12442 | 166 | | |
| BXRE-50G6501-C-74 | | | 90 | | | 9530 | 10589 | 141 | | |
| BXRE-57C6501-C-74 | | 5700K | 70 | | | 11495 | 12772 | 171 | | |
| BXRE-57E6501-C-74 | | | 80 | | | 11390 | 12656 | 169 | | |
| BXRE-65C6501-C-74 | | 6500K | 70 | | | 11704 | 13004 | 174 | | |
| BXRE-65E6501-C-74 | | | 80 | | | 11599 | 12888 | 172 | | |

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Pulsed Flux (lm) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXRE-17E6500-D-74 | Warm-White | 1750K | 80 | Current: 1400mA Tj = Tc = : 25°C | 35.0 | 3793 | 4214 | 86 | 49 | Current: 1400mA LED Junction Temperature: 125°C |
| BXRE-20B6501-D-74 | | 2000K | 65 | | | 6395 | 7105 | 145 | | |
| BXRE-25E6500-D-74 | | 2500K | 80 | | | 6130 | 6811 | 139 | | |
| BXRE-27E6500-D-7X | | 2700K | 80 | | | 6451 | 7167 | 146 | | |
| BXRE-27G6500-D-7X | | | 90 | | | 5376 | 5973 | 122 | | |
| BXRE-27H6500-D-7X | | | 97 typ | | | 4763 | 5292 | 108 | | |
| BXRE-30E6500-D-7X | | 3000K | 80 | | | 6719 | 7466 | 152 | | |
| BXRE-30G6500-D-7X | | | 90 | | | 5577 | 6197 | 126 | | |
| BXRE-30G650C-D-7X | | | 90 | | | 5292 | 5880 | 120 | | |
| BXRE-30H6500-D-7X | | | 97 typ | | | 5116 | 5684 | 116 | | |
| BXRE-35E6500-D-7X | | 3500K | 80 | | | 6921 | 7690 | 157 | | |
| BXRE-35G6500-D-7X | | | 90 | | | 5779 | 6421 | 131 | | |
| BXRE-35A6501-D-73 | | | 93 typ | | | 5645 | 6272 | 128 | | |
| BXRE-40E6500-D-7X | Neutral-White | 4000K | 80 | | | 7034 | 7816 | 160 | | |
| BXRE-40G6500-D-7X | | | 90 | | | 5980 | 6645 | 136 | | |
| BXRE-50C6501-D-74 | Cool-White | 5000K | 70 | | | 7660 | 8511 | 174 | | |
| BXRE-50E6501-D-74 | | | 80 | | | 7190 | 7989 | 163 | | |
| BXRE-50G6501-D-74 | | | 90 | | | 6115 | 6794 | 139 | | |
| BXRE-56G6501-D-74 | | 5600 | 90 | | | 6483 | 7203 | 147 | | |
| BXRE-56G6500-D-74 | | 5600 | 90 | | | 6483 | 7203 | 147 | | |
| BXRE-57C6501-D-74 | | 5700K | 70 | | | 7391.34 | 8213 | 168 | | |
| BXRE-57E6501-D-74 | | | 80 | | | 7324.146 | 8138 | 166 | | |
| BXRE-65C6501-D-74 | | 6500K | 70 | | | 7525.728 | 8362 | 171 | | |
| BXRE-65E6501-D-74 | | | 80 | | | 7146.9 | 7941 | 162 | | |

## BRIDGELUX VERO 10-GEN7

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Pulsed Flux (lm) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXRC-20B1001-B-73 | Warm-White | 2000K | 65 | Current: 270mA Tj = Tc = 25°C | 35.0 | 1169 | 1328 | 141 | 9.5 | Current: 540mA LED Junction Temperature: 125°C |
| BXRC-27E1000-B-7X | | 2700K | 80 | | | 1187 | 1348 | 142 | | |
| BXRC-27G1000-B-7X | | | 90 | | | 989 | 1124 | 118 | | |
| BXRC-27H1000-B-7X | | | 97 typ | | | 866 | 984 | 104 | | |
| BXRC-30E1000-B-7X | | 3000K | 80 | | | 1236 | 1418 | 149 | | |
| BXRC-30G1000-B-7X | | | 90 | | | 1026 | 1166 | 123 | | |
| BXRC-30G100C-B-73 | | | 90 | | | 961 | 1092 | 116 | | |
| BXRC-30H1000-B-7X | | | 97 typ | | | 927 | 1054 | 111 | | |
| BXRC-30A1001-B-73 | | | 93 typ | | | 956 | 1086 | 114 | | |
| BXRC-35E1000-B-7X | | 3500K | 80 | | | 1273 | 1447 | 152 | | |
| BXRC-35G1000-B-7X | | | 90 | | | 1063 | 1208 | 127 | | |
| BXRC-35A1001-B-73 | | | 93 typ | | | 1030 | 1170 | 123 | | |
| BXRC-40E1000-B-7X | Neutral-White | 4000K | 80 | | | 1285 | 1461 | 154 | | |
| BXRC-40G1000-B-7X | | | 90 | | | 1100 | 1250 | 132 | | |
| BXRC-40A1001-B-73 | | | 93 typ | | | 1096 | 1245 | 131 | | |
| BXRC-50C1001-B-74 | Cool-White | 5000K | 70 | | | 1409 | 1601 | 169 | | |
| BXRC-50E1001-B-74 | | | 80 | | | 1324 | 1505 | 158 | | |
| BXRC-50G1001-B-74 | | | 90 | | | 1127 | 1281 | 135 | | |
| BXRC-57C1001-B-74 | | 5700K | 70 | | | 1360 | 1545 | 163 | | |
| BXRC-57E1001-B-74 | | | 80 | | | 1347 | 1531 | 161 | | |
| BXRC-65C1001-B-74 | | 6500K | 70 | | | 1384 | 1573 | 166 | | |
| BXRC-65E1001-B-74 | | | 80 | | | 1372 | 1559 | 164 | | |
| BXRC-27E1000-C-7X | Warm-White | 2700K | 80 | Current: 360mA Tj = Tc = 25°C | 35.0 | 1581 | 1797 | 143 | 12.6 | Current: 720mA LED Junction Temperature: 125°C |
| BXRC-27G1000-C-7X | | | 90 | | | 1318 | 1498 | 119 | | |
| BXRC-27H1000-C-7X | | | 97 typ | | | 1154 | 1311 | 104 | | |
| BXRC-30E1000-C-7X | | 3000K | 80 | | | 1647 | 1890 | 150 | | |
| BXRC-30G1000-C-7X | | | 90 | | | 1367 | 1554 | 123 | | |
| BXRC-30H1000-C-7X | | | 97 typ | | | 1236 | 1404 | 111 | | |
| BXRC-30A1001-C-73 | | | 93 typ | | | 1274 | 1448 | 115 | | |
| BXRC-35E1000-C-7X | | 3500K | 80 | | | 1697 | 1928 | 153 | | |
| BXRC-35G1000-C-7X | | | 90 | | | 1417 | 1610 | 128 | | |
| BXRC-35A1001-C-73 | | | 93 typ | | | 1373 | 1560 | 124 | | |
| BXRC-40E1000-C-7X | Neutral-White | 4000K | 80 | | | 1713 | 1947 | 155 | | |
| BXRC-40G1000-C-7X | | | 90 | | | 1466 | 1666 | 132 | | |
| BXRC-40A1001-C-73 | | | 93 typ | | | 1461 | 1660 | 132 | | |
| BXRC-50C1001-C-74 | Cool-White | 5000K | 70 | | | 1878 | 2134 | 169 | | |
| BXRC-50E1001-C-74 | | | 80 | | | 1765 | 2006 | 159 | | |
| BXRC-50G1001-C-74 | | | 90 | | | 1502 | 1707 | 135 | | |
| BXRC-57C1001-C-74 | | 5700K | 70 | | | 1812 | 2059 | 163 | | |
| BXRC-57E1001-C-74 | | | 80 | | | 1796 | 2040 | 162 | | |
| BXRC-65C1001-C-74 | | 6500K | 70 | | | 1845 | 2097 | 166 | | |
| BXRC-65E1001-C-74 | | | 80 | | | 1829 | 2078 | 165 | | |





| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Pulsed Flux (lm) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXRC-20B1001-D-73 | Warm-White | 2000K | 65 | Current: 350mA Tj = Tc = 25°C | 26 | 1130 | 1284 | 141 | 9.1 | Current: 700mA LED Junction Temperature: 125°C |
| BXRC-27E1000-D-7X | | 2700K | 80 | | | 1153 | 1310 | 144 | | |
| BXRC-27G1000-D-7X | | | 90 | | | 961 | 1092 | 120 | | |
| BXRC-27H1000-D-7X | | | 97 typ | | | 842 | 956 | 105 | | |
| BXRC-30E1000-D-7X | | 3000K | 80 | | | 1201 | 1365 | 150 | | |
| BXRC-30G1000-D-7X | | | 90 | | | 997 | 1133 | 125 | | |
| BXRC-30G100C-D-73 | | | 90 | | | 929 | 1056 | 116 | | |
| BXRC-30H1000-D-7X | | | 97 typ | | | 901 | 1024 | 113 | | |
| BXRC-30A1001-D-73 | | | 93 typ | | | 929 | 1056 | 116 | | |
| BXRC-35E1000-D-7X | | 3500K | 80 | | | 1237 | 1406 | 155 | | |
| BXRC-35G1000-D-7X | | | 90 | | | 1033 | 1174 | 129 | | |
| BXRC-35A1001-D-73 | | | 93 typ | | | 1001 | 1138 | 125 | | |
| BXRC-40E1000-D-7X | Neutral-White | 4000K | 80 | | | 1249 | 1420 | 156 | | |
| BXRC-40G1000-D-7X | | | 90 | | | 1069 | 1215 | 134 | | |
| BXRC-40A1001-D-73 | | | 93 typ | | | 1065 | 1210 | 133 | | |
| BXRC-50C1001-D-74 | Cool-White | 5000K | 70 | | | 1369 | 1556 | 171 | | |
| BXRC-50E1001-D-74 | | | 80 | | | 1287 | 1463 | 161 | | |
| BXRC-50G1001-D-74 | | | 90 | | | 1095 | 1245 | 137 | | |
| BXRC-57C1001-D-74 | | 5700K | 70 | | | 1321 | 1502 | 165 | | |
| BXRC-57E1001-D-74 | | | 80 | | | 1309 | 1488 | 164 | | |
| BXRC-65C1001-D-74 | | 6500K | 70 | | | 1345 | 1529 | 168 | | |
| BXRC-65E1001-D-74 | | | 80 | | | 1333 | 1515 | 167 | | |

## BRIDGELUX VERO 13-GEN7

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Pulsed Flux (lm) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXRC-27E2000-B-7X | Warm-White | 2700K | 80 | Current: 450mA Tj = Tc = 25°C | 35.0 | 2090 | 2323 | 147 | 15.8 | Current: 900mA LED Junction Temperature: 125°C |
| BXRC-27G2000-B-7X | | | 90 | | | 1742 | 1936 | 123 | | |
| BXRC-27H2000-B-7X | | | 97 typ | | | 1529 | 1698 | 107 | | |
| BXRC-30E2000-B-7X | | 3000K | 80 | | | 2178 | 2441 | 155 | | |
| BXRC-30G2000-B-7X | | | 90 | | | 1807 | 2008 | 127 | | |
| BXRC-30G200C-B-73 | | | 90 | | | 1706 | 1896 | 120 | | |
| BXRC-30H2000-B-7X | | | 97 typ | | | 1633 | 1814 | 115 | | |
| BXRC-30A2001-B-73 | | | 93 typ | | | 1686 | 1873 | 119 | | |
| BXRC-35E2000-B-7X | | 3500K | 80 | | | 2243 | 2492 | 158 | | |
| BXRC-35G2000-B-7X | | | 90 | | | 1873 | 2081 | 132 | | |
| BXRC-35A2001-B-73 | | | 93 typ | | | 1812 | 2014 | 127 | | |
| BXRC-40E2000-B-7X | Neutral-White | 4000K | 80 | | | 2265 | 2516 | 159 | | |
| BXRC-40G2000-B-7X | | | 90 | | | 1938 | 2153 | 136 | | |
| BXRC-40A2001-B-73 | | | 93 typ | | | 1939 | 2154 | 136 | | |
| BXRC-50C2001-B-74 | Cool-White | 5000K | 70 | | | 2482 | 2758 | 175 | | |
| BXRC-50E2001-B-74 | | | 80 | | | 2334 | 2593 | 164 | | |
| BXRC-50G2001-B-74 | | | 90 | | | 1986 | 2207 | 140 | | |
| BXRC-57C2001-B-74 | | 5700K | 70 | | | 2395 | 2662 | 168 | | |
| BXRC-57E2001-B-74 | | | 80 | | | 2374 | 2637 | 167 | | |
| BXRC-65C2001-B-74 | | 6500K | 70 | | | 2439 | 2710 | 172 | | |
| BXRC-65E2001-B-74 | | | 80 | | | 2417 | 2686 | 170 | | |
| BXRC-27E2000-C-7X | Warm-White | 2700K | 80 | Current: 630mA Tj = Tc = 25°C | 35 | 2926 | 3251 | 147 | 22.1 | Current: 1260mA LED Junction Temperature: 125°C |
| BXRC-27G2000-C-7X | | | 90 | | | 2438 | 2709 | 123 | | |
| BXRC-27H2000-C-7X | | | 97 typ | | | 2140 | 2377 | 108 | | |
| BXRC-30E2000-C-7X | | 3000K | 80 | | | 3048 | 3418 | 155 | | |
| BXRC-30G2000-C-7X | | | 90 | | | 2530 | 2811 | 127 | | |
| BXRC-30H2000-C-7X | | | 97 typ | | | 2286 | 2540 | 115 | | |
| BXRC-30A2001-C-73 | | | 93 typ | | | 2360 | 2622 | 119 | | |
| BXRC-35E2000-C-7X | | 3500K | 80 | | | 3140 | 3488 | 158 | | |
| BXRC-35G2000-C-7X | | | 90 | | | 2621 | 2913 | 132 | | |
| BXRC-35A2001-C-73 | | | 93 typ | | | 2537 | 2819 | 128 | | |
| BXRC-40E2000-C-7X | Neutral-White | 4000K | 80 | | | 3170 | 3522 | 159 | | |
| BXRC-40G2000-C-7X | | | 90 | | | 2713 | 3014 | 136 | | |
| BXRC-40A2001-C-73 | | | 93 typ | | | 2714 | 3015 | 136 | | |
| BXRC-50C2001-C-74 | Cool-White | 5000K | 70 | | | 3475 | 3861 | 175 | | |
| BXRC-50E2001-C-74 | | | 80 | | | 3266 | 3629 | 164 | | |
| BXRC-50G2001-C-74 | | | 90 | | | 2780 | 3089 | 140 | | |
| BXRC-57C2001-C-74 | | 5700K | 70 | | | 3353 | 3725 | 169 | | |
| BXRC-57E2001-C-74 | | | 80 | | | 3322 | 3692 | 167 | | |
| BXRC-65C2001-C-74 | | 6500K | 70 | | | 3414 | 3793 | 172 | | |
| BXRC-65E2001-C-74 | | | 80 | | | 3383 | 3759 | 170 | | |



| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Pulsed Flux (lm) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXRC-27E2000-D-7X | Warm-White | 2700K | 80 | Current: 500mA Tj = Tc = 25°C | 31.8 | 2129 | 2365 | 149 | 15.9 | Current: 1000mA LED Junction Temperature: 125°C |
| BXRC-27G2000-D-7X | | | 90 | | | 1774 | 1971 | 124 | | |
| BXRC-27H2000-D-7X | | | 97 typ | | | 1557 | 1730 | 109 | | |
| BXRC-30E2000-D-7X | | 3000K | 80 | | | 2217 | 2480 | 156 | | |
| BXRC-30G2000-D-7X | | | 90 | | | 1840 | 2045 | 129 | | |
| BXRC-30G200C-D-73 | | | 90 | | | 1717 | 1908 | 120 | | |
| BXRC-30H2000-D-7X | | | 97 typ | | | 1663 | 1848 | 116 | | |
| BXRC-30A2001-D-73 | | | 93 typ | | | 1717 | 1907 | 120 | | |
| BXRC-35E2000-D-7X | | 3500K | 80 | | | 2284 | 2538 | 160 | | |
| BXRC-35G2000-D-7X | | | 90 | | | 1907 | 2119 | 133 | | |
| BXRC-35A2001-D-73 | | | 93 typ | | | 1845 | 2050 | 129 | | |
| BXRC-40E2000-D-7X | Neutral-White | 4000K | 80 | | | 2306 | 2562 | 161 | | |
| BXRC-40G2000-D-7X | | | 90 | | | 1973 | 2193 | 138 | | |
| BXRC-40A2001-D-73 | | | 93 typ | | | 1975 | 2194 | 138 | | |
| BXRC-50C2001-D-74 | Cool-White | 5000K | 70 | | | 2528 | 2809 | 177 | | |
| BXRC-50E2001-D-74 | | | 80 | | | 2376 | 2640 | 166 | | |
| BXRC-50G2001-D-74 | | | 90 | | | 2022 | 2247 | 141 | | |
| BXRC-57C2001-D-74 | | 5700K | 70 | | | 2439 | 2710 | 170 | | |
| BXRC-57E2001-D-74 | | | 80 | | | 2417 | 2685 | 169 | | |
| BXRC-65C2001-D-74 | | 6500K | 70 | | | 2483 | 2759 | 174 | | |
| BXRC-65E2001-D-74 | | | 80 | | | 2461 | 2735 | 172 | | |

## BRIDGELUX VERO 18-GEN7

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Pulsed Flux (lm) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXRC-17E4000-B-74 | Warm-White | 1750K | 80 | Current: 900mA Tj = Tc = 25°C | 35.0 | 2416 | 2684 | 85 | 31.5 | Current: 1800mA LED Junction Temperature: 125°C |
| BXRC-25E4000-B-74 | | 2500K | 80 | | | 3904 | 4338 | 138 | | |
| BXRC-27E4000-B-7X | | 2700K | 80 | | | 4180 | 4644 | 147 | | |
| BXRC-27G4000-B-7X | | | 90 | | | 3483 | 3870 | 123 | | |
| BXRC-27H4000-B-7X | | | 97 typ | | | 3056 | 3396 | 108 | | |
| BXRC-30E4000-B-7X | | 3000K | 80 | | | 4354 | 4838 | 154 | | |
| BXRC-30G4000-B-7X | | | 90 | | | 3614 | 4015 | 127 | | |
| BXRC-30G400C-B-73 | | | 90 | | | 3402 | 3780 | 120 | | |
| BXRC-30H4000-B-7X | | | 97 typ | | | 3265 | 3628 | 115 | | |
| BXRC-30A4001-B-73 | | | 93 typ | | | 3371 | 3745 | 119 | | |
| BXRC-35E4000-B-7X | | 3500K | 80 | | | 4484 | 4983 | 158 | | |
| BXRC-35G4000-B-7X | | | 90 | | | 3744 | 4160 | 132 | | |
| BXRC-35A4001-B-73 | | | 93 typ | | | 3623 | 4026 | 128 | | |
| BXRC-40E4000-B-7X | Neutral-White | 4000K | 80 | | | 4528 | 5031 | 160 | | |
| BXRC-40G4000-B-7X | | | 90 | | | 3875 | 4305 | 137 | | |
| BXRC-40A4001-B-73 | | | 93 typ | | | 3876 | 4307 | 137 | | |
| BXRC-50C4001-B-74 | Cool-White | 5000K | 70 | | | 4963 | 5515 | 175 | | |
| BXRC-50E4001-B-74 | | | 80 | | | 4666 | 5184 | 165 | | |
| BXRC-50G4001-B-74 | | | 90 | | | 3971 | 4412 | 140 | | |
| BXRC-56G4000-B-74 | | 5600K | 80 | | | 4157 | 4619 | 147 | | |
| BXRC-57C4001-B-74 | | 5700K | 70 | | | 4789 | 5321 | 169 | | |
| BXRC-57E4001-B-74 | | | 80 | | | 4746 | 5273 | 167 | | |
| BXRC-65C4001-B-74 | | 6500K | 70 | | | 4876 | 5418 | 172 | | |
| BXRC-65E4001-B-74 | | | 80 | | | 4833 | 5370 | 170 | | |
| BXRC-17E4000-C-74 | Warm-White | 1750K | 80 | Current: 1170mA Tj = Tc = 25°C | 35.0 | 3141 | 3490 | 85 | 41 | Current: 2340mA LED Junction Temperature: 125°C |
| BXRC-20B4001-C-73 | | 2000K | 65 | | | 5351 | 5945 | 145 | | |
| BXRC-25E4000-C-74 | | 2500K | 80 | | | 5077 | 5641 | 138 | | |
| BXRC-27E4000-C-7X | | 2700K | 80 | | | 5434 | 6038 | 147 | | |
| BXRC-27G4000-C-7X | | | 90 | | | 4529 | 5032 | 123 | | |
| BXRC-27H4000-C-7X | | | 97 typ | | | 3974 | 4416 | 108 | | |
| BXRC-30E4000-C-7X | | 3000K | 80 | | | 5661 | 6347 | 155 | | |
| BXRC-30G4000-C-7X | | | 90 | | | 4699 | 5221 | 127 | | |
| BXRC-30H4000-C-7X | | | 97 typ | | | 4245 | 4718 | 115 | | |
| BXRC-30A4001-C-73 | | | 93 typ | | | 4383 | 4870 | 119 | | |
| BXRC-35E4000-C-7X | | 3500K | 80 | | | 5831 | 6479 | 158 | | |
| BXRC-35G4000-C-7X | | | 90 | | | 4868 | 5409 | 132 | | |
| BXRC-35A4001-C-73 | | | 93 typ | | | 4711 | 5235 | 128 | | |
| BXRC-40E4000-C-7X | Neutral-White | 4000K | 80 | | | 5887 | 6541 | 160 | | |
| BXRC-40G4000-C-7X | | | 90 | | | 5038 | 5598 | 137 | | |
| BXRC-40A4001-C-73 | | | 93 typ | | | 5040 | 5600 | 137 | | |
| BXRC-50C4001-C-74 | Cool-White | 5000K | 70 | | | 6453 | 7170 | 175 | | |
| BXRC-50E4001-C-74 | | | 80 | | | 6066 | 6740 | 164 | | |
| BXRC-50G4001-C-74 | | | 90 | | | 5163 | 5736 | 140 | | |
| BXRC-56G4000-C-74 | | 5600K | 80 | | | 5405 | 6006 | 146 | | |
| BXRC-57C4001-C-74 | | 5700K | 70 | | | 6227 | 6919 | 169 | | |
| BXRC-57E4001-C-74 | | | 80 | | | 6170 | 6856 | 167 | | |
| BXRC-65C4001-C-74 | | 6500K | 70 | | | 6340 | 7045 | 172 | | |
| BXRC-65E4001-C-74 | | | 80 | | | 6284 | 6982 | 170 | | |



| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Pulsed Flux (lm) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXRC-17E4000-D-74 | Warm-White | 1750K | 80 | Current: 1050mA Tj = Tc = 25°C | 29.0 | 2349 | 2610 | 86 | 30.5 | Current: 2100mA LED Junction Temperature: 125°C |
| BXRC-20B4001-D-73 | | 2000K | 65 | | | 3981 | 4423 | 145 | | |
| BXRC-25E4000-D-74 | | 2500K | 80 | | | 3796 | 4218 | 138 | | |
| BXRC-27E4000-D-7X | | 2700K | 80 | | | 4064 | 4515 | 148 | | |
| BXRC-27G4000-D-7X | | | 90 | | | 3387 | 3763 | 123 | | |
| BXRC-27H4000-D-7X | | | 97 typ | | | 2971 | 3302 | 108 | | |
| BXRC-30E4000-D-7X | | 3000K | 80 | | | 4233 | 4720 | 155 | | |
| BXRC-30G4000-D-7X | | | 90 | | | 3513 | 3904 | 128 | | |
| BXRC-30G400C-D-73 | | | 90 | | | 3289 | 3654 | 120 | | |
| BXRC-30H4000-D-7X | | | 97 typ | | | 3175 | 3527 | 116 | | |
| BXRC-30A4001-D-73 | | | 93 typ | | | 3277 | 3641 | 119 | | |
| BXRC-35E4000-D-7X | | 3500K | 80 | | | 4360 | 4845 | 159 | | |
| BXRC-35G4000-D-7X | | | 90 | | | 3640 | 4045 | 133 | | |
| BXRC-35A4001-D-73 | | | 93 typ | | | 3523 | 3915 | 128 | | |
| BXRC-40E4000-D-7X | Neutral-White | 4000K | 80 | | | 4402 | 4892 | 160 | | |
| BXRC-40G4000-D-7X | | | 90 | | | 3767 | 4186 | 137 | | |
| BXRC-40A4001-D-73 | | | 93 typ | | | 3769 | 4188 | 137 | | |
| BXRC-50C4001-D-74 | Cool-White | 5000K | 70 | | | 4826 | 5362 | 176 | | |
| BXRC-50E4001-D-74 | | | 80 | | | 4536 | 5040 | 165 | | |
| BXRC-50G4001-D-74 | | | 90 | | | 3861 | 4290 | 141 | | |
| BXRC-56G4000-D-74 | | 5600K | 80 | | | 4042 | 4491 | 147 | | |
| BXRC-57C4001-D-74 | | 5700K | 70 | | | 4656 | 5174 | 170 | | |
| BXRC-57E4001-D-74 | | | 80 | | | 4614 | 5127 | 168 | | |
| BXRC-65C4001-D-74 | | 6500K | 70 | | | 4741 | 5268 | 173 | | |
| BXRC-65E4001-D-74 | | | 80 | | | 4699 | 5221 | 171 | | |

## BRIDGELUX VERO 29-GEN7

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Pulsed Flux (lm) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXRC-17E10K0-B-74 | Warm-White | 1750K | 80 | Current: 1800mA Tj = Tc = 25°C | 52.0 | 7248 | 8053 | 86 | 93.6 | Current: 3600mA LED Junction Temperature: 125°C |
| BXRC-25E10K0-B-74 | | 2500K | 80 | | | 11714 | 13016 | 139 | | |
| BXRC-27E10K0-B-7X | | 2700K | 80 | | | 12540 | 13934 | 149 | | |
| BXRC-27G10K0-B-7X | | | 90 | | | 10450 | 11611 | 124 | | |
| BXRC-30E10K0-B-7X | | 3000K | 80 | | | 13063 | 14514 | 155 | | |
| BXRC-30G10K0-B-7X | | | 90 | | | 10842 | 12047 | 129 | | |
| BXRC-30A10K1-B-73 | | | 93 TYP | | | 10113 | 11237 | 120 | | |
| BXRC-35E10K0-B-7X | | 3500K | 80 | | | 13455 | 14950 | 160 | | |
| BXRC-35G10K0-B-7X | | | 90 | | | 11234 | 12482 | 133 | | |
| BXRC-35A10K1-B-73 | | | 93 TYP | | | 10872 | 12080 | 129 | | |
| BXRC-40E10K0-B-7X | Neutral-White | 4000K | 80 | | | 13585 | 15095 | 161 | | |
| BXRC-40G10K0-B-7X | | | 90 | | | 11626 | 12918 | 138 | | |
| BXRC-40A10K1-B-73 | | | 93 TYP | | | 11630 | 12922 | 138 | | |
| BXRC-50C10K1-B-74 | Cool-White | 5000K | 70 | | | 14892 | 16546 | 177 | | |
| BXRC-50E10K1-B-74 | | | 80 | | | 13998 | 15553 | 166 | | |
| BXRC-50G10K1-B-74 | | | 90 | | | 11913 | 13237 | 141 | | |
| BXRC-56G10K0-B-74 | | 5600K | 80 | | | 12473 | 13859 | 148 | | |
| BXRC-57C10K1-B-74 | | 5700K | 70 | | | 14369 | 15966 | 171 | | |
| BXRC-57E10K1-B-74 | | | 80 | | | 14238 | 15820 | 169 | | |
| BXRC-65C10K1-B-74 | | 6500K | 70 | | | 14630 | 16256 | 174 | | |
| BXRC-65E10K1-B-74 | | | 80 | | | 14500 | 16111 | 172 | | |
| BXRC-17E10K0-C-74 | Warm-White | 1750K | 80 | Current: 1710mA Tj = Tc = 25°C | 69.4 | 9180 | 10200 | 86 | 118.7 | Current: 3420mA LED Junction Temperature: 125°C |
| BXRC-20B10K1-C-73 | | 2000K | 65 | | | 15478 | 17198 | 145 | | |
| BXRC-25E10K0-C-74 | | 2500K | 80 | | | 14838 | 16487 | 139 | | |
| BXRC-27E10K0-C-7X | | 2700K | 80 | | | 15884 | 17649 | 149 | | |
| BXRC-27G10K0-C-7X | | | 90 | | | 13237 | 14708 | 124 | | |
| BXRC-30E10K0-C-7X | | 3000K | 80 | | | 16546 | 18385 | 155 | | |
| BXRC-30G10K0-C-7X | | | 90 | | | 13733 | 15259 | 129 | | |
| BXRC-30A10K1-C-73 | | | 93 TYP | | | 12810 | 14233 | 120 | | |
| BXRC-35E10K0-C-7X | | 3500K | 80 | | | 17042 | 18936 | 160 | | |
| BXRC-35G10K0-C-7X | | | 90 | | | 14230 | 15811 | 133 | | |
| BXRC-35A10K1-C-73 | | | 93 TYP | | | 13771 | 15301 | 129 | | |
| BXRC-40E10K0-C-7X | Neutral-White | 4000K | 80 | | | 17208 | 19120 | 161 | | |
| BXRC-40G10K0-C-7X | | | 90 | | | 14726 | 16362 | 138 | | |
| BXRC-40A10K1-C-73 | | | 93 TYP | | | 14731 | 16368 | 138 | | |
| BXRC-50C10K1-C-74 | Cool-White | 5000K | 70 | | | 18863 | 20958 | 177 | | |
| BXRC-50E10K1-C-74 | | | 80 | | | 17731 | 19701 | 166 | | |
| BXRC-50G10K1-C-74 | | | 90 | | | 15090 | 16767 | 141 | | |
| BXRC-56G10K0-C-74 | | 5600K | 80 | | | 15799 | 17554 | 148 | | |
| BXRC-57C10K1-C-74 | | 5700K | 70 | | | 18201 | 20223 | 170 | | |
| BXRC-57E10K1-C-74 | | | 80 | | | 18035 | 20039 | 169 | | |
| BXRC-65C10K1-C-74 | | 6500K | 70 | | | 18532 | 20591 | 173 | | |
| BXRC-65E10K1-C-74 | | | 80 | | | 18366 | 20407 | 172 | | |





| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Pulsed Flux (lm) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXRC-17E10K0-D-74 | Warm-White | 1750K | 80 | Current: 2100mA Tj = Tc = 25°C | 37.6 | 6107 | 6785 | 86 | 79 | Current: 4200mA LED Junction Temperature: 125°C |
| BXRC-20B10K1-D-73 | | 2000K | 65 | | | 10296 | 11440 | 145 | | |
| BXRC-25E10K0-D-74 | | 2500K | 80 | | | 9870 | 10967 | 139 | | |
| BXRC-27E10K0-D-7X | | 2700K | 80 | | | 10566 | 11740 | 149 | | |
| BXRC-27G10K0-D-7X | | | 90 | | | 8805 | 9784 | 124 | | |
| BXRC-30E10K0-D-7X | | 3000K | 80 | | | 11007 | 12597 | 159 | | |
| BXRC-30G10K0-D-7X | | | 90 | | | 9135 | 10150 | 128 | | |
| BXRC-30A10K1-D-73 | | | 93 TYP | | | 8521 | 9468 | 120 | | |
| BXRC-35E10K0-D-7X | | 3500K | 80 | | | 11337 | 12596 | 159 | | |
| BXRC-35G10K0-D-7X | | | 90 | | | 9466 | 10517 | 133 | | |
| BXRC-35A10K1-D-73 | | | 93 TYP | | | 9160 | 10178 | 129 | | |
| BXRC-40E10K0-D-7X | Neutral-White | 4000K | 80 | | | 11447 | 12719 | 161 | | |
| BXRC-40G10K0-D-7X | | | 90 | | | 9796 | 10884 | 138 | | |
| BXRC-40A10K1-D-73 | | | 93 TYP | | | 9799 | 10888 | 138 | | |
| BXRC-50C10K1-D-74 | Cool-White | 5000K | 70 | | | 12547 | 13942 | 176 | | |
| BXRC-50E10K1-D-74 | | | 80 | | | 11795 | 13105 | 166 | | |
| BXRC-50G10K1-D-74 | | | 90 | | | 10038 | 11153 | 141 | | |
| BXRC-56G10K0-D-74 | | 5600K | 80 | | | 10509 | 11677 | 148 | | |
| BXRC-57C10K1-D-74 | | 5700K | 70 | | | 12107 | 13452 | 170 | | |
| BXRC-57E10K1-D-74 | | | 80 | | | 11997 | 13330 | 169 | | |
| BXRC-65C10K1-D-74 | | 6500K | 70 | | | 12327 | 13697 | 173 | | |
| BXRC-65E10K1-D-74 | | | 80 | | | 12217 | 13575 | 172 | | |

## CONNECTORS-BRIDGELUX VERO SERIES

| Manufacturer | Part Number | Length (mm) | Length (inches) | Description |
|---|---|---|---|---|
| Molex | 68801-4146 | 152.5 | 6 | Pico-EZmate™-to-Pigtail harness for Vero 28 AWG x 6" |
| | 68801-4147 | 305 | 12 | Pico-EZmate™-to-Pigtail harness for Vero 28 AWG x 12" |
| | 68801-4227 | 458 | 18 | Pico-EZmate™-to-Pigtail harness for Vero 28 AWG x 18" |
| | 68801-4084 | 152.5 | 6 | Pico-EZmate™-to-Pigtail harness for Vero 28 AWG fused/20 AWG pigtails stripped x 6" |
| | 68801-4085 | 305 | 12 | Pico-EZmate™-to-Pigtail harness for Vero 28 AWG fused/20 AWG pigtails stripped x 12" |
| | 68801-4228 | 458 | 18 | Pico-EZmate™-to-Pigtail harness for Vero 28 AWG fused/20 AWG pigtails stripped x 18" |
| | 68801-4226 | 152.5 | 6 | Pico-EZmate™-to-Pigtail harness for Vero 28 AWG fused/18 AWG pigtails stripped x 6" |
| | 68801-4225 | 305 | 12 | Pico-EZmate™-to-Pigtail harness for Vero 28 AWG fused/18 AWG pigtails stripped x 12" |
| | 68801-4229 | 458 | 18 | Pico-EZmate™-to-Pigtail harness for Vero 28 AWG fused/18 AWG pigtails stripped x 18" |

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## BRIDGELUX VERO SE 10

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Pulsed Flux (lm) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXRC-20B1001-B-73-SE | Warm-White | 2000K | 65 | Current: 270mA Tj = Tc = : 25°C | 35.0 | 1136 | 1291 | 137 | 9.5 | Current: 540mA LED Junction Temperature: 125°C |
| BXRC-27E1000-B-7X-SE | | 2700K | 80 | | | 1154 | 1311 | 138 | | |
| BXRC-27G1000-B-7X-SE | | | 90 | | | 961 | 1092 | 115 | | |
| BXRC-27H1000-B-7X-SE | | | 97 typ | | | 842 | 956 | 101 | | |
| BXRC-30E1000-B-7X-SE | | 3000K | 80 | | | 1201 | 1378 | 145 | | |
| BXRC-30G1000-B-7X-SE | | | 90 | | | 997 | 1133 | 119 | | |
| BXRC-30G100C-B-73-SE | | | 90 | | | 934 | 1061 | 112 | | |
| BXRC-30H1000-B-7X-SE | | | 97 typ | | | 901 | 1024 | 108 | | |
| BXRC-30A1001-B-73-SE | | | 93 typ | | | 929 | 1056 | 111 | | |
| BXRC-35E1000-B-7X-SE | | 3500K | 80 | | | 1237 | 1406 | 148 | | |
| BXRC-35G1000-B-7X-SE | | | 90 | | | 1033 | 1174 | 124 | | |
| BXRC-35A1001-B-73-SE | | | 93 typ | | | 1001 | 1137 | 120 | | |
| BXRC-40E1000-B-7X-SE | Neutral-White | 4000K | 80 | | | 1249 | 1420 | 149 | | |
| BXRC-40G1000-B-7X-SE | | | 90 | | | 1069 | 1215 | 128 | | |
| BXRC-40A1001-B-73-SE | | | 93 typ | | | 1065 | 1210 | 127 | | |
| BXRC-50C1001-B-74-SE | Cool-White | 5000K | 70 | | | 1370 | 1556 | 164 | | |
| BXRC-50E1001-B-74-SE | | | 80 | | | 1287 | 1463 | 154 | | |
| BXRC-50G1001-B-74-SE | | | 90 | | | 1095 | 1245 | 131 | | |
| BXRC-57C1001-B-74-SE | | 5700K | 70 | | | 1322 | 1502 | 158 | | |
| BXRC-57E1001-B-74-SE | | | 80 | | | 1309 | 1488 | 157 | | |
| BXRC-65C1001-B-74-SE | | 6500K | 70 | | | 1345 | 1529 | 161 | | |
| BXRC-65E1001-B-74-SE | | | 80 | | | 1334 | 1515 | 160 | | |
| BXRC-27E1000-C-7X-SE | Warm-White | 2700K | 80 | Current: 360mA Tj = Tc = : 25°C | 35.0 | 1537 | 1747 | 139 | 12.6 | Current: 720mA LED Junction Temperature: 125°C |
| BXRC-27G1000-C-7X-SE | | | 90 | | | 1281 | 1456 | 116 | | |
| BXRC-27H1000-C-7X-SE | | | 97 typ | | | 1122 | 1275 | 101 | | |
| BXRC-30E1000-C-7X-SE | | 3000K | 80 | | | 1601 | 1837 | 146 | | |
| BXRC-30G1000-C-7X-SE | | | 90 | | | 1329 | 1510 | 120 | | |
| BXRC-30H1000-C-7X-SE | | | 97 typ | | | 1201 | 1365 | 108 | | |
| BXRC-30A1001-C-73-SE | | | 93 typ | | | 1238 | 1407 | 112 | | |
| BXRC-35E1000-C-7X-SE | | 3500K | 80 | | | 1649 | 1874 | 149 | | |
| BXRC-35G1000-C-7X-SE | | | 90 | | | 1377 | 1565 | 124 | | |
| BXRC-35A1001-C-73-SE | | | 93 typ | | | 1335 | 1516 | 120 | | |
| BXRC-40E1000-C-7X-SE | Neutral-White | 4000K | 80 | | | 1665 | 1892 | 150 | | |
| BXRC-40G1000-C-7X-SE | | | 90 | | | 1425 | 1619 | 129 | | |
| BXRC-40A1001-C-73-SE | | | 93 typ | | | 1420 | 1614 | 128 | | |
| BXRC-50C1001-C-74-SE | Cool-White | 5000K | 70 | | | 1825 | 2074 | 165 | | |
| BXRC-50E1001-C-74-SE | | | 80 | | | 1716 | 1950 | 155 | | |
| BXRC-50G1001-C-74-SE | | | 90 | | | 1460 | 1659 | 132 | | |
| BXRC-57C1001-C-74-SE | | 5700K | 70 | | | 1761 | 2002 | 159 | | |
| BXRC-57E1001-C-74-SE | | | 80 | | | 1746 | 1983 | 157 | | |
| BXRC-65C1001-C-74-SE | | 6500K | 70 | | | 1793 | 2038 | 162 | | |
| BXRC-65E1001-C-74-SE | | | 80 | | | 1778 | 2020 | 160 | | |



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| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Pulsed Flux (lm) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXRC-20B1001-D-73-SE | Warm-White | 2000K | 65 | Current: 350mA Tj = Tc = : 25°C | 26 | 1098 | 1291 | 137 | 9.1 | Current: 700mA LED Junction Temperature: 125°C |
| BXRC-27E1000-D-7X-SE | | 2700K | 80 | | | 1121 | 1274 | 140 | | |
| BXRC-27G1000-D-7X-SE | | | 90 | | | 934 | 1061 | 117 | | |
| BXRC-27H1000-D-7X-SE | | | 97 typ | | | 818 | 929 | 102 | | |
| BXRC-30E1000-D-7X-SE | | 3000K | 80 | | | 1167 | 1327 | 146 | | |
| BXRC-30G1000-D-7X-SE | | | 90 | | | 969 | 1101 | 121 | | |
| BXRC-30G100C-D-73-SE | | | 90 | | | 903 | 1026 | 113 | | |
| BXRC-30H1000-D-7X-SE | | | 97 typ | | | 876 | 995 | 109 | | |
| BXRC-30A1001-D-73-SE | | | 93 typ | | | 903 | 1026 | 113 | | |
| BXRC-35E1000-D-7X-SE | | 3500K | 80 | | | 1202 | 1367 | 150 | | |
| BXRC-35G1000-D-7X-SE | | | 90 | | | 1004 | 1141 | 125 | | |
| BXRC-35A1001-D-73-SE | | | 93 typ | | | 973 | 1106 | 122 | | |
| BXRC-40E1000-D-7X-SE | Neutral-White | 4000K | 80 | | | 1214 | 1380 | 152 | | |
| BXRC-40G1000-D-7X-SE | | | 90 | | | 1039 | 1181 | 130 | | |
| BXRC-40A1001-D-73-SE | | | 93 typ | | | 1035 | 1176 | 129 | | |
| BXRC-50C1001-D-74-SE | Cool-White | 5000K | 70 | | | 1331 | 1513 | 166 | | |
| BXRC-50E1001-D-74-SE | | | 80 | | | 1251 | 1422 | 156 | | |
| BXRC-50G1001-D-74-SE | | | 90 | | | 1064 | 1210 | 133 | | |
| BXRC-57C1001-D-74-SE | | 5700K | 70 | | | 1284 | 1459 | 160 | | |
| BXRC-57E1001-D-74-SE | | | 80 | | | 1272 | 1446 | 159 | | |
| BXRC-65C1001-D-74-SE | | 6500K | 70 | | | 1307 | 1486 | 163 | | |
| BXRC-65E1001-D-74-SE | | | 80 | | | 1296 | 1473 | 162 | | |

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## BRIDGELUX VERO SE 13

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Pulsed Flux (lm) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXRC-20B2001-B-73-SE | Warm-White | 2000K | 65 | Current: 450mA Tj = Tc = : 25°C | 35.0 | 1997 | 2219 | 141 | 15.8 | Current: 900mA LED Junction Temperature: 125°C |
| BXRC-27E2000-B-7X-SE | | 2700K | 80 | | | 2048 | 2276 | 144 | | |
| BXRC-27G2000-B-7X-SE | | | 90 | | | 1707 | 1897 | 120 | | |
| BXRC-27H2000-B-7X-SE | | | 97 typ | | | 1498 | 1664 | 105 | | |
| BXRC-30E2000-B-7X-SE | | 3000K | 80 | | | 2134 | 2392 | 151 | | |
| BXRC-30G2000-B-7X-SE | | | 90 | | | 1771 | 1968 | 125 | | |
| BXRC-30G200C-B-73-SE | | | 90 | | | 1672 | 1858 | 118 | | |
| BXRC-30H2000-B-7X-SE | | | 97 typ | | | 1600 | 1778 | 113 | | |
| BXRC-30A2001-B-73-SE | | | 93 typ | | | 1652 | 1836 | 116 | | |
| BXRC-35E2000-B-7X-SE | | 3500K | 80 | | | 2198 | 2442 | 155 | | |
| BXRC-35G2000-B-7X-SE | | | 90 | | | 1836 | 2039 | 129 | | |
| BXRC-35A2001-B-73-SE | | | 93 typ | | | 1776 | 1974 | 125 | | |
| BXRC-40E2000-B-7X-SE | Neutral-White | 4000K | 80 | | | 2220 | 2466 | 156 | | |
| BXRC-40G2000-B-7X-SE | | | 90 | | | 1899 | 2110 | 134 | | |
| BXRC-40A2001-B-73-SE | | | 93 typ | | | 1900 | 2111 | 134 | | |
| BXRC-50C2001-B-74-SE | Cool-White | 5000K | 70 | | | 2432 | 2703 | 171 | | |
| BXRC-50E2001-B-74-SE | | | 80 | | | 2287 | 2541 | 161 | | |
| BXRC-50G2001-B-74-SE | | | 90 | | | 1946 | 2162 | 137 | | |
| BXRC-57C2001-B-74-SE | | 5700K | 70 | | | 2347 | 2608 | 165 | | |
| BXRC-57E2001-B-74-SE | | | 80 | | | 2327 | 2585 | 164 | | |
| BXRC-65C2001-B-74-SE | | 6500K | 70 | | | 2390 | 2656 | 168 | | |
| BXRC-65E2001-B-74-SE | | | 80 | | | 2369 | 2632 | 167 | | |
| BXRC-20B2001-C-73-SE | Warm-White | 2000K | 65 | Current: 630mA Tj = Tc = : 25°C | 35.0 | 2795 | 3106 | 141 | 22.1 | Current: 1260mA LED Junction Temperature: 125°C |
| BXRC-27E2000-C-7X-SE | | 2700K | 80 | | | 2867 | 3186 | 144 | | |
| BXRC-27G2000-C-7X-SE | | | 90 | | | 2389 | 2655 | 120 | | |
| BXRC-27H2000-C-7X-SE | | | 97 typ | | | 2097 | 2330 | 105 | | |
| BXRC-30E2000-C-7X-SE | | 3000K | 80 | | | 2987 | 3349 | 152 | | |
| BXRC-30G2000-C-7X-SE | | | 90 | | | 2479 | 2755 | 125 | | |
| BXRC-30H2000-C-7X-SE | | | 97 typ | | | 2240 | 2489 | 113 | | |
| BXRC-30A2001-C-73-SE | | | 93 typ | | | 2313 | 2570 | 116 | | |
| BXRC-35E2000-C-7X-SE | | 3500K | 80 | | | 3077 | 3419 | 155 | | |
| BXRC-35G2000-C-7X-SE | | | 90 | | | 2569 | 2854 | 129 | | |
| BXRC-35A2001-C-73-SE | | | 93 typ | | | 2486 | 2763 | 125 | | |
| BXRC-40E2000-C-7X-SE | Neutral-White | 4000K | 80 | | | 3107 | 3452 | 156 | | |
| BXRC-40G2000-C-7X-SE | | | 90 | | | 2659 | 2954 | 134 | | |
| BXRC-40A2001-C-73-SE | | | 93 typ | | | 2660 | 2955 | 134 | | |
| BXRC-50C2001-C-74-SE | Cool-White | 5000K | 70 | | | 3406 | 3784 | 171 | | |
| BXRC-50E2001-C-74-SE | | | 80 | | | 3201 | 3557 | 161 | | |
| BXRC-50G2001-C-74-SE | | | 90 | | | 2724 | 3027 | 137 | | |
| BXRC-57C2001-C-74-SE | | 5700K | 70 | | | 3286 | 3651 | 165 | | |
| BXRC-57E2001-C-74-SE | | | 80 | | | 3256 | 3618 | 164 | | |
| BXRC-65C2001-C-74-SE | | 6500K | 70 | | | 3346 | 3717 | 168 | | |
| BXRC-65E2001-C-74-SE | | | 80 | | | 3315 | 3684 | 167 | | |





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| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Pulsed Flux (lm) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXRC-27E2000-D-7X-SE | Warm-White | 2700K | 80 | Current: 500mA Tj = Tc = : 25°C | 31.8 | 2086 | 2318 | 146 | 15.9 | Current: 1000mA LED Junction Temperature: 125°C |
| BXRC-27G2000-D-7X-SE | | | 90 | | | 1739 | 1932 | 121 | | |
| BXRC-27H2000-D-7X-SE | | | 97 typ | | | 1526 | 1695 | 107 | | |
| BXRC-30E2000-D-7X-SE | | 3000K | 80 | | | 2173 | 2430 | 153 | | |
| BXRC-30G2000-D-7X-SE | | | 90 | | | 1803 | 2004 | 126 | | |
| BXRC-30G200C-D-73-SE | | | 90 | | | 1683 | 1870 | 118 | | |
| BXRC-30H2000-D-7X-SE | | | 97 typ | | | 1630 | 1811 | 114 | | |
| BXRC-30A2001-D-73-SE | | | 93 typ | | | 1683 | 1869 | 118 | | |
| BXRC-35E2000-D-7X-SE | | 3500K | 80 | | | 2238 | 2487 | 156 | | |
| BXRC-35G2000-D-7X-SE | | | 90 | | | 1869 | 2076 | 131 | | |
| BXRC-35A2001-D-73-SE | | | 93 typ | | | 1808 | 2009 | 126 | | |
| BXRC-40E2000-D-7X-SE | Neutral-White | 4000K | 80 | | | 2260 | 2511 | 158 | | |
| BXRC-40G2000-D-7X-SE | | | 90 | | | 1934 | 2149 | 135 | | |
| BXRC-40A2001-D-73-SE | | | 93 typ | | | 1936 | 2150 | 135 | | |
| BXRC-50C2001-D-74-SE | Cool-White | 5000K | 70 | | | 2477 | 2752 | 173 | | |
| BXRC-50E2001-D-74-SE | | | 80 | | | 2328 | 2587 | 163 | | |
| BXRC-50G2001-D-74-SE | | | 90 | | | 1982 | 2202 | 138 | | |
| BXRC-57C2001-D-74-SE | | 5700K | 70 | | | 2390 | 2656 | 167 | | |
| BXRC-57E2001-D-74-SE | | | 80 | | | 2369 | 2632 | 166 | | |
| BXRC-65C2001-D-74-SE | | 6500K | 70 | | | 2433 | 2704 | 170 | | |
| BXRC-65E2001-D-74-SE | | | 80 | | | 2412 | 2680 | 169 | | |

## BRIDGELUX VERO SE 18

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Pulsed Flux (lm) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXRC-17E4000-B-74-SE | Warm-White | 1750K | 80 | Current: 900mA Tj = Tc = : 25°C | 35.0 | 2385 | 2649 | 84 | 31.5 | Current: 1800mA LED Junction Temperature: 125°C |
| BXRC-25E4000-B-74-SE | | 2500K | 80 | | | 3853 | 4282 | 136 | | |
| BXRC-27E4000-B-7X-SE | | 2700K | 80 | | | 4126 | 4584 | 146 | | |
| BXRC-27G4000-B-7X-SE | | | 90 | | | 3438 | 3820 | 121 | | |
| BXRC-27H4000-B-7X-SE | | | 97 typ | | | 3016 | 3352 | 106 | | |
| BXRC-30E4000-B-7X-SE | | 3000K | 80 | | | 4297 | 4775 | 152 | | |
| BXRC-30G4000-B-7X-SE | | | 90 | | | 3567 | 3963 | 126 | | |
| BXRC-30G400C-B-73-SE | | | 90 | | | 3358 | 3731 | 118 | | |
| BXRC-30H4000-B-7X-SE | | | 97 typ | | | 3223 | 3581 | 114 | | |
| BXRC-30A4001-B-73-SE | | | 93 typ | | | 3327 | 3696 | 117 | | |
| BXRC-35E4000-B-7X-SE | | 3500K | 80 | | | 4426 | 4918 | 156 | | |
| BXRC-35G4000-B-7X-SE | | | 90 | | | 3695 | 4106 | 130 | | |
| BXRC-35A4001-B-73-SE | | | 93 typ | | | 3576 | 3974 | 126 | | |
| BXRC-40E4000-B-7X-SE | Neutral-White | 4000K | 80 | | | 4469 | 4966 | 158 | | |
| BXRC-40G4000-B-7X-SE | | | 90 | | | 3825 | 4249 | 135 | | |
| BXRC-40A4001-B-73-SE | | | 93 typ | | | 3826 | 4251 | 135 | | |
| BXRC-50C4001-B-74-SE | Cool-White | 5000K | 70 | | | 4898 | 5443 | 173 | | |
| BXRC-50E4001-B-74-SE | | | 80 | | | 4605 | 5117 | 162 | | |
| BXRC-50G4001-B-74-SE | | | 90 | | | 3919 | 4354 | 138 | | |
| BXRC-56G4000-B-74-SE | | 5600K | 80 | | | 4103 | 4559 | 145 | | |
| BXRC-57C4001-B-74-SE | | 5700K | 70 | | | 4727 | 5252 | 167 | | |
| BXRC-57E4001-B-74-SE | | | 80 | | | 4684 | 5204 | 165 | | |
| BXRC-65C4001-B-74-SE | | 6500K | 70 | | | 4813 | 5348 | 170 | | |
| BXRC-65E4001-B-74-SE | | | 80 | | | 4770 | 5300 | 168 | | |
| BXRC-17E4000-C-74-SE | Warm-White | 1750K | 80 | Current: 1170mA Tj = Tc = : 25°C | 35.0 | 3100 | 3445 | 84 | 41 | Current: 2340mA LED Junction Temperature: 125°C |
| BXRC-20B4001-C-73-SE | | 2000K | 65 | | | 5281 | 5868 | 143 | | |
| BXRC-25E4000-C-74-SE | | 2500K | 80 | | | 5011 | 5568 | 136 | | |
| BXRC-27E4000-C-7X-SE | | 2700K | 80 | | | 5363 | 5960 | 145 | | |
| BXRC-27G4000-C-7X-SE | | | 90 | | | 4470 | 4967 | 121 | | |
| BXRC-27H4000-C-7X-SE | | | 97 typ | | | 3922 | 4358 | 106 | | |
| BXRC-30E4000-C-7X-SE | | 3000K | 80 | | | 5587 | 6265 | 153 | | |
| BXRC-30G4000-C-7X-SE | | | 90 | | | 4638 | 5153 | 126 | | |
| BXRC-30H4000-C-7X-SE | | | 97 typ | | | 4190 | 4657 | 114 | | |
| BXRC-30A4001-C-73-SE | | | 93 typ | | | 4326 | 4807 | 117 | | |
| BXRC-35E4000-C-7X-SE | | 3500K | 80 | | | 5755 | 6394 | 156 | | |
| BXRC-35G4000-C-7X-SE | | | 90 | | | 4805 | 5339 | 130 | | |
| BXRC-35A4001-C-73-SE | | | 93 typ | | | 4650 | 5167 | 126 | | |
| BXRC-40E4000-C-7X-SE | Neutral-White | 4000K | 80 | | | 5810 | 6456 | 157 | | |
| BXRC-40G4000-C-7X-SE | | | 90 | | | 4973 | 5525 | 135 | | |
| BXRC-40A4001-C-73-SE | | | 93 typ | | | 4974 | 5527 | 135 | | |
| BXRC-50C4001-C-74-SE | Cool-White | 5000K | 70 | | | 6369 | 7077 | 173 | | |
| BXRC-50E4001-C-74-SE | | | 80 | | | 5987 | 6653 | 162 | | |
| BXRC-50G4001-C-74-SE | | | 90 | | | 5096 | 5662 | 138 | | |
| BXRC-56G4000-C-74-SE | | 5600K | 80 | | | 5335 | 5928 | 145 | | |
| BXRC-57C4001-C-74-SE | | 5700K | 70 | | | 6146 | 6829 | 167 | | |
| BXRC-57E4001-C-74-SE | | | 80 | | | 6090 | 6767 | 165 | | |
| BXRC-65C4001-C-74-SE | | 6500K | 70 | | | 6258 | 6953 | 170 | | |
| BXRC-65E4001-C-74-SE | | | 80 | | | 6202 | 6891 | 168 | | |



| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Pulsed Flux (lm) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXRC-17E4000-D-74-SE | Warm-White | 1750K | 80 | Current: 1050mA Tj = Tc = : 25°C | 29.0 | 2318 | 2576 | 84 | 30.5 | Current: 2100mA LED Junction Temperature: 125°C |
| BXRC-20B4001-D-73-SE | | 2000K | 65 | | | 3929 | 4366 | 143 | | |
| BXRC-25E4000-D-74-SE | | 2500K | 80 | | | 3747 | 4163 | 136 | | |
| BXRC-27E4000-D-7X-SE | | 2700K | 80 | | | 4011 | 4457 | 146 | | |
| BXRC-27G4000-D-7X-SE | | | 90 | | | 3343 | 3714 | 122 | | |
| BXRC-27H4000-D-7X-SE | | 3000K | 97 typ | | | 2933 | 3259 | 107 | | |
| BXRC-30E4000-D-7X-SE | | | 80 | | | 4178 | 4658 | 153 | | |
| BXRC-30G4000-D-7X-SE | | | 90 | | | 3467 | 3853 | 126 | | |
| BXRC-30G400C-D-73-SE | | | 90 | | | 3245 | 3606 | 118 | | |
| BXRC-30H4000-D-7X-SE | | | 97 typ | | | 3134 | 3482 | 114 | | |
| BXRC-30A4001-D-73-SE | | | 93 typ | | | 3234 | 3594 | 118 | | |
| BXRC-35E4000-D-7X-SE | | 3500K | 80 | | | 4303 | 4782 | 157 | | |
| BXRC-35G4000-D-7X-SE | | | 90 | | | 3593 | 3992 | 131 | | |
| BXRC-35A4001-D-73-SE | | | 93 typ | | | 3477 | 3864 | 127 | | |
| BXRC-40E4000-D-7X-SE | Neutral-White | 4000K | 80 | | | 4345 | 4828 | 158 | | |
| BXRC-40G4000-D-7X-SE | | | 90 | | | 3718 | 4132 | 135 | | |
| BXRC-40A4001-D-73-SE | | | 93 typ | | | 3720 | 4134 | 136 | | |
| BXRC-50C4001-D-74-SE | Cool-White | 5000K | 70 | | | 4763 | 5292 | 174 | | |
| BXRC-50E4001-D-74-SE | | | 80 | | | 4477 | 4975 | 163 | | |
| BXRC-50G4001-D-74-SE | | | 90 | | | 3811 | 4234 | 139 | | |
| BXRC-56G4000-D-74-SE | | 5600K | 80 | | | 3989 | 4433 | 145 | | |
| BXRC-57C4001-D-74-SE | | 5700K | 70 | | | 4595 | 5107 | 167 | | |
| BXRC-57E4001-D-74-SE | | | 80 | | | 4554 | 5060 | 166 | | |
| BXRC-65C4001-D-74-SE | | 6500K | 70 | | | 4679 | 5199 | 170 | | |
| BXRC-65E4001-D-74-SE | | | 80 | | | 4638 | 5153 | 169 | | |

## BRIDGELUX VERO SE 29

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Pulsed Flux (lm) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXRC-17E10K0-B-74-SE | Warm-White | 1750K | 80 | Current: 1800mA Tj = Tc = : 25°C | 52.0 | 7230 | 8033 | 86 | 93.6 | Current: 3600mA LED Junction Temperature: 125°C |
| BXRC-25E10K0-B-74-SE | | 2500K | 80 | | | 11685 | 12983 | 139 | | |
| BXRC-27E10K0-B-7X-SE | | 2700K | 80 | | | 12509 | 13899 | 148 | | |
| BXRC-27G10K0-B-7X-SE | | 3000K | 90 | | | 10424 | 11582 | 124 | | |
| BXRC-30E10K0-B-7X-SE | | | 80 | | | 13030 | 14478 | 155 | | |
| BXRC-30G10K0-B-7X-SE | | | 90 | | | 10815 | 12017 | 128 | | |
| BXRC-30A10K1-B-73-SE | | | 93 TYP | | | 10088 | 11209 | 120 | | |
| BXRC-35E10K0-B-7X-SE | | 3500K | 80 | | | 13421 | 14912 | 159 | | |
| BXRC-35G10K0-B-7X-SE | | | 90 | | | 11206 | 12451 | 133 | | |
| BXRC-35A10K1-B-73-SE | | | 93 TYP | | | 10845 | 12050 | 129 | | |
| BXRC-40E10K0-B-7X-SE | Neutral-White | 4000K | 80 | | | 13551 | 15057 | 161 | | |
| BXRC-40G10K0-B-7X-SE | | | 90 | | | 11597 | 12885 | 138 | | |
| BXRC-40A10K1-B-73-SE | | | 93 TYP | | | 11601 | 12890 | 138 | | |
| BXRC-50C10K1-B-74-SE | Cool-White | 5000K | 70 | | | 14855 | 16505 | 176 | | |
| BXRC-50E10K1-B-74-SE | | | 80 | | | 13963 | 15515 | 166 | | |
| BXRC-50G10K1-B-74-SE | | | 90 | | | 11883 | 13204 | 141 | | |
| BXRC-56G10K0-B-74-SE | | 5600K | 80 | | | 12442 | 13824 | 148 | | |
| BXRC-57C10K1-B-74-SE | | 5700K | 70 | | | 14333 | 15926 | 170 | | |
| BXRC-57E10K1-B-74-SE | | | 80 | | | 14202 | 15781 | 169 | | |
| BXRC-65C10K1-B-74-SE | | 6500K | 70 | | | 14593 | 16215 | 173 | | |
| BXRC-65E10K1-B-74-SE | | | 80 | | | 14464 | 16070 | 172 | | |
| BXRC-17E10K0-C-74-SE | Warm-White | 1750K | 80 | Current: 1710mA Tj = Tc = : 25°C | 69.4 | 9157 | 10175 | 86 | 118.7 | Current: 3420mA LED Junction Temperature: 125°C |
| BXRC-20B10K1-C-73-SE | | 2000K | 65 | | | 10270 | 11411 | 145 | | |
| BXRC-25E10K0-C-74-SE | | 2500K | 80 | | | 14801 | 16446 | 139 | | |
| BXRC-27E10K0-C-7X-SE | | 2700K | 80 | | | 15844 | 17605 | 148 | | |
| BXRC-27G10K0-C-7X-SE | | | 90 | | | 13204 | 14671 | 124 | | |
| BXRC-30E10K0-C-7X-SE | | 3000K | 80 | | | 16505 | 18339 | 154 | | |
| BXRC-30G10K0-C-7X-SE | | | 90 | | | 13699 | 15221 | 128 | | |
| BXRC-30A10K1-C-73-SE | | | 93 TYP | | | 12778 | 14197 | 120 | | |
| BXRC-35E10K0-C-7X-SE | | 3500K | 80 | | | 16999 | 18889 | 159 | | |
| BXRC-35G10K0-C-7X-SE | | | 90 | | | 14194 | 15771 | 133 | | |
| BXRC-35A10K1-C-73-SE | | | 93 TYP | | | 13737 | 15263 | 129 | | |
| BXRC-40E10K0-C-7X-SE | Neutral-White | 4000K | 80 | | | 17165 | 19072 | 161 | | |
| BXRC-40G10K0-C-7X-SE | | | 90 | | | 14689 | 16321 | 138 | | |
| BXRC-40A10K1-C-73-SE | | | 93 TYP | | | 14694 | 16327 | 138 | | |
| BXRC-50C10K1-C-74-SE | Cool-White | 5000K | 70 | | | 18816 | 20906 | 176 | | |
| BXRC-50E10K1-C-74-SE | | | 80 | | | 17687 | 19652 | 166 | | |
| BXRC-50G10K1-C-74-SE | | | 90 | | | 15052 | 16725 | 141 | | |
| BXRC-56G10K0-C-74-SE | | 5600K | 80 | | | 15760 | 17510 | 148 | | |
| BXRC-57C10K1-C-74-SE | | 5700K | 70 | | | 18155 | 20172 | 170 | | |
| BXRC-57E10K1-C-74-SE | | | 80 | | | 17990 | 19989 | 168 | | |
| BXRC-65C10K1-C-74-SE | | 6500K | 70 | | | 18486 | 20539 | 173 | | |
| BXRC-65E10K1-C-74-SE | | | 80 | | | 18320 | 20356 | 171 | | |



| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Pulsed Flux (lm) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXRC-17E10K0-D-74-SE | Warm-White | 1750K | 80 | Current: 2100mA Tj = Tc = : 25°C | 37.6 | 6092 | 6768 | 86 | 79 | Current: 4200mA LED Junction Temperature: 125°C |
| BXRC-20B10K1-D-73-SE | | 2000K | 65 | | | 10270 | 11411 | 145 | | |
| BXRC-25E10K0-D-74-SE | | 2500K | 80 | | | 9845 | 10940 | 138 | | |
| BXRC-27E10K0-D-7X-SE | | 2700K | 80 | | | 10540 | 11711 | 148 | | |
| BXRC-27G10K0-D-7X-SE | | | 90 | | | 8783 | 9759 | 124 | | |
| BXRC-30E10K0-D-7X-SE | | 3000K | 80 | | | 10979 | 12565 | 159 | | |
| BXRC-30G10K0-D-7X-SE | | | 90 | | | 9112 | 10125 | 128 | | |
| BXRC-30A10K1-D-73-SE | | | 93 TYP | | | 8500 | 9444 | 120 | | |
| BXRC-35E10K0-D-7X-SE | | 3500K | 80 | | | 11309 | 12565 | 159 | | |
| BXRC-35G10K0-D-7X-SE | | | 90 | | | 9442 | 10491 | 133 | | |
| BXRC-35A10K1-D-73-SE | | | 93 TYP | | | 9137 | 10153 | 129 | | |
| BXRC-40E10K0-D-7X-SE | Neutral-White | 4000K | 80 | | | 11418 | 12687 | 161 | | |
| BXRC-40G10K0-D-7X-SE | | | 90 | | | 9772 | 10857 | 137 | | |
| BXRC-40A10K1-D-73-SE | | | 93 TYP | | | 9775 | 10861 | 137 | | |
| BXRC-50C10K1-D-74-SE | Cool-White | 5000K | 70 | | | 12516 | 13907 | 176 | | |
| BXRC-50E10K1-D-74-SE | | | 80 | | | 11766 | 13072 | 165 | | |
| BXRC-50G10K1-D-74-SE | | | 90 | | | 10013 | 11125 | 141 | | |
| BXRC-56G10K0-D-74-SE | | 5600K | 80 | | | 10483 | 11648 | 147 | | |
| BXRC-57C10K1-D-74-SE | | 5700K | 70 | | | 12077 | 13419 | 170 | | |
| BXRC-57E10K1-D-74-SE | | | 80 | | | 11967 | 13297 | 168 | | |
| BXRC-65C10K1-D-74-SE | | 6500K | 70 | | | 12296 | 13663 | 173 | | |
| BXRC-65E10K1-D-74-SE | | | 80 | | | 12186 | 13541 | 171 | | |

## BRIDGELUX H6

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Pulsed Flux (lm) Tc = 25°C | Typical Pulsed Flux (lm) Tc = 25°C | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXRH-27E1000-C-23 | Warm-White | 2700K | 80 | Current: 500mA Tj = Tc = 25°C | 17.7 | 796 | 926 | 105 | 8.8 | Current: 1050mA LED Junction Temperature: 125 °C |
| | | | | Current: 750mA Tj = Tc = 25°C | 18.3 | 1121 | 1304 | 95 | 13.7 | |
| BXRH-27G1000-C-23 | | 2700K | 90 | Current: 500mA Tj = Tc = 25°C | 17.7 | 662 | 770 | 87 | 8.8 | |
| | | | | Current: 750mA Tj = Tc = 25°C | 18.3 | 932 | 1084 | 79 | 13.7 | |
| BXRH-27H1000-C-23 | | 2700K | 97* | Current: 500mA Tj = Tc = 25°C | 17.7 | 637 | 741 | 84 | 8.8 | |
| | | | | Current: 750mA Tj = Tc = 25°C | 18.3 | 897 | 1043 | 76 | 13.7 | |
| BXRH-30E1000-C-23 | | 3000K | 80 | Current: 500mA Tj = Tc = 25°C | 17.7 | 838 | 975 | 110 | 8.8 | |
| | | | | Current: 750mA Tj = Tc = 25°C | 18.3 | 1180 | 1373 | 100 | 13.7 | |
| BXRH-30G1000-C-23 | | 3000K | 90 | Current: 500mA Tj = Tc = 25°C | 17.7 | 704 | 819 | 93 | 8.8 | |
| | | | | Current: 750mA Tj = Tc = 25°C | 18.3 | 991 | 1153 | 84 | 13.7 | |
| BXRH-30H1000-C-23 | | 3000K | 97* | Current: 500mA Tj = Tc = 25°C | 17.7 | 662 | 770 | 87 | 8.8 | |
| | | | | Current: 750mA Tj = Tc = 25°C | 18.3 | 932 | 1084 | 79 | 13.7 | |
| BXRH-35A1001-C-23 | | 3500K | 93* | Current: 500mA Tj = Tc = 25°C | 17.7 | 704 | 819 | 93 | 8.8 | |
| | | | | Current: 750mA Tj = Tc = 25°C | 18.3 | 991 | 1153 | 84 | 13.7 | |
| BXRH-35G1000-C-23 | | 3500K | 90 | Current: 500mA Tj = Tc = 25°C | 17.7 | 721 | 839 | 95 | 8.8 | |
| | | | | Current: 750mA Tj = Tc = 25°C | 18.3 | 1014 | 1180 | 86 | 13.7 | |
| BXRH-40E1000-C-23 | Neutral-White | 4000K | 80 | Current: 500mA Tj = Tc = 25°C | 17.7 | 889 | 1034 | 117 | 8.8 | |
| | | | | Current: 750mA Tj = Tc = 25°C | 18.3 | 1251 | 1455 | 106 | 13.7 | |
| BXRH-40G1000-C-23 | | 4000K | 90 | Current: 500mA Tj = Tc = 25°C | 17.7 | 738 | 858 | 97 | 8.8 | |
| | | | | Current: 750mA Tj = Tc = 25°C | 18.3 | 1038 | 1208 | 88 | 13.7 | |

* Typical CRI





## BRIDGELUX H9

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Pulsed Flux (lm) Tc = 25°C | Typical Pulsed Flux (lm) Tc = 25°C | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXRH-27E3000-D-23 | Warm-White | 2700K | 80 | Current: 700mA Tj = Tc = 25°C | 35.5 | 2220 | 2582 | 104 | 24.9 | Current: 1400mA LED Junction Temperature: 125 °C |
| | | | | Current: 1000mA Tj = Tc = 25°C | 36.6 | 2990 | 3477 | 95 | 36.6 | |
| BXRH-27G3000-D-23 | | 2700K | 90 | Current: 700mA Tj = Tc = 25°C | 35.5 | 1847 | 2147 | 86 | 24.9 | |
| | | | | Current: 1000mA Tj = Tc = 25°C | 36.6 | 2487 | 2891 | 79 | 36.6 | |
| BXRH-27H3000-D-23 | | 2700K | 97* | Current: 700mA Tj = Tc = 25°C | 35.5 | 1776 | 2066 | 83 | 24.9 | |
| | | | | Current: 1000mA Tj = Tc = 25°C | 36.6 | 2392 | 2782 | 76 | 36.6 | |
| BXRH-30E3000-D-23 | | 3000K | 80 | Current: 700mA Tj = Tc = 25°C | 35.5 | 2338 | 2718 | 109 | 24.9 | |
| | | | | Current: 1000mA Tj = Tc = 25°C | 36.6 | 3148 | 3660 | 100 | 36.6 | |
| BXRH-30G3000-D-23 | | 3000K | 90 | Current: 700mA Tj = Tc = 25°C | 35.5 | 1964 | 2283 | 92 | 24.9 | |
| | | | | Current: 1000mA Tj = Tc = 25°C | 36.6 | 2644 | 3074 | 84 | 36.6 | |
| BXRH-30H3000-D-23 | | 3000K | 97* | Current: 700mA Tj = Tc = 25°C | 35.5 | 1847 | 2147 | 86 | 24.9 | |
| | | | | Current: 1000mA Tj = Tc = 25°C | 36.6 | 2487 | 2891 | 79 | 36.6 | |
| BXRH-35A3001-D-23 | | 3500K | 93* | Current: 700mA Tj = Tc = 25°C | 35.5 | 1964 | 1987 | 92 | 24.9 | |
| | | | | Current: 1000mA Tj = Tc = 25°C | 36.6 | 2644 | 2675 | 84 | 36.6 | |
| BXRH-35G3000-D-23 | | 3500K | 90 | Current: 700mA Tj = Tc = 25°C | 35.5 | 2010 | 2338 | 94 | 24.9 | |
| | | | | Current: 1000mA Tj = Tc = 25°C | 36.6 | 2707 | 3148 | 86 | 36.6 | |
| BXRH-40E3000-D-23 | Neutral-White | 4000K | 80 | Current: 700mA Tj = Tc = 25°C | 35.5 | 2478 | 2507 | 116 | 24.9 | |
| | | | | Current: 1000mA Tj = Tc = 25°C | 36.6 | 3336 | 3375 | 106 | 36.6 | |
| BXRH-40G3000-D-23 | | 4000K | 90 | Current: 700mA Tj = Tc = 25°C | 35.5 | 2057 | 2392 | 96 | 24.9 | |
| | | | | Current: 1000mA Tj = Tc = 25°C | 36.6 | 2770 | 3221 | 88 | 36.6 | |

* Typical CRI

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## BRIDGELUX H12

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Pulsed Flux (lm) Tc= 25°C | Typical Pulsed Flux (lm) Tc= 25°C | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXRH-27E6000-G-23 | Warm-White | 2700K | 80 | Current: 1450mA Tj = Tc = 25°C | 36 | 4477 | 5206 | 100 | 52.0 | Current: 2200mA LED Junction Temperature: 125 °C |
| | | | | Current: 1750mA Tj = Tc = 25°C | 36.6 | 5233 | 6085 | 95 | 64.1 | |
| BXRH-27G6000-G-23 | | 2700K | 90 | Current: 1450mA Tj = Tc = 25°C | 36 | 3723 | 4329 | 83 | 52.0 | |
| | | | | Current: 1750mA Tj = Tc = 25°C | 36.6 | 4352 | 5060 | 79 | 64.1 | |
| BXRH-27H6000-G-23 | | 2700K | 97* | Current: 1450mA Tj = Tc = 25°C | 36 | 3581 | 4164 | 80 | 52.0 | |
| | | | | Current: 1750mA Tj = Tc = 25°C | 36.6 | 4186 | 4868 | 76 | 64.1 | |
| BXRH-30E6000-G-23 | | 3000K | 80 | Current: 1450mA Tj = Tc = 25°C | 36 | 4713 | 5480 | 105 | 52.0 | |
| | | | | Current: 1750mA Tj = Tc = 25°C | 36.6 | 5508 | 6405 | 100 | 64.1 | |
| BXRH-30G6000-G-23 | | 3000K | 90 | Current: 1450mA Tj = Tc = 25°C | 36 | 4627 | 4603 | 88 | 52.0 | |
| | | | | Current: 1750mA Tj = Tc = 25°C | 36.6 | 4627 | 5380 | 84 | 64.1 | |
| BXRH-30H6000-G-23 | | 3000K | 97* | Current: 1450mA Tj = Tc = 25°C | 36 | 3723 | 4329 | 83 | 52.0 | |
| | | | | Current: 1750mA Tj = Tc = 25°C | 36.6 | 4352 | 5060 | 79 | 64.1 | |
| BXRH-35A6001-G-23 | | 3500K | 93* | Current: 1450mA Tj = Tc = 25°C | 35.9 | 3959 | 4603 | 88 | 52.1 | |
| | | | | Current: 1750mA Tj = Tc = 25°C | 36.6 | 4627 | 5380 | 84 | 64.1 | |
| BXRH-35G6000-G-23 | | 3500K | 90 | Current: 1450mA Tj = Tc = 25°C | 35.9 | 4052 | 4712 | 90 | 52.1 | |
| | | | | Current: 1750mA Tj = Tc = 25°C | 36.6 | 4737 | 5508 | 86 | 64.1 | |
| BXRH-40E6000-G-23 | Neutral-White | 4000K | 80 | Current: 1450mA Tj = Tc = 25°C | 35.9 | 4995 | 5808 | 111 | 52.1 | |
| | | | | Current: 1750mA Tj = Tc = 25°C | 36.6 | 5839 | 6789 | 106 | 64.1 | |
| BXRH-40G6000-G-23 | | 4000K | 90 | Current: 1450mA Tj = Tc = 25°C | 35.9 | 4147 | 4822 | 93 | 52.1 | |
| | | | | Current: 1750mA Tj = Tc = 25°C | 36.6 | 4847 | 5636 | 88 | 64.1 | |

* Typical CRI



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## BRIDGELUX H15

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Pulsed Flux (lm) Tc= 25°C | Typical Pulsed Flux (lm) Tc= 25°C | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXRH-27E8000-J-23 | Warm-White | 2700K | 80 | Current: 2100mA Tj = Tc = 25°C | 36 | 6445 | 7494 | 99 | 75.6 | Current: 3500mA LED Junction Temperature: 125 °C |
| | | | | Current: 2500mA Tj = Tc = 25°C | 36.6 | 7476 | 8693 | 95 | 91.5 | |
| BXRH-27G8000-J-23 | | 2700K | 90 | Current: 2100mA Tj = Tc = 25°C | 36 | 5360 | 6232 | 82 | 75.6 | |
| | | | | Current: 2500mA Tj = Tc = 25°C | 36.6 | 6217 | 7229 | 79 | 91.5 | |
| BXRH-27H8000-J-23 | | 2700K | 97* | Current: 2100mA Tj = Tc = 25°C | 36 | 5156 | 5996 | 79 | 75.6 | |
| | | | | Current: 2500mA Tj = Tc = 25°C | 36.6 | 5980 | 6954 | 76 | 91.5 | |
| BXRH-30E8000-J-23 | | 3000K | 80 | Current: 2100mA Tj = Tc = 25°C | 36 | 6785 | 7889 | 104 | 75.6 | |
| | | | | Current: 2500mA Tj = Tc = 25°C | 36.6 | 7869 | 9150 | 100 | 91.5 | |
| BXRH-30G8000-J-23 | | 3000K | 90 | Current: 2100mA Tj = Tc = 25°C | 36 | 5699 | 6627 | 88 | 75.6 | |
| | | | | Current: 2500mA Tj = Tc = 25°C | 36.6 | 6610 | 7686 | 84 | 91.5 | |
| BXRH-30H8000-J-23 | | 3000K | 97* | Current: 2100mA Tj = Tc = 25°C | 36 | 5360 | 6232 | 82 | 75.6 | |
| | | | | Current: 2500mA Tj = Tc = 25°C | 36.6 | 6217 | 7229 | 79 | 91.5 | |
| BXRH-35A8001-J-23 | | 3500K | 93* | Current: 2100mA Tj = Tc = 25°C | 36 | 5699 | 6627 | 88 | 75.6 | |
| | | | | Current: 2500mA Tj = Tc = 25°C | 36.6 | 6610 | 7686 | 84 | 91.5 | |
| BXRH-35G8000-J-23 | | 3500K | 90 | Current: 2100mA Tj = Tc = 25°C | 36 | 5834 | 6784 | 90 | 75.6 | |
| | | | | Current: 2500mA Tj = Tc = 25°C | 36.6 | 6767 | 7869 | 86 | 91.5 | |
| BXRH-40E8000-J-23 | Neutral-White | 4000K | 80 | Current: 2100mA Tj = Tc = 25°C | 36 | 7191 | 8362 | 111 | 75.6 | |
| | | | | Current: 2500mA Tj = Tc = 25°C | 36.6 | 8341 | 9699 | 106 | 91.5 | |
| BXRH-40G8000-J-23 | | 4000K | 90 | Current: 2100mA Tj = Tc = 25°C | 36 | 5970 | 6942 | 92 | 75.6 | |
| | | | | Current: 2500mA Tj = Tc = 25°C | 36.6 | 6925 | 8052 | 88 | 91.5 | |

* Typical CRI

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## LG INNOTEK COB 7W SMALL LES *(LES Size: 6.5mm)*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| LEMWM12480HZ10AA | Cool-White | ANSI 5000K | 80 | Current: 200mA LED Junction Temperature: 85 | 34.5 | 863 | 959 | 139 | 6.9 | Current: 400mA LED Junction Temperature: 125°C |
| LEMWM12490JZ10AA | Neutral-White | ANSI 4000K | 90 | | | 742 | 824 | 119 | | |
| LEMWM12480JZ10AA | | | 80 | | | 863 | 959 | 139 | | |
| LEMWM12480KZ10AA | Warm-White | ANSI 3500K | 80 | | | 854 | 949 | 138 | | |
| LEMWM12490LZ10AA | | ANSI 3000K | 90 | | | 689 | 766 | 111 | | |
| LEMWM12480LZ10AA | | | 80 | | | 837 | 930 | 135 | | |
| LEMWM12490MZ10AA | | ANSI 2700K | 90 | | | 662 | 736 | 107 | | |
| LEMWM12480MZ10AA | | | 80 | | | 797 | 886 | 128 | | |

## LG INNOTEK COB 7W *(LES Size: 9mm)*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| LEMWM19480HZ10AA | Cool-White | ANSI 5000K | 80 | Current: 200mA LED Junction Temperature: 85°C | 34.5 | 899 | 999 | 145 | 6.9 | Current: 400mA LED Junction Temperature: 125°C |
| LEMWM19490JZ10AA | Neutral-White | ANSI 4000K | 90 | | | 772 | 858 | 124 | | |
| LEMWM19480JZ10AA | | | 80 | | | 899 | 999 | 145 | | |
| LEMWM19480KZ10AA | Warm-White | ANSI 3500K | 80 | | | 893 | 992 | 144 | | |
| LEMWM19490LZ10AA | | ANSI 3000K | 90 | | | 729 | 810 | 117 | | |
| LEMWM19480LZ10AA | | | 80 | | | 876 | 973 | 141 | | |
| LEMWM19490MZ10AA | | ANSI 2700K | 90 | | | 690 | 766 | 111 | | |
| LEMWM19480MZ10AA | | | 80 | | | 830 | 922 | 134 | | |





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## LG INNOTEK COB 10W *(LES Size: 9mm)*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| LEMWM19680HZ10AA | Cool-White | ANSI 5000K | 80 | Current: 300mA LED Junction Temperature: 85°C | 34.5 | 1363 | 1514 | 146 | 10.4 | Current: 600mA LED Junction Temperature: 125°C |
| LEMWM19690JZ10AA | Neutral-White | ANSI 4000K | 90 | | | 1171 | 1301 | 126 | | |
| LEMWM19680JZ10AA | | | 80 | | | 1363 | 1514 | 146 | | |
| LEMWM19680KZ10AA | Warm-White | ANSI 3500K | 80 | | | 1315 | 1461 | 141 | | |
| LEMWM19690LZ10AA | | ANSI 3000K | 90 | | | 1080 | 1200 | 116 | | |
| LEMWM19680LZ10AA | | | 80 | | | 1289 | 1432 | 138 | | |
| LEMWM19690MZ10AA | | ANSI 2700K | 90 | | | 1045 | 1161 | 112 | | |
| LEMWM19680MZ10AA | | | 80 | | | 1258 | 1398 | 135 | | |

## LG INNOTEK COB 16W *(LES Size: 13mm)*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| LEMWM24780HZ10AA | Cool-White | ANSI 5000K | 80 | Current: 450mA LED Junction Temperature: 85°C | 34.8 | 2098 | 2332 | 149 | 15.7 | Current: 900mA LED Junction Temperature: 125°C |
| LEMWM24790JZ10AA | Neutral-White | ANSI 4000K | 90 | | | 1803 | 2003 | 128 | | |
| LEMWM24780JZ10AA | | | 80 | | | 2098 | 2332 | 149 | | |
| LEMWM24780KZ10AA | Warm-White | ANSI 3500K | 80 | | | 2020 | 2244 | 143 | | |
| LEMWM24790LZ10AA | | ANSI 3000K | 90 | | | 1656 | 1840 | 117 | | |
| LEMWM24780LZ10AA | | | 80 | | | 1980 | 2200 | 140 | | |
| LEMWM24790MZ10AA | | ANSI 2700K | 90 | | | 1609 | 1788 | 114 | | |
| LEMWM24780MZ10AA | | | 80 | | | 1937 | 2152 | 137 | | |

LG Innotek

## LG INNOTEK COB 21W *(LES Size: 13mm)*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| LEMWM24980HZ10AA | Cool-White | ANSI 5000K | 80 | Current: 600mA LED Junction Temperature: 85°C | 35.0 | 2725 | 3028 | 144 | 21.0 | Current: 1200mA LED Junction Temperature: 125°C |
| LEMWM24990JZ10AA | Neutral-White | ANSI 4000K | 90 | | | 2341 | 2601 | 124 | | |
| LEMWM24980JZ10AA | | | 80 | | | 2725 | 3028 | 144 | | |
| LEMWM24980KZ10AA | Warm-White | ANSI 3500K | 80 | | | 2667 | 2963 | 141 | | |
| LEMWM24990LZ10AA | | ANSI 3000K | 90 | | | 2176 | 2418 | 115 | | |
| LEMWM24980LZ10AA | | | 80 | | | 2615 | 2905 | 138 | | |
| LEMWM24990MZ10AA | | ANSI 2700K | 90 | | | 2090 | 2322 | 111 | | |
| LEMWM24980MZ10AA | | | 80 | | | 2516 | 2795 | 133 | | |

## LG INNOTEK COB 32W *(LES Size: 15mm)*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| LEMWM24B80HZ10AA | Cool-White | ANSI 5000K | 80 | Current: 900mA LED Junction Temperature: 85°C | 34.8 | 4088 | 4542 | 145 | 31.3 | Current: 1800mA LED Junction Temperature: 125°C |
| LEMWM24B90JZ10AA | Neutral-White | ANSI 4000K | 90 | | | 3512 | 3902 | 125 | | |
| LEMWM24B80JZ10AA | | | 80 | | | 3931 | 4368 | 139 | | |
| LEMWM24B80KZ10AA | Warm-White | ANSI 3500K | 80 | | | 4010 | 4455 | 142 | | |
| LEMWM24B90LZ10AA | | ANSI 3000K | 90 | | | 3249 | 3610 | 115 | | |
| LEMWM24B80LZ10AA | | | 80 | | | 3931 | 4368 | 139 | | |
| LEMWM24B90MZ10AA | | ANSI 2700K | 90 | | | 3135 | 3483 | 111 | | |
| LEMWM24B80MZ10AA | | | 80 | | | 3774 | 4193 | 134 | | |

LG Innotek

## LG INNOTEK COB 42W *(LES Size: 18.5mm)*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| LEMWM28D80HZ10AA | Cool-White | ANSI 5000K | 80 | Current: 1200mA LED Junction Temperature: 85°C | 34.8 | 5614 | 6238 | 149 | 42.0 | Current: 2400mA LED Junction Temperature: 125°C |
| LEMWM28D90JZ10AA | Neutral-White | ANSI 4000K | 90 | | | 4822 | 5358 | 128 | | |
| LEMWM28D80JZ10AA | | | 80 | | | 5614 | 6238 | 149 | | |
| LEMWM28D80KZ10AA | Warm-White | ANSI 3500K | 80 | | | 5435 | 6038 | 145 | | |
| LEMWM28D90LZ10AA | | ANSI 3000K | 90 | | | 4505 | 5005 | 120 | | |
| LEMWM28D80LZ10AA | | | 80 | | | 5328 | 5920 | 142 | | |
| LEMWM28D90MZ10AA | | ANSI 2700K | 90 | | | 4305 | 4783 | 115 | | |
| LEMWM28D80MZ10AA | | | 80 | | | 5183 | 5758 | 138 | | |



## LG INNOTEK COB 56W *(LES Size: 23mm)*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| LEMWM28E80HZ10AA | Cool-White | ANSI 5000K | 80 | Current: 1600mA LED Junction Temperature: 85°C | 34.5 | 7358 | 8176 | 148 | 56.0 | Current: 3200mA LED Junction Temperature: 125°C |
| LEMWM28E90JZ10AA | Neutral-White | ANSI 4000K | 90 | | | 6321 | 7023 | 127 | | |
| LEMWM28E80JZ10AA | | | 80 | | | 7358 | 8176 | 148 | | |
| LEMWM28E80KZ10AA | Warm-White | ANSI 3500K | 80 | | | 7090 | 7878 | 143 | | |
| LEMWM28E90LZ10AA | | ANSI 3000K | 90 | | | 5866 | 6518 | 118 | | |
| LEMWM28E80LZ10AA | | | 80 | | | 6952 | 7724 | 140 | | |
| LEMWM28E90MZ10AA | | ANSI 2700K | 90 | | | 5642 | 6269 | 114 | | |
| LEMWM28E80MZ10AA | | | 80 | | | 6791 | 7546 | 137 | | |

LUMILEDS

## LUXEON COB CORE RANGE

### LUXEON COB 1202S - GEN3

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| L2C5-22801202E0600 | Warm-White | 2200K | 80 | Current: 200mA CoB Junction Temperature: 85°C | 34.5 | 675 | 750 | 109 | 6.9 | Current: 400mA CoB Junction Temperature: 125°C |
| L2C5-22901202E0600 | | | 90 | | | 589 | 654 | 95 | | |
| L2C5-27801202E0600 | | 2700K | 80 | | | 797 | 886 | 128 | | |
| L2C5-27901202E0600 | | | 90 | | | 662 | 736 | 107 | | |
| L2C5-30801202E0600 | | 3000K | 80 | | | 837 | 930 | 135 | | |
| L2C5-30901202E0600 | | | 90 | | | 689 | 766 | 111 | | |
| L2C5-35801202E0600 | | 3500K | 80 | | | 854 | 949 | 138 | | |
| L2C5-35901202E0600 | | | 90 | | | 725 | 805 | 117 | | |
| L2C5-40801202E0600 | Neutral-White | 4000K | 80 | | | 863 | 959 | 139 | | |
| L2C5-40901202E0600 | | | 90 | | | 742 | 824 | 119 | | |
| L2C5-50801202E0600 | Cool-White | 5000K | 80 | | | 863 | 959 | 139 | | |

### LUXEON COB 1202 - GEN3

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| L2C5-22801202E0900 | Warm-White | 2200K | 80 | Current: 200mA CoB Junction Temperature: 85°C | 34.5 | 703 | 781 | 113 | 6.9 | Current: 400mA CoB Junction Temperature: 125°C |
| L2C5-22901202E0900 | | | 90 | | | 625 | 694 | 101 | | |
| L2C5-27801202E0900 | | 2700K | 80 | | | 830 | 922 | 134 | | |
| L2C5-27901202E0900 | | | 90 | | | 690 | 766 | 111 | | |
| L2C5-30801202E0900 | | 3000K | 80 | | | 876 | 973 | 141 | | |
| L2C5-30901202E0900 | | | 90 | | | 729 | 810 | 117 | | |
| L2C5-35801202E0900 | | 3500K | 80 | | | 893 | 992 | 144 | | |
| L2C5-35901202E0900 | | | 90 | | | 752 | 836 | 121 | | |
| L2C5-40801202E0900 | Neutral-White | 4000K | 80 | | | 913 | 1014 | 147 | | |
| L2C5-40901202E0900 | | | 90 | | | 772 | 858 | 124 | | |
| L2C5-50801202E0900 | Cool-White | 5000K | 80 | | | 899 | 999 | 145 | | |





LUMILEDS

### LUXEON COB 1203 - GEN3

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| L2C5-22801203E0900 | Warm-White | 2200K | 80 | Current: 300mA CoB Junction Temperature: 85°C | 34.5 | 1066 | 1184 | 114 | 10.4 | Current: 600mA CoB Junction Temperature: 125°C |
| L2C5-22901203E0900 | | | 90 | | | 929 | 1032 | 100 | | |
| L2C5-27801203E0900 | | 2700K | 80 | | | 1258 | 1398 | 135 | | |
| L2C5-27901203E0900 | | | 90 | | | 1045 | 1161 | 112 | | |
| L2C5-30801203E0900 | | 3000K | 80 | | | 1289 | 1432 | 138 | | |
| L2C5-30901203E0900 | | | 90 | | | 1080 | 1200 | 116 | | |
| L2C5-35801203E0900 | | 3500K | 80 | | | 1315 | 1461 | 141 | | |
| L2C5-35901203E0900 | | | 90 | | | 1140 | 1267 | 122 | | |
| L2C5-40801203E0900 | Neutral-White | 4000K | 70 | | | 1466 | 1629 | 157 | | |
| L2C5-40901203E0900 | | | 80 | | | 1363 | 1514 | 146 | | |
| L2C5-50801203E0900 | | | 90 | | | 1170 | 1301 | 126 | | |
| L2C5-50701203E0900 | Cool-White | 5000K | 70 | | | 1466 | 1629 | 157 | | |
| L2C5-50801203E0900 | | | 80 | | | 1363 | 1514 | 146 | | |
| L2C5-57701203E0900 | | 5700K | 70 | | | 1428 | 1587 | 153 | | |

### LUXEON COB 1204 - GEN3

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| L2C5-22801204E1300 | Warm-White | 2200K | 80 | Current: 450mA CoB Junction Temperature: 85°C | 34.8 | 1641 | 1823 | 117 | 15.7 | Current: 900mA CoB Junction Temperature: 125°C |
| L2C5-22901204E1300 | | | 90 | | | 1430 | 1589 | 102 | | |
| L2C5-27801204E1300 | | 2700K | 80 | | | 1937 | 2152 | 138 | | |
| L2C5-27901204E1300 | | | 90 | | | 1609 | 1788 | 115 | | |
| L2C5-30801204E1300 | | 3000K | 80 | | | 1980 | 2200 | 141 | | |
| L2C5-30901204E1300 | | | 90 | | | 1656 | 1840 | 118 | | |
| L2C5-35801204E1300 | | 3500K | 80 | | | 2020 | 2244 | 144 | | |
| L2C5-35901204E1300 | | | 90 | | | 1755 | 1950 | 125 | | |
| L2C5-40801204E1300 | Neutral-White | 4000K | 70 | | | 2098 | 2332 | 149 | | |
| L2C5-40901204E1300 | | | 80 | | | 1802 | 2003 | 128 | | |
| L2C5-50801204E1300 | | | 90 | | | 2098 | 2332 | 149 | | |
| L2C5-50701204E1300 | Cool-White | 5000K | 70 | | | 2258 | 2509 | 160 | | |
| L2C5-50801204E1300 | | | 80 | | | 2098 | 2332 | 149 | | |
| L2C5-57701204E1300 | | 5700K | 70 | | | 2199 | 2443 | 156 | | |

LUMILEDS

## LUXEON COB 1205 - GEN3

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| L2C5-22801205E1300 | Warm-White | 2200K | 80 | Current: 600mA CoB Junction Temperature: 85°C | 35 | 2131 | 2368 | 113 | 21 | Current: 1200mA CoB Junction Temperature: 125°C |
| L2C5-22901205E1300 | | | 90 | | | 1857 | 2063 | 98 | | |
| L2C5-27801205E1300 | | 2700K | 80 | | | 2516 | 2795 | 133 | | |
| L2C5-27901205E1300 | | | 90 | | | 2090 | 2322 | 111 | | |
| L2C5-30801205E1300 | | 3000K | 80 | | | 2615 | 2905 | 138 | | |
| L2C5-30901205E1300 | | | 90 | | | 2176 | 2418 | 115 | | |
| L2C5-35801205E1300 | | 3500K | 80 | | | 2667 | 2963 | 141 | | |
| L2C5-35901205E1300 | | | 90 | | | 2280 | 2533 | 121 | | |
| L2C5-40801205E1300 | Neutral-White | 4000K | 70 | | | 2725 | 3028 | 144 | | |
| L2C5-40901205E1300 | | | 80 | | | 2341 | 2601 | 124 | | |
| L2C5-50801205E1300 | | | 90 | | | 2725 | 3028 | 144 | | |
| L2C5-50701205E1300 | Cool-White | 5000K | 70 | | | 2932 | 3258 | 155 | | |
| L2C5-50801205E1300 | | | 80 | | | 2725 | 3028 | 144 | | |
| L2C5-57701205E1300 | | 5700K | 70 | | | 2856 | 3173 | 151 | | |

## LUXEON COB 1208 - GEN3

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| L2C5-22801208E1300 | Warm-White | 2200K | 80 | Current: 900mA CoB Junction Temperature: 85°C | 34.8 | 3197 | 3552 | 114 | 31.3 | Current: 1800mA CoB Junction Temperature: 125°C |
| L2C5-22901208E1300 | | | 90 | | | 2785 | 3095 | 99 | | |
| L2C5-27801208E1300 | | 2700K | 80 | | | 3774 | 4193 | 134 | | |
| L2C5-27901208E1300 | | | 90 | | | 3135 | 3483 | 112 | | |
| L2C5-30801208E1300 | | 3000K | 80 | | | 3931 | 4368 | 140 | | |
| L2C5-30901208E1300 | | | 90 | | | 3249 | 3610 | 116 | | |
| L2C5-35801208E1300 | | 3500K | 80 | | | 4010 | 4455 | 143 | | |
| L2C5-35901208E1300 | | | 90 | | | 3420 | 3800 | 122 | | |
| L2C5-40801208E1300 | Neutral-White | 4000K | 70 | | | 4347 | 4900 | 156 | | |
| L2C5-40901208E1300 | | | 80 | | | 4088 | 4542 | 145 | | |
| L2C5-50801208E1300 | | | 90 | | | 3511 | 3902 | 125 | | |
| L2C5-50701208E1500 | Cool-White | 5000K | 70 | | | 4347 | 4900 | 156 | | |
| L2C5-50801208E1500 | | | 80 | | | 4088 | 4542 | 145 | | |
| L2C5-57701208E1500 | | 5700K | 70 | | | 4284 | 4760 | 152 | | |





LUMILEDS

## LUXEON COB 1211 - GEN3

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| L2C5-22801211E1900 | Warm-White | 2200K | 80 | Current: 1200mA CoB Junction Temperature: 85°C | 34.8 | 4390 | 4878 | 117 | 41.8 | Current: 2400mA CoB Junction Temperature: 125°C |
| L2C5-22901211E1900 | | | 90 | | | 3749 | 4165 | 100 | | |
| L2C5-27801211E1900 | | 2700K | 80 | | | 5183 | 5758 | 138 | | |
| L2C5-27901211E1900 | | | 90 | | | 4305 | 4783 | 115 | | |
| L2C5-30801211E1900 | | 3000K | 80 | | | 5328 | 5920 | 142 | | |
| L2C5-30901211E1900 | | | 90 | | | 4305 | 5005 | 120 | | |
| L2C5-35801211E1900 | | 3500K | 80 | | | 5435 | 6038 | 145 | | |
| L2C5-35901211E1900 | | | 90 | | | 4696 | 5218 | 125 | | |
| L2C5-40701211E1900 | Neutral-White | 4000K | 70 | | | 6053 | 6726 | 162 | | |
| L2C5-40801211E1900 | | | 80 | | | 5614 | 6238 | 150 | | |
| L2C5-40901211E1900 | | | 90 | | | 4822 | 5358 | 129 | | |
| L2C5-50701211E1900 | Cool-White | 5000K | 70 | | | 6053 | 6726 | 162 | | |
| L2C5-50801211E1900 | | | 80 | | | 5614 | 6238 | 150 | | |
| L2C5-57701211E1900 | | 5700K | 70 | | | 5882 | 6536 | 157 | | |

## LUXEON COB 1216 - GEN3

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| L2C5-22801216E2300 | Warm-White | 2200K | 80 | Current: 1600mA CoB Junction Temperature: 85°C | 34.5 | 5755 | 6394 | 116 | 55.2 | Current: 3200mA CoB Junction Temperature: 125°C |
| L2C5-22901216E2300 | | | 90 | | | 5013 | 5570 | 101 | | |
| L2C5-27801216E2300 | | 2700K | 80 | | | 6791 | 7546 | 137 | | |
| L2C5-27901216E2300 | | | 90 | | | 5642 | 6269 | 114 | | |
| L2C5-30701216E2300 | | 3000K | 70 | | | 7465 | 8294 | 150 | | |
| L2C5-30801216E2300 | | | 80 | | | 6952 | 7724 | 140 | | |
| L2C5-30901216E2300 | | | 90 | | | 5866 | 6518 | 118 | | |
| L2C5-35701216E2300 | | 3500K | 70 | | | 7465 | 8294 | 150 | | |
| L2C5-35801216E2300 | | | 80 | | | 7090 | 7878 | 143 | | |
| L2C5-35901216E2300 | | | 90 | | | 6155 | 6839 | 124 | | |
| L2C5-40701216E2300 | Neutral-White | 4000K | 70 | | | 7876 | 8751 | 159 | | |
| L2C5-40801216E2300 | | | 80 | | | 7358 | 8176 | 148 | | |
| L2C5-40901216E2300 | | | 90 | | | 6321 | 7023 | 127 | | |
| L2C5-50701216E2300 | | 5000K | 70 | | | 7876 | 8751 | 159 | | |
| L2C5-50801216E2300 | Cool-White | | 80 | | | 7358 | 8176 | 148 | | |
| L2C5-57701216E2300 | | 5700K | 70 | | | 7710 | 8567 | 155 | | |
| L2C5-57801216E2300 | | | 80 | | | 7336 | 8151 | 148 | | |
| L2C5-65701216E2300 | | 6500K | 70 | | | 7512 | 8347 | 151 | | |

LUMILEDS

## LUXEON COB STYLIST SERIES

### LUXEON COB WITH CRISPWHITE TECHNOLOGY

| Part Number | Package | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|---|
| L2C5-30901202E06C0 | Luxeon CoB 1202s | Warm-White | 3000K | 90 | Current: 200mA CoB Junction Temperature: 85°C | 35 | 550 | 600 | 85 | 7.1 | Current: 400mA CoB Junction Temperature: 125°C |
| L2C5-30901202E09C0 | Luxeon CoB 1202 | | 3000K | 90 | Current: 200mA CoB Junction Temperature: 85°C | 35 | 550 | 625 | 90 | 7.1 | |
| L2C5-30901203E09C0 | Luxeon CoB 1203 | | 3000K | 90 | Current: 300mA CoB Junction Temperature: 85°C | 35 | 905 | 1006 | 96 | 10.5 | Current: 600mA CoB Junction Temperature: 125°C |
| L2C5-30901204E13C0 | Luxeon CoB 1204 | | 3000K | 90 | Current: 450mA CoB Junction Temperature: 85°C | 35.3 | 1421 | 1579 | 99 | 15.9 | Current: 900mA CoB Junction Temperature: 125°C |
| L2C5-30901205E13C0 | Luxeon CoB 1205 | | 3000K | 90 | Current: 600mA CoB Junction Temperature: 85°C | 35.3 | 1845 | 2050 | 97 | 21.1 | Current: 1200mA CoB Junction Temperature: 125°C |
| L2C5-30901208E15C0 | Luxeon CoB 1208 | | 3000K | 90 | Current: 900mA CoB Junction Temperature: 85°C | 35.1 | 2750 | 3056 | 97 | 31.5 | Current: 1800mA CoB Junction Temperature: 125°C |
| L2C5-30901211E19C0 | Luxeon CoB 1211 | | 3000K | 90 | Current: 1200mA CoB Junction Temperature: 85°C | 35.2 | 3794 | 4215 | 100 | 42.2 | Current: 2400mA CoB Junction Temperature: 125°C |





LUMILEDS

## LUXEON COB STYLIST SERIES

### LUXEON COB 1202S - CRISPCOLOR TECHNOLOGY

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| L2C5-27HG1202E0600 | Warm-White | 2700K | 90 | Current: 200mA CoB Junction Temperature: 85°C | 34.5 | 588 | 653 | 95 | 6.9 | Current: 400mA CoB Junction Temperature: 125°C |
| L2C5-30HG1202E0600 | | 3000K | | | | 648 | 700 | 101 | | |
| L2C5-33HG1202E0600 | | 3250K | | | | 675 | 720 | 104 | | |
| L2C5-35HG1202E0600 | | 3500K | | | | 656 | 729 | 106 | | |
| L2C5-40HG1202E0600 | Neutral-White | 4000K | | | | 690 | 767 | 111 | | |
| L2C5-50HG1202E0600 | Cool-White | 5000K | | | | 716 | 796 | 115 | | |

### LUXEON COB 1202 - CRISPCOLOR TECHNOLOGY

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| L2C5-27HG1202E0900 | Warm-White | 2700K | 90 | Current: 200mA CoB Junction Temperature: 85°C | 34.5 | 613 | 681 | 99 | 6.9 | Current: 400mA CoB Junction Temperature: 125°C |
| L2C5-30HG1202E0900 | | 3000K | | | | 648 | 720 | 104 | | |
| L2C5-33HG1202E0900 | | 3250K | | | | 675 | 750 | 109 | | |
| L2C5-35HG1202E0900 | | 3500K | | | | 683 | 759 | 110 | | |
| L2C5-40HG1202E0900 | Neutral-White | 4000K | | | | 720 | 800 | 116 | | |
| L2C5-50HG1202E0900 | Cool-White | 5000K | | | | 748 | 831 | 120 | | |

### LUXEON COB 1203 - CRISPCOLOR TECHNOLOGY

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| L2C5-27HG1203E0900 | Warm-White | 2700K | 90 | Current: 300mA CoB Junction Temperature: 85°C | 34.5 | 907 | 1008 | 97 | 10.4 | Current: 600mA CoB Junction Temperature: 125°C |
| L2C5-30HG1203E0900 | | 3000K | | | | 972 | 1080 | 104 | | |
| L2C5-33HG1203E0900 | | 3250K | | | | 1017 | 1130 | 109 | | |
| L2C5-35HG1203E0900 | | 3500K | | | | 1035 | 1150 | 111 | | |
| L2C5-40HG1203E0900 | Neutral-White | 4000K | | | | 1066 | 1184 | 114 | | |
| L2C5-50HG1203E0900 | Cool-White | 5000K | | | | 1106 | 1229 | 119 | | |

### LUXEON COB 1204 - CRISPCOLOR TECHNOLOGY

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| L2C5-27HG1204E1300 | Warm-White | 2700K | 90 | Current: 450mA CoB Junction Temperature: 85°C | 34.8 | 1424 | 1582 | 101 | 15.7 | Current: 900mA CoB Junction Temperature: 125°C |
| L2C5-30HG1204E1300 | | 3000K | | | | 1494 | 1660 | 106 | | |
| L2C5-33HG1204E1300 | | 3250K | | | | 1575 | 1750 | 112 | | |
| L2C5-35HG1204E1300 | | 3500K | | | | 1594 | 1771 | 113 | | |
| L2C5-40HG1204E1300 | Neutral-White | 4000K | | | | 1656 | 1840 | 117 | | |
| L2C5-50HG1204E1300 | Cool-White | 5000K | | | | 1737 | 1930 | 123 | | |

LUMILEDS

## LUXEON COB STYLIST SERIES

### LUXEON COB 1205 - CRISPCOLOR TECHNOLOGY

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| L2C5-27HG1205E1300 | Warm-White | 2700K | 90 | Current: 600mA CoB Junction Temperature: 85°C | 35 | 1850 | 2055 | 98 | 21.0 | Current: 1200mA CoB Junction Temperature: 125°C |
| L2C5-30HG1205E1300 | | 3000K | | | | 1953 | 2170 | 103 | | |
| L2C5-33HG1205E1300 | | 3250K | | | | 2034 | 2260 | 108 | | |
| L2C5-35HG1205E1300 | | 3500K | | | | 2070 | 2300 | 110 | | |
| L2C5-40HG1205E1300 | Neutral-White | 4000K | | | | 2172 | 2413 | 115 | | |
| L2C5-50HG1205E1300 | Cool-White | 5000K | | | | 2255 | 2506 | 119 | | |

### LUXEON COB 1208 - CRISPCOLOR TECHNOLOGY

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| L2C5-27HG1208E1500 | Warm-White | 2700K | 90 | Current: 900mA CoB Junction Temperature: 85°C | 34.8 | 2775 | 3083 | 98 | 31.3 | Current: 1800mA CoB Junction Temperature: 125°C |
| L2C5-30HG1208E1500 | | 3000K | | | | 2970 | 3300 | 105 | | |
| L2C5-33HG1208E1500 | | 3250K | | | | 3105 | 3450 | 110 | | |
| L2C5-35HG1208E1500 | | 3500K | | | | 3105 | 3450 | 110 | | |
| L2C5-40HG1208E1500 | Neutral-White | 4000K | | | | 3263 | 3626 | 116 | | |
| L2C5-50HG1208E1500 | Cool-White | 5000K | | | | 3389 | 3766 | 120 | | |

### LUXEON COB 1211 - CRISPCOLOR TECHNOLOGY

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| L2C5-27HG1211E1900 | Warm-White | 2700K | 90 | Current: 600mA CoB Junction Temperature: 85°C | 34.8 | 3803 | 4226 | 101 | 41.8 | Current: 2400mA CoB Junction Temperature: 125°C |
| L2C5-30HG1211E1900 | | 3000K | | | | 4023 | 4470 | 107 | | |
| L2C5-33HG1211E1900 | | 3250K | | | | 4190 | 4656 | 111 | | |
| L2C5-35HG1211E1900 | | 3500K | | | | 4264 | 4738 | 113 | | |
| L2C5-40HG1211E1900 | Neutral-White | 4000K | | | | 4466 | 4962 | 119 | | |
| L2C5-50HG1211E1900 | Cool-White | 5000K | | | | 4638 | 5153 | 123 | | |

### LUXEON COB 1216 - CRISPCOLOR TECHNOLOGY

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| L2C5-27HG1216E2300 | Warm-White | 2700K | 90 | Current: 900mA CoB Junction Temperature: 85°C | 34.5 | 4994 | 5549 | 101 | 55.2 | Current: 3200mA CoB Junction Temperature: 125°C |
| L2C5-30HG1216E2300 | | 3000K | | | | 5273 | 5859 | 106 | | |
| L2C5-33HG1216E2300 | | 3250K | | | | 5492 | 6102 | 111 | | |
| L2C5-35HG1216E2300 | | 3500K | | | | 5589 | 6210 | 113 | | |
| L2C5-40HG1216E2300 | Neutral-White | 4000K | | | | 5864 | 6515 | 118 | | |
| L2C5-50HG1216E2300 | Cool-White | 5000K | | | | 6089 | 6766 | 123 | | |



LUMILEDS

## LUXEON COB STYLIST SERIES

### LUXEON COB 1208 - FRESHFOCUS TECHNOLOGY

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| L2C5-PR001208E1500 | Produce | - | - | Current: 900mA CoB Junction Temperature: 85°C | 34.8 | 2970 | 3300 | 105 | 31.3 | Current: 1800mA CoB Junction Temperature: 125°C |
| L2C5-RM001208E1500 | Red Meat | - | - | | | 1854 | 2059 | 66 | | |
| L2C5-MM001208E1500 | Marbled Meat | - | - | | | 1945 | 2161 | 69 | | |
| L2C5-FS001208E1500 | Fish | - | - | | | 3049 | 3387 | 108 | | |
| L2C5-BD001208E1500 | Bread & Pastries | - | - | | | 2871 | 3190 | 102 | | |

### LUXEON COB 1211 - FRESHFOCUS TECHNOLOGY

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| L2C5-PR001211E1900 | Produce | - | - | Current: 1200mA CoB Junction Temperature: 85°C | 34.8 | 4023 | 4470 | 107 | 41.8 | Current: 2400mA CoB Junction Temperature: 125°C |
| L2C5-RM001211E1900 | Red Meat | - | - | | | 2538 | 2820 | 68 | | |
| L2C5-MM001211E1900 | Marbled Meat | - | - | | | 2664 | 2960 | 71 | | |
| L2C5-FS001211E1900 | Fish | - | - | | | 4176 | 4640 | 111 | | |
| L2C5-BD001211E1900 | Bread & Pastries | - | - | | | 3933 | 4370 | 105 | | |

## NICHIA COB

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| NTWLT012B-V2 | Warm-White | 2200K | 80 | Current: 70mA LED Junction Temperature: 25°C | 35.0 | 300 | 340 | 139 | 2.5 | Current: 150mA LED Junction Temperature: 140°C |
| | | | 9050 | | | 240 | 270 | 110 | | |
| | | 2500K | 80 | | | 320 | 360 | 147 | | |
| | | | 9050 | | | 270 | 300 | 122 | | |
| | | 2700K | 70 | | | 360 | 410 | 167 | | |
| | | | 80 | | | 340 | 380 | 155 | | |
| | | | 9050 | | | 290 | 325 | 133 | | |
| | | | 95 | | | 230 | 260 | 106 | | |
| | | 3000K | 70 | | | 370 | 420 | 171 | | |
| | | | 80 | | | 350 | 395 | 161 | | |
| | | | 9050 | | | 300 | 340 | 139 | | |
| | | | 95 | | | 240 | 275 | 112 | | |
| | | 3500K | 70 | | | 380 | 430 | 176 | | |
| | | | 80 | | | 360 | 405 | 165 | | |
| | | | 9050 | | | 310 | 350 | 143 | | |
| | | | 95 | | | 260 | 295 | 120 | | |
| | Neutral-White | 4000K | 70 | | | 390 | 440 | 180 | | |
| | | | 80 | | | 370 | 415 | 169 | | |
| | | | 9050 | | | 320 | 360 | 147 | | |
| | | | 95 | | | 270 | 300 | 122 | | |
| | | 4500K | 70 | | | 390 | 440 | 180 | | |
| | | | 80 | | | 370 | 420 | 171 | | |
| | | | 9050 | | | 330 | 370 | 151 | | |
| | | | 95 | | | 270 | 310 | 127 | | |
| | Cool-White | 5000K | 70 | | | 390 | 440 | 180 | | |
| | | | 80 | | | 370 | 415 | 169 | | |
| | | | 9050 | | | 320 | 365 | 149 | | |
| | | | 95 | | | 280 | 315 | 129 | | |
| | | 5700K | 70 | | | 380 | 430 | 176 | | |
| | | | 80 | | | 370 | 415 | 169 | | |
| | | | 9050 | | | 330 | 370 | 151 | | |
| | | | 95 | | | 280 | 320 | 131 | | |
| | | 6500K | 70 | | | 380 | 430 | 176 | | |
| | | | 80 | | | 360 | 410 | 167 | | |
| | | | 9050 | | | 330 | 370 | 151 | | |
| | | | 95 | | | 290 | 325 | 133 | | |

Available in Europe and the Americas

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| NTCLS024B-V1M2 | Warm-White | 3500K | No Min | Current: 135mA LED Junction Temperature: 25°C | 35.1 | 320 | 360 | 76 | 4.7 | Current: 300mA LED Junction Temperature: 140°C |
| | Neutral-White | 4000K | | | | 340 | 380 | 80 | | |
| NTCWS024B-V1M2 | Cool-White | 5300K | | | | 390 | 440 | 93 | | |
| NTCLS024B-V1M3 | Warm-White | 2700K | | | | 360 | 400 | 84 | | |
| | | 3000K | | | | 370 | 420 | 89 | | |
| | | 3500K | | | | 400 | 450 | 95 | | |
| | Neutral-White | 4000K | | | | 430 | 480 | 101 | | |
| | | 4500K | | | | 440 | 490 | 103 | | |
| NTCWS024B-V1M3 | Cool-White | 5000K | | | | 450 | 510 | 108 | | |
| NTCLS024B-V1M7 | Warm-White | 3000K | | | | 570 | 640 | 135 | | |
| | | 3200K | | | | 580 | 650 | 137 | | |
| | Neutral-White | 3500K | | | | 590 | 660 | 139 | | |
| | | 4000K | | | | 590 | 660 | 139 | | |

Available in Europe and the Americas

## NICHIA COB *(continued)*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| NTCWS024B-V2 | Warm-White | 2200K | 80 | Current: 135mA LED Junction Temperature: 25°C | 34.9 | 580 | 650 | 138 | 4.7 | Current: 300mA LED Junction Temperature: 140°C |
| | | | 9050 | | | 460 | 520 | 110 | | |
| | | 2500K | 80 | | | 610 | 685 | 145 | | |
| | | | 9050 | | | 510 | 575 | 122 | | |
| | | 2700K | 70 | | | 700 | 785 | 167 | | |
| | | | 80 | | | 650 | 725 | 154 | | |
| | | | 9050 | | | 560 | 625 | 133 | | |
| | | | 95 | | | 440 | 490 | 104 | | |
| | | 3000K | 70 | | | 720 | 800 | 170 | | |
| | | | 80 | | | 670 | 750 | 159 | | |
| | | | 9050 | | | 580 | 645 | 137 | | |
| | | | 95 | | | 470 | 530 | 112 | | |
| | | 3500K | 70 | | | 740 | 825 | 175 | | |
| | | | 80 | | | 690 | 775 | 164 | | |
| | | | 9050 | | | 600 | 675 | 143 | | |
| | | | 95 | | | 500 | 560 | 119 | | |
| | Neutral-White | 4000K | 70 | | | 750 | 840 | 178 | | |
| | | | 80 | | | 710 | 790 | 168 | | |
| | | | 9050 | | | 620 | 690 | 146 | | |
| | | | 95 | | | 510 | 575 | 122 | | |
| | | 4500K | 70 | | | 750 | 840 | 178 | | |
| | | | 80 | | | 720 | 805 | 171 | | |
| | | | 9050 | | | 630 | 705 | 150 | | |
| | | | 95 | | | 530 | 590 | 125 | | |
| | Cool-White | 5000K | 70 | | | 750 | 840 | 178 | | |
| | | | 80 | | | 710 | 795 | 169 | | |
| | | | 9050 | | | 630 | 700 | 149 | | |
| | | | 95 | | | 540 | 600 | 127 | | |
| | | 5700K | 70 | | | 740 | 825 | 175 | | |
| | | | 80 | | | 710 | 790 | 168 | | |
| | | | 9050 | | | 630 | 705 | 150 | | |
| | | | 95 | | | 540 | 610 | 129 | | |
| | | 6500K | 70 | | | 740 | 825 | 175 | | |
| | | | 80 | | | 700 | 785 | 167 | | |
| | | | 9050 | | | 630 | 705 | 150 | | |
| | | | 95 | | | 550 | 620 | 132 | | |

Available in Europe and the Americas

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| NFCLL036B-V1M2 | Warm-White | 3500K | No Min | Current: 260mA LED Junction Temperature: 25°C | 35 | 630 | 710 | 78 | 9.1 | Current: 540mA LED Junction Temperature: 140°C |
| | Neutral-White | 4000K | | | | 660 | 740 | 81 | | |
| NFCWL036B-V1M2 | Cool-White | 5300K | | | | 780 | 870 | 96 | | |
| NFCLL036B-V1M3 | Warm-White | 2700K | No Min | | | 700 | 780 | 86 | | |
| | | 3000K | | | | 740 | 830 | 91 | | |
| | | 3500K | | | | 800 | 890 | 98 | | |
| | Neutral-White | 4000K | | | | 840 | 940 | 103 | | |
| | | 4500K | | | | 870 | 970 | 107 | | |
| NFCWL036B-V1M3 | Cool-White | 5000K | | | | 900 | 1000 | 110 | | |
| NFCLL036B-V1M7 | Warm-White | 3000K | No Min | | | 1130 | 1260 | 138 | | |
| | | 3200K | | | | 1140 | 1270 | 140 | | |
| | | 3500K | | | | 1160 | 1290 | 142 | | |
| | Neutral-White | 4000K | | | | 1170 | 1300 | 143 | | |

Available in Europe and the Americas


LED LIGHT SOURCES

## NICHIA COB *(continued)*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| NFCWL036B-V2 | Warm-White | 2200K | 80 | Current: 260mA LED Junction Temperature: 25°C | 34.7 | 1140 | 1270 | 141 | 9.0 | Current: 540mA LED Junction Temperature: 140°C |
| | | | 9050 | | | 910 | 1020 | 113 | | |
| | | 2500K | 80 | | | 1200 | 1340 | 149 | | |
| | | | 9050 | | | 1010 | 1130 | 125 | | |
| | | 2700K | 70 | | | 1380 | 1540 | 171 | | |
| | | | 80 | | | 1270 | 1420 | 157 | | |
| | | | 9050 | | | 1090 | 1220 | 135 | | |
| | | | 95 | | | 870 | 970 | 108 | | |
| | | 3000K | 70 | | | 1410 | 1570 | 174 | | |
| | | | 80 | | | 1320 | 1470 | 163 | | |
| | | | 9050 | | | 1140 | 1270 | 141 | | |
| | | | 95 | | | 930 | 1040 | 115 | | |
| | | 3500K | 70 | | | 1450 | 1620 | 180 | | |
| | | | 80 | | | 1350 | 1510 | 167 | | |
| | | | 9050 | | | 1180 | 1320 | 146 | | |
| | | | 95 | | | 990 | 1100 | 122 | | |
| | Neutral-White | 4000K | 70 | | | 1480 | 1650 | 183 | | |
| | | | 80 | | | 1380 | 1540 | 171 | | |
| | | | 9050 | | | 1210 | 1350 | 150 | | |
| | | | 95 | | | 1010 | 1130 | 125 | | |
| | | 4500K | 70 | | | 1480 | 1650 | 183 | | |
| | | | 80 | | | 1420 | 1580 | 175 | | |
| | | | 9050 | | | 1250 | 1390 | 154 | | |
| | | | 95 | | | 1030 | 1150 | 127 | | |
| | Cool-White | 5000K | 70 | | | 1480 | 1650 | 183 | | |
| | | | 80 | | | 1390 | 1550 | 172 | | |
| | | | 9050 | | | 1230 | 1370 | 152 | | |
| | | | 95 | | | 1060 | 1180 | 131 | | |
| | | 5700K | 70 | | | 1450 | 1620 | 180 | | |
| | | | 80 | | | 1390 | 1550 | 172 | | |
| | | | 9050 | | | 1250 | 1390 | 154 | | |
| | | | 95 | | | 1080 | 1200 | 133 | | |
| | | 6500K | 70 | | | 1450 | 1620 | 180 | | |
| | | | 80 | | | 1370 | 1530 | 170 | | |
| | | | 9050 | | | 1250 | 1390 | 154 | | |
| | | | 95 | | | 1090 | 1220 | 135 | | |

Available in Europe and the Americas

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| NFCWL048B-V2 | Warm-White | 2200K | 80 | Current: 360mA LED Junction Temperature: 25°C | 34.8 | 1580 | 1760 | 140 | 12.5 | Current: 720mA LED Junction Temperature: 140°C |
| | | | 9050 | | | 1290 | 1440 | 115 | | |
| | | 2500K | 80 | | | 1680 | 1870 | 149 | | |
| | | | 9050 | | | 1430 | 1590 | 127 | | |
| | | 2700K | 70 | | | 1930 | 2150 | 172 | | |
| | | | 80 | | | 1770 | 1970 | 157 | | |
| | | | 9050 | | | 1550 | 1730 | 138 | | |
| | | | 95 | | | 1220 | 1360 | 109 | | |
| | | 3000K | 70 | | | 1970 | 2190 | 175 | | |
| | | | 80 | | | 1830 | 2040 | 163 | | |
| | | | 9050 | | | 1610 | 1790 | 143 | | |
| | | | 95 | | | 1310 | 1460 | 117 | | |
| | | 3500K | 70 | | | 2030 | 2260 | 180 | | |
| | | | 80 | | | 1890 | 2100 | 168 | | |
| | | | 9050 | | | 1670 | 1860 | 148 | | |
| | | | 95 | | | 1380 | 1540 | 123 | | |
| | Neutral-White | 4000K | 70 | | | 2070 | 2300 | 184 | | |
| | | | 80 | | | 1930 | 2150 | 172 | | |
| | | | 9050 | | | 1710 | 1910 | 152 | | |
| | | | 95 | | | 1430 | 1590 | 127 | | |
| | | 4500K | 70 | | | 2070 | 2300 | 184 | | |
| | | | 80 | | | 1970 | 2190 | 175 | | |
| | | | 9050 | | | 1760 | 1960 | 156 | | |
| | | | 95 | | | 1450 | 1620 | 129 | | |
| | Cool-White | 5000K | 70 | | | 2070 | 2300 | 184 | | |
| | | | 80 | | | 1940 | 2160 | 172 | | |
| | | | 9050 | | | 1730 | 1930 | 154 | | |
| | | | 95 | | | 1480 | 1650 | 132 | | |
| | | 5700K | 70 | | | 2030 | 2260 | 180 | | |
| | | | 80 | | | 1940 | 2160 | 172 | | |
| | | | 9050 | | | 1760 | 1960 | 156 | | |
| | | | 95 | | | 1510 | 1680 | 134 | | |
| | | 6500K | 70 | | | 2030 | 2260 | 180 | | |
| | | | 80 | | | 1910 | 2130 | 170 | | |
| | | | 9050 | | | 1760 | 1960 | 156 | | |
| | | | 95 | | | 1530 | 1710 | 136 | | |

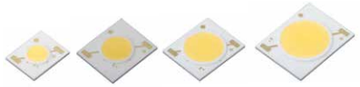
Available in Europe and the Americas


LED LIGHT SOURCES

## NICHIA COB *(continued)*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| NFCLL060B-V1M2 | Warm-White | 3500K | No Min | Current: 460mA LED Junction Temperature: 25°C | 35.2 | 1130 | 1260 | 78 | 16.2 | Current: 900mA LED Junction Temperature: 140°C |
| | Neutral-White | 4000K | | | | 1180 | 1320 | 81 | | |
| NFCWL060B-V1M2 | Cool-White | 5300K | | | | 1370 | 1530 | 94 | | |
| NFCLL060B-V1M3 | Warm-White | 2700K | No Min | | | 1240 | 1380 | 85 | | |
| | | 3000K | | | | 1310 | 1460 | 90 | | |
| | | 3500K | | | | 1410 | 1570 | 97 | | |
| | Neutral-White | 4000K | | | | 1500 | 1670 | 103 | | |
| | | 4500K | | | | 1540 | 1720 | 106 | | |
| NFCWL060B-V1M3 | Cool-White | 5000K | | | | 1590 | 1770 | 109 | | |
| NFCLL060B-V1M7 | Warm-White | 3000K | No Min | | | 1990 | 2220 | 137 | | |
| | | 3200K | | | | 2020 | 2235 | 138 | | |
| | | 3500K | | | | 2050 | 2280 | 141 | | |
| | Neutral-White | 4000K | | | | 2070 | 2300 | 142 | | |

Available in Europe and the Americas



| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| NFCWL060B-V2 | Warm-White | 2200K | 80 | Current: 460mA LED Junction Temperature: 25°C | 34.9 | 2030 | 2260 | 141 | 16.1 | Current: 900mA LED Junction Temperature: 140°C |
| | | | 9050 | | | 1620 | 1800 | 112 | | |
| | | 2500K | 80 | | | 2150 | 2390 | 149 | | |
| | | | 9050 | | | 1790 | 1990 | 124 | | |
| | | 2700K | 70 | | | 2440 | 2720 | 169 | | |
| | | | 80 | | | 2270 | 2530 | 158 | | |
| | | | 9050 | | | 1940 | 2160 | 135 | | |
| | | | 95 | | | 1530 | 1710 | 107 | | |
| | | 3000K | 70 | | | 2500 | 2780 | 173 | | |
| | | | 80 | | | 2340 | 2610 | 163 | | |
| | | | 9050 | | | 2010 | 2240 | 140 | | |
| | | | 95 | | | 1640 | 1830 | 114 | | |
| | | 3500K | 70 | | | 2570 | 2860 | 178 | | |
| | | | 80 | | | 2420 | 2690 | 168 | | |
| | | | 9050 | | | 2090 | 2330 | 145 | | |
| | | | 95 | | | 1740 | 1940 | 121 | | |
| | Neutral-White | 4000K | 70 | | | 2610 | 2910 | 181 | | |
| | | | 80 | | | 2470 | 2750 | 171 | | |
| | | | 9050 | | | 2150 | 2390 | 149 | | |
| | | | 95 | | | 1800 | 2000 | 125 | | |
| | | 4500K | 70 | | | 2610 | 2910 | 181 | | |
| | | | 80 | | | 2520 | 2800 | 174 | | |
| | | | 9050 | | | 2200 | 2450 | 153 | | |
| | | | 95 | | | 1830 | 2040 | 127 | | |
| | Cool-White | 5000K | 70 | | | 2610 | 2910 | 181 | | |
| | | | 80 | | | 2480 | 2760 | 172 | | |
| | | | 9050 | | | 2170 | 2420 | 151 | | |
| | | | 95 | | | 1870 | 2080 | 130 | | |
| | | 5700K | 70 | | | 2570 | 2860 | 178 | | |
| | | | 80 | | | 2480 | 2760 | 172 | | |
| | | | 9050 | | | 2200 | 2450 | 153 | | |
| | | | 95 | | | 1900 | 2120 | 132 | | |
| | | 6500K | 70 | | | 2570 | 2860 | 178 | | |
| | | | 80 | | | 2450 | 2730 | 170 | | |
| | | | 9050 | | | 2200 | 2450 | 153 | | |
| | | | 95 | | | 1940 | 2160 | 135 | | |

Available in Europe and the Americas

## NICHIA COB *(continued)*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| NFCWL072B-V2 | Warm-White | 2200K | 80 | Current: 540mA LED Junction Temperature: 25°C | 34.8 | 2350 | 2620 | 139 | 18.8 | Current: 1080mA LED Junction Temperature: 140°C |
| | | | 9050 | | | 1880 | 2090 | 111 | | |
| | | 2500K | 80 | | | 2490 | 2770 | 147 | | |
| | | | 9050 | | | 2070 | 2310 | 123 | | |
| | | 2700K | 70 | | | 2840 | 3160 | 168 | | |
| | | | 80 | | | 2630 | 2930 | 156 | | |
| | | | 9050 | | | 2250 | 2510 | 134 | | |
| | | | 95 | | | 1780 | 1980 | 105 | | |
| | | 3000K | 70 | | | 2890 | 3220 | 171 | | |
| | | | 80 | | | 2710 | 3020 | 161 | | |
| | | | 9050 | | | 2340 | 2600 | 138 | | |
| | | | 95 | | | 1910 | 2130 | 113 | | |
| | | 3500K | 70 | | | 2980 | 3320 | 177 | | |
| | | | 80 | | | 2800 | 3120 | 166 | | |
| | | | 9050 | | | 2430 | 2700 | 144 | | |
| | | | 95 | | | 2020 | 2250 | 120 | | |
| | Neutral-White | 4000K | 70 | | | 3040 | 3380 | 180 | | |
| | | | 80 | | | 2860 | 3180 | 169 | | |
| | | | 9050 | | | 2490 | 2770 | 147 | | |
| | | | 95 | | | 2080 | 2320 | 123 | | |
| | | 4500K | 70 | | | 3040 | 3380 | 180 | | |
| | | | 80 | | | 2920 | 3250 | 173 | | |
| | | | 9050 | | | 2550 | 2840 | 151 | | |
| | | | 95 | | | 2120 | 2360 | 126 | | |
| | Cool-White | 5000K | 70 | | | 3040 | 3380 | 180 | | |
| | | | 80 | | | 2870 | 3190 | 170 | | |
| | | | 9050 | | | 2520 | 2800 | 149 | | |
| | | | 95 | | | 2160 | 2410 | 128 | | |
| | | 5700K | 70 | | | 2980 | 3320 | 177 | | |
| | | | 80 | | | 2870 | 3190 | 170 | | |
| | | | 9050 | | | 2550 | 2840 | 151 | | |
| | | | 95 | | | 2210 | 2460 | 131 | | |
| | | 6500K | 70 | | | 2980 | 3320 | 177 | | |
| | | | 80 | | | 2840 | 3160 | 168 | | |
| | | | 9050 | | | 2550 | 2840 | 151 | | |
| | | | 95 | | | 2250 | 2500 | 133 | | |

Available in Europe and the Americas

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| NFCWJ084B-V2 | Warm-White | 2200K | 80 | Current: 670mA LED Junction Temperature: 25°C | 35.0 | 2900 | 3230 | 138 | 23.5 | Current: 1260mA LED Junction Temperature: 140°C |
| | | | 9050 | | | 2340 | 2610 | 111 | | |
| | | 2500K | 80 | | | 3070 | 3420 | 146 | | |
| | | | 9050 | | | 2590 | 2880 | 123 | | |
| | | 2700K | 70 | | | 3530 | 3930 | 168 | | |
| | | | 80 | | | 3240 | 3610 | 154 | | |
| | | | 9050 | | | 2800 | 3120 | 133 | | |
| | | | 95 | | | 2220 | 2470 | 105 | | |
| | | 3000K | 70 | | | 3600 | 4010 | 171 | | |
| | | | 80 | | | 3350 | 3730 | 159 | | |
| | | | 9050 | | | 2910 | 3240 | 138 | | |
| | | | 95 | | | 2380 | 2650 | 113 | | |
| | | 3500K | 70 | | | 3710 | 4130 | 176 | | |
| | | | 80 | | | 3460 | 3850 | 164 | | |
| | | | 9050 | | | 3030 | 3370 | 144 | | |
| | | | 95 | | | 2520 | 2810 | 120 | | |
| | Neutral-White | 4000K | 70 | | | 3780 | 4210 | 180 | | |
| | | | 80 | | | 3530 | 3930 | 168 | | |
| | | | 9050 | | | 3110 | 3460 | 148 | | |
| | | | 95 | | | 2600 | 2890 | 123 | | |
| | | 4500K | 70 | | | 3780 | 4210 | 180 | | |
| | | | 80 | | | 3600 | 4010 | 171 | | |
| | | | 9050 | | | 3180 | 3540 | 151 | | |
| | | | 95 | | | 2650 | 2950 | 126 | | |
| | Cool-White | 5000K | 70 | | | 3780 | 4210 | 180 | | |
| | | | 80 | | | 3540 | 3940 | 168 | | |
| | | | 9050 | | | 3150 | 3500 | 149 | | |
| | | | 95 | | | 2700 | 3010 | 128 | | |
| | | 5700K | 70 | | | 3710 | 4130 | 176 | | |
| | | | 80 | | | 3540 | 3940 | 168 | | |
| | | | 9050 | | | 3180 | 3540 | 151 | | |
| | | | 95 | | | 2750 | 3060 | 130 | | |
| | | 6500K | 70 | | | 3710 | 4130 | 176 | | |
| | | | 80 | | | 3510 | 3900 | 166 | | |
| | | | 9050 | | | 3180 | 3540 | 151 | | |
| | | | 95 | | | 2800 | 3120 | 133 | | |

Available in Europe and the Americas


LED LIGHT SOURCES

## NICHIA COB *(continued)*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| NFCWJ096B-V2 | Warm-White | 2200K | 80 | Current: 760mA LED Junction Temperature: 25°C | 35.0 | 3280 | 3650 | 137 | 26.6 | Current: 1440mA LED Junction Temperature: 140°C |
| | | | 9050 | | | 2660 | 2960 | 111 | | |
| | | 2500K | 80 | | | 3470 | 3860 | 145 | | |
| | | | 9050 | | | 2940 | 3270 | 123 | | |
| | | 2700K | 70 | | | 4020 | 4470 | 168 | | |
| | | | 80 | | | 3670 | 4080 | 153 | | |
| | | | 9050 | | | 3190 | 3550 | 133 | | |
| | | | 95 | | | 2520 | 2810 | 106 | | |
| | | 3000K | 70 | | | 4100 | 4560 | 171 | | |
| | | | 80 | | | 3780 | 4210 | 158 | | |
| | | | 9050 | | | 3310 | 3680 | 138 | | |
| | | | 95 | | | 2700 | 3010 | 113 | | |
| | | 3500K | 70 | | | 4220 | 4690 | 176 | | |
| | | | 80 | | | 3910 | 4350 | 164 | | |
| | | | 9050 | | | 3440 | 3830 | 144 | | |
| | | | 95 | | | 2870 | 3190 | 120 | | |
| | Neutral-White | 4000K | 70 | | | 4300 | 4780 | 180 | | |
| | | | 80 | | | 3990 | 4440 | 167 | | |
| | | | 9050 | | | 3530 | 3930 | 148 | | |
| | | | 95 | | | 2950 | 3280 | 123 | | |
| | | 4500K | 70 | | | 4300 | 4780 | 180 | | |
| | | | 80 | | | 4070 | 4530 | 170 | | |
| | | | 9050 | | | 3610 | 4020 | 151 | | |
| | | | 95 | | | 3010 | 3350 | 126 | | |
| | Cool-White | 5000K | 70 | | | 4300 | 4780 | 180 | | |
| | | | 80 | | | 4000 | 4450 | 167 | | |
| | | | 9050 | | | 3570 | 3970 | 149 | | |
| | | | 95 | | | 3060 | 3410 | 128 | | |
| | | 5700K | 70 | | | 4220 | 4690 | 176 | | |
| | | | 80 | | | 4000 | 4450 | 167 | | |
| | | | 9050 | | | 3620 | 4030 | 152 | | |
| | | | 95 | | | 3130 | 3480 | 131 | | |
| | | 6500K | 70 | | | 4220 | 4690 | 176 | | |
| | | | 80 | | | 3960 | 4410 | 166 | | |
| | | | 9050 | | | 3620 | 4030 | 152 | | |
| | | | 95 | | | 3180 | 3540 | 133 | | |

Available in Europe and the Americas

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| NFCLJ108B-V1M2 | Warm-White | 3500K | No Min | Current: 860mA LED Junction Temperature: 25°C | 35.3 | 2110 | 2350 | 77 | 30.4 | Current: 1620mA LED Junction Temperature: 140°C |
| | Neutral-White | 4000K | | | | 2200 | 2450 | 81 | | |
| NFCWJ108B-V1M2 | Cool-White | 5300K | | | | 2570 | 2860 | 94 | | |
| NFCLJ108B-V1M3 | Warm-White | 2700K | | | | 2320 | 2580 | 85 | | |
| | | 3000K | | | | 2440 | 2720 | 90 | | |
| | | 3500K | | | | 2630 | 2930 | 97 | | |
| | Neutral-White | 4000K | | | | 2790 | 3100 | 102 | | |
| | | 4500K | | | | 2880 | 3200 | 105 | | |
| NFCWJ108B-V1M3 | Cool-White | 5000K | | | | 2960 | 3290 | 108 | | |
| NFCLJ108B-V1M7 | Warm-White | 3000K | | | | 3720 | 4140 | 136 | | |
| | | 3200K | | | | 3770 | 4190 | 138 | | |
| | | 3500K | | | | 3820 | 4250 | 140 | | |
| | Neutral-White | 4000K | | | | 3840 | 4270 | 141 | | |

Available in Europe and the Americas


LED LIGHT SOURCES

## NICHIA COB *(continued)*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| NFCWJ108B-V2 | Warm-White | 2200K | 80 | Current: 860mA LED Junction Temperature: 25°C | 35.0 | 3710 | 4130 | 137 | 30.1 | Current: 1620mA LED Junction Temperature: 140°C |
| | | | 9050 | | | 3020 | 3360 | 112 | | |
| | | 2500K | 80 | | | 3940 | 4380 | 146 | | |
| | | | 9050 | | | 3330 | 3710 | 123 | | |
| | | 2700K | 70 | | | 4550 | 5060 | 168 | | |
| | | | 80 | | | 4150 | 4620 | 153 | | |
| | | | 9050 | | | 3610 | 4020 | 134 | | |
| | | | 95 | | | 2860 | 3180 | 106 | | |
| | | 3000K | 70 | | | 4650 | 5170 | 172 | | |
| | | | 80 | | | 4300 | 4780 | 159 | | |
| | | | 9050 | | | 3760 | 4180 | 139 | | |
| | | | 95 | | | 3060 | 3410 | 113 | | |
| | | 3500K | 70 | | | 4780 | 5320 | 177 | | |
| | | | 80 | | | 4430 | 4930 | 164 | | |
| | | | 9050 | | | 3900 | 4340 | 144 | | |
| | | | 95 | | | 3250 | 3620 | 120 | | |
| | Neutral-White | 4000K | 70 | | | 4870 | 5420 | 180 | | |
| | | | 80 | | | 4520 | 5030 | 167 | | |
| | | | 9050 | | | 4000 | 4450 | 148 | | |
| | | | 95 | | | 3340 | 3720 | 124 | | |
| | | 4500K | 70 | | | 4870 | 5420 | 180 | | |
| | | | 80 | | | 4610 | 5130 | 170 | | |
| | | | 9050 | | | 4100 | 4560 | 151 | | |
| | | | 95 | | | 3410 | 3790 | 126 | | |
| | Cool-White | 5000K | 70 | | | 4870 | 5420 | 180 | | |
| | | | 80 | | | 4540 | 5050 | 168 | | |
| | | | 9050 | | | 4050 | 4500 | 150 | | |
| | | | 95 | | | 3480 | 3870 | 129 | | |
| | | 5700K | 70 | | | 4780 | 5320 | 177 | | |
| | | | 80 | | | 4540 | 5050 | 168 | | |
| | | | 9050 | | | 4100 | 4560 | 151 | | |
| | | | 95 | | | 3540 | 3940 | 131 | | |
| | | 6500K | 70 | | | 4780 | 5320 | 177 | | |
| | | | 80 | | | 4490 | 4990 | 166 | | |
| | | | 9050 | | | 4100 | 4560 | 151 | | |
| | | | 95 | | | 3610 | 4020 | 134 | | |

Available in Europe and the Americas

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| NFCWJ120B-V2 | Warm-White | 2200K | 80 | Current: 1050mA LED Junction Temperature: 25°C | 35.3 | 4480 | 4980 | 134 | 37.1 | Current: 1800mA LED Junction Temperature: 140°C |
| | | | 9050 | | | 3640 | 4050 | 109 | | |
| | | 2500K | 80 | | | 4750 | 5280 | 142 | | |
| | | | 9050 | | | 4020 | 4470 | 121 | | |
| | | 2700K | 70 | | | 5490 | 6100 | 165 | | |
| | | | 80 | | | 5010 | 5570 | 150 | | |
| | | | 9050 | | | 4360 | 4850 | 131 | | |
| | | | 95 | | | 3440 | 3830 | 103 | | |
| | | 3000K | 70 | | | 5600 | 6230 | 168 | | |
| | | | 80 | | | 5180 | 5760 | 155 | | |
| | | | 9050 | | | 4520 | 5030 | 136 | | |
| | | | 95 | | | 3700 | 4120 | 111 | | |
| | | 3500K | 70 | | | 5760 | 6410 | 173 | | |
| | | | 80 | | | 5340 | 5940 | 160 | | |
| | | | 9050 | | | 4700 | 5230 | 141 | | |
| | | | 95 | | | 3920 | 4360 | 118 | | |
| | Neutral-White | 4000K | 70 | | | 5880 | 6540 | 176 | | |
| | | | 80 | | | 5450 | 6060 | 163 | | |
| | | | 9050 | | | 4830 | 5370 | 145 | | |
| | | | 95 | | | 4030 | 4480 | 121 | | |
| | | 4500K | 70 | | | 5880 | 6540 | 176 | | |
| | | | 80 | | | 5560 | 6180 | 167 | | |
| | | | 9050 | | | 4940 | 5490 | 148 | | |
| | | | 95 | | | 4110 | 4570 | 123 | | |
| | Cool-White | 5000K | 70 | | | 5880 | 6540 | 176 | | |
| | | | 80 | | | 5470 | 6080 | 164 | | |
| | | | 9050 | | | 4880 | 5430 | 146 | | |
| | | | 95 | | | 4200 | 4670 | 126 | | |
| | | 5700K | 70 | | | 5760 | 6410 | 173 | | |
| | | | 80 | | | 5470 | 6080 | 164 | | |
| | | | 9050 | | | 4950 | 5500 | 148 | | |
| | | | 95 | | | 4270 | 4750 | 128 | | |
| | | 6500K | 70 | | | 5760 | 6410 | 173 | | |
| | | | 80 | | | 5410 | 6020 | 162 | | |
| | | | 9050 | | | 4950 | 5500 | 148 | | |
| | | | 95 | | | 4350 | 4840 | 131 | | |

Available in Europe and the Americas

## NICHIA COB *(continued)*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| NFDLJ130B-V1M2 | Warm-White | 3500K | No Min | Current: 1150mA LED Junction Temperature: 25°C | 39.2 | 3010 | 3350 | 74 | 45.1 | Current: 1800mA LED Junction Temperature: 140°C |
| | Neutral-White | 4000K | | | | 3140 | 3490 | 77 | | |
| NFDWJ130B-V1M2 | Cool-White | 5300K | | | | 3650 | 4060 | 90 | | |
| NFDLJ130B-V1M3 | Warm-White | 2700K | No Min | | | 3290 | 3660 | 81 | | |
| | | 3000K | | | | 3480 | 3870 | 86 | | |
| | | 3500K | | | | 3740 | 4160 | 92 | | |
| | Neutral-White | 4000K | | | | 3960 | 4410 | 98 | | |
| | | 4500K | | | | 4090 | 4550 | 101 | | |
| NFDWJ130B-V1M3 | Cool-White | 5000K | | | | 4210 | 4680 | 104 | | |
| NFDLJ130B-V1M7 | Warm-White | 3000K | No Min | | | 5290 | 5880 | 130 | | |
| | | 3200K | | | | 5350 | 5950 | 132 | | |
| | | 3500K | | | | 5430 | 6040 | 134 | | |
| | Neutral-White | 4000K | | | | 5460 | 6070 | 135 | | |

Available in Europe and the Americas

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| NFDWJ130B-V2 | Warm-White | 2200K | 80 | Current: 1150mA LED Junction Temperature: 25°C | 38.6 | 5280 | 5870 | 132 | 44.4 | Current: 1800mA LED Junction Temperature: 140°C |
| | | | 9050 | | | 4290 | 4770 | 107 | | |
| | | 2500K | 80 | | | 5590 | 6220 | 140 | | |
| | | | 9050 | | | 4740 | 5270 | 119 | | |
| | | 2700K | 70 | | | 6480 | 7200 | 162 | | |
| | | | 80 | | | 5910 | 6570 | 148 | | |
| | | | 9050 | | | 5130 | 5710 | 129 | | |
| | | | 95 | | | 4060 | 4520 | 102 | | |
| | | 3000K | 70 | | | 6600 | 7340 | 165 | | |
| | | | 80 | | | 6100 | 6780 | 153 | | |
| | | | 9050 | | | 5330 | 5930 | 134 | | |
| | | | 95 | | | 4360 | 4850 | 109 | | |
| | | 3500K | 70 | | | 6800 | 7560 | 170 | | |
| | | | 80 | | | 6300 | 7000 | 158 | | |
| | | | 9050 | | | 5550 | 6170 | 139 | | |
| | | | 95 | | | 4620 | 5140 | 116 | | |
| | Neutral-White | 4000K | 70 | | | 6930 | 7700 | 173 | | |
| | | | 80 | | | 6430 | 7150 | 161 | | |
| | | | 9050 | | | 5680 | 6320 | 142 | | |
| | | | 95 | | | 4750 | 5280 | 119 | | |
| | | 4500K | 70 | | | 6930 | 7700 | 173 | | |
| | | | 80 | | | 6560 | 7290 | 164 | | |
| | | | 9050 | | | 5820 | 6470 | 146 | | |
| | | | 95 | | | 4850 | 5390 | 121 | | |
| | Cool-White | 5000K | 70 | | | 6930 | 7700 | 173 | | |
| | | | 80 | | | 6450 | 7170 | 162 | | |
| | | | 9050 | | | 5750 | 6390 | 144 | | |
| | | | 95 | | | 4950 | 5500 | 124 | | |
| | | 5700K | 70 | | | 6800 | 7560 | 170 | | |
| | | | 80 | | | 6450 | 7170 | 162 | | |
| | | | 9050 | | | 5830 | 6480 | 146 | | |
| | | | 95 | | | 5040 | 5600 | 126 | | |
| | | 6500K | 70 | | | 6800 | 7560 | 170 | | |
| | | | 80 | | | 6390 | 7100 | 160 | | |
| | | | 9050 | | | 5830 | 6480 | 146 | | |
| | | | 95 | | | 5130 | 5700 | 128 | | |

Available in Europe and the Americas

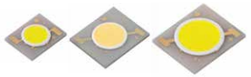
## NICHIA COB *(continued)*

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| NFEWH306B-V2 | Warm-White | 2200K | 80 | Current: 1400mA LED Junction Temperature: 25°C | 51.9 | tbd | 10070 | 139 | 72.7 | Current: 2100mA LED Junction Temperature: 140°C |
| | | | 9050 | | | tbd | 8240 | 113 | | |
| | | 2500K | 80 | | | tbd | 10670 | 147 | | |
| | | | 9050 | | | tbd | 9100 | 125 | | |
| | | 2700K | 70 | | | tbd | 12260 | 169 | | |
| | | | 80 | | | tbd | 11270 | 155 | | |
| | | | 9050 | | | tbd | 9860 | 136 | | |
| | | | 95 | | | tbd | 7750 | 107 | | |
| | | 3000K | 70 | | | tbd | 12500 | 172 | | |
| | | | 80 | | | tbd | 11640 | 160 | | |
| | | | 9050 | | | tbd | 10240 | 141 | | |
| | | | 95 | | | tbd | 8320 | 115 | | |
| | | 3500K | 70 | | | tbd | 12880 | 177 | | |
| | | | 80 | | | tbd | 12010 | 165 | | |
| | | | 9050 | | | tbd | 10640 | 146 | | |
| | | | 95 | | | tbd | 8820 | 121 | | |
| | Neutral-White | 4000K | 70 | | | tbd | 13120 | 181 | | |
| | | | 80 | | | tbd | 12260 | 169 | | |
| | | | 9050 | | | tbd | 10910 | 150 | | |
| | | | 95 | | | tbd | 9060 | 125 | | |
| | | 4500K | 70 | | | tbd | 13120 | 181 | | |
| | | | 80 | | | tbd | 12500 | 172 | | |
| | | | 9050 | | | tbd | 11170 | 154 | | |
| | | | 95 | | | tbd | 9250 | 127 | | |
| | | 5000K | 70 | | | tbd | 13120 | 181 | | |
| | | | 80 | | | tbd | 12300 | 169 | | |
| | | | 9050 | | | tbd | 11040 | 152 | | |
| | | | 95 | | | tbd | 9430 | 130 | | |
| | | 5700K | 70 | | | tbd | 12880 | 177 | | |
| | | | 80 | | | tbd | 12300 | 169 | | |
| | | | 9050 | | | tbd | 11190 | 154 | | |
| | | | 95 | | | tbd | 9610 | 132 | | |
| | | 6500K | 70 | | | tbd | 12880 | 177 | | |
| | | | 80 | | | tbd | 12170 | 167 | | |
| | | | 9050 | | | tbd | 11190 | 154 | | |
| | | | 95 | | | tbd | 9790 | 135 | | |

Available in Europe and the Americas







## NICHIA COB Z SERIES

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| NJCLS024Z | Warm-White | 2200K | 80 | Current: 500mA LED Junction Temperature: 25°C | 35.8 | 1450 | 1620 | 91 | 17.9 | Current: 1000mA LED Junction Temperature: 150°C |
| | | | 9050 | | | 1070 | 1190 | 66 | | |
| | | 2500K | 80 | | | 1520 | 1690 | 94 | | |
| | | | 9050 | | | 1080 | 1210 | 68 | | |
| | | 2700K | 70 | | | 1940 | 2160 | 121 | | |
| | | | 80 | | | 1700 | 1890 | 106 | | |
| | | | 9050 | | | 1480 | 1650 | 92 | | |
| | | 3000K | 70 | | | 1970 | 2190 | 122 | | |
| | | | 80 | | | 1780 | 1980 | 111 | | |
| | | | 9050 | | | 1540 | 1720 | 96 | | |
| | | 3500K | 70 | | | 2040 | 2270 | 127 | | |
| | | | 80 | | | 1870 | 2080 | 116 | | |
| | | | 9050 | | | 1610 | 1790 | 100 | | |
| | Neutral-White | 4000K | 70 | | | 2090 | 2330 | 130 | | |
| | | | 80 | | | 1950 | 2170 | 121 | | |
| | | | 9050 | | | 1640 | 1830 | 102 | | |
| | | 4500K | 70 | | | 2120 | 2360 | 132 | | |
| | | | 80 | | | 1990 | 2220 | 124 | | |
| | | | 9050 | | | 1690 | 1880 | 105 | | |
| NJCWS024Z | Cool-White | 5000K | No Min | | | 2160 | 2400 | 134 | | |
| | | | 70 | | | 2140 | 2380 | 133 | | |
| | | | 80 | | | 1980 | 2200 | 123 | | |
| | | | 9050 | | | 1660 | 1850 | 103 | | |
| | | 5700K | 70 | | | 2090 | 2330 | 130 | | |
| | | | 80 | | | 2000 | 2230 | 125 | | |
| | | | 9050 | | | 1800 | 2010 | 112 | | |
| | | 6500K | 70 | | | 2090 | 2330 | 130 | | |
| | | | 80 | | | 2040 | 2270 | 127 | | |
| | | | 9050 | | | 1820 | 2030 | 113 | | |
| NJCLS024Z-M2 | Warm-White | 3500K | No Min | Current: 500mA LED Junction Temperature: 25°C | 35.8 | 860 | 960 | 54 | 17.9 | Current: 1000mA LED Junction Temperature: 150°C |
| NJCWS024Z-M2 | Cool-White | 5300K | | | | 1070 | 1190 | 66 | | |
| NJCLS024Z-M3 | Warm-White | 2700K | | | | 930 | 1040 | 58 | | |
| | | 3000K | | | | 990 | 1100 | 61 | | |
| | | 3500K | | | | 1060 | 1180 | 66 | | |
| | | 4000K | | | | 1120 | 1250 | 70 | | |
| | | 4500K | | | | 1190 | 1330 | 74 | | |
| NJCWS024Z-M3 | Cool-White | 5000K | | | | 1230 | 1370 | 77 | | |
| NJCLS024Z-M7 | Warm-White | 3000K | | | | 1530 | 1707 | 95 | | |
| | | 3200K | | | | 1540 | 1717 | 96 | | |
| | | 3500K | | | | 1550 | 1726 | 96 | | |
| | | 4000K | | | | 1620 | 1796 | 100 | | |

Available in Europe and the Americas

NICHIA

## NICHIA COB Z SERIES *(continued)*

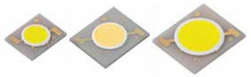
| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| NVCLL024Z | Warm-White | 2200K | 80 | Current: 1200mA LED Junction Temperature: 25°C | 35.4 | 3460 | 3850 | 91 | 42.5 | Current: 2200mA LED Junction Temperature: 150°C |
| | | | 9050 | | | 2550 | 2840 | 67 | | |
| | | 2500K | 80 | | | 3620 | 4030 | 95 | | |
| | | | 9050 | | | 2590 | 2880 | 68 | | |
| | | 2700K | 70 | | | 4620 | 5140 | 121 | | |
| | | | 80 | | | 4050 | 4510 | 106 | | |
| | | | 9050 | | | 3540 | 3940 | 93 | | |
| | | 3000K | 70 | | | 4690 | 5220 | 123 | | |
| | | | 80 | | | 4230 | 4710 | 111 | | |
| | | | 9050 | | | 3690 | 4100 | 97 | | |
| | | 3500K | 70 | | | 4860 | 5400 | 127 | | |
| | | | 80 | | | 4460 | 4960 | 117 | | |
| | | | 9050 | | | 3830 | 4260 | 100 | | |
| | Neutral-White | 4000K | 70 | | | 5000 | 5560 | 131 | | |
| | | | 80 | | | 4650 | 5170 | 122 | | |
| | | | 9050 | | | 3920 | 4360 | 103 | | |
| | | 4500K | 70 | | | 5040 | 5610 | 132 | | |
| | | | 80 | | | 4770 | 5300 | 125 | | |
| | | | 9050 | | | 4020 | 4470 | 105 | | |
| NVCWL024Z | Cool-White | 5000K | No Min | | | 5130 | 5710 | 134 | | |
| | | | 70 | | | 5090 | 5660 | 133 | | |
| | | | 80 | | | 4720 | 5250 | 124 | | |
| | | | 9050 | | | 3970 | 4420 | 104 | | |
| | | 5700K | 70 | | | 4990 | 5550 | 131 | | |
| | | | 80 | | | 4780 | 5320 | 125 | | |
| | | | 9050 | | | 4310 | 4790 | 113 | | |
| | | 6500K | 70 | | | 4990 | 5550 | 131 | | |
| | | | 80 | | | 4860 | 5400 | 127 | | |
| | | | 9050 | | | 4340 | 4830 | 114 | | |
| NVCLL024Z-M2 | Warm-White | 3500K | No Min | Current: 1200mA LED Junction Temperature: 25°C | 35.4 | 2070 | 2300 | 54 | 42.5 | Current: 2200mA LED Junction Temperature: 150°C |
| NVCWL024Z-M2 | Cool-White | 5300K | | | | 2560 | 2850 | 67 | | |
| NVCLL024Z-M3 | Warm-White | 2700K | | | | 2230 | 2480 | 58 | | |
| | | 3000K | | | | 2350 | 2620 | 62 | | |
| | | 3500K | | | | 2530 | 2820 | 66 | | |
| | | 4000K | | | | 2690 | 2990 | 70 | | |
| | | 4500K | | | | 2860 | 3180 | 75 | | |
| NVCWL024Z-M3 | Cool-White | 5000K | | | | 2940 | 3270 | 77 | | |
| NVCLL024Z-M7 | Warm-White | 3000K | | | | 3680 | 4231 | 100 | | |
| | | 3200K | | | | 3700 | 4281 | 101 | | |
| | | 3500K | | | | 3720 | 4340 | 102 | | |
| | | 4000K | | | | 3870 | 4360 | 103 | | |

Available in Europe and the Americas





NICHIA



| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| NVELJ048Z | Warm-White | 2200K | 80 | Current: 1800mA LED Junction Temperature: 25°C | 47.2 | 6760 | 7520 | 89 | 85.0 | Current: 3300mA LED Junction Temperature: 150°C |
| | | | 9050 | | | 4990 | 5550 | 65 | | |
| | | 2500K | 80 | | | 7080 | 7870 | 93 | | |
| | | | 9050 | | | 5040 | 5610 | 66 | | |
| | | 2700K | 70 | | | 9010 | 10020 | 118 | | |
| | | | 80 | | | 7920 | 8800 | 104 | | |
| | | | 9050 | | | 6920 | 7690 | 91 | | |
| | | 3000K | 70 | | | 9170 | 10190 | 120 | | |
| | | | 80 | | | 8260 | 9180 | 108 | | |
| | | | 9050 | | | 7200 | 8000 | 94 | | |
| | | 3500K | 70 | | | 9470 | 10530 | 124 | | |
| | | | 80 | | | 8700 | 9670 | 114 | | |
| | | | 9050 | | | 7470 | 8300 | 98 | | |
| | Neutral-White | 4000K | 70 | | | 9750 | 10840 | 128 | | |
| | | | 80 | | | 9060 | 10070 | 119 | | |
| | | | 9050 | | | 7650 | 8510 | 100 | | |
| | | 4500K | 70 | | | 9840 | 10940 | 129 | | |
| | | | 80 | | | 9290 | 10330 | 122 | | |
| | | | 9050 | | | 7830 | 8710 | 103 | | |
| NVEWJ048Z | Cool-White | 5000K | No Min | | | 10010 | 11130 | 131 | | |
| | | | 70 | | | 9920 | 11030 | 130 | | |
| | | | 80 | | | 9200 | 10230 | 120 | | |
| | | | 9050 | | | 7740 | 8610 | 101 | | |
| | | 5700K | 70 | | | 9730 | 10820 | 127 | | |
| | | | 80 | | | 9340 | 10380 | 122 | | |
| | | | 9050 | | | 8390 | 9330 | 110 | | |
| | | 6500K | 70 | | | 9730 | 10820 | 127 | | |
| | | | 80 | | | 9490 | 10550 | 124 | | |
| | | | 9050 | | | 8480 | 9430 | 111 | | |
| NVELJ048Z-M2 | Warm-White | 3500K | No Min | Current: 1800mA LED Junction Temperature: 25°C | 47.2 | 4030 | 4480 | 53 | 85.0 | Current: 3300mA LED Junction Temperature: 150°C |
| NVEWJ048Z-M2 | Cool-White | 5300K | | | | 4990 | 5550 | 65 | | |
| NVELJ048Z-M3 | Warm-White | 2700K | | | | 4350 | 4840 | 57 | | |
| | | 3000K | | | | 4600 | 5120 | 60 | | |
| | | 3500K | | | | 4950 | 5500 | 65 | | |
| | | 4000K | | | | 5240 | 5830 | 69 | | |
| | | 4500K | | | | 5580 | 6210 | 73 | | |
| NVEWJ048Z-M3 | Cool-White | 5000K | | | | 5740 | 6380 | 75 | | |
| NVELJ048Z-M7 | Warm-White | 3000K | | | | 7170 | 8270 | 97 | | |
| | | 3200K | | | | 7220 | 8360 | 98 | | |
| | | 3500K | | | | 7270 | 8490 | 100 | | |
| | | 4000K | | | | 7540 | 8530 | 100 | | |

Available in Europe and the Americas

# LED Light Engines & Modules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AMERICAN BRIGHT OPTOELECTRONICS CORP. bridgelux generalluminaire HPWINNER LUMILEDS NICHIA PHILIPS RENA simpleLED



# LED Light Engines & Modules
## Linear Boards

bridgelux

### BRIDGELUX L0280-280mm X 24mm

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Pulsed Flux (lm) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXEB-L0280Z-30E1000-C-A3 | Warm-White | 3000 K | 80 | Current: 350mA Tc2 = 50°C | 22.1 | 1085 | 1205 | 156 | 7.7 | 700mA LED Operating Case Temperature: 85°C |
| BXEB-L0280Z-35E1000-C-A3 | | 3500 K | 80 | | 22.1 | 1085 | 1205 | 156 | 7.7 | |
| BXEB-L0280Z-40E1000-C-A3 | Neutral | 4000 K | 80 | | 22.1 | 1107 | 1230 | 159 | 7.7 | |
| BXEB-L0280Z-50E1000-C-A3 | Cool-White | 5000 K | 80 | | 22.1 | 1107 | 1230 | 159 | 7.7 | |
| BXEB-L0280Z-57E1000-C-A3 | | 5700 K | 80 | | 22.1 | 1107 | 1230 | 159 | 7.7 | |

### BRIDGELUX L0560-560mm X 24mm

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Pulsed Flux (lm) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXEB-L0560Z-30E2000-C-A3 | Warm-White | 3000 K | 80 | Current: 700mA Tc2 = 50°C | 22.1 | 2169 | 2410 | 156 | 15.5 | 1400mA LED Operating Case Temperature: 85°C |
| BXEB-L0560Z-35E2000-C-A3 | | 3500 K | 80 | | 22.1 | 2169 | 2410 | 156 | 15.5 | |
| BXEB-L0560Z-40E2000-C-A3 | Neutral | 4000 K | 80 | | 22.1 | 2214 | 2460 | 159 | 15.5 | |
| BXEB-L0560Z-50E2000-C-A3 | Cool-White | 5000 K | 80 | | 22.1 | 2214 | 2460 | 159 | 15.5 | |
| BXEB-L0560Z-57E2000-C-A3 | | 5700 K | 80 | | 22.1 | 2214 | 2460 | 159 | 15.5 | |

### BRIDGELUX L1120-1120mm X 24mm

| Part Number | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Minimum Pulsed Flux (lm) | Typical Pulsed Flux (lm) | Typical Efficacy (lm/W) | Typical Power (W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| BXEB-L1120Z-30E4000-C-A3 | Warm-White | 3000 K | 80 | Current: 700mA Tc2 = 50°C | 44.2 | 4338 | 4820 | 156 | 31 | 1400mA LED Operating Case Temperature: 85°C |
| BXEB-L1120Z-35E4000-C-A3 | | 3500 K | 80 | | 44.2 | 4338 | 4820 | 156 | 31 | |
| BXEB-L1120Z-40E4000-C-A3 | Neutral | 4000 K | 80 | | 44.2 | 4428 | 4920 | 159 | 31 | |
| BXEB-L1120Z-50E4000-C-A3 | Cool-White | 5000 K | 80 | | 44.2 | 4428 | 4920 | 159 | 31 | |
| BXEB-L1120Z-57E4000-C-A3 | | 5700 K | 80 | | 44.2 | 4428 | 4920 | 159 | 31 | |

## LUXEON T, TX OR ZES 6-UP BOARDS*

| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|
| RL15030TX06210830WXXX | 6 | 150 x 30 mm | Warm-White | 3000K | 80 | Current: 700mA LED Junction Temperature: 85°C | 16.8 | 1362 | 116 |
| RL15030TX06220835WXXX | | | | 3500K | | | | 1428 | 121 |
| RL15030TX06230840WXXX | | | Neutral-White | 4000K | | | | 1482 | 126 |
| RL15030TX06250740WXXX | | | | | 70 | | | 1614 | 137 |
| RL30025TX06190830WXXX | | 300 x 25 mm | Warm-White | 3000K | 80 | | | 1362 | 116 |
| RL30025TX06190835WXXX | | | | 3500K | | | | 1428 | 121 |
| RL30025TX06200840WXXX | | | Neutral-White | 4000K | | | | 1482 | 126 |
| RL30025TX06240740WXXX | | | | | 70 | | | 1614 | 137 |

*Please contact Marketing for other LED (Luxeon T-ZES) / CCT (2700-6500) / CRI (70-90) combinations.

## TX OR ZES 16-UP BOARDS*

| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|
| RL24550TX16xxx827Wxxx | 16 | 245 x 50 mm | Warm-White | 2700K | 80 | Current: 700mA LED Junction Temperature: 85°C | 44.8 | 3456 | 110 |
| RL24550TX16xxx830Wxxx | | | | 3000K | | | | 3632 | 116 |
| RL24550TX16xxx840Wxxx | | | Neutral-White | 4000K | | | | 3952 | 126 |
| RL24550TX16xxx850Wxxx | | | Cool-White | 5000K | | | | 3952 | 126 |

*Please contact Marketing for other LED (Luxeon T-ZES) / CCT (2700-6500) / CRI (70-90) combinations.

## NICHIA DMC NVSLE21AT 16-UP BOARDS*

| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|
| RL22350ND16xxx727Wxxx | 16 | 223 x 50 mm | Warm-White | 2700K | 70 | Current: 700mA LED Junction Temperature: 85°C | 48.0 | 4182 | 124 |
| RL22350ND16xxx730Wxxx | | | | 3000K | | | | 4416 | 131 |
| RL22350ND16xxx735Wxxx | | | | 3500K | | | | 4565 | 136 |
| RL22350ND16xxx740Wxxx | | | Neutral-White | 4000K | | | | 4618 | 137 |
| RL22350ND16xxx745Wxxx | | | | 4500K | | | | 4680 | 139 |

*Please contact Marketing for other CRI (70-90) and R9 (50-80) combinations.
Board designed to go with standard LEDiL and CARCLO optics.





## RENA 28-UP LUXEON 3535L BOARDS

| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|
| RL28020ML28028822VXXX | 28 | 280 x 20 mm | Warm-White | 2200K | 80 | Current: 700mA LED Junction Temperature: 25°C | 11.6 | 924 | 110 |
| RL28020ML28028825VXXX | | | | 2500K | | | | 952 | 113 |
| RL28020ML28028827VXXX | | | | 2700K | | | | 1232 | 147 |
| RL28020ML28034830VXXX | | | | 3000K | | | | 1232 | 147 |
| RL28020ML28034835VXXX | | | | 3500K | | | | 1232 | 147 |
| RL28020ML28036840VXXX | | | Neutral-White | 4000K | 80 | | | 1288 | 153 |
| RL28020ML28036850VXXX | | | Cool-White | 5000K | | | | 1316 | 157 |
| RL28020ML28031927VXXX | | | Warm-White | 2700K | 90 | | | 1008 | 120 |
| RL28020ML28031930VXXX | | | | 3000K | | | | 1008 | 120 |
| RL28020ML28034940VXXX | | | Neutral-White | 4000K | 85 | | | 1120 | 133 |

*Please contact Marketing; other CCT/CRI combinations are available.

## LINEAR 4-UP LUXEON M BOARDS

| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | Typical VF (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| GLV92RE0381/CW-LM04S30Rxxx | 4 | 140 x 38 mm | Warm-White | 3000K | 70 | Current: 700mA LED Junction Temperature: 85°C | 44.8 | 4000 | 128 | Current: 1050mA LED Junction Temperature: 135°C |
| GLV92RE0381/CW-LM04S40Rxxx | | | Neutral-White | 4000K | | | | 4320 | 138 | |
| GLV92RE0381/CW-LM04S50Rxxx | | | Cool-White | 5000K | | | | 4400 | 140 | |
| GLV92RE0381/CW-LM04S57Rxxx | | | | 5700K | | | | 4440 | 142 | |
| GLV92RE0381/CW-LM04S65Rxxx | | | | 6500K | | | | 4520 | 144 | |
| GLV92RE0381/CW-LM04I27Rxxx | | | Warm-White | 2700K | 80 | | | 3200 | 102 | |
| GLV92RE0381/CW-LM04I30Rxxx | | | | 3000K | | | | 3400 | 108 | |
| GLV92RE0381/CW-LM04I35Rxxx | | | | 3500K | | | | 3480 | 111 | |
| GLV92RE0381/CW-LM04I40Rxxx | | | Neutral-White | 4000K | | | | 3620 | 115 | |
| GLV92RE0381/CW-LM04I50Rxxx | | | Cool-White | 5000K | | | | 3680 | 117 | |

| Optic Options: |
|---|
| xxx = 0LV (LEDiL C12727_STRADA-SQ-VSM) |
| xxx = 0LC (LEDiL C12410_STRADA-SQ-A-T) |
| xxx = 0LW (LEDiL C12767_HB-SQ-A) |
| xxx = 0LA (LEDiL C12726_STRADA-SQ-T-DWC) |
| xxx = 0LF (LEDiL CA13752_STRADA-SQ-FT) |
| xxx = 0L2 (LEDiL C13508_STRADA-SQ-T2) |
| xxx = 0L3 (LEDiL C13687_STRADA-SQ-T3) |
| xxx = 0L6 (LEDiL CA13509_STRADA-SQ-T2) |
| xxx = 0L7 (LEDiL CA14032_STRADA-SQ-T4) |
| xxx = 0L8 (LEDiL C13866_STRADA-SQ-CY) |

## MIDPOWER LINEAR GEN2

### LINEAR 1FT 1100LM BOARDS

| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | Typical VF (V) | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|
| GLV91RS0201/CW-JF24I27A | 24 | 280 x 20 mm | Warm-White | 2700K | 80 | Current: 700mA LED Junction Temperature: 25°C | 11.9 | 1379 | 165 |
| GLV91RS0201/CW-JF24I30A | | | | 3000K | | | | 1401 | 168 |
| GLV91RS0201/CW-JF24I35A | | | | 3500K | | | | 1422 | 170 |
| GLV91RS0201/CW-JF24I40A | | | Neutral-White | 4000K | | | | 1465 | 176 |
| GLV91RS0201/CW-JF24I50A | | | Cool-White | 5000K | | | | 1509 | 181 |
| GLV91RS0201/CW-JF24K30A | | | Warm-White | 3000K | 90 | | | 1000 | 123 |
| GLV91RS0201/CW-JF24K40A | | | Neutral-White | 4000K | | | | 1102 | 136 |

### LINEAR 2FT 1100LM BOARDS



| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | Typical VF (V) | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|
| GLV91560201/CW-JF24I27A | 24 | 560 x 20 mm | Warm-White | 2700K | 80 | Current: 700mA LED Junction Temperature: 25°C | 11.9 | 1379 | 165 |
| GLV91560201/CW-JF24I30A | | | | 3000K | | | | 1401 | 168 |
| GLV91560201/CW-JF24I35A | | | | 3500K | | | | 1422 | 170 |
| GLV91560201/CW-JF24I40A | | | Neutral-White | 4000K | | | | 1465 | 176 |
| GLV91560201/CW-JF24I50A | | | Cool-White | 5000K | | | | 1509 | 181 |
| GLV91560201/CW-JF24K30A | | | Warm-White | 3000K | 90 | | | 1000 | 123 |
| GLV91560201/CW-JF24K40A | | | Neutral-White | 4000K | | | | 1102 | 136 |

### LINEAR 2FT 2200LM BOARDS

| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | Typical VF (V) | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|
| GLV91560201/CW-JF48I27A | 48 | 560 x 20 mm | Warm-White | 2700K | 80 | Current: 700mA LED Junction Temperature: 25°C | 23.8 | 2759 | 165 |
| GLV91560201/CW-JF48I30A | | | | 3000K | | | | 2802 | 168 |
| GLV91560201/CW-JF48I35A | | | | 3500K | | | | 2845 | 170 |
| GLV91560201/CW-JF48I40A | | | Neutral-White | 4000K | | | | 2931 | 176 |
| GLV91560201/CW-JF48I50A | | | Cool-White | 5000K | | | | 3017 | 181 |
| GLV91560201/CW-JF48K30A | | | Warm-White | 3000K | 90 | | | 1999 | 123 |
| GLV91560201/CW-JF48K40A | | | Neutral-White | 4000K | | | | 2203 | 136 |

### LINEAR 2FT 4000LM BOARDS



| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | Typical VF (V) | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|
| GLV91560201/CW-JF90I27A | 90 | 560 x 20 mm | Warm-White | 2700K | 80 | Current: 700mA LED Junction Temperature: 25°C | 44.7 | 5172 | 165 |
| GLV91560201/CW-JF90I30A | | | | 3000K | | | | 5253 | 168 |
| GLV91560201/CW-JF90I35A | | | | 3500K | | | | 5334 | 170 |
| GLV91560201/CW-JF90I40A | | | Neutral-White | 4000K | | | | 5495 | 176 |
| GLV91560201/CW-JF90I50A | | | Cool-White | 5000K | | | | 5657 | 181 |
| GLV91560201/CW-JF90K30A | | | Warm-White | 3000K | 90 | | | 3749 | 123 |
| GLV91560201/CW-JF90K40A | | | Neutral-White | 4000K | | | | 4131 | 136 |





### LINEAR 4FT 2200LM BOARDS



| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | Typical VF (V) | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|
| GLV92b20201/CW-JF48I27A | 48 | 1120 x 20 mm | Warm-White | 2700K | 80 | Current: 700mA LED Junction Temperature: 25°C | 23.8 | 2759 | 165 |
| GLV92b20201/CW-JF48I30A | | | | 3000K | | | | 2802 | 168 |
| GLV92b20201/CW-JF48I35A | | | | 3500K | | | | 2845 | 170 |
| GLV92b20201/CW-JF48I40A | | | Neutral-White | 4000K | | | | 2931 | 176 |
| GLV92b20201/CW-JF48I50A | | | Cool-White | 5000K | | | | 3017 | 181 |
| GLV92b20201/CW-JF48K30A | | | Warm-White | 3000K | 90 | | | 1999 | 123 |
| GLV92b20201/CW-JF48K40A | | | Neutral-White | 4000K | | | | 2203 | 136 |

### LINEAR 4FT 4000LM BOARDS



| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | Typical VF (V) | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|
| GLV92b20201/CW-JF90I27A | 90 | 1120 x 20 mm | Warm-White | 2700K | 80 | Current: 700mA LED Junction Temperature: 25°C | 44.7 | 5172 | 165 |
| GLV92b20201/CW-JF90I30A | | | | 3000K | | | | 5253 | 168 |
| GLV92b20201/CW-JF90I35A | | | | 3500K | | | | 5334 | 170 |
| GLV92b20201/CW-JF90I40A | | | Neutral-White | 4000K | | | | 5495 | 176 |
| GLV92b20201/CW-JF90I50A | | | Cool-White | 5000K | | | | 5657 | 181 |
| GLV92b20201/CW-JF90K30A | | | Warm-White | 3000K | 90 | | | 3749 | 123 |
| GLV92b20201/CW-JF90K40A | | | Neutral-White | 4000K | | | | 4131 | 136 |

### LINEAR 4FT 4000LM BOARDS

| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | Typical VF (V) | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|
| GLV93B20201/CW-SB896827 | 96 | 1120 x 20 mm | Warm-White | 2700K | 80 | Current: 700mA LED Junction Temperature: 25°C | 34.9 | 4021 | 164 |
| GLV93B20201/CW-SB896830 | | | | 3000K | | | | 4083 | 167 |
| GLV93B20201/CW-SB896835 | | | | 3500K | | | | 4146 | 170 |
| GLV93B20201/CW-SB896840 | | | Neutral-White | 4000K | | | | 4272 | 175 |
| GLV93B20201/CW-SB896850 | | | Cool-White | 5000K | | | | 4398 | 180 |
| GLV93B20201/CW-SB896930 | | | Warm-White | 3000K | 90 | | | 3204 | 131 |
| GLV93B20201/CW-SB896940 | | | Neutral-White | 4000K | | | | 3392 | 139 |

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## MIDPOWER LINEAR LUXEON 3020

### LINEAR 284X17MM 24-UP BOARDS-OFFSET LEDS

| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | Typical VF (V) | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|
| GLV91RS4171/CW-LB424827 | 24 | 284 x 17 mm | Warm-White | 2700K | 80 | Current: 350mA LED Junction Temperature: 25°C | 17.8 | 894 | 144 |
| GLV91RS4171/CW-LB424830 | | | | 3000K | | | | 894 | 144 |
| GLV91RS4171/CW-LB424835 | | | | 3500K | | | | 930 | 150 |
| GLV91RS4171/CW-LB424840 | | | Neutral-White | 4000K | | | | 948 | 153 |
| GLV91RS4171/CW-LB424850 | | | Cool-White | 5000K | | | | 967 | 155 |
| GLV91RS4171/CW-LB424857 | | | | 5700K | | | | 967 | 155 |
| GLV91RS4171/CW-LB424927 | | | Warm-White | 2700K | 90 | | | 748 | 120 |
| GLV91RS4171/CW-LB424930 | | | | 3000K | | | | 766 | 123 |
| GLV91RS4171/CW-LB424935 | | | | 3500K | | | | 784 | 126 |
| GLV91RS4171/CW-LB424940 | | | Neutral-White | 4000K | | | | 821 | 132 |

### LINEAR 284X17MM 32-UP BOARDS-OFFSET LEDS

| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | Typical VF (V) | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|
| GLV91RS4171/CW-LB832827 | 32 | 284 x 17 mm | Warm-White | 2700K | 80 | Current: 700mA LED Junction Temperature: 25°C | 11.8 | 1192 | 144 |
| GLV91RS4171/CW-LB832830 | | | | 3000K | | | | 1192 | 144 |
| GLV91RS4171/CW-LB832835 | | | | 3500K | | | | 1240 | 150 |
| GLV91RS4171/CW-LB832840 | | | Neutral-White | 4000K | | | | 1265 | 153 |
| GLV91RS4171/CW-LB832850 | | | Cool-White | 5000K | | | | 1289 | 156 |
| GLV91RS4171/CW-LB832857 | | | | 5700K | | | | 1289 | 156 |
| GLV91RS4171/CW-LB832927 | | | Warm-White | 2700K | 90 | | | 997 | 120 |
| GLV91RS4171/CW-LB832930 | | | | 3000K | | | | 1021 | 123 |
| GLV91RS4171/CW-LB832935 | | | | 3500K | | | | 1046 | 126 |
| GLV91RS4171/CW-LB832940 | | | Neutral-White | 4000K | | | | 1094 | 132 |

### LINEAR 284X17MM 48-UP BOARD-CENTERED LEDS

| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | Typical VF (V) | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|
| GLV91RS4171/CW-LB848827 | 48 | 284 x 17 mm | Warm-White | 2700K | 80 | Current: 700mA LED Junction Temperature: 25°C | 17.8 | 1788 | 144 |
| GLV91RS4171/CW-LB848830 | | | | 3000K | | | | 1788 | 144 |
| GLV91RS4171/CW-LB848835 | | | | 3500K | | | | 1860 | 150 |
| GLV91RS4171/CW-LB848840 | | | Neutral-White | 4000K | | | | 1897 | 153 |
| GLV91RS4171/CW-LB848850 | | | Cool-White | 5000K | | | | 1993 | 156 |
| GLV91RS4171/CW-LB848857 | | | | 5700K | | | | 1993 | 156 |
| GLV91RS4171/CW-LB848927 | | | Warm-White | 2700K | 90 | | | 1496 | 120 |
| GLV91RS4171/CW-LB848930 | | | | 3000K | | | | 1532 | 123 |
| GLV91RS4171/CW-LB848935 | | | | 3500K | | | | 1569 | 126 |
| GLV91RS4171/CW-LB848940 | | | Neutral-White | 4000K | | | | 1642 | 132 |

### LINEAR 284X17MM 48-UP BOARD-OFFSET LEDS

| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | Typical VF (V) | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|
| GLV91RS4172/CW-LB848827 | 48 | 284 x 17 mm | Warm-White | 2700K | 80 | Current: 700mA LED Junction Temperature: 25°C | 17.8 | 1788 | 144 |
| GLV91RS4172/CW-LB848830 | | | | 3000K | | | | 1788 | 144 |
| GLV91RS4172/CW-LB848835 | | | | 3500K | | | | 1860 | 150 |
| GLV91RS4172/CW-LB848840 | | | Neutral-White | 4000K | | | | 1897 | 153 |
| GLV91RS4172/CW-LB848850 | | | Cool-White | 5000K | | | | 1993 | 156 |
| GLV91RS4172/CW-LB848857 | | | | 5700K | | | | 1993 | 156 |
| GLV91RS4172/CW-LB848827 | | | Warm-White | 2700K | 90 | | | 1496 | 120 |
| GLV91RS4172/CW-LB848830 | | | | 3000K | | | | 1532 | 123 |
| GLV91RS4172/CW-LB848835 | | | | 3500K | | | | 1569 | 126 |
| GLV91RS4172/CW-LB848840 | | | Neutral-White | 4000K | | | | 1642 | 132 |

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## LINEAR 568X17MM 96-UP BOARD-OFFSET LEDS

| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | Typical VF (V) | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|
| GLV91568172/CW-LB896827 | 96 | 568 x 17 mm | Warm-White | 2700K | 80 | Current: 700mA LED Junction Temperature: 25°C | 35.5 | 3575 | 144 |
| GLV91568172/CW-LB896830 | | | | 3000K | | | | 3575 | 144 |
| GLV91568172/CW-LB896835 | | | | 3500K | | | | 3721 | 150 |
| GLV91568172/CW-LB896840 | | | Neutral-White | 4000K | | | | 3794 | 153 |
| GLV91568172/CW-LB896850 | | | Cool-White | 5000K | | | | 3867 | 156 |
| GLV91568172/CW-LB896857 | | | | 5700K | | | | 3867 | 156 |
| GLV91568172/CW-LB896927 | | | Warm-White | 2700K | 90 | | | 2991 | 120 |
| GLV91568172/CW-LB896930 | | | | 3000K | | | | 3064 | 123 |
| GLV91568172/CW-LB896935 | | | | 3500K | | | | 3137 | 126 |
| GLV91568172/CW-LB896940 | | | Neutral-White | 4000K | | | | 3283 | 132 |

*Other CCT/CRI combinations available on request

## GL LUXEON 5050 2X6 BOARDS

| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | Typical VF (V) | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|
| GLV93RE7451/CN-LM612730 | 12 | 146.6 x 45 mm | Warm-White | 3000K | 70 | Current: 960mA LED Junction Temperature: 25°C | 49.0 | 6864 | 146 |
| GLV93RE7451/CN-LM612827 | | | | 2700K | 80 | | | 6048 | 129 |
| GLV93RE7451/CN-LM612830 | | | | 3000K | | | | 6240 | 133 |
| GLV93RE7451/CN-LM612927 | | | | 2700K | 90 | | | 5148 | 110 |
| GLV93RE7451/CN-LM612930 | | | | 3000K | | | | 5148 | 113 |
| GLV93RE7451/CN-LM612740 | | | Neutral-White | 4000K | 70 | | | 7320 | 156 |
| GLV93RE7451/CN-LM612840 | | | | 4000K | 80 | | | 6600 | 140 |
| GLV93RE7451/CN-LM612940 | | | | 4000K | 90 | | | 5676 | 121 |
| GLV93RE7451/CN-LM612750 | | | Cool-White | 5000K | 70 | | | 7320 | 156 |
| GLV93RE7451/CN-LM612757 | | | | 5700K | | | | 7320 | 156 |
| GLV93RE7451/CN-LM612850 | | | | 5000K | 80 | | | 6600 | 140 |





## AMERICAN BRIGHT LINEAR FLEX

| Part Number | LED Count | Dimensions (mm) | Color | CCT | Minimum CRI | Test Conditions | V Input | Wattage | Cover | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AB-RBLL1230-LLLWL | 300 | 5000 X 10.2 | Warm-White | 3000K | 80 | Ambient Temperature: 25°C | 12VDC | 22 | No | 880 | 40 |
| AB-RNLL1230-LLLWL | | 5000 X 10.5 | | | | | | 47 | | 3080 | 66 |
| AB-TPB1206-LLLWL | 300 | 5000 X 14 | RGB | n/a | n/a | | | 50 | | 3000 | 60 |
| AB-TPB1208-LLLWL | 210 | | | | | | | 40 | | 2100 | 53 |
| AB-TPB1230-LLLWL-120 | 600 | 5000 X 8 | Warm-White | 3000K | 80 | | | 43 | | 3520 | 82 |
| AB-TPB1230-LLLWL-60 | 300 | | | | | | | 22 | | 880 | 40 |
| AB-TPB1230-LLLWL-5050 | | | | | | | | 43 | | 4500 | 105 |
| AB-TPN1230-LLLWL-60 | | | | | | | | 22 | | 880 | 40 |
| AB-TPN1230-LLLWL-120 | 600 | | | | | | | 43 | | 3520 | 82 |
| AB-TSB1230-LLLWL | 300 | | | | | | | 22 | | 1200 | 55 |
| AB-TPN12RGBWW2835-LLLWL | 600 | 5000 X 10 | RGB+W | n/a | n/a | Ambient Temperature: 25°C | 12VDC | 30 | No | 6000 | 200 |
| AB-TPN12RGBWW5050-LLLWL | 300 | 5000 X 14 | | | | | | 70 | | 3750 | 54 |
| AB-TPN1206-LLLWL-IC1 | 160 | 5000 X 12 | RGB | | | | | 82 | | 1600 | 20 |

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## MIDPOWER CIRCULAR GEN3

| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | Typical VF (V) | Conformal Coating | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|---|
| GLV94C50503/CW-SG530827 | 30 | Ø50mm | Warm-White | 2700K | 80 | Current: 700mA LED Junction Temperature: 25°C | 17.5 | No | 2027 | 166 |
| GLV94C50503/CW-SG530830 | | | | 3000K | | | | | 2058 | 168 |
| GLV94C50503/CW-SG530835 | | | | 3500K | | | | | 2089 | 171 |
| GLV94C50503/CW-SG530840 | | | Neutral-White | 4000K | | | | | 2150 | 176 |
| GLV94C50503/CW-SG530850 | | | Cool-White | 5000K | | | | | 2211 | 181 |
| GLV9HC50503/CW-SG530827 | | | Warm-White | 2700K | | | | Yes | 2027 | 166 |
| GLV9HC50503/CW-SG530830 | | | | 3000K | | | | | 2058 | 168 |
| GLV9HC50503/CW-SG530835 | | | | 3500K | | | | | 2089 | 171 |
| GLV9HC50503/CW-SG530840 | | | Neutral-White | 4000K | | | | | 2150 | 176 |
| GLV9HC50503/CW-SG530850 | | | Cool-White | 5000K | | | | | 2211 | 181 |
| GLV94C50503/CW-JE30K30A | | | Warm-White | 3000K | 90 | | | No | 1500 | 117 |
| GLV94C50503/CW-JE30K40A | | | Neutral-White | 4000K | | | | | 1530 | 120 |
| GLV9HC50503/CW-JE30K30A | | | Warm-White | 3000K | | | | Yes | 1560 | 122 |
| GLV9HC50503/CW-JE30K40A | | | Neutral-White | 4000K | | | | | 1620 | 127 |
| GLV94C63633/CW-SGA50827 | 50 | Ø63mm | Warm-White | 2700K | 80 | Current: 700mA LED Junction Temperature: 25°C | 14 | No | 1729 | 177 |
| GLV94C63633/CW-SGA50830 | | | | 3000K | | | | | 1755 | 180 |
| GLV94C63633/CW-SGA50835 | | | | 3500K | | | | | 1781 | 182 |
| GLV94C63633/CW-SGA50840 | | | Neutral-White | 4000K | | | | | 1833 | 188 |
| GLV94C63633/CW-SGA50850 | | | Cool-White | 5000K | | | | | 1886 | 193 |
| GLV9HC63633/CW-SGA50827 | | | Warm-White | 2700K | | | | Yes | 1729 | 177 |
| GLV9HC63633/CW-SGA50830 | | | | 3000K | | | | | 1755 | 180 |
| GLV9HC63633/CW-SGA50835 | | | | 3500K | | | | | 1781 | 182 |
| GLV9HC63633/CW-SGA50840 | | | Neutral-White | 4000K | | | | | 1833 | 188 |
| GLV9HC63633/CW-SGA50850 | | | Cool-White | 5000K | | | | | 1886 | 193 |
| GLV94C63633/CW-SBA50930 | | | Warm-White | 3000K | 90 | | | No | 1324 | 132 |
| GLV94C63633/CW-SBA50940 | | | Neutral-White | 4000K | | | | | 1350 | 135 |
| GLV9HC63633/CW-SBA50930 | | | Warm-White | 3000K | | | | Yes | 1376 | 137 |
| GLV9HC63633/CW-SBA50940 | | | Neutral-White | 4000K | | | | | 1429 | 142 |





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| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | Typical VF (V) | Conformal Coating | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|---|
| GLV94C84843/CW-SG888827 | 88 | Ø84mm | Warm-White | 2700K | 80 | Current: 700mA LED Junction Temperature: 25°C | 31.1 | No | 3803 | 175 |
| GLV94C84843/CW-SG888830 | | | | 3000K | | | | | 3860 | 178 |
| GLV94C84843/CW-SG888835 | | | | 3500K | | | | | 3918 | 180 |
| GLV94C84843/CW-SG888840 | | | Neutral-White | 4000K | | | | | 4033 | 185 |
| GLV94C84843/CW-SG888850 | | | Cool-White | 5000K | | | | | 3096 | 191 |
| GLV9HC84843/CW-SG888827 | | | Warm-White | 2700K | | | | Yes | 3803 | 175 |
| GLV9HC84843/CW-SG888830 | | | | 3000K | | | | | 3860 | 178 |
| GLV9HC84843/CW-SG888835 | | | | 3500K | | | | | 3918 | 180 |
| GLV9HC84843/CW-SG888840 | | | Neutral-White | 4000K | | | | | 4033 | 185 |
| GLV9HC84843/CW-SG888850 | | | Cool-White | 5000K | | | | | 3096 | 191 |
| GLV94C84843/CW-SB888930 | | | Warm-White | 3000K | 90 | | | No | 2867 | 128 |
| GLV94C84843/CW-SB888940 | | | Neutral-White | 4000K | | | | | 2925 | 131 |
| GLV9HC84843/CW-SB888930 | | | Warm-White | 3000K | | | | Yes | 2981 | 133 |
| GLV9HC84843/CW-SB888940 | | | Neutral-White | 4000K | | | | | 4149 | 138 |
| GLV94C84843/CW-SGAB0827 | 110 | Ø84mm | Warm-White | 2700K | 80 | Current: 700mA LEDJunction Temperature: 25°C | 30.7 | No | 3803 | 177 |
| GLV94C84843/CW-SGAB0830 | | | | 3000K | | | | | 3860 | 180 |
| GLV94C84843/CW-SGAB0835 | | | | 3500K | | | | | 3918 | 182 |
| GLV94C84843/CW-SGAB0840 | | | Neutral-White | 4000K | | | | | 4033 | 188 |
| GLV94C84843/CW-SGAB0850 | | | Cool-White | 5000K | | | | | 4149 | 193 |
| GLV9HC84843/CW-SGAB0827 | | | Warm-White | 2700K | | | | Yes | 3803 | 177 |
| GLV9HC84843/CW-SGAB0830 | | | | 3000K | | | | | 3860 | 180 |
| GLV9HC84843/CW-SGAB0835 | | | | 3500K | | | | | 3918 | 182 |
| GLV9HC84843/CW-SGAB0840 | | | Neutral-White | 4000K | | | | | 4033 | 188 |
| GLV9HC84843/CW-SGAB0850 | | | Cool-White | 5000K | | | | | 4149 | 193 |
| GLV94C84843/CW-SBAB0930 | | | Warm-White | 3000K | 90 | | | No | 2912 | 132 |
| GLV94C84843/CW-SBAB0940 | | | Neutral-White | 4000K | | | | | 2970 | 135 |
| GLV9HC84843/CW-SBAB0930 | | | Warm-White | 3000K | | | | Yes | 3028 | 137 |
| GLV9HC84843/CW-SBAB0940 | | | Neutral-White | 4000K | | | | | 3145 | 142 |

LED LIGHT SOURCES

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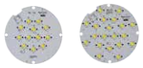
## MIDPOWER CIRCULAR GEN3 *(continued)*

| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | Typical VF (V) | Conformal Coating | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|---|
| GLV94C84843/CW-SG9B7827 | 117 | Ø84mm | Warm-White | 2700K | 80 | Current: 700mA LED Junction Temperature: 25°C | 36.4 | No | 5019 | 197 |
| GLV94C84843/CW-SG9B7830 | | | | 3000K | | | | | 5095 | 200 |
| GLV94C84843/CW-SG9B7835 | | | | 3500K | | | | | 5171 | 203 |
| GLV94C84843/CW-SG9B7840 | | | Neutral-White | 4000K | | | | | 5324 | 209 |
| GLV94C84843/CW-SG9B7850 | | | Cool-White | 5000K | | | | | 5476 | 215 |
| GLV9HC84843/CW-SG9B7827 | | | Warm-White | 2700K | | | | Yes | 5019 | 197 |
| GLV9HC84843/CW-SG9B7830 | | | | 3000K | | | | | 5095 | 200 |
| GLV9HC84843/CW-SG9B7835 | | | | 3500K | | | | | 5171 | 203 |
| GLV9HC84843/CW-SG9B7840 | | | Neutral-White | 4000K | | | | | 5324 | 209 |
| GLV9HC84843/CW-SG9B7850 | | | Cool-White | 5000K | | | | | 5476 | 215 |
| GLV94C84843/CW-SB9B7930 | | | Warm-White | 3000K | 90 | | | No | 3484 | 133 |
| GLV94C84843/CW-SB9B7940 | | | Neutral-White | 4000K | | | | | 3554 | 136 |
| GLV9HC84843/CW-SB9B7930 | | | Warm-White | 3000K | | | | Yes | 3624 | 138 |
| GLV9HC84843/CW-SB9B7940 | | | Neutral-White | 4000K | | | | | 3763 | 144 |

## 12 & 20-UP LUXEON M BOARDS



| Part Number | Dimensions | LEDs | Color | CCT | Minimum CRI | Test Conditions | Typical VF (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| GLV92CA6A61/CW-LM12S30R | Ø106 mm | 12 | Warm-White | 3000K | 70 | Current: 700mA LED Junction Temperature: 85°C | 134.4 | 10140 | 107 | Current: 1050mA LED Junction Temperature: 135°C |
| GLV92CA6A61/CW-LM12S40R | | | Neutral-White | 4000K | | | | 10860 | 115 | |
| GLV92CA6A61/CW-LM12S50R | | | Cool-White | 5000K | | | | 10860 | 115 | |
| GLV92CA6A61/CW-LM12S57R | | | | 5700K | | | | | | |
| GLV92CA6A61/CW-LM12S65R | | | | 6500K | | | | | | |
| GLV92CA6A61/CW-LM20S30R | | 20 | Warm-White | 3000K | | | 224 | 16900 | 107 | |
| GLV92CA6A61/CW-LM20S40R | | | Neutral-White | 4000K | | | | 18100 | 115 | |
| GLV92CA6A61/CW-LM20S50R | | | Cool-White | 5000K | | | | | | |
| GLV92CA6A61/CW-LM20S57R | | | | 5700K | | | | | | |
| GLV92CA6A61/CW-LM20S65R | | | | 6500K | | | | | | |





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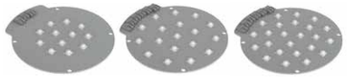

## RENA 12 / 18 / 24-UP LUXEON M AND MZ CLASS 2 HIGH BAY BOARDS*

| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|
| RC10600Lx12xxx750WXXX | 12 | 106 mm dia. | Cool-White | 5000K | 70 | Current: 700mA LED Junction Temperature: 85°C | 44.8 | 13,200 | 140 |
| RC10600xZ12xxx750WXXX | | | | | | | | 11,400 | 121 |
| RC10600Lx18xxx750WXXX | 18 | | | 5000K | 70 | | 33.6 | 19,800 | 140 |
| RC10600xZ18xxx750WXXX | | | | | | | | 17,100 | 121 |
| RC10600Lx24xxx750WXXX | 24 | | | 5000K | 70 | | 44.8 | 26,400 | 140 |
| RC10600xZ24xxx750WXXX | | | | | | | | 22,800 | 121 |

Flux is indicated as typical, however actual output will vary according to the fixture's operating temperatures.
*Please contact Marketing for other CCT (2700-6500K) /CRI (70-90) combinations.
** Multi-Channel, Class 2 Solution
Enables module scalability from 7000 to 13500lm for the 12-up board, 10500 to 20500lm for the 18-up board, 14500 to 27000lm for the 24-up board.

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## GL LUXEON 5050 2X2 BOARDS (W/O CONNECTOR)

| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|
| GLV93R60501/00-LM204730 | 4 | 60 x 50 mm | Warm-White | 3000K | 70 | Current: 320mA LED Junction Temperature: 25°C | 49.0 | 2288 | 146 |
| GLV93R60501/00-LM204827 | | | | 2700K | 80 | | | 2016 | 129 |
| GLV93R60501/00-LM204830 | | | | 3000K | | | | 2080 | 133 |
| GLV93R60501/00-LM204927 | | | | 2700K | 90 | | | 1716 | 110 |
| GLV93R60501/00-LM204930 | | | | 3000K | | | | 1776 | 113 |
| GLV93R60501/00-LM204740 | | | Neutral-White | 4000K | 70 | | | 2440 | 156 |
| GLV93R60501/00-LM204840 | | | | 4000K | 80 | | | 2200 | 140 |
| GLV93R60501/00-LM204940 | | | | 4000K | 90 | | | 1892 | 121 |
| GLV93R60501/00-LM204750 | | | Cool-White | 5000K | 70 | | | 2440 | 156 |
| GLV93R60501/00-LM204757 | | | | 5700K | | | | 2440 | 156 |
| GLV93R60501/00-LM204850 | | | | 5000K | 80 | | | 2200 | 140 |

## GL LUXEON 5050 2X2 BOARDS (WITH CONNECTOR)

| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|
| GLV93R70501/CN-LM204730 | 4 | 70 x 50 mm | Warm-White | 3000K | 70 | Current: 320mA LED Junction Temperature: 25°C | 49.0 | 2288 | 146 |
| GLV93R70501/CN-LM204827 | | | | 2700K | 80 | | | 2016 | 129 |
| GLV93R70501/CN-LM204830 | | | | 3000K | | | | 2080 | 133 |
| GLV93R70501/CN-LM204927 | | | | 2700K | 90 | | | 1716 | 110 |
| GLV93R70501/CN-LM204930 | | | | 3000K | | | | 1776 | 113 |
| GLV93R70501/CN-LM204740 | | | Neutral-White | 4000K | 70 | | | 2440 | 156 |
| GLV93R70501/CN-LM204840 | | | | 4000K | 80 | | | 2200 | 140 |
| GLV93R70501/CN-LM204940 | | | | 4000K | 90 | | | 1892 | 121 |
| GLV93R70501/CN-LM204750 | | | Cool-White | 5000K | 70 | | | 2440 | 156 |
| GLV93R70501/CN-LM204757 | | | | 5700K | | | | 2440 | 156 |
| GLV93R70501/CN-LM204850 | | | | 5000K | 80 | | | 2200 | 140 |





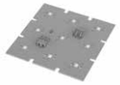
RENA simpleLED®

## LUXEON M AND MZ 6 & 12-UP BOARDS*

| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|
| RR11999LM0697074006xx | 6 | 99 x 118.5 mm | Neutral-White | 4000K | 70 | Current: 700mA LED Junction Temperature: 85°C | 67.2 | 6456 | 137 |
| RR11999MZ0687074006xx | | | | | | | | 5640 | 120 |
| RR119H8LM1297074008xx | 12 | 178 x 118.5mm | Neutral-White | 4000K | 70 | Current: 700mA LED Junction Temperature: 85°C | 134.4 | 12912 | 137 |
| RR119H8MZ1287074008xx | | | | | | | | 11280 | 120 |

Flux is indicated as typical, however actual output will vary according to the fixture's operating temperatures.
*Please contact Marketing for other CCT (2700-6500K) /CRI (70-90) combinations.
Enables module scalability from 3500 to 6000lm for the 6-up board, 8000 to 13000lm for the 12-up board.

| Optic Options: |
|---|
| xx = 00 (STRADA-SQ-T-DWC) |
| xx = 01 (STRADA-SQ-A-T) |
| xx = 02 (STRADA-SQ-T) |
| xx = 03 (STRADA-SQ-T3) |
| xx = 04 (STRADA-SQ-T4) |
| xx = 05 (STRADA-SQ-FW) |
| xx = 06 (STRADA-SQ-FT) |
| xx = 07 (STRADA-SQ-ME) |
| xx = 08 (STRADA-SQ-FS) |
| xx = 09 (STRADA-SQ-FS2) |
| xx = 10 (STRADA-SQ-CY) |
| xx = 11 (STRADA-SQ-VSM) |
| xx = 12 (FLARE MAXI) |
| xx = 13 (FLARE MAXI-D) |
| xx = 14 (HB-SQ-A) |
| xx = 15 (MIRA W) |
| xx = 16 (MIRA WW) |



## LUXEON TX 9-UP BOARDS*

| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|
| RS07575TX09210830WXXX | 9 | 75 x 75 mm | Warm-White | 3000K | 80 | Current: 700mA LED Junction Temperature: 85°C | 25.2 | 2043 | 116 |
| RS07575TX09220835WXXX | | | | 3500K | | | | 2142 | 121 |
| RS07575TX09230840WXXX | | | Neutral-White | 4000K | | | | 2223 | 126 |
| RS07575TX09250740WXXX | | | | | 70 | | | 2421 | 137 |

*Please contact Marketing for other CCT (2700-6500K) /CRI (70-90) combinations.

LUMILEDS

## COLOR LEDS

| LED Series | LUXEON LED on MCPCB Part Number | LED Part Number | Wavelength Range (nm) | Test Conditions | Min Flux (lm or mW) | Typical Flux (lm or mW) | Typical Efficacy (lm/W or %) |
|---|---|---|---|---|---|---|---|
| LUXEON C Color Portfolio | STAR-LUXEON-C-BLUE | L1C1-BLU1000000000 | 465-485 nm | Current: 350mA LED Junction Temperature: 85°C | 25 | 41 | 41 |
| | STAR-LUXEON-C-PCAMBER | L1C1-PCA1000000000 | - | | 80 | 94 | 134 |
| | STAR-LUXEON-C-REDORANGE | L1C1-RNG1000000000 | 614-624 nm | | 45 | 54 | 75 |
| | STAR-LUXEON-C-RED | L1C1-RED1000000000 | 624-634 nm | | 35 | 45 | 64 |
| | STAR-LUXEON-C-GREEN | L1C1-GRN1000000000 | 520-540 nm | | 90 | 97 | 138 |
| | STAR-LUXEON-C-CYAN | L1C1-CYN1000000000 | 490-510 nm | | 65 | 72 | 103 |
| LUXEON Rebel and Rebel ES Color Portfolio | REBEL-STAR-2AMBER | LXM2-PL01-0000 | 588-592 nm | Current: 350mA LED Junction Temperature: 25°C | 80 | 110 | 103 |
| | REBEL-STAR-BLUE30 | LXML-PB01-0030 | 460-485 nm | | 30 | 35 | 33 |
| | REBEL-STAR-RED40 | LXML-PD01-0040 | 620-645 nm | | 40 | 46 | 47 |
| | REBEL-STAR-CYAN70 | LXML-PE01-0070 | 490-515 nm | | 70 | 76 | 75 |
| | REBEL-STAR-REDORANGE50 | LXML-PH01-0050 | 610-620 nm | | 50 | 56 | 57 |
| | REBEL-STAR-AMBER50 | LXML-PL01-0050 | 585-595 nm | | 50 | 54 | 51 |
| | REBEL-STAR-GREEN100 | LXML-PM01-0100 | 520-540 nm | | 100 | 102 | 100 |
| | REBEL-STAR-RB500 | LXML-PR01-0500 | 440-460 nm | | 500 | 520 | 48% |
| | REBEL-STAR-ES-RB | LXML-PR02-A900 | 440-460 nm | Current: 700mA LED Junction Temperature: 25°C | 900 | 1030 | 49% |
| | REBEL-STAR-ES-LIME | LXML-PX02-0000 | 566-569 nm | | 149 | 184 | 191 |
| Luxeon Z Color 4 Up | LUXEONZ-RGBW | LXZ1-PD01 | 620-645 nm | Current: 500mA LED Junction Temperature: 85°C | 52 | 47 | 42 |
| | | LXZ1-PM01 | 520-540 nm | | 100 | 70 | 54 |
| | | LXZ1-PB01 | 460-480 nm | | 36 | 25 | 21 |
| | | LXZ1-4070 | N/A | | 134 | 96 | 96 |
| | LUXEONZ-RGBA | LXZ1-PD01 | 620-645 nm | | 52 | 47 | 42 |
| | | LXZ1-PM01 | 520-540 nm | | 100 | 70 | 54 |
| | | LXZ1-PB01 | 460-480 nm | | 36 | 25 | 21 |
| | | LXZ1-PL01 | 585-595 nm | | 60 | 56 | 51 |

Note: More options available, please consult Future Lighting Solutions

LEDs created with
one market in mind:
HORTICULTURE.
LUXEON SunPlus Series

LUMILEDS





LUMILEDS

## HORTICULTURE LEDS

| LED Series | LUXEON LED on MCPCB Part Number | LED Part Number | Color | Test Conditions | Min PPF (µmol/s) | Typical PPF (µmol/s) | Typical Efficacy (µmol/J) |
|---|---|---|---|---|---|---|---|
| SunPlus 35 | GLV94H21201/00-LH101000 | L1SP-PRP0003500000 | Purple (2.5% Blue) | Current: 100mA LED Junction Temperature: 25°C | 0.45 | 0.51 | 1.8 |
| | GLV94H21201/00-LI101000 | L1SP-PRP1003500000 | Purple (12.5% Blue) | | 0.5 | 0.58 | 2.02 |
| | GLV94H21201/00-LJ101000 | L1SP-PRP2003500000 | Purple (25% Blue) | | 0.55 | 0.63 | 2.24 |
| | GLV94H21201/00-LK101000 | L1SP-RYL0003500000 | Royal Blue | | 0.55 | 0.61 | 2 |
| | GLV94H21201/00-LL101000 | L1SP-LME0003500000 | Lime | | 0.6 | 0.65 | 2.13 |
| SunPlus 20 | GLV94H21201/00-LXH01000 | L1SP-FRD0002000000 | Far Red | Current: 350mA LED Junction Temperature: 85°C | 1.1 | 1.37 | 2.26 |
| | GLV94H21201/00-LXJ01000 | L1SP-DRD0002000000 | Deep Red | | 1.6 | 1.72 | 2.56 |
| | GLV94H21201/00-LXK01000 | L1SP-RYL0002000000 | Royal Blue | | 1.9 | 2.04 | 2.11 |
| | GLV94H21201/00-LXL01000 | L1SP-LME0002000000 | Lime | | 1.5 | 1.59 | 1.66 |
| | GLV94H21201/00-LXI01000 | L1SP-CW90002000000 | Cool-White | | 1.4 | 1.51 | 1.57 |

## WHITE LEDS

| LED Series | LUXEON LED on MCPCB Part Number | LED Part Number | CCT | Min CRI | Test Conditions | Min Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|
| LUXEON TX | STAR-LUXEON-TX-2780 | L1T2-2780000000000 | 2700K | 80 | Current: 700mA LED Junction Temperature: 85°C | 200 | 216 | 110 |
| | STAR-LUXEON-TX-3080 | L1T2-3080000000000 | 3000K | 80 | | 210 | 227 | 116 |
| | STAR-LUXEON-TX-3580 | L1T2-3580000000000 | 3500K | 80 | | 220 | 238 | 121 |
| | STAR-LUXEON-TX-4080 | L1T2-4080000000000 | 4000K | 80 | | 230 | 247 | 126 |
| | STAR-LUXEON-TX-5080 | L1T2-5080000000000 | 5000K | 80 | | 230 | 247 | 126 |
| | STAR-LUXEON-TX-3090 | L1T2-3090000000000 | 3000K | 90 | | 170 | 188 | 96 |
| LUXEON M | STAR-LUXEON-M-7SW40 | LXR7-SW40 | 4000K | 70 | Current: 700mA LED Junction Temperature: 85°C | 970 | 1076 | 137 |
| | STAR-LUXEON-M-7SW50 | LXR7-SW50 | 5000K | 70 | | 1040 | 1100 | 140 |
| | STAR-LUXEON-M-7SW57 | LXR7-SW57 | 5700K | 70 | | 1040 | 1110 | 142 |
| | STAR-LUXEON-M-8SW27 | LXR8-SW27 | 2700K | 80 | | 730 | 800 | 102 |
| | STAR-LUXEON-M-8SW30 | LXR8-SW30 | 3000K | 80 | | 780 | 850 | 108 |
| | STAR-LUXEON-M-8SW35 | LXR8-SW35 | 3500K | 80 | | 780 | 870 | 111 |
| | STAR-LUXEON-M-8SW40 | LXR8-SW40 | 4000K | 80 | | 840 | 905 | 115 |
| | STAR-LUXEON-M-8SW50 | LXR8-SW50 | 5000K | 80 | | 840 | 920 | 117 |
| LUXEON MZ | STAR-LUXEON-MZ-7SW40 | LMZ7-SW40 | 4000K | 70 | Current: 700mA LED Junction Temperature: 85°C | 870 | 940 | 120 |
| | STAR-LUXEON-MZ-7SW50 | LMZ7-SW50 | 5000K | 70 | | 870 | 950 | 121 |
| | STAR-LUXEON-MZ-7SW57 | LMZ7-SW57 | 5700K | 70 | | 900 | 980 | 125 |
| | STAR-LUXEON-MZ-8SW27 | LMZ8-SW27 | 2700K | 80 | | 710 | 760 | 97 |
| | STAR-LUXEON-MZ-8SW30 | LMZ8-SW30 | 3000K | 80 | | 730 | 781 | 100 |
| | STAR-LUXEON-MZ-8SW40 | LMZ8-SW40 | 4000K | 80 | | 840 | 880 | 112 |
| | STAR-LUXEON-MZ-8SW50 | LMZ8-SW50 | 5000K | 80 | | 840 | 890 | 114 |

## WHITE LEDS *(continued)*

| LED Series | LUXEON LED on MCPCB Part Number | LED Part Number | CCT | Min CRI | Test Conditions | Min Flux (lm) | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|
| LUXEON Z ES | STAR-LUXEON-ZES-22780-3 | LXZ2-2780-3 | 2700K | 80 | Current: 700mA LED Junction Temperature: 85°C | 170 | 185 | 94 |
| | STAR-LUXEON-ZES-22790-3 | LXZ2-2790-3 | 2700K | 90 | | 140 | 160 | 82 |
| | STAR-LUXEON-ZES-23080-3 | LXZ2-3080-3 | 3000K | 80 | | 180 | 195 | 99 |
| | STAR-LUXEON-ZES-23090-3 | LXZ2-3090-3 | 3000K | 90 | | 150 | 170 | 87 |
| | STAR-LUXEON-ZES-23580-3 | LXZ2-3580-3 | 3500K | 80 | | 190 | 205 | 105 |
| | STAR-LUXEON-ZES-24080-3 | LXZ2-4080-3 | 4000K | 80 | | 190 | 220 | 99 |
| | STAR-LUXEON-ZES-24070 | LXZ2-4070 | 4000K | 70 | | 220 | 240 | 122 |
| | STAR-LUXEON-ZES-25070 | LXZ2-5070 | 5000K | 70 | | 220 | 245 | 125 |
| | STAR-LUXEON-ZES-25770 | LXZ2-5770 | 5700K | 70 | | 220 | 245 | 125 |
| Nichia E17A Series | GLV94H21201/00-NXA01750 | NCSWE17AT | 5000K | 70 | Current: 350mA LED Junction Temperature: 25°C | 140 | 158 | |
| | GLV94H21201/00-NXA01827 | NCSLE17AT | 2700K | 80 | | 110 | 130 | |
| Nichia E21A Series | GLV94H21201/00-NXB01750 | NVSWE21AT | 5000K | 70 | Current: 700mA LED Junction Temperature: 25°C | 280 | 320 | |
| | GLV94H21201/00-NXB01840 | NVSLE21AT | 4000K | 80 | | 260 | 288 | |
| Nichia 319 Series | GLV94H21201/00-NXF01740 | NVSW319AT | 4000K | 70 | Current: 1050mA LED Junction Temperature: 25°C | 400 | 474 | |
| | GLV94H21201/00-NXF01750 | NVSW319AT | 5000K | 70 | | 400 | 480 | |
| | GLV94H21201/00-NXF01757 | NVSW319AT | 5700K | 70 | | 400 | 460 | |
| | GLV94H21201/00-NXF01765 | NVSW319AT | 6500K | 70 | | 400 | 457 | |
| | GLV94H21201/00-NXF01830 | NVSW319AT | 3000K | 80 | | 360 | 415 | |

Note: More options available, please consult Future Lighting Solutions

| LED Series | LUXEON LED on MCPCB Part Number | LED Part Number |
|---|---|---|
| Blank Star Board for Nichia 144 | GLV94H21201/00-PCB-N144 | N/A |
| Blank Star Board for Nichia 229 | GLV94H21201/00-PCB-N229 | N/A |
| Blank Star Board for Nichia 219 | GLV94H21201/00-PCB-N219 | N/A |
| Blank Star Board for Nichia 757 | GLV94H21201/00-PCB-N757 | N/A |
| Blank Star Board for Lumileds 3535L | GLV94RN1B01/00-PCB-L3535C | N/A |





## 120VAC MODULES

### AC WALL SCONCE

| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | VAC | Wattage | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|---|
| GLV73RA4691/CN-AA10TSC142827P | 42 | 104 X 69 mm | Warm-White | 2700K | 80 | LED Junction Temperature: 25°C | 120V+ /-10% | 10W | 836 | 83 |
| GLV73RA4691/CN-AA10TSC142830P | | | | 3000K | | | | | 862 | 86 |
| GLV73RA4691/CN-AA10TSC142835P | | | | 3500K | | | | | 888 | 88 |
| GLV73RA4691/CN-AA10TSC142840P | | | Neutral-White | 4000K | | | | | 932 | 93 |
| GLV73RA4691/CN-AA10TSC142850P | | | Cool-White | 5000K | | | | | 941 | 94 |
| GLV73RA4691/CN-AA10TSC142857P | | | | 5700K | | | | | 941 | 94 |
| GLV73RA4691/CN-AA10TSC142865P | | | | 6500K | | | | | 941 | 94 |
| GLV73RA4691/CN-AA10TSC142927P | | | Warm-White | 2700K | 90 | LED Junction Temperature: 25°C | | | 730 | 73 |
| GLV73RA4691/CN-AA10TSC142930P | | | | 3000K | | | | | 809 | 81 |
| GLV73RA4691/CN-AA10TSC142935P | | | | 3500K | | | | | 818 | 82 |
| GLV73RA4691/CN-AA10TSC142940P | | | Neutral-White | 4000K | | | | | 853 | 85 |
| GLV73RA4691/CN-AA10TSC142950P | | | Cool-White | 5000K | | | | | 862 | 86 |
| GLV73RA4691/CN-AA10TSC142957P | | | | 5700K | | | | | 871 | 87 |
| GLV73RA4691/CN-AA10TSC142965P | | | | 6500K | | | | | 871 | 87 |

### AC LINEAR

| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | VAC | Wattage | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|---|
| GLV74560241/CW-DA17TNI124727 | 24 | 560 X 24 mm | Warm-White | 2700K | 70 | LED Junction Temperature: 25°C | 120V+ /-10% | 17W | 2274 | 134 |
| GLV74560241/CW-DA17TNI124730 | | | | 3000K | | | | | | |
| GLV74560241/CW-DA17TNI124735 | | | | 3500K | | | | | | |
| GLV74560241/CW-DA17TNI124740 | | | Neutral-White | 4000K | | | | | | |
| GLV74560241/CW-DA17TNI124745 | | | | 4500K | | | | | | |
| GLV74560241/CW-DA17TNI124750 | | | Cool-White | 5000K | | | | | | |
| GLV74560241/CW-DA17TNI124757 | | | | 5700K | | | | | | |
| GLV74560241/CW-DA17TNI124765 | | | | 6500K | | | | | | |
| GLV74560241/CW-DA17TNI124827 | | | Warm-White | 2700K | 80 | LED Junction Temperature: 25°C | | | 2274 | 134 |
| GLV74560241/CW-DA17TNI124830 | | | | 3000K | | | | | | |
| GLV74560241/CW-DA17TNI124835 | | | | 3500K | | | | | | |
| GLV74560241/CW-DA17TNI124840 | | | Neutral-White | 4000K | | | | | | |
| GLV74560241/CW-DA17TNI124845 | | | | 4500K | | | | | | |
| GLV74560241/CW-DA17TNI124850 | | | Cool-White | 5000K | | | | | | |
| GLV74560241/CW-DA17TNI124857 | | | | 5700K | | | | | | |
| GLV74560241/CW-DA17TNI124865 | | | | 6500K | | | | | | |
| GLV74560241/CW-DA17TNI124927 | | | Warm-White | 2700K | 90 | LED Junction Temperature: 25°C | | | 1913 | 113 |
| GLV74560241/CW-DA17TNI124930 | | | | 3000K | | | | | | |
| GLV74560241/CW-DA17TNI124935 | | | | 3500K | | | | | | |
| GLV74560241/CW-DA17TNI124940 | | | Neutral-White | 4000K | | | | | | |
| GLV74560241/CW-DA17TNI124945 | | | | 4500K | | | | | | |
| GLV74560241/CW-DA17TNI124950 | | | Cool-White | 5000K | | | | | | |
| GLV74560241/CW-DA17TNI124957 | | | | 5700K | | | | | | |
| GLV74560241/CW-DA17TNI124965 | | | | 6500K | | | | | | |

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## AC CEILING MOUNT

| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | VAC | Wattage | Cover | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GLV73CD0D01/CW-DA10TSC144827 | 44 | Ø 130 mm | Warm-White | 2700K | 80 | LED Junction Temperature: 25°C | 120V+ /-10% | 10W | No | 950 | 95 |
| GLV73CD0D01/CW-DA10TSC144830 | | | | 3000K | | | | | | 1000 | 100 |
| GLV73CD0D01/CW-DA10TSC144835 | | | | 3500K | | | | | | 1050 | 105 |
| GLV73CD0D01/CW-DA10TSC144840 | | | Neutral-White | 4000K | | | | | | 1100 | 110 |
| GLV73CD0D01/CW-DA10TSC144850 | | | Cool-White | 5000K | | | | | | 1150 | 115 |
| GLV73CD0D01/CW-DA10TSC144857 | | | | 5700K | | | | | | 1150 | 115 |
| GLV73CD0D01/CW-DA10TSC144865 | | | | 6500K | | | | | | 1100 | 110 |
| GLV73CD0D01/CW-DA10TSC144927 | | | Warm-White | 2700K | 90 | LED Junction Temperature: 25°C | | | | 910 | 91 |
| GLV73CD0D01/CW-DA10TSC144930 | | | | 3000K | | | | | | 960 | 96 |
| GLV73CD0D01/CW-DA10TSC144935 | | | | 3500K | | | | | | 1010 | 101 |
| GLV73CD0D01/CW-DA10TSC144940 | | | Neutral-White | 4000K | | | | | | 1060 | 106 |
| GLV73CD0D01/CW-DA10TSC144950 | | | Cool-White | 5000K | | | | | | 1110 | 111 |
| GLV73CD0D01/CW-DA10TSC144957 | | | | 5700K | | | | | | 1110 | 111 |
| GLV73CD0D01/CW-DA10TSC144965 | | | | 6500K | | | | | | 1060 | 106 |
| GLV73CD0D01/CW-DA10TSC144827P | | | Warm-White | 2700K | 80 | LED Junction Temperature: 25°C | | | Yes | 818 | 82 |
| GLV73CD0D01/CW-DA10TSC144830P | | | | 3000K | | | | | | 861 | 86 |
| GLV73CD0D01/CW-DA10TSC144835P | | | | 3500K | | | | | | 904 | 90 |
| GLV73CD0D01/CW-DA10TSC144840P | | | Neutral-White | 4000K | | | | | | 947 | 95 |
| GLV73CD0D01/CW-DA10TSC144850P | | | Cool-White | 5000K | | | | | | 990 | 99 |
| GLV73CD0D01/CW-DA10TSC144857P | | | | 5700K | | | | | | 990 | 99 |
| GLV73CD0D01/CW-DA10TSC144865P | | | | 6500K | | | | | | 947 | 95 |
| GLV73CD0D01/CW-DA10TSC144927P | | | Warm-White | 2700K | 90 | LED Junction Temperature: 25°C | | | | 784 | 78 |
| GLV73CD0D01/CW-DA10TSC144930P | | | | 3000K | | | | | | 827 | 83 |
| GLV73CD0D01/CW-DA10TSC144935P | | | | 3500K | | | | | | 870 | 87 |
| GLV73CD0D01/CW-DA10TSC144940P | | | Neutral-White | 4000K | | | | | | 913 | 91 |
| GLV73CD0D01/CW-DA10TSC144950P | | | Cool-White | 5000K | | | | | | 956 | 96 |
| GLV73CD0D01/CW-DA10TSC144957P | | | | 5700K | | | | | | 956 | 96 |
| GLV73CD0D01/CW-DA10TSC144965P | | | | 6500K | | | | | | 913 | 91 |
| GLV73CD0D01/CW-DA15TSC144827 | 44 | Ø 130 mm | Warm-White | 2700K | 80 | LED Junction Temperature: 25°C | 120V+ /-10% | 15W | No | 1350 | 90 |
| GLV73CD0D01/CW-DA15TSC144830 | | | | 3000K | | | | | | 1425 | 95 |
| GLV73CD0D01/CW-DA15TSC144835 | | | | 3500K | | | | | | 1500 | 100 |
| GLV73CD0D01/CW-DA15TSC144840 | | | Neutral-White | 4000K | | | | | | 1575 | 105 |
| GLV73CD0D01/CW-DA15TSC144850 | | | Cool-White | 5000K | | | | | | 1650 | 110 |
| GLV73CD0D01/CW-DA15TSC144857 | | | | 5700K | | | | | | 1650 | 110 |
| GLV73CD0D01/CW-DA15TSC144865 | | | | 6500K | | | | | | 1575 | 105 |
| GLV73CD0D01/CW-DA15TSC144927 | | | Warm-White | 2700K | 90 | LED Junction Temperature: 25°C | | | | 1245 | 83 |
| GLV73CD0D01/CW-DA15TSC144930 | | | | 3000K | | | | | | 1320 | 88 |
| GLV73CD0D01/CW-DA15TSC144935 | | | | 3500K | | | | | | 1395 | 93 |
| GLV73CD0D01/CW-DA15TSC144940 | | | Neutral-White | 4000K | | | | | | 1470 | 98 |
| GLV73CD0D01/CW-DA15TSC144950 | | | Cool-White | 5000K | | | | | | 1545 | 103 |
| GLV73CD0D01/CW-DA15TSC144957 | | | | 5700K | | | | | | 1545 | 103 |
| GLV73CD0D01/CW-DA15TSC144965 | | | | 6500K | | | | | | 1470 | 98 |





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| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | VAC | Wattage | Cover | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GLV73CD0D01/CW-DA15TSC144827P | 44 | Ø 130 mm | Warm-White | 2700K | 80 | LED Junction Temperature: 25°C | 120V+ /-10% | 15W | Yes | 1163 | 78 |
| GLV73CD0D01/CW-DA15TSC144830P | | | | 3000K | | | | | | 1227 | 82 |
| GLV73CD0D01/CW-DA15TSC144835P | | | | 3500K | | | | | | 1292 | 86 |
| GLV73CD0D01/CW-DA15TSC144840P | | | Neutral-White | 4000K | | | | | | 1357 | 90 |
| GLV73CD0D01/CW-DA15TSC144850P | | | Cool-White | 5000K | | | | | | 1421 | 95 |
| GLV73CD0D01/CW-DA15TSC144857P | | | | 5700K | | | | | | 1421 | 95 |
| GLV73CD0D01/CW-DA15TSC144865P | | | | 6500K | | | | | | 1357 | 90 |
| GLV73CD0D01/CW-DA15TSC144927P | | | Warm-White | 2700K | 90 | LED Junction Temperature: 25°C | | | | 1072 | 71 |
| GLV73CD0D01/CW-DA15TSC144930P | | | | 3000K | | | | | | 1137 | 76 |
| GLV73CD0D01/CW-DA15TSC144935P | | | | 3500K | | | | | | 1202 | 80 |
| GLV73CD0D01/CW-DA15TSC144940P | | | Neutral-White | 4000K | | | | | | 1266 | 84 |
| GLV73CD0D01/CW-DA15TSC144950P | | | Cool-White | 5000K | | | | | | 1331 | 89 |
| GLV73CD0D01/CW-DA15TSC144957P | | | | 5700K | | | | | | 1331 | 89 |
| GLV73CD0D01/CW-DA15TSC144965P | | | | 6500K | | | | | | 1266 | 84 |
| GLV73CG0G0U/CW-DA25TSC188827 | 88 | Ø 160 mm | Warm-White | 2700K | 80 | LED Junction Temperature: 25°C | 120V+ /-10% | 25W | No | 2250 | 90 |
| GLV73CG0G0U/CW-DA25TSC188830 | | | | 3000K | | | | | | 2375 | 95 |
| GLV73CG0G0U/CW-DA25TSC188835 | | | | 3500K | | | | | | 2500 | 100 |
| GLV73CG0G0U/CW-DA25TSC188840 | | | Neutral-White | 4000K | | | | | | 2625 | 105 |
| GLV73CG0G0U/CW-DA25TSC188850 | | | Cool-White | 5000K | | | | | | 2750 | 110 |
| GLV73CG0G0U/CW-DA25TSC188857 | | | | 5700K | | | | | | 2750 | 110 |
| GLV73CG0G0U/CW-DA25TSC188865 | | | | 6500K | | | | | | 2625 | 105 |
| GLV73CG0G0U/CW-DA25TSC188927 | | | Warm-White | 2700K | 90 | LED Junction Temperature: 25°C | | | | 2075 | 83 |
| GLV73CG0G0U/CW-DA25TSC188930 | | | | 3000K | | | | | | 2200 | 88 |
| GLV73CG0G0U/CW-DA25TSC188935 | | | | 3500K | | | | | | 2325 | 93 |
| GLV73CG0G0U/CW-DA25TSC188940 | | | Neutral-White | 4000K | | | | | | 2445 | 98 |
| GLV73CG0G0U/CW-DA25TSC188950 | | | Cool-White | 5000K | | | | | | 2575 | 103 |
| GLV73CG0G0U/CW-DA25TSC188957 | | | | 5700K | | | | | | 2575 | 103 |
| GLV73CG0G0U/CW-DA25TSC188965 | | | | 6500K | | | | | | 2445 | 98 |
| GLV73CG0G0U/CW-DA25TSC188827P | | | Warm-White | 2700K | 80 | LED Junction Temperature: 25°C | | | Yes | 1988 | 80 |
| GLV73CG0G0U/CW-DA25TSC188830P | | | | 3000K | | | | | | 2099 | 84 |
| GLV73CG0G0U/CW-DA25TSC188835P | | | | 3500K | | | | | | 2209 | 88 |
| GLV73CG0G0U/CW-DA25TSC188840P | | | Neutral-White | 4000K | | | | | | 2319 | 93 |
| GLV73CG0G0U/CW-DA25TSC188850P | | | Cool-White | 5000K | | | | | | 2430 | 97 |
| GLV73CG0G0U/CW-DA25TSC188857P | | | | 5700K | | | | | | 2430 | 97 |
| GLV73CG0G0U/CW-DA25TSC188865P | | | | 6500K | | | | | | 2319 | 93 |
| GLV73CG0G0U/CW-DA25TSC188927P | | | Warm-White | 2700K | 90 | LED Junction Temperature: 25°C | | | | 1833 | 73 |
| GLV73CG0G0U/CW-DA25TSC188930P | | | | 3000K | | | | | | 1944 | 78 |
| GLV73CG0G0U/CW-DA25TSC188935P | | | | 3500K | | | | | | 2054 | 82 |
| GLV73CG0G0U/CW-DA25TSC188940P | | | Neutral-White | 4000K | | | | | | 2160 | 87 |
| GLV73CG0G0U/CW-DA25TSC188950P | | | Cool-White | 5000K | | | | | | 2275 | 91 |
| GLV73CG0G0U/CW-DA25TSC188957P | | | | 5700K | | | | | | 2275 | 91 |
| GLV73CG0G0U/CW-DA25TSC188965P | | | | 6500K | | | | | | 2160 | 87 |

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## AC CEILING MOUNT *(continued)*

| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | VAC | Wattage | Cover | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GLV73CG0G0T/CW-DA35TSC1D2827 | 132 | Ø 160 mm | Warm-White | 2700K | 80 | LED Junction Temperature: 25°C | 120V+ /-10% | 35W | No | 3185 | 91 |
| GLV73CG0G0T/CW-DA35TSC1D2830 | | | | 3000K | | | | | | 3360 | 96 |
| GLV73CG0G0T/CW-DA35TSC1D2835 | | | | 3500K | | | | | | 3535 | 101 |
| GLV73CG0G0T/CW-DA35TSC1D2840 | | | Neutral-White | 4000K | | | | | | 3710 | 106 |
| GLV73CG0G0T/CW-DA35TSC1D2850 | | | Cool-White | 5000K | | | | | | 3885 | 111 |
| GLV73CG0G0T/CW-DA35TSC1D2857 | | | | 5700K | | | | | | 3885 | 111 |
| GLV73CG0G0T/CW-DA35TSC1D2865 | | | | 6500K | | | | | | 3710 | 106 |
| GLV73CG0G0T/CW-DA35TSC1D2927 | | | Warm-White | 2700K | 90 | LED Junction Temperature: 25°C | | | | 2835 | 81 |
| GLV73CG0G0T/CW-DA35TSC1D2930 | | | | 3000K | | | | | | 3010 | 86 |
| GLV73CG0G0T/CW-DA35TSC1D2935 | | | | 3500K | | | | | | 3185 | 91 |
| GLV73CG0G0T/CW-DA35TSC1D2940 | | | Neutral-White | 4000K | | | | | | 3390 | 96 |
| GLV73CG0G0T/CW-DA35TSC1D2950 | | | Cool-White | 5000K | | | | | | 3535 | 101 |
| GLV73CG0G0T/CW-DA35TSC1D2957 | | | | 5700K | | | | | | 3535 | 101 |
| GLV73CG0G0T/CW-DA35TSC1D2965 | | | | 6500K | | | | | | 3390 | 96 |
| GLV73CG0G0T/CW-DA35TSC1D2827P | | | Warm-White | 2700K | 80 | LED Junction Temperature: 25°C | | | Yes | 2814 | 80 |
| GLV73CG0G0T/CW-DA35TSC1D2830P | | | | 3000K | | | | | | 2969 | 85 |
| GLV73CG0G0T/CW-DA35TSC1D2835P | | | | 3500K | | | | | | 3124 | 89 |
| GLV73CG0G0T/CW-DA35TSC1D2840P | | | Neutral-White | 4000K | | | | | | 3278 | 94 |
| GLV73CG0G0T/CW-DA35TSC1D2850P | | | Cool-White | 5000K | | | | | | 3433 | 98 |
| GLV73CG0G0T/CW-DA35TSC1D2857P | | | | 5700K | | | | | | 3433 | 98 |
| GLV73CG0G0T/CW-DA35TSC1D2865P | | | | 6500K | | | | | | 3278 | 94 |
| GLV73CG0G0T/CW-DA35TSC1D2927P | | | Warm-White | 2700K | 90 | LED Junction Temperature: 25°C | | | | 2505 | 72 |
| GLV73CG0G0T/CW-DA35TSC1D2930P | | | | 3000K | | | | | | 2660 | 76 |
| GLV73CG0G0T/CW-DA35TSC1D2935P | | | | 3500K | | | | | | 2814 | 80 |
| GLV73CG0G0T/CW-DA35TSC1D2940P | | | Neutral-White | 4000K | | | | | | 2995 | 85 |
| GLV73CG0G0T/CW-DA35TSC1D2950P | | | Cool-White | 5000K | | | | | | 3124 | 89 |
| GLV73CG0G0T/CW-DA35TSC1D2957P | | | | 5700K | | | | | | 3124 | 89 |
| GLV73CG0G0T/CW-DA35TSC1D2965P | | | | 6500K | | | | | | 2995 | 85 |

## PROTECTIVE COVER FOR 10W/15W CEILING MOUNT

| Part Number | Dimensions |
|---|---|
| GLVA1PCD01 | 130mm |

## PROTECTIVE COVER FOR 25W/35W CEILING MOUNT

| Part Number | Dimensions |
|---|---|
| GLVA1PCG01 | 160mm |



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## AC GEN2 COB

| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | VAC | Wattage | Cover | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GLV74CA2A21/CW-DA10TSE124827 | 24 | Ø 102 mm | Warm-White | 2700K | 80 | LED Junction Temperature: 25°C | 120V+ /-10% | 10W | No | 1023 | 102 |
| GLV74CA2A21/CW-DA10TSE124830 | | | | 3000K | | | | | | 1023 | 102 |
| GLV74CA2A21/CW-DA10TSE124835 | | | | 3500K | | | | | | 1103 | 110 |
| GLV74CA2A21/CW-DA10TSE124840 | | | Neutral-White | 4000K | | | | | | 1103 | 110 |
| GLV74CA2A21/CW-DA10TSE124850 | | | Cool-White | 5000K | | | | | | 1182 | 118 |
| GLV74CA2A21/CW-DA10TSE124857 | | | | 5700K | | | | | | 1103 | 110 |
| GLV74CA2A21/CW-DA10TSE124865 | | | | 6500K | | | | | | 1103 | 110 |
| GLV74CA2A21/CW-DA10TSE124927 | | | Warm-White | 2700K | 90 | | | | | 944 | 94 |
| GLV74CA2A21/CW-DA10TSE124930 | | | | 3000K | | | | | | 944 | 94 |
| GLV74CA2A21/CW-DA10TSE124827P | | | Warm-White | 2700K | 80 | | | | Yes | 937 | 94 |
| GLV74CA2A21/CW-DA10TSE124830P | | | | 3000K | | | | | | 937 | 94 |
| GLV74CA2A21/CW-DA10TSE124835P | | | | 3500K | | | | | | 1010 | 101 |
| GLV74CA2A21/CW-DA10TSE124840P | | | Neutral-White | 4000K | | | | | | 1010 | 101 |
| GLV74CA2A21/CW-DA10TSE124850P | | | Cool-White | 5000K | | | | | | 1083 | 108 |
| GLV74CA2A21/CW-DA10TSE124857P | | | | 5700K | | | | | | 1010 | 101 |
| GLV74CA2A21/CW-DA10TSE124865P | | | | 6500K | | | | | | 1010 | 101 |
| GLV74CA2A21/CW-DA10TSE124927P | | | Warm-White | 2700K | 90 | | | | | 865 | 86 |
| GLV74CA2A21/CW-DA10TSE124930P | | | | 3000K | | | | | | 865 | 86 |
| GLV74CA2A21/CW-DA20TSE124827 | 24 | Ø 102 mm | Warm-White | 2700K | 80 | LED Junction Temperature: 25°C | 120V+ /-10% | 20W | No | 1802 | 90 |
| GLV74CA2A21/CW-DA20TSE124830 | | | | 3000K | | | | | | 1802 | 90 |
| GLV74CA2A21/CW-DA20TSE124835 | | | | 3500K | | | | | | 1942 | 97 |
| GLV74CA2A21/CW-DA20TSE124840 | | | Neutral-White | 4000K | | | | | | 1942 | 97 |
| GLV74CA2A21/CW-DA20TSE124850 | | | Cool-White | 5000K | | | | | | 2082 | 104 |
| GLV74CA2A21/CW-DA20TSE124857 | | | | 5700K | | | | | | 1942 | 97 |
| GLV74CA2A21/CW-DA20TSE124865 | | | | 6500K | | | | | | 1942 | 97 |
| GLV74CA2A21/CW-DA20TSE124927 | | | Warm-White | 2700K | 90 | | | | | 1662 | 83 |
| GLV74CA2A21/CW-DA20TSE124930 | | | | 3000K | | | | | | 1662 | 83 |
| GLV74CA2A21/CW-DA20TSE124827P | | | Warm-White | 2700K | 80 | | | | Yes | 1651 | 83 |
| GLV74CA2A21/CW-DA20TSE124830P | | | | 3000K | | | | | | 1651 | 83 |
| GLV74CA2A21/CW-DA20TSE124835P | | | | 3500K | | | | | | 1779 | 89 |
| GLV74CA2A21/CW-DA20TSE124840P | | | Neutral-White | 4000K | | | | | | 1779 | 89 |
| GLV74CA2A21/CW-DA20TSE124850P | | | Cool-White | 5000K | | | | | | 1907 | 95 |
| GLV74CA2A21/CW-DA20TSE124857P | | | | 5700K | | | | | | 1779 | 89 |
| GLV74CA2A21/CW-DA20TSE124865P | | | | 6500K | | | | | | 1779 | 89 |
| GLV74CA2A21/CW-DA20TSE124927P | | | Warm-White | 2700K | 90 | | | | | 1523 | 76 |
| GLV74CA2A21/CW-DA20TSE124930P | | | | 3000K | | | | | | 1523 | 76 |

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## AC GEN2 COB *(continued)*

| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | VAC | Wattage | Cover | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GLV74CA2A21/CW-DA40TSE148827 | 48 | Ø 102 mm | Warm-White | 2700K | 80 | LED Junction Temperature: 25°C | 120V+ /-10% | 40W | No | 3532 | 88 |
| GLV74CA2A21/CW-DA40TSE148830 | | | | 3000K | | | | | | 3532 | 88 |
| GLV74CA2A21/CW-DA40TSE148835 | | | | 3500K | | | | | | 3806 | 95 |
| GLV74CA2A21/CW-DA40TSE148840 | | | Neutral-White | 4000K | | | | | | 3806 | 95 |
| GLV74CA2A21/CW-DA40TSE148850 | | | Cool-White | 5000K | | | | | | 4081 | 102 |
| GLV74CA2A21/CW-DA40TSE148857 | | | | 5700K | | | | | | 3806 | 95 |
| GLV74CA2A21/CW-DA40TSE148865 | | | | 6500K | | | | | | 3806 | 95 |
| GLV74CA2A21/CW-DA40TSE148927 | | | Warm-White | 2700K | 90 | | | | | 3258 | 81 |
| GLV74CA2A21/CW-DA40TSE148930 | | | | 3000K | | | | | | 3258 | 81 |
| GLV74CA2A21/CW-DA40TSE148827P | | | Warm-White | 2700K | 80 | | | | Yes | 3235 | 81 |
| GLV74CA2A21/CW-DA40TSE148830P | | | | 3000K | | | | | | 3235 | 81 |
| GLV74CA2A21/CW-DA40TSE148835P | | | | 3500K | | | | | | 3487 | 87 |
| GLV74CA2A21/CW-DA40TSE148840P | | | Neutral-White | 4000K | | | | | | 3487 | 87 |
| GLV74CA2A21/CW-DA40TSE148850P | | | Cool-White | 5000K | | | | | | 3738 | 93 |
| GLV74CA2A21/CW-DA40TSE148857P | | | | 5700K | | | | | | 3487 | 87 |
| GLV74CA2A21/CW-DA40TSE148865P | | | | 6500K | | | | | | 3487 | 87 |
| GLV74CA2A21/CW-DA40TSE148927P | | | Warm-White | 2700K | 90 | | | | | 2984 | 75 |
| GLV74CA2A21/CW-DA40TSE148930P | | | | 3000K | | | | | | 2984 | 75 |
| GLV74CD0D01/CW-DA60TSE172827 | 72 | Ø 130 mm | Warm-White | 2700K | 80 | LED Junction Temperature: 25°C | 120V+ /-10% | 60W | No | 5136 | 86 |
| GLV74CD0D01/CW-DA60TSE172830 | | | | 3000K | | | | | | 5136 | 86 |
| GLV74CD0D01/CW-DA60TSE172835 | | | | 3500K | | | | | | 5535 | 92 |
| GLV74CD0D01/CW-DA60TSE172840 | | | Neutral-White | 4000K | | | | | | 5535 | 92 |
| GLV74CD0D01/CW-DA60TSE172850 | | | Cool-White | 5000K | | | | | | 5934 | 99 |
| GLV74CD0D01/CW-DA60TSE172857 | | | | 5700K | | | | | | 5535 | 92 |
| GLV74CD0D01/CW-DA60TSE172865 | | | | 6500K | | | | | | 5535 | 92 |
| GLV74CD0D01/CW-DA60TSE172927 | | | Warm-White | 2700K | 90 | | | | | 4737 | 79 |
| GLV74CD0D01/CW-DA60TSE172930 | | | | 3000K | | | | | | 4737 | 79 |
| GLV74CD0D01/CW-DA60TSE172827P | | | Warm-White | 2700K | 80 | | | | Yes | 4705 | 78 |
| GLV74CD0D01/CW-DA60TSE172830P | | | | 3000K | | | | | | 4705 | 78 |
| GLV74CD0D01/CW-DA60TSE172835P | | | | 3500K | | | | | | 5070 | 84 |
| GLV74CD0D01/CW-DA60TSE172840P | | | Neutral-White | 4000K | | | | | | 5070 | 84 |
| GLV74CD0D01/CW-DA60TSE172850P | | | Cool-White | 5000K | | | | | | 5435 | 91 |
| GLV74CD0D01/CW-DA60TSE172857P | | | | 5700K | | | | | | 5070 | 84 |
| GLV74CD0D01/CW-DA60TSE172865P | | | | 6500K | | | | | | 5070 | 84 |
| GLV74CD0D01/CW-DA60TSE172927P | | | Warm-White | 2700K | 90 | | | | | 4339 | 72 |
| GLV74CD0D01/CW-DA60TSE172930P | | | | 3000K | | | | | | 4339 | 72 |





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| Part Number | LED Count | Dimensions | Color | CCT | Minimum CRI | Test Conditions | VAC | Wattage | Cover | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GLV74CD0D01/CW-DA80TSE196827 | 96 | Ø 130 mm | Warm-White | 2700K | 80 | LED Junction Temperature: 25°C | 120V+ /-10% | 80W | No | 6632 | 83 |
| GLV74CD0D01/CW-DA80TSE196830 | | | | 3000K | | | | | | 6632 | 83 |
| GLV74CD0D01/CW-DA80TSE196835 | | | | 3500K | | | | | | 7147 | 89 |
| GLV74CD0D01/CW-DA80TSE196840 | | | Neutral-White | 4000K | | | | | | 7147 | 89 |
| GLV74CD0D01/CW-DA80TSE196850 | | | Cool-White | 5000K | | | | | | 7662 | 96 |
| GLV74CD0D01/CW-DA80TSE196857 | | | | 5700K | | | | | | 7147 | 89 |
| GLV74CD0D01/CW-DA80TSE196865 | | | | 6500K | | | | | | 7147 | 89 |
| GLV74CD0D01/CW-DA80TSE196927 | | | Warm-White | 2700K | 90 | | | | | 6117 | 76 |
| GLV74CD0D01/CW-DA80TSE196930 | | | | 3000K | | | | | | 6117 | 76 |
| GLV74CD0D01/CW-DA80TSE196827P | | | Warm-White | 2700K | 80 | | | | Yes | 6075 | 76 |
| GLV74CD0D01/CW-DA80TSE196830P | | | | 3000K | | | | | | 6075 | 76 |
| GLV74CD0D01/CW-DA80TSE196835P | | | | 3500K | | | | | | 6546 | 82 |
| GLV74CD0D01/CW-DA80TSE196840P | | | Neutral-White | 4000K | | | | | | 6546 | 82 |
| GLV74CD0D01/CW-DA80TSE196850P | | | Cool-White | 5000K | | | | | | 7018 | 88 |
| GLV74CD0D01/CW-DA80TSE196857P | | | | 5000K | | | | | | 6546 | 82 |
| GLV74CD0D01/CW-DA80TSE196865P | | | | 6500K | | | | | | 6546 | 82 |
| GLV74CD0D01/CW-DA80TSE196927P | | | Warm-White | 2700K | 90 | | | | | 5603 | 70 |
| GLV74CD0D01/CW-DA80TSE196930P | | | | 3000K | | | | | | 5603 | 70 |

## PROTECTIVE COVER FOR 10W/20W/40W GEN2 COB

| Part Number | Dimensions |
|---|---|
| GLVA1PCA21 | 102mm |

## PROTECTIVE COVER FOR 60W/80W GEN2 COB

| Part Number | Dimensions |
|---|---|
| GLVA1PCD02 | 130mm |

AMERICAN BRIGHT OPTOELECTRONICS CORP.

## AMERICAN BRIGHT AC-DIRECT

| Part Number | LED Count | Dimensions (mm) | Color | CCT | Minimum CRI | Test Conditions | V input | Wattage | Cover | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AB-GES-C14124W301N2 | 40 | Ø 140 | Warm-White | 3000K | 80 | Ambient Temperature: 25°C | 120Vac+ /-8% | 24 | No | 2400 | 100 |
| AB-GES-C14124W401N2 | | | Neutral-White | 4000K | | | | | | 2700 | 113 |
| AB-GES-C14124W501N2 | | | Cool-White | 5000K | | | | | | 2700 | 113 |
| AB-GES-C06112W303T2 | 18 | Ø 65 | Warm-White | 3000K | | | | 12 | | 1100 | 92 |
| AB-GES-C06112W403T2 | | | Neutral-White | 4000K | | | | | | 1180 | 98 |
| AB-GES-C06112W503T2 | | | Cool-White | 5000K | | | | | | 1180 | 98 |
| AB-GES-S04124W30NN1 | 1 | Ø 40 | Warm-White | 3000K | | | | 24 | | 2100 | 88 |
| AB-GES-S04124W40NN1 | | | Neutral-White | 4000K | | | | | | 2100 | 88 |
| AB-GES-S04124W50NN1 | | | Cool-White | 5000K | | | | | | 2100 | 88 |
| AB-GES-R08136W301N2 | 42 | Ø 80 | Warm-White | 3000K | | | | 36 | | 3600 | 100 |
| AB-GES-R08136W401N2 | | | Neutral-White | 4000K | | | | | | 3600 | 100 |
| AB-GES-R08136W501N2 | | | Cool-White | 5000K | | | | | | 3600 | 100 |
| AB-GES-L08106W304T1 | 10 | 76 X 24 | Warm-White | 3000K | | | | 6 | | 600 | 100 |
| AB-GES-L08106W404T1 | | | Neutral-White | 4000K | | | | | | 630 | 105 |
| AB-GES-L08106W504T1 | | | Cool-White | 5000K | | | | | | 630 | 105 |
| AB-GES-L27104W304N3 | 12 | 270 X 20 | Warm-White | 3000K | | | | 4 | | 430 | 108 |
| AB-GES-L27104W404N3 | | | Neutral-White | 4000K | | | | | | 500 | 125 |
| AB-GES-L27104W504N3 | | | Cool-White | 5000K | | | | | | 500 | 125 |
| AB-GES-L28112W304T2 | 24 | 280 X 24 | Warm-White | 3000K | | | | 12 | | 1300 | 108 |
| AB-GES-L28112W404T2 | | | Neutral-White | 4000K | | | | | | 1400 | 117 |
| AB-GES-L28112W504T2 | | | Cool-White | 5000K | | | | | | 1400 | 117 |
| AB-GES-L56124W304T2 | 50 | 560 X 24 | Warm-White | 3000K | | | | 24 | | 2400 | 100 |
| AB-GES-L56124W404T2 | | | Neutral-White | 4000K | | | | | | 2700 | 113 |
| AB-GES-L56124W504T2 | | | Cool-White | 5000K | | | | | | 2700 | 113 |
| AB-GES-P28112W30BFT1 | 25 | 280 X 24 | Warm-White | 3000K | | | | 12 | Yes | 1080 | 90 |
| AB-GES-P28112W40BFT1 | | | Neutral-White | 4000K | | | | | | 1230 | 103 |
| AB-GES-P28112W50BFT1 | | | Cool-White | 5000K | | | | | | 1230 | 103 |
| AB-GES-P28112W30BCT1 | 25 | 280 X 24 | Warm-White | 3000K | | | | 12 | | 1080 | 90 |
| AB-GES-P28112W40BCT1 | | | Neutral-White | 4000K | | | | | | 1230 | 103 |
| AB-GES-P28112W50BCT1 | | | Cool-White | 5000K | | | | | | 1230 | 103 |
| AB-GES-C14224W301N2 | 40 | Ø 140 | Warm-White | 3000K | | | 230Vac+ /-8% | 24 | No | 2400 | 100 |
| AB-GES-C14224W401N2 | | | Neutral-White | 4000K | | | | | | 2700 | 113 |
| AB-GES-C14224W501N2 | | | Cool-White | 5000K | | | | | | 2700 | 113 |
| AB-GES-C06212W303T2 | 18 | Ø 65 | Warm-White | 3000K | | | | 12 | | 1100 | 92 |
| AB-GES-C06212W403T2 | | | Neutral-White | 4000K | | | | | | 1180 | 98 |
| AB-GES-C06212W503T2 | | | Cool-White | 5000K | | | | | | 1180 | 98 |
| AB-GES-S04224W30NN1 | 1 | Ø 40 | Warm-White | 3000K | | | | 24 | | 2100 | 88 |
| AB-GES-S04224W40NN1 | | | Neutral-White | 4000K | | | | | | 2100 | 88 |
| AB-GES-S04224W50NN1 | | | Cool-White | 5000K | | | | | | 2100 | 88 |
| AB-GES-R08236W301N2 | 42 | Ø 80 | Warm-White | 3000K | | | | 36 | | 3600 | 100 |
| AB-GES-R08236W401N2 | | | Neutral-White | 4000K | | | | | | 3600 | 100 |
| AB-GES-R08236W501N2 | | | Cool-White | 5000K | | | | | | 3600 | 100 |
| AB-GES-L08206W304T1 | 10 | 76 X 24 | Warm-White | 3000K | | | | 6 | | 600 | 100 |
| AB-GES-L08206W404T1 | | | Neutral-White | 4000K | | | | | | 630 | 105 |
| AB-GES-L08206W504T1 | | | Cool-White | 5000K | | | | | | 630 | 105 |



AMERICAN BRIGHT OPTOELECTRONICS CORP.

| Part Number | LED Count | Dimensions (mm) | Color | CCT | Minimum CRI | Test Conditions | V input | Wattage | Cover | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AB-GES-L27204W304N3 | 12 | 270 X 20 | Warm-White | 3000K | 80 | Ambient Temperature: 25°C | 230Vac+ /-8% | 4 | No | 430 | 108 |
| AB-GES-L27204W404N3 | | | Neutral-White | 4000K | | | | | | 500 | 125 |
| AB-GES-L27204W504N3 | | | Cool-White | 5000K | | | | | | 500 | 125 |
| AB-GES-L28212W304T2 | 24 | 280 X 24 | Warm-White | 3000K | | | | 12 | | 1300 | 108 |
| AB-GES-L28212W404T2 | | | Neutral-White | 4000K | | | | | | 1400 | 117 |
| AB-GES-L28212W504T2 | | | Cool-White | 5000K | | | | | | 1400 | 117 |
| AB-GES-L56224W304T2 | 50 | 560 X 24 | Warm-White | 3000K | | | | 24 | | 2400 | 100 |
| AB-GES-L56224W404T2 | | | Neutral-White | 4000K | | | | | | 2700 | 113 |
| AB-GES-L56224W504T2 | | | Cool-White | 5000K | | | | | | 2700 | 113 |
| AB-GES-P28212W30BFT1 | 25 | 280 X 24 | Warm-White | 3000K | | | | 12 | | 1080 | 90 |
| AB-GES-P28212W40BFT1 | | | Neutral-White | 4000K | | | | | | 1230 | 103 |
| AB-GES-P28212W50BFT1 | | | Cool-White | 5000K | | | | | | 1230 | 103 |
| AB-GES-P28212W30BCT1 | 25 | 280 X 24 | Warm-White | 3000K | | | | 12 | | 1080 | 90 |
| AB-GES-P28212W30BCT1 | | | Neutral-White | 4000K | | | | | | 1230 | 103 |
| AB-GES-P28212W30BCT1 | | | Cool-White | 5000K | | | | | | 1230 | 103 |

## AMERICAN BRIGHT SIMPLETUBE SLIMM

| Part Number | LED Count | Dimensions (mm) | Color | CCT | Minimum CRI | Test Conditions | V input | Wattage | Cover | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AB-STU-685024C1 | 72 | 1735 X 30 | Cool-White | 5000K | 80 | Ambient Temperature: 25°C | 120Vac+ /-8% | 24 | Yes | 1800 | 75 |
| AB-STU-605020C1 | 60 | 1563 X 30 | | | | | | 20 | | 1500 | 75 |
| AB-STU-684024C1 | 72 | 1735 X 30 | Neutral-White | 4000K | | | | 24 | | 1800 | 75 |
| AB-STU-604020C1 | 60 | 1563 X 30 | | | | | | 20 | | 1500 | 75 |
| AB-STU-485016C1 | 48 | 1222 X 30 | Cool-White | 5000K | | | | 16 | | 1200 | 75 |
| AB-STU-484016C1 | | | Neutral-White | 4000K | | | | 16 | | 1200 | 75 |
| AB-STU-685012E1 | 36 | 1735 X 30 | Cool-White | 5000K | | | | 12 | | 1020 | 85 |
| AB-STU-484008E1 | 24 | 1222 X 30 | Neutral-White | 4000K | | | | 8 | | 680 | 85 |
| AB-STU-605010E1 | 30 | 1563 X 30 | Cool-White | 5000K | | | | 10 | | 850 | 85 |
| AB-STU-684012E1 | 36 | 1735 X 30 | Neutral-White | 4000K | | | | 12 | | 1020 | 85 |
| AB-STU-485008E1 | 24 | 1222 X 30 | Cool-White | 5000K | | | | 8 | | 680 | 85 |

HPWINNER

HPWINNER

## HIGH POWER LED MODULES *(Asymmetrical beam patterns)*

| Series | Part Number System* | Lighting Source | Drive Current | Typical Forward Voltage | Typical Power Consumption | Nominal CCT | Minimum CRI | Typical Flux | Typical Efficacy | Lifetime L70 | Maximum Current | Maximum LED Solder Point Temperature (Ts) | Thermal Resistance (Tc to Ts)* | Storage Environment | IP Rating | Dimensions | Net Weight | Beam Type for Road Lighting: Parallel with Road | Beam Type for Road Lighting: Perpendicular to Road |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M1H-H | M1HH [Beam Type] LTX [CRI] [CCT] | 18 x Lumileds Luxeon TX LEDs | 700mA | 51.3V @Tc=50°C | 35.9W @Tc=50°C, driver efficiency 100% | 3000K | 70 | 4200lm | 117lm/W | >60,000 hrs @Tc=81.4°C | 1100mA | 105°C | 0.1°C/W | -40~+50°C, 10%~90%RH | IP68 | 275x75 x49mm | 0.85kg | T1S = Type I Short<br>T2M = Type II Medium<br>T3M = Type III Medium<br>T4M = Type IV Medium<br>T5M = Type V Medium | T1SV = Type I Short Vertical<br>T3MV = Type III Medium Vertical |
| | | | | | | 4000K | | 4500lm | 125lm/W | | | | | | | | | | |
| | | | | | | 5000K | | 4500lm | 125lm/W | | | | | | | | | | |
| | | | | | | 5700K | | 4500lm | 125lm/W | | | | | | | | | | |
| | | | | | | 3000K | 80 | 3570lm | 99lm/W | | | | | | | | | | |
| | | | | | | 4000K | | 3825lm | 107lm/W | | | | | | | | | | |
| | | | | | | 5000K | | 3825lm | 107lm/W | | | | | | | | | | |
| | | | 1050mA | 53.1V @Tc=65°C | 55.8W @Tc=65°C, driver efficiency 100% | 3000K | 70 | 5700lm | 102lm/W | >60,000 hrs @Tc=79.4°C | | | | | | | | | |
| | | | | | | 4000K | | 6100lm | 109lm/W | | | | | | | | | | |
| | | | | | | 5000K | | 6100lm | 109lm/W | | | | | | | | | | |
| | | | | | | 5700K | | 6100lm | 109lm/W | | | | | | | | | | |
| | | | | | | 3000K | 80 | 4845lm | 87lm/W | | | | | | | | | | |
| | | | | | | 4000K | | 5185lm | 93lm/W | | | | | | | | | | |
| | | | | | | 5000K | | 5185lm | 93lm/W | | | | | | | | | | |

*[Beam Type]= T1S/ T2M/ T3M/ T4M/ T5M/ T1SV/ T3MV, [CRI] = 7/ 8, [CCT] = 30/ 40/ 50/ 57.
Note: Performance data above are based on steady-state measurements done in 25°C ambient temperature with a tolerance of ±3°C on Tc, ±0.06V on forward voltage, ±6.5% on luminous flux and ±2 on CRI.

*Location of Tc points: at the base of the module, 17mm from the edge and 33mm apart (16.5mm on either side of the centerline of the module).
Note: Barrier applied for 5VA flammability rating.
PLEASE CONTACT YOUR LOCAL FLS REPRESENTATIVE FOR SUGGESTED DRIVER PAIRINGS FOR THESE MODULES.

## WATERPROOF CONNECTORS

| Product Picture | Part Number | Description |
|---|---|---|
| | C2A-01M500 | IP68 female connector for 1 module; UL cable, 2x18 AWG, flying leads 550±50mm |
| | C2A-S2M500 | IP68 female connector for 2 modules in series; UL cable, 2x18 AWG, flying leads 550±50mm |
| | C2A-S3M500 | IP68 female connector for 3 modules in series; UL cable, 2x18 AWG, flying leads 550±50mm |
| | C2A-S4M500 | IP68 female connnector for 4 modules in series; UL cable, 2x18 AWG, flying leads 550±50mm |
| | C2A-S5M620 | IP68 female connnector for 5 modules in series; UL cable, 2x18 AWG; flying leads 620±50mm |
| | C2A-01F500 | IP68 male connector; UL cable, 2x18 AWG, flying leads 550±50mm |
| | C2A-1FS1M | IP68 male and female connector for extension; UL cable, 2x18 AWG, cable 200±20mm |
| | C2A-S2M200F | IP68 male and female connector for 2 modules in series; UL cable, 2x18 AWG, cable 200±20mm |
| | C2A-S3M200F | IP68 male and female connector for 3 modules in series; UL cable, 2x18 AWG, cable 200±20mm |
| | C2A-S4M200F | IP68 male and female connector for 4 modules in series; UL cable, 2x18 AWG, cable 200±20mm |

LED LIGHT SOURCES

HPWINNER

## HIGH POWER LED MODULES *(Symmetrical beam patterns)*

| Series | Part Number System* | Lighting Source | Drive Current | Typical Forward Voltage | Typical Power Consumption | Nominal CCT | Minimum CRI | Typical Flux | Typical Efficacy | Lifetime L70 | Maximum Current | Maximum LED Solder Point Temperature (Ts) | Thermal Resistance (Tc to Ts)* | Storage Environment | IP Rating | Dimensions | Net Weight | Beam Type for Flood/High/Low Bay Lighting: Central Symmetry | Beam Type for Flood/High/Low Bay Lighting: Axial Symmetry |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M2H-H | M2HH [Beam Type] LTX [CRI] [CCT] | 18 x Lumileds Luxeon TX LEDs | 700mA | 51.3V @Tc=46.7°C | 35.9W @ Tc=46.7°C, driver efficiency 100% | 3000K | 70 | 4200lm | 117lm/W | >60,000 hrs @Tc=79.6°C | 1100mA | 105°C | 0.15°C/W | -40~+50°C, 10%~90%RH | IP68 | 275x75 x49mm | 0.85kg | 12D = 12°, 25D = 25°, 40D = 40°, 60D = 60°, 90D = 90° | 34D = 110° x 40° |
| | | | | | | 4000K | | 4500lm | 125lm/W | | | | | | | | | | |
| | | | | | | 5000K | | 4500lm | 125lm/W | | | | | | | | | | |
| | | | | | | 5700K | | 4500lm | 125lm/W | | | | | | | | | | |
| | | | | | | 3000K | 80 | 3570lm | 99lm/W | | | | | | | | | | |
| | | | | | | 4000K | | 3825lm | 107lm/W | | | | | | | | | | |
| | | | | | | 5000K | | 3825lm | 107lm/W | | | | | | | | | | |
| | | | 1050mA | 53.1V @Tc=57.7°C | 55.8W @ Tc=57.7°C, driver efficiency 100% | 3000K | 70 | 5700lm | 102lm/W | >60,000 hrs @Tc=76.6°C | | | | | | | | | |
| | | | | | | 4000K | | 6100lm | 109lm/W | | | | | | | | | | |
| | | | | | | 5000K | | 6100lm | 109lm/W | | | | | | | | | | |
| | | | | | | 5700K | | 6100lm | 109lm/W | | | | | | | | | | |
| | | | | | | 3000K | 80 | 4845lm | 87lm/W | | | | | | | | | | |
| | | | | | | 4000K | | 5185lm | 93lm/W | | | | | | | | | | |
| | | | | | | 5000K | | 5185lm | 93lm/W | | | | | | | | | | |

*[Beam Type]= 12D/ 25D/ 40D/ 60D/ 90D/ 34D, [CRI] = 7/ 8, [CCT] = 30/ 40/ 50/ 57.
Note: Performance data above are based on steady-state measurements done in 25°C ambient temperature with a tolerance of ±3°C on Tc, ±0.06V on forward voltage, ±6.5% on luminous flux and ±2 on CRI.

*Location of Tc points: at the base of the module, 26mm from the edge and 28mm apart (14mm on either side of the centerline of the module).
Note: Barrier applied for 5VA flammability rating.
PLEASE CONTACT YOUR LOCAL FLS REPRESENTATIVE FOR SUGGESTED DRIVER PAIRINGS FOR THESE MODULES.

## WATERPROOF CONNECTORS

| Product Picture | Part Number | Description |
|---|---|---|
| | C2A-01M500 | IP68 female connector for 1 module; UL cable, 2x18 AWG, flying leads 550±50mm |
| | C2A-S2M500 | IP68 female connector for 2 modules in series; UL cable, 2x18 AWG, flying leads 550±50mm |
| | C2A-S3M500 | IP68 female connector for 3 modules in series; UL cable, 2x18 AWG, flying leads 550±50mm |
| | C2A-S4M500 | IP68 female connnector for 4 modules in series; UL cable, 2x18 AWG, flying leads 550±50mm |
| | C2A-S5M620 | IP68 female connnector for 5 modules in series; UL cable, 2x18 AWG; flying leads 620±50mm |
| | C2A-01F500 | IP68 male connector; UL cable, 2x18 AWG, flying leads 550±50mm |
| | C2A-1FS1M | IP68 male and female connector for extension; UL cable, 2x18 AWG, cable 200±20mm |
| | C2A-S2M200F | IP68 male and female connector for 2 modules in series; UL cable, 2x18 AWG, cable 200±20mm |
| | C2A-S3M200F | IP68 male and female connector for 3 modules in series; UL cable, 2x18 AWG, cable 200±20mm |
| | C2A-S4M200F | IP68 male and female connector for 4 modules in series; UL cable, 2x18 AWG, cable 200±20mm |



LED LIGHT SOURCES

HPWINNER

## HIGH POWER LED MODULES *(Half size)*

| Series | Part Number System* | Lighting Source | Drive Current | Typical Forward Voltage | Typical Power Consumption | Nominal CCT | Minimum CRI | Typical Flux | Typical Efficacy | Lifetime L70 | Maximum Current | Maximum LED Solder Point Temperature (Ts) | Thermal Resistance (Tc to Ts)* | Storage Environment | IP Rating | Dimensions | Net Weight | Beam Type for Road Lighting | Beam Type for Flood/ High/ Low Bay Lighting |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | Parallel with Road | Central Symmetry |
| M6H-H | M6HH [Beam Type] LTX [CRI] [CCT] | 9 x Lumileds Luxeon TX LEDs | 700mA | 25.65V @Tc=54.7°C | 17.96W @ Tc=54.7°C, driver efficiency 100% | 3000K | 70 | 2100lm | 117lm/W | >60,000 hrs @ Tc=100.7°C | 1100mA | 105°C | 0.23°C/W | -40~+50°C, 10%~90%RH | IP68 | 115x 89x48mm | 0.36kg | T2S = Type II Short | LBN = Lambert Type |
| | | | | | | 4000K | | 2250lm | 125lm/W | | | | | | | | | | |
| | | | | | | 5000K | | 2250lm | 125lm/W | | | | | | | | | | |
| | | | | | | 5700K | | 2250lm | 125lm/W | | | | | | | | | | |
| | | | | | | 3000K | 80 | 1785lm | 99lm/W | | | | | | | | | | |
| | | | | | | 4000K | | 1913lm | 107lm/W | | | | | | | | | | |
| | | | | | | 5000K | | 1913lm | 107lm/W | | | | | | | | | | |
| | | | 1050mA | 26.55V @Tc=69.3°C | 27.88W @ Tc=69.3°C, driver efficiency 100% | 3000K | 70 | 2850lm | 102lm/W | >60,000 hrs @Tc=98.5°C | | | | | | | | | |
| | | | | | | 4000K | | 3050lm | 109lm/W | | | | | | | | | | |
| | | | | | | 5000K | | 3050lm | 109lm/W | | | | | | | | | | |
| | | | | | | 5700K | | 3050lm | 109lm/W | | | | | | | | | | |
| | | | | | | 3000K | 80 | 2423lm | 87lm/W | | | | | | | | | | |
| | | | | | | 4000K | | 2593lm | 93lm/W | | | | | | | | | | |
| | | | | | | 5000K | | 2593lm | 93lm/W | | | | | | | | | | |

*[Beam Type]= T2S/ LBN, [CRI] = 7/ 8, [CCT] = 30/ 40/ 50/ 57.
Note: Performance data above are based on steady-state measurements done in 25°C ambient temperature witha tolerance of ±3°C on Tc, ±0.06V on forward voltage, ±6.5% on luminous flux and ±2 on CRI.

*Location of Tc points: On the heat sink of the module, 21.8mm from the side edge and 60.2mm from the cord end edge.
Note: Barrier applied for 5VA flammability rating.
PLEASE CONTACT YOUR LOCAL FLS REPRESENTATIVE FOR SUGGESTED DRIVER PAIRINGS FOR THESE MODULES.

## WATERPROOF CONNECTORS

| Product Picture | Part Number | Description |
|---|---|---|
| | C2A-01M500 | IP68 female connector for 1 module; UL cable, 2x18 AWG, flying leads 550±50mm |
| | C2A-S2M500 | IP68 female connector for 2 modules in series; UL cable, 2x18 AWG, flying leads 550±50mm |
| | C2A-S3M500 | IP68 female connector for 3 modules in series; UL cable, 2x18 AWG, flying leads 550±50mm |
| | C2A-S4M500 | IP68 female connnector for 4 modules in series; UL cable, 2x18 AWG, flying leads 550±50mm |
| | C2A-S5M620 | IP68 female connnector for 5 modules in series; UL cable, 2x18 AWG; flying leads 620±50mm |
| | C2A-01F500 | IP68 male connector; UL cable, 2x18 AWG, flying leads 550±50mm |
| | C2A-1FS1M | IP68 male and female connector for extension; UL cable, 2x18 AWG, cable 200±20mm |
| | C2A-S2M200F | IP68 male and female connector for 2 modules in series; UL cable, 2x18 AWG, cable 200±20mm |
| | C2A-S3M200F | IP68 male and female connector for 3 modules in series; UL cable, 2x18 AWG, cable 200±20mm |
| | C2A-S4M200F | IP68 male and female connector for 4 modules in series; UL cable, 2x18 AWG, cable 200±20mm |



LED LIGHT SOURCES

HPWINNER

## HIGH POWER LED MODULES *(Asymmetrical beam patterns)*

| Series | Part Number System* | Lighting Source | Drive Current | Typical Forward Voltage | Typical Power Consumption | Nominal CCT | Minimum CRI | Typical Flux | Typical Efficacy | Lifetime L70 | Maximum Current | Maximum LED Solder Point Temperature (Ts) | Thermal Resistance (Tc to Ts)* | Storage Environment | IP Rating | Dimensions | Net Weight | Beam Type for Road Lighting: Parallel with Road | Beam Type for Road Lighting: Perpendicular to Road |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M1A | M1AH [Beam Type] LTX [CRI] [CCT] | 18 x Lumileds Luxeon TX LEDs | 700mA | 51.3V @Tc=50°C | 35.9W @Tc=50°C, driver efficiency 100% | 3000K | 70 | 4200lm | 117lm/W | >60,000 hrs @Tc=81.4°C | 1100mA | 105°C | 0.1°C/W | -40~+50°C, 10%~90%RH | IP68 | 275x75 x49mm | 0.85kg | T1S = Type I Short, T2M = Type II Medium, T3M = Type III Medium, T4M = Type IV Medium, T5M = Type V Medium | T1SV = Type I Short Vertical<br>T3MV = Type III Medium Vertical |
| | | | | | | 4000K | | 4500lm | 125lm/W | | | | | | | | | | |
| | | | | | | 5000K | | 4500lm | 125lm/W | | | | | | | | | | |
| | | | | | | 5700K | | 4500lm | 125lm/W | | | | | | | | | | |
| | | | | | | 3000K | 80 | 3570lm | 99lm/W | | | | | | | | | | |
| | | | | | | 4000K | | 3825lm | 107lm/W | | | | | | | | | | |
| | | | | | | 5000K | | 3825lm | 107lm/W | | | | | | | | | | |
| | | | 1050mA | 53.1V @Tc=65°C | 55.8W @Tc=65°C, driver efficiency 100% | 3000K | 70 | 5700lm | 102lm/W | >60,000 hrs @Tc=79.4°C | | | | | | | | | |
| | | | | | | 4000K | | 6100lm | 109lm/W | | | | | | | | | | |
| | | | | | | 5000K | | 6100lm | 109lm/W | | | | | | | | | | |
| | | | | | | 5700K | | 6100lm | 109lm/W | | | | | | | | | | |
| | | | | | | 3000K | 80 | 4845lm | 87lm/W | | | | | | | | | | |
| | | | | | | 4000K | | 5185lm | 93lm/W | | | | | | | | | | |
| | | | | | | 5000K | | 5185lm | 93lm/W | | | | | | | | | | |

*[Beam Type]= T1S/ T2M/ T3M/ T4M/ T5M/ T1SV/ T3MV, [CRI] = 7/ 8, [CCT] = 30/ 40/ 50/ 57.
Note: Performance data above are based on steady-state measurements done in 25°C ambient temperature with a tolerance of ±3°C on Tc, ±0.06V on forward voltage, ±6.5% on luminous flux and ±2 on CRI.

*Location of Tc points: at the base of the module, 17mm from the edge and 33mm apart (16.5mm on either side of the centerline of the module).
PLEASE CONTACT YOUR LOCAL FLS REPRESENTATIVE FOR SUGGESTED DRIVER PAIRINGS FOR THESE MODULES.

## WATERPROOF CONNECTORS

| Product Picture | Part Number | Description |
|---|---|---|
| | C1A-01M500 | IP68 female connector for 1 module; VDE/ CCC cable, 2Px1.0mm², flying leads 550±50mm |
| | C1A-S2M500 | IP68 female connector for 2 modules in series; VDE/ CCC cable, 2Px1.0mm², flying leads 550±50mm |
| | C1A-S3M500 | IP68 female connector for 3 modules in series; VDE/ CCC cable, 2Px1.0mm², flying leads 550±50mm |
| | C1A-S4M500 | IP68 female connnector for 4 modules in series; VDE/ CCC cable, 2Px1.0mm², flying leads 550±50mm |
| | C1A-01F500 | IP68 male connector; VDE/ CCC cable, 2Px1.0mm², flying leads 550±50mm |
| | C1A-1FS1M | IP68 male and female connector for extension; VDE/ CCC cable, 2Px1.0mm², cable 200±20mm |
| | C1A-S2M200F | IP68 male and female connector for 2 modules in series; VDE/ CCC cable, 2Px1.0mm², cable 200±20mm |
| | C1A-S3M200F | IP68 male and female connector for 3 modules in series; VDE/ CCC cable, 2Px1.0mm², cable 200±20mm |
| | C1A-S4M200F | IP68 male and female connector for 4 modules in series; VDE/ CCC cable, 2Px1.0mm², cable 200±20mm |



LED LIGHT SOURCES

HPWINNER

## HIGH VOLTAGE LED MODULE WITH HIGH POWER LEDS *(Symmetrical beam patterns)*

| Series | Part Number System* | Lighting Source | Drive Current | Typical Forward Voltage | Typical Power Consumption | Nominal CCT | Minimum CRI | Typical Flux | Typical Efficacy | Lifetime L70 | Maximum Current | Maximum LED Solder Point Temperature (Ts) | Thermal Resistance (Tc to Ts)* | Storage Environment | IP Rating | Dimensions | Net Weight | Beam Type for Flood/ High/ Low Bay Lighting: Central Symmetry | Beam Type for Flood/ High/ Low Bay Lighting: Axial Symmetry |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M2A | M2AH [Beam Type] LTX [CRI] [CCT] | 18 x Lumileds Luxeon TX LEDs | 700mA | 51.3V @Tc=46.7°C | 35.9W @ Tc=46.7°C, driver efficiency 100% | 3000K | 70 | 4200lm | 117lm/W | >60,000 hrs @Tc=79.6°C | 1100mA | 105°C | 0.15°C/W | -40~50°C, 10%~90%RH | IP68 | 275x75 x49mm | 0.85kg | 12D = 12°, 25D = 25°, 40D = 40°, 60D = 60°, 90D = 90° | 34D = 110° x 40° |
| | | | | | | 4000K | | 4500lm | 125lm/W | | | | | | | | | | |
| | | | | | | 5000K | | 4500lm | 125lm/W | | | | | | | | | | |
| | | | | | | 5700K | | 4500lm | 125lm/W | | | | | | | | | | |
| | | | | | | 3000K | 80 | 3570lm | 99lm/W | | | | | | | | | | |
| | | | | | | 4000K | | 3825lm | 107lm/W | | | | | | | | | | |
| | | | | | | 5000K | | 3825lm | 107lm/W | | | | | | | | | | |
| | | | 1050mA | 53.1V @Tc=57.7°C | 55.8W @ Tc=57.7°C, driver efficiency 100% | 3000K | 70 | 5700lm | 102lm/W | >60,000 hrs @Tc=76.6°C | | | | | | | | | |
| | | | | | | 4000K | | 6100lm | 109lm/W | | | | | | | | | | |
| | | | | | | 5000K | | 6100lm | 109lm/W | | | | | | | | | | |
| | | | | | | 5700K | | 6100lm | 109lm/W | | | | | | | | | | |
| | | | | | | 3000K | 80 | 4845lm | 87lm/W | | | | | | | | | | |
| | | | | | | 4000K | | 5185lm | 93lm/W | | | | | | | | | | |
| | | | | | | 5000K | | 5185lm | 93lm/W | | | | | | | | | | |

*[Beam Type]= 12D/ 25D/ 40D/ 60D/ 90D/ 34D, [CRI] = 7/ 8, [CCT] = 30/ 40/ 50/ 57.
Note: Performance data above are based on steady-state measurements done in 25°C ambient temperature with a tolerance of ±3°C on Tc, ±0.06V on forward voltage, ±6.5% on luminous flux and ±2 on CRI.

*Location of Tc points: at the base of the module, 26mm from the edge and 28mm apart (14mm on either side of the centerline of the module).
PLEASE CONTACT YOUR LOCAL FLS REPRESENTATIVE FOR SUGGESTED DRIVER PAIRINGS FOR THESE MODULES.

## WATERPROOF CONNECTORS

| Product Picture | Part Number | Description |
|---|---|---|
| | C1A-01M500 | IP68 female connector for 1 module; VDE/ CCC cable, 2Px1.0mm², flying leads 550±50mm |
| | C1A-S2M500 | IP68 female connector for 2 modules in series; VDE/ CCC cable, 2Px1.0mm², flying leads 550±50mm |
| | C1A-S3M500 | IP68 female connector for 3 modules in series; VDE/ CCC cable, 2Px1.0mm², flying leads 550±50mm |
| | C1A-S4M500 | IP68 female connnector for 4 modules in series; VDE/ CCC cable, 2Px1.0mm², flying leads 550±50mm |
| | C1A-01F500 | IP68 male connector; VDE/ CCC cable, 2Px1.0mm², flying leads 550±50mm |
| | C1A-1FS1M | IP68 male and female connector for extension; VDE/ CCC cable, 2Px1.0mm², cable 200±20mm |
| | C1A-S2M200F | IP68 male and female connector for 2 modules in series; VDE/ CCC cable, 2Px1.0mm², cable 200±20mm |
| | C1A-S3M200F | IP68 male and female connector for 3 modules in series; VDE/ CCC cable, 2Px1.0mm², cable 200±20mm |
| | C1A-S4M200F | IP68 male and female connector for 4 modules in series; VDE/ CCC cable, 2Px1.0mm², cable 200±20mm |



LED LIGHT SOURCES

HPWINNER

HPWINNER

## MID POWER LED MODULES *(High voltage output)*

| Series | Part Number System* | Lighting Source | Drive Current | Typical Forward Voltage | Typical Power Consumption | Nominal CCT | Minimum CRI | Typical Flux | Typical Efficacy | Lifetime L70 | Maximum Current | Maximum LED Solder Point Temperature (Ts) | Thermal Resistance (Tc to Ts)* | Storage Environment | IP Rating | Dimensions | Net Weight | Beam Type for Road Lighting | Beam Type for Flood/ High/ Low Bay Lighting |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | Parallel with Road | Central Symmetry |
| M8H-H | M8HH [Beam Type] LTX [CRI] [CCT] | 63 x Lumileds Luxeon 3030 2D LEDs | 700mA | 54V @Tc=52°C | 37.8W @Tc=52°C, driver efficiency 100% | 4000K | 70 | 5043lm | 133lm/W | >54,000 hrs @Tc=83.5°C | 1100mA | 105°C | 0.04°C/W | -40~+50°C, 10%~90%RH | IP68 | 275x75 x48mm | 0.85kg | T1S = Type I Short, 90D = 100±10° | 25D = 25°, 40D = 40°, 60D = 60°, LBN = Lambertian Type |
| | | | | | | 5000K | | 5043lm | 133lm/W | | | | | | | | | | |
| | | | | | | 5700K | | 5043lm | 133lm/W | | | | | | | | | | |
| | | | | | | 3000K | 80 | 4377lm | 116lm/W | | | | | | | | | | |
| | | | | | | 4000K | | 4886lm | 129lm/W | | | | | | | | | | |
| | | | | | | 5000K | | 4886lm | 129lm/W | | | | | | | | | | |
| | | | | | | 5700K | | 4886lm | 129lm/W | | | | | | | | | | |
| | | | 1050mA | 54V @Tc=64°C | 56.7W @Tc=64°C, driver efficiency 100% | 4000K | 70 | 6875lm | 121lm/W | >54,000 hrs @Tc=82.7°C | | | | | | | | | |
| | | | | | | 5000K | | 6875lm | 121lm/W | | | | | | | | | | |
| | | | | | | 5700K | | 6875lm | 121lm/W | | | | | | | | | | |
| | | | | | | 3000K | 80 | 5938lm | 105lm/W | | | | | | | | | | |
| | | | | | | 4000K | | 6651lm | 117lm/W | | | | | | | | | | |
| | | | | | | 5000K | | 6651lm | 117lm/W | | | | | | | | | | |
| | | | | | | 5700K | | 6651lm | 117lm/W | | | | | | | | | | |

*[Beam Type]= T1S/ 90D/ 25D/ 40D/ 60D/ LBN, [CRI] = 7/ 8, [CCT] = 30/ 40/ 50/ 57.
Note: Performance data above are based on steady-state measurements done in 25°C ambient temperature where there is a tolerance of ±3°C on Tc, ±0.1V on forward voltage, ±7.5% on luminous flux, and ±2 on CRI.

*Location of Tc points: at the base of the module, 17mm from the edge and 33mm apart (16.5mm on either side of the centerline of the module).
Note: Barrier applied for 5VA flammability rating.
PLEASE CONTACT YOUR LOCAL FLS REPRESENTATIVE FOR SUGGESTED DRIVER PAIRINGS FOR THESE MODULES.

## WATERPROOF CONNECTORS

| Product Picture | Part Number | Description |
|---|---|---|
| | C2A-01M500 | IP68 female connector for 1 module; UL cable, 2x18 AWG, flying leads 550±50mm |
| | C2A-S2M500 | IP68 female connector for 2 modules in series; UL cable, 2x18 AWG, flying leads 550±50mm |
| | C2A-S3M500 | IP68 female connector for 3 modules in series; UL cable, 2x18 AWG, flying leads 550±50mm |
| | C2A-S4M500 | IP68 female connnector for 4 modules in series; UL cable, 2x18 AWG, flying leads 550±50mm |
| | C2A-S5M620 | IP68 female connnector for 5 modules in series; UL cable, 2x18 AWG; flying leads 620±50mm |
| | C2A-01F500 | IP68 male connector; UL cable, 2x18 AWG, flying leads 550±50mm |
| | C2A-1FS1M | IP68 male and female connector for extension; UL cable, 2x18 AWG, cable 200±20mm |
| | C2A-S2M200F | IP68 male and female connector for 2 modules in series; UL cable, 2x18 AWG, cable 200±20mm |
| | C2A-S3M200F | IP68 male and female connector for 3 modules in series; UL cable, 2x18 AWG, cable 200±20mm |
| | C2A-S4M200F | IP68 male and female connector for 4 modules in series; UL cable, 2x18 AWG, cable 200±20mm |



LED LIGHT SOURCES

HPWINNER

HPWINNER

## MID POWER LED MODULES *(Low voltage output)*

| Series | Part Number System* | Lighting Source | Drive Current | Typical Forward Voltage | Typical Power Consumption | Nominal CCT | Minimum CRI | Typical Flux | Typical Efficacy | Lifetime L70 | Maximum Current | Maximum LED Solder Point Temperature (Ts) | Thermal Resistance (Tc to Ts)* | Storage Environment | IP Rating | Dimensions | Net Weight | Beam Type for Road Lighting | Beam Type for Flood/ High/ Low Bay Lighting |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | Parallel with Road | Central Symmetry |
| M8H-L | M8HL [Beam Type] LTX [CRI] [CCT] | 64 x Lumileds Luxeon 3030 2D LEDs | 1.4A | 24V @Tc=41°C | 33.6W @Tc=41°C, driver efficiency 100% | 4000K | 70 | 4568lm | 136lm/W | >54,000 hrs @Tc=83.3°C | 2.1A | 105°C | 0.05°C/W | -40~+50°C, 10%~90%RH | IP68 | 275x75 x48mm | 0.85kg | T1S = Type I Short, 90D = 100±10° | 25D = 25°, 40D = 40°, 60D = 60°, LBN = Lambertian Type |
| | | | | | | 5000K | | 4568lm | 136lm/W | | | | | | | | | | |
| | | | | | | 5700K | | 4568lm | 136lm/W | | | | | | | | | | |
| | | | | | | 3000K | 80 | 4032lm | 120lm/W | | | | | | | | | | |
| | | | | | | 4000K | | 4138lm | 123lm/W | | | | | | | | | | |
| | | | | | | 5000K | | 4138lm | 123lm/W | | | | | | | | | | |
| | | | | | | 5700K | | 4138lm | 123lm/W | | | | | | | | | | |
| | | | 2.1A | 24V @Tc=52°C | 50.4W @Tc=52°C, driver efficiency 100% | 4000K | 70 | 6375lm | 126lm/W | >54,000 hrs @Tc=82.5°C | | | | | | | | | |
| | | | | | | 5000K | | 6375lm | 126lm/W | | | | | | | | | | |
| | | | | | | 5700K | | 6375lm | 126lm/W | | | | | | | | | | |
| | | | | | | 3000K | 80 | 5644lm | 112lm/W | | | | | | | | | | |
| | | | | | | 4000K | | 5828lm | 116lm/W | | | | | | | | | | |
| | | | | | | 5000K | | 5828lm | 116lm/W | | | | | | | | | | |
| | | | | | | 5700K | | 5828lm | 116lm/W | | | | | | | | | | |

*[Beam Type]= T1S/ 90D/ 25D/ 40D/ 60D/ LBN, [CRI] = 7/ 8, [CCT] = 30/ 40/ 50/ 57.
Note: Performance data above are based on steady-state measurements done in 25°C ambient temperature where there is a tolerance of ±3°C on Tc, ±0.1V on forward voltage, ±7.5% on luminous flux, and ±2 on CRI.

*Location of Tc points: at the base of the module, 17mm from the edge and 33mm apart (16.5mm on either side of the centerline of the module).
PLEASE CONTACT YOUR LOCAL FLS REPRESENTATIVE FOR SUGGESTED DRIVER PAIRINGS FOR THESE MODULES.

## WATERPROOF CONNECTORS

| Product Picture | Part Number | Description |
|---|---|---|
| | C2A-01M500 | IP68 female connector for 1 module; UL cable, 2x18 AWG, flying leads 550±50mm |
| | C2A-S2M500 | IP68 female connector for 2 modules in series; UL cable, 2x18 AWG, flying leads 550±50mm |
| | C2A-S3M500 | IP68 female connector for 3 modules in series; UL cable, 2x18 AWG, flying leads 550±50mm |
| | C2A-S4M500 | IP68 female connnector for 4 modules in series; UL cable, 2x18 AWG, flying leads 550±50mm |
| | C2A-S5M620 | IP68 female connnector for 5 modules in series; UL cable, 2x18 AWG; flying leads 620±50mm |
| | C2A-01F500 | IP68 male connector; UL cable, 2x18 AWG, flying leads 550±50mm |
| | C2A-1FS1M | IP68 male and female connector for extension; UL cable, 2x18 AWG, cable 200±20mm |
| | C2A-S2M200F | IP68 male and female connector for 2 modules in series; UL cable, 2x18 AWG, cable 200±20mm |
| | C2A-S3M200F | IP68 male and female connector for 3 modules in series; UL cable, 2x18 AWG, cable 200±20mm |
| | C2A-S4M200F | IP68 male and female connector for 4 modules in series; UL cable, 2x18 AWG, cable 200±20mm |



LED LIGHT SOURCES

HPWINNER

## MID POWER LED MODULES *(High voltage output)*

| Series | Part Number System* | Lighting Source | Drive Current | Typical Forward Voltage | Typical Power Consumption | Nominal CCT | Minimum CRI | Typical Flux | Typical Efficacy | Lifetime L70 | Maximum Current | Maximum LED Solder Point Temperature (Ts) | Thermal Resistance (Tc to Ts)* | Storage Environment | IP Rating | Dimensions | Net Weight | Beam Type for Road Lighting | Beam Type for Flood/ High/ Low Bay Lighting |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | Parallel with Road | Central Symmetry |
| M8B | M8BH [Beam Type] L30 [CRI] [CCT] | 63 x Lumileds Luxeon 3030 2D LEDs | 700mA | 54V @Tc=52°C | 37.8W @Tc=52°C, driver efficiency 100% | 4000K | 70 | 5043lm | 133lm/W | >54,000 hrs @Tc=83.5°C | 1100mA | 105°C | 0.04°C/W | -40~+50°C, 10%~90%RH | IP68 | 275x75 x48mm | 0.85kg | T1S = Type I Short, 90D = 100±10° | 25D = 25°, 40D = 40°, 60D = 60°, LBN = Lambertian Type |
| | | | | | | 5000K | | 5043lm | 133lm/W | | | | | | | | | | |
| | | | | | | 5700K | | 5043lm | 133lm/W | | | | | | | | | | |
| | | | | | | 3000K | 80 | 4377lm | 116lm/W | | | | | | | | | | |
| | | | | | | 4000K | | 4886lm | 129lm/W | | | | | | | | | | |
| | | | | | | 5000K | | 4886lm | 129lm/W | | | | | | | | | | |
| | | | | | | 5700K | | 4886lm | 129lm/W | | | | | | | | | | |
| | | | 1050mA | 54V @Tc=64°C | 56.7W @Tc=64°C, driver efficiency 100% | 4000K | 70 | 6875lm | 121lm/W | >54,000 hrs @Tc=82.7°C | | | | | | | | | |
| | | | | | | 5000K | | 6875lm | 121lm/W | | | | | | | | | | |
| | | | | | | 5700K | | 6875lm | 121lm/W | | | | | | | | | | |
| | | | | | | 3000K | 80 | 5938lm | 105lm/W | | | | | | | | | | |
| | | | | | | 4000K | | 6651lm | 117lm/W | | | | | | | | | | |
| | | | | | | 5000K | | 6651lm | 117lm/W | | | | | | | | | | |
| | | | | | | 5700K | | 6651lm | 117lm/W | | | | | | | | | | |

*[Beam Type]= T1S/ 90D/ 25D/ 40D/ 60D/ LBN, [CRI] = 7/ 8, [CCT] = 30/ 40/ 50/ 57.
Note: Performance data above are based on steady-state measurements done in 25°C ambient temperature where there is a tolerance of ±3°C on Tc, ±0.1V on forward voltage, ±7.5% on luminous flux, and ±2 on CRI.

*Location of Tc points: at the base of the module, 17mm from the edge and 33mm apart (16.5mm on either side of the centerline of the module).
PLEASE CONTACT YOUR LOCAL FLS REPRESENTATIVE FOR SUGGESTED DRIVER PAIRINGS FOR THESE MODULES.

## WATERPROOF CONNECTORS

| Product Picture | Part Number | Description |
|---|---|---|
| | C1A-01M500 | IP68 female connector for 1 module; VDE/ CCC cable, 2Px1.0mm², flying leads 550±50mm |
| | C1A-S2M500 | IP68 female connector for 2 modules in series; VDE/ CCC cable, 2Px1.0mm², flying leads 550±50mm |
| | C1A-S3M500 | IP68 female connector for 3 modules in series; VDE/ CCC cable, 2Px1.0mm², flying leads 550±50mm |
| | C1A-S4M500 | IP68 female connnector for 4 modules in series; VDE/ CCC cable, 2Px1.0mm², flying leads 550±50mm |
| | C1A-01F500 | IP68 male connector; VDE/ CCC cable, 2Px1.0mm², flying leads 550±50mm |
| | C1A-1FS1M | IP68 male and female connector for extension; VDE/ CCC cable, 2Px1.0mm², cable 200±20mm |
| | C1A-S2M200F | IP68 male and female connector for 2 modules in series; VDE/ CCC cable, 2Px1.0mm², cable 200±20mm |
| | C1A-S3M200F | IP68 male and female connector for 3 modules in series; VDE/ CCC cable, 2Px1.0mm², cable 200±20mm |
| | C1A-S4M200F | IP68 male and female connector for 4 modules in series; VDE/ CCC cable, 2Px1.0mm², cable 200±20mm |



LED LIGHT SOURCES

PHILIPS

# LED STRIP LV4

## LED STRIP 1R LV4 0.5FT 550LM

| Part Number | Dimensions | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929000775413 | 140 mm x 20 mm | Warm-White | 3000K | 3 SDCM | 80 | Current: 100mA Tc Temperature: 45°C | 33.8 | 520 | 170 | Current: 135mA* Tc Temperature: 80°C* |
| 929000775513 | | | 3500K | | | | | 530 | 175 | |
| 929000775613 | | Neutral-White | 4000K | | | | | 540 | 179 | |
| 929000775713 | | Cool-White | 5000K | | | | | 550 | 181 | |
| 929000775813 | | Warm-White | 2700K | | 90 | | | 410 | 133 | Current: 140mA** Tc Temperature: 95°C** |
| 929000775913 | | | 3000K | | | | | 430 | 141 | |
| 929000776013 | | | 3500K | | | | | 430 | 145 | |
| 929000776113 | | Neutral-White | 4000K | | | | | 450 | 148 | |

*Maximum value for warranty / **Maximum value for safety

## LED STRIP 1R LV4 1FT 1100LM

| Part Number | Dimensions | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929000776213 | 280 mm x 20 mm | Warm-White | 3000K | 3 SDCM | 80 | Current: 180mA Tc Temperature: 45°C | 33.8 | 1030 | 170 | Current: 270mA* Tc Temperature: 80°C** |
| 929000776313 | | | 3500K | | | | | 1070 | 175 | |
| 929000776413 | | Neutral-White | 4000K | | | | | 1090 | 179 | |
| 929000776513 | | Cool-White | 5000K | | | | | 1100 | 181 | |
| 929000776613 | | Warm-White | 2700K | | 90 | | | 810 | 133 | Current: 2800mA** Tc Temperature: 95°C** |
| 929000776713 | | | 3000K | | | | | 860 | 141 | |
| 929000776813 | | | 3500K | | | | | 880 | 145 | |
| 929000776913 | | Neutral-White | 4000K | | | | | 900 | 148 | |

*Maximum value for warranty / **Maximum value for safety

## LED STRIP 1R LV4 2FT 2200LM

| Part Number | Dimensions | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929000777013 | 560 mm x 20 mm | Warm-White | 3000K | 3 SDCM | 80 | Current: 360mA Tc Temperature: 45°C | 33.8 | 2070 | 170 | Current: 540mA* Tc Temperature: 80°C* |
| 929000777113 | | | 3500K | | | | | 2130 | 175 | |
| 929000777213 | | Neutral-White | 4000K | | | | | 2170 | 179 | |
| 929000777313 | | Cool-White | 5000K | | | | | 2200 | 181 | |
| 929000777413 | | Warm-White | 2700K | | 90 | | | 1620 | 133 | Current: 560mA** Tc Temperature: 95°C** |
| 929000777513 | | | 3000K | | | | | 1720 | 141 | |
| 929000777113 | | | 3500K | | | | | 1770 | 145 | |
| 929000777213 | | Neutral-White | 4000K | | | | | 1800 | 148 | |

*Maximum value for warranty / **Maximum value for safety





PHILIPS

## LED STRIP 1R LV4 24IN 2200LM

| Part Number | Dimensions | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929000777813 | 603 mm x 20 mm | Warm-White | 3000K | 3 SDCM | 80 | Current: 360mA Tc Temperature: 45°C | 33.8 | 2070 | 170 | Current: 540mA* Tc Temperature: 80°C* |
| 929000777913 | | | 3500K | | | | | 2130 | 175 | |
| 929000778013 | | Neutral-White | 4000K | | | | | 2170 | 179 | |
| 929000778113 | | Cool-White | 5000K | | | | | 2200 | 181 | |
| 929000778213 | | Warm-White | 2700K | | 90 | | | 1620 | 133 | Current: 560mA** Tc Temperature: 95°C** |
| 929000778313 | | | 3000K | | | | | 1720 | 141 | |
| 929000778413 | | | 3500K | | | | | 1770 | 145 | |
| 929000778513 | | Neutral-White | 4000K | | | | | 1800 | 148 | |

*Maximum value for warranty / **Maximum value for safety

## LED STRIP LV4 HIGH FLUX 2FT 4000LM

| Part Number | Dimensions | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929000779413 | 560 mm x 20 mm | Warm-White | 3000K | 3 SDCM | 80 | Current: 680mA Tc Temperature: 55°C | 34.2 | 3780 | 163 | Current: 810mA* Tc Temperature: 85°C* |
| 929000779513 | | | 3500K | | | | | 3900 | 168 | |
| 929000779613 | | Neutral-White | 4000K | | | | | 3980 | 171 | Current: 840mA** Tc Temperature: 95°C** |
| 929000779713 | | Cool-White | 5000K | | | | | 4020 | 173 | |

*Maximum value for warranty / **Maximum value for safety

## LED STRIP LV4 HIGH FLUX 4FT 8000LM

| Part Number | Dimensions | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929000779813 | 1118 mm x 20 mm | Warm-White | 3000K | 3 SDCM | 80 | Current: 1360mA Tc Temperature: 55°C | 34.2 | 7560 | 163 | Current: 1620mA* Tc Temperature: 85°C* |
| 929000779913 | | | 3500K | | | | | 7800 | 168 | |
| 929000780013 | | Neutral-White | 4000K | | | | | 7950 | 171 | Current: 1680mA** Tc Temperature: 95°C** |
| 929000780113 | | Cool-White | 5000K | | | | | 8040 | 173 | |

*Maximum value for warranty / **Maximum value for safety

PHILIPS

## LED STRIP VALUE OFFER

### LED STRIP V0 LV1 1FT 700LM

| Part Number | Dimensions | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929000759413 | 280 mm x 20 mm | Warm-White | 3000K | 3 SDCM | 80 | Current: 188mA Tc Temperature: 45°C | 41.8 | 640 | 137 | Current: 188 mA* Tc Temperature: 80°C* |
| 929000759513 | | | 3500K | | | | | 670 | 142 | |
| 929000759613 | | Neutral-White | 4000K | | | | | 700 | 150 | Current: 200mA** Tc Temperature: 85°C** |
| 929000759713 | | Cool-White | 5000K | | | | | 700 | 150 | |

*Maximum value for warranty / **Maximum value for safety

### LED STRIP V0 LV1 2FT 1400LM

| Part Number | Dimensions | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929000759813 | 560 mm x 20 mm | Warm-White | 3000K | 3 SDCM | 80 | Current: 375mA Tc Temperature: 45°C | 41.8 | 1280 | 137 | Current: 375mA* Tc Temperature: 80°C* |
| 929000759913 | | | 3500K | | | | | 1330 | 142 | |
| 929000760013 | | Neutral-White | 4000K | | | | | 1400 | 150 | Current: 400mA** Tc Temperature: 85°C** |
| 929000760113 | | Cool-White | 5000K | | | | | 1400 | 150 | |

*Maximum value for warranty / **Maximum value for safety

## LED FORTIMO EASESELECT 4FT 4400LM SYSTEM

### LED FORTIMO LLS EASESELECT 4FT 4400LM 1R LV1 36W INT

| Part Number | Dimensions | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929000760813 | 1129.5 mm x 39.8 mm | Warm-White | 3000K | 3 SDCM | 80 | Current: 100mA Tc Temperature: 45°C | 34.2 | 530 | 155 | Current: 130mA* Tc Temperature: 70°C* |
| 929000760913 | | | 3500K | | | | | 530 | 155 | |
| 929000761013 | | Neutral-White | 4000K | | | | | 550 | 160 | Current: 150mA** Tc Temperature: 80°C** |
| 929000761313 | | Cool-White | 5000K | | | | | 560 | 163 | |
| 929000761113 | 36W Driver | | | | | | | | | |

*Maximum value for warranty / **Maximum value for safety





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## LED LINE LV3

### LED Line 1R LV3 1FT 1100LM

| Part Number | Dimensions | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929000918806 | 280 mm x 40 mm | Warm-White | 3000K | 3 SDCM | 80 | Current: 234mA Tc Temperature: 45°C | 30.9 | 1046 | 145 | Current: 300mA* Tc Temperature: 70°C* |
| 929000918906 | | | 3500K | | | | | 1079 | 149 | |
| 929000919006 | | Neutral-White | 4000K | | | | | 1100 | 152 | Current: 400mA** Tc Temperature: 80°C** |
| 929000919106 | | Cool-White | 5000K | | | | | 1100 | 152 | |

*Maximum value for warranty / **Maximum value for safety

### LED Line 3R LV3 1FT 1100LM

| Part Number | Dimensions | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929000921706 | 280 mm x 55 mm | Warm-White | 3000K | 3 SDCM | 80 | Current: 228mA Tc Temperature: 40°C | 29.4 | 1046 | 156 | Current: 450mA** Tc Temperature: 80°C** |
| 929000921806 | | | 3500K | | | | | 1079 | 161 | |
| 929000921906 | | Neutral-White | 4000K | | | | | 1100 | 164 | |
| 929000922006 | | Cool-White | 5000K | | | | | 1100 | 164 | |

*Maximum value for warranty / **Maximum value for safety

### LED Line 1R LV3 2FT 2200LM

| Part Number | Dimensions | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929000919906 | 560 mm x 40 mm | Warm-White | 3000K | 3 SDCM | 80 | Current: 468mA Tc Temperature: 45°C | 30.9 | 2092 | 145 | Current: 600mA* Tc Temperature: 70°C* |
| 929000920006 | | | 3500K | | | | | 2157 | 149 | |
| 929000920106 | | Neutral-White | 4000K | | | | | 2200 | 152 | Current: 700mA** Tc Temperature: 80°C** |
| 929000920206 | | Cool-White | 5000K | | | | | 2200 | 152 | |

*Maximum value for warranty / **Maximum value for safety

## LED LINE HIGH FLUX

### LED Line 1R LV2 HIGH FLUX 1FT 2000LM

| Part Number | Dimensions | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929000719713 | 280 mm x 40 mm | Warm-White | 3000K | 3 SDCM | 80 | Current: 440mA Tc Temperature: 55°C | 32 | 1910 | 136 | Current: 500mA* Tc Temperature: 90°C* |
| 929000719813 | | | 3500K | | | | | 1950 | 138 | |
| 929000719913 | | Neutral-White | 4000K | | | | | 2000 | 142 | Current: 500mA** Tc Temperature: 100°C** |
| 929000720013 | | Cool-White | 5000K | | | | | 2010 | 143 | |

*Maximum value for warranty / **Maximum value for safety

### LED Line 1R LV2 HIGH FLUX 2FT 4000LM

| Part Number | Dimensions | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929000720513 | 560 mm x 40 mm | Warm-White | 3000K | 3 SDCM | 80 | Current: 880mA Tc Temperature: 55°C | 32 | 3820 | 136 | Current: 1000mA* Tc Temperature: 90°C* |
| 929000720613 | | | 3500K | | | | | 3900 | 138 | |
| 929000720713 | | Neutral-White | 4000K | | | | | 4000 | 142 | Current: 1200mA** Tc Temperature: 100°C** |
| 929000720813 | | Cool-White | 5000K | | | | | 4020 | 143 | |

*Maximum value for warranty / **Maximum value for safety

### LED Line 2R LV1 HIGH FLUX 2FT 6000LM

| Part Number | Dimensions | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929000743813 | 560 mm x 40 mm | Warm-White | 3000K | 3 SDCM | 80 | Current: 1250mA Tc Temperature: 75°C | 30.8 | 5770 | 150 | Current: 1400mA* Tc Temperature: 90°C* |
| 929000743913 | | | 3500K | | | | | 5950 | 155 | |
| 929000744013 | | Neutral-White | 4000K | | | | | 6070 | 158 | Current: 1400mA** Tc Temperature: 95°C** |
| 929000744113 | | Cool-White | 5000K | | | | | 6130 | 160 | |

*Maximum value for warranty / **Maximum value for safety

## DLM ES

### FORTIMO LED DLM ES 1100 LM G1 NA

| Product Code | CCT (K) | Color Consistency | CRI | Luminous Flux (lm) | Nominal Input Voltage (V) | Nominal Input Current (A) | Nominal Input Frequency (Hz) | Efficacy (lm/W) | Power @ 277V AC 50Hz (W) | Power Factor 277V AC 50Hz | THD @ 277V | Dimming |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 929000791513 | 3000K | 3 SDCM | 80 | 1100 | 120 - 277 | 0.09/ 0.042 | 50 - 60 | 96 | 10.8 | > 0.9 | <15% | 0-10V 1% |
| 929000791613 | 3500K | | | | 121 - 277 | | | 98 | | | | |
| 929000791713 | 4000K | | | | 122 - 277 | | | 101 | | | | |

### FORTIMO LED DLM ES 1500 LM G1 NA

| Product Code | CCT (K) | Color Consistency | CRI | Luminous Flux (lm) | Nominal Input Voltage (V) | Nominal Input Current (A) | Nominal Input Frequency (Hz) | Efficacy (lm/W) | Power @ 277V AC 50Hz (W) | Power Factor 277V AC 50Hz | THD @ 277V | Dimming |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 929000791813 | 3000K | 3 SDCM | 80 | 1500 | 123 - 277 | 0.128/ 0.058 | 50 - 60 | 95 | 14.7 | > 0.9 | <15% | 0-10V 1% |
| 929000791913 | 3500K | | | | 124 - 277 | | | 97 | | | | |
| 929000792013 | 4000K | | | | 125 - 277 | | | 100 | | | | |

### FORTIMO LED DLM ES 2000 LM G1 NA

| Product Code | CCT (K) | Color Consistency | CRI | Luminous Flux (lm) | Nominal Input Voltage (V) | Nominal Input Current (A) | Nominal Input Frequency (Hz) | Efficacy (lm/W) | Power @ 277V AC 50Hz (W) | Power Factor 277V AC 50Hz | THD @ 277V | Dimming |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 929000792113 | 3000K | 3 SDCM | 80 | 1100 | 126 - 277 | 0.17/ 0.077 | 50 - 60 | 95 | 19.5 | > 0.9 | <15% | 0-10V 1% |
| 929000792213 | 3500K | | | | 127 - 277 | | | 97 | | | | |
| 929000792313 | 4000K | | | | 128 - 277 | | | 100 | | | | |

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## DLM FLEX L2

### FORTIMO LED DLM FLEX L2 24 G1 NA

| Part Number | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|
| 929000749613 | Warm-White | 2700K | 3 SDCM | 80 | Current: 274mA Tc Temperature: 85°C | 33.5 | 1290 | 138 | Current: 800mA* Tc Temperature: 85°C* |
| 929000749713 | | 3000K | | | | | 1330 | 145 | |
| 929000749813 | | 3500K | | | | | 1330 | 145 | |
| 929000749913 | Neutral-White | 4000K | | | | | 1430 | 155 | |

*Maximum value for lifetime and warranty. Part cannot operate at max current and max Tc simultaneously.

### FORTIMO LED DLM FLEX L2 30 G1 NA

| Part Number | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|
| 929000750013 | Warm-White | 2700K | 3 SDCM | 80 | Current: 363mA Tc Temperature: 85°C | 33.7 | 1670 | 136 | Current: 1000mA* Tc Temperature: 85°C* |
| 929000750113 | | 3000K | | | | | 1750 | 143 | |
| 929000750213 | | 3500K | | | | | 1750 | 143 | |
| 929000750313 | Neutral-White | 4000K | | | | | 1880 | 154 | |

*Maximum value for lifetime and warranty. Part cannot operate at max current and max Tc simultaneously.

### FORTIMO LED DLM FLEX L2 36 G1 NA

| Part Number | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|
| 929000750413 | Warm-White | 2700K | 3 SDCM | 80 | Current: 511mA Tc Temperature: 85°C | 34.1 | 2300 | 132 | Current: 1200mA* Tc Temperature: 85°C* |
| 929000750513 | | 3000K | | | | | 2420 | 139 | |
| 929000750613 | | 3500K | | | | | 2420 | 139 | |
| 929000750713 | Neutral-White | 4000K | | | | | 2600 | 149 | |

*Maximum value for lifetime and warranty. Part cannot operate at max current and max Tc simultaneously.

### FORTIMO LED DLM FLEX L2 54 G1 NA

| Part Number | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|
| 929000750813 | Warm-White | 2700K | 3 SDCM | 80 | Current: 815mA Tc Temperature: 85°C | 34.3 | 3640 | 130 | Current: 1800mA* Tc Temperature: 85°C* |
| 929000750913 | | 3000K | | | | | 3820 | 137 | |
| 929000751013 | | 3500K | | | | | 3820 | 137 | |
| 929000751113 | Neutral-White | 4000K | | | | | 4110 | 147 | |

*Maximum value for lifetime and warranty. Part cannot operate at max current and max Tc simultaneously.





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### FORTIMO LED DLM FLEX L2 80 G1 NA

| Part Number | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|
| 929000751213 | Warm-White | 2700K | 3 SDCM | 80 | Current: 931mA Tc Temperature: 85°C | 45.8 | 5530 | 130 | Current: 2000mA* Tc Temperature: 85°C* |
| 929000751313 | | 3000K | | | | | 5800 | 136 | |
| 929000751413 | | 3500K | | | | | 5800 | 136 | |
| 929000751513 | Neutral-White | 4000K | | | | | 6240 | 146 | |

*Maximum value for lifetime and warranty. Part cannot operate at max current and max Tc simultaneously.

### FORTIMO LED DLM FLEX L2 ACCESSORIES

| Part Number | Description |
|---|---|
| 929000765413 | Thermal Accessory G1 |
| 929000765313 | Flex L2 Cover NA |

### POWER SOLUTIONS

| Part Number | Driver Wattage (W) | Features | Current (mA) | Voltage Range (V) | Recommended Driver Selection | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 24up | 30up | 36up | 54up | 80up |
| XR009C022V042RNO2 | 9 | Leading Edge, Trailing Edge | 0.22 | 21-42 | X | X | | | |
| XR013C033V042RNO2 | 13 | Leading Edge, Trailing Edge | 0.33 | 21-42 | X | X | X | | |
| XI020C050V042RNP1 | 20 | Leading Edge, Trailing Edge, AOC | 0.35-0.5 | 20-42 | X | X | X | | |
| XI013C030V048DNM1 | 13 | 0-10V, AOC, MTP | 0.1-0.3 | 24-48 | X | X | | | |
| XI025C070V054DSM1<br>XI025C070V054DSM5 | 25 | SimpleSet®<br>0-10V, AOC, MTP, UL SREC | 0.1- 0.7 | 27-54 | X | X | X | X | |
| XI036C100V054DSM1<br>XI036C100V054DSM5 | 36 | SimpleSet®<br>0-10V, AOC, MTP, UL SREC | 0.1-1.0 | 27-54 | | X | X | X | X |
| XI050C140V054DSM1<br>XI050C140V054DSM5 | 50 | SimpleSet®<br>0-10V, AOC, MTP, UL SREC | 0.1-1.4 | 27-54 | | | | X | X |
| XI075C150V050CNY1 | 75 | 0-10V | 1.5 | 25-50 | | | | X | X |
| XI095C275V054DNF5 | 95 | 0-10V, AOC, MTP | 1.0-2.75 | 27-54 | | | | X | X |

AOC = Adjustable output current, MTP = Module temperature protection, SREC = UL Safety Related Electronic Circuit program.
Refer to the driver datasheet for detailed specifications.
**Connecting XI095C275V054DNF5 with DLM Flex Rset and GND terminals does not generate nominal current.
Use an external Rset resistor to set XI095C275V054DNF5 at the desired current level, details in the AOC section of driver datasheet.

Design-In Guide With Driver Pairings: http://images.philips.com/is/content/PhilipsConsumer/PDFDownloads/United%20States/new%20product%20releases/ODLI20160810_001-UPD-en_US-PLt-1502DG_Fortimo-DLM-Flex-DG.pdf

## DLM GEN 5

### FORTIMO LED DLM 1100LM GEN5

| Part Number | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|
| 929001518806 | Warm-White | 2700K | 2 SDCM | 90 | Current: 594.1 mA Tc Temperature: 85°C | 18.9 | 1100 | 98.0 |
| 929001518906 | | 3000K | | | Current: 555.9 mA Tc Temperature: 85°C | 18.8 | | 105.3 |
| 929001519006 | | 3500K | | | Current: 542.2 mA Tc Temperature: 85°C | | | 107.9 |
| 929001519106 | Neutral-White | 4000K | | | Current: 528.6 mA Tc Temperature: 85°C | | | 110.7 |

### FORTIMO LED DLM 1500LM GEN5

| Part Number | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|
| 929001519206 | Warm-White | 2700K | 2 SDCM | 90 | Current: 823.4 mA Tc Temperature: 85°C | 19.1 | 1500 | 95.4 |
| 929001519306 | | 3000K | | | Current: 787.9 mA Tc Temperature: 85°C | | | 99.7 |
| 929001519406 | | 3500K | | | Current: 757.9 mA Tc Temperature: 85°C | 19.0 | | 104.2 |
| 929001519506 | Neutral-White | 4000K | | | Current: 733.3 mA Tc Temperature: 85°C | | | 107.7 |

### FORTIMO LED DLM 2000LM GEN5

| Part Number | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|
| 929001519606 | Warm-White | 2700K | 2 SDCM | 90 | Current: 872.6 mA Tc Temperature: 85°C | 24.6 | 2000 | 93.2 |
| 929001519706 | | 3000K | | | Current: 834.3 mA Tc Temperature: 85°C | | | 97.4 |
| 929001519806 | | 3500K | | | Current: 823.4 mA Tc Temperature: 85°C | 24.5 | | 99.1 |
| 929001519906 | Neutral-White | 4000K | | | Current: 766.1 mA Tc Temperature: 85°C | | | 106.6 |

### FORTIMO LED DLM 3000LM GEN5

| Part Number | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|
| 929000895706X | Warm-White | 2700K | 2 SDCM | 90 | Current:1000.9 mA Tc Temperature: 85°C | 33.0 | 3000 | 90.8 |
| 929000878303X | | 3000K | | | Current: 957.2 mA Tc Temperature: 85°C | 32.9 | | 95.3 |
| 929000878403X | | 3500K | | | Current: 905.3 mA Tc Temperature: 85°C | | | 100.7 |
| 929000878503X | Neutral-White | 4000K | | | Current: 878.0mA T c Temperature: 85°C | 32.8 | | 104.2 |





## SLM GEN 6

### SLMG6 1203 L09 1619 G6

| Part Number | Dimensions OD x Height | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929001454506 | Ø50 mm x 6.7 mm | Warm-White | 2700K | 3 SDCM | 80 | Current: 300mA Tc Temperature: 85°C | 34.3 | 1370 | 133 | *Current: 510mA *Tc Temperature: 85°C |
| 929001454606 | | | 3000K | | | | | 1410 | 136 | |
| 929001454706 | | | 3500K | | | | | 1430 | 139 | |
| 929001454806 | | Neutral-White | 4000K | | | | | 1490 | 144 | **Current: 510mA **Tc Temperature: 95°C |
| 929001455106 | | Warm-White | 2700K | | 90 | | | 1140 | 110 | |
| 929001455206 | | | 3000K | | | | | 1170 | 114 | |

### SLMG6 1205 L13 2024 G6

| Part Number | Dimensions OD x Height | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929001458706 | Ø50 mm x 6.7 mm | Warm-White | 2700K | 3 SDCM | 80 | Current: 500mA Tc Temperature: 85°C | 33.7 | 2330 | 158 | *Current: 830mA *Tc Temperature: 85°C |
| 929001458806 | | | 3000K | | | | | 2420 | 144 | |
| 929001458906 | | | 3500K | | | | | 2470 | 146 | |
| 929001459006 | | Neutral-White | 4000K | | | | | 2530 | 150 | **Current: 1050mA **Tc Temperature: 95°C |
| 929001459306 | | Warm-White | 2700K | | 90 | | 33.6 | 1930 | 114 | |
| 929001459406 | | | 3000K | | | | | 2010 | 119 | |

### SLMG6 1208 L15 2024 G6

| Part Number | Dimensions OD x Height | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929001445806 | Ø50 mm x 6.7 mm | Neutral-White | 4000K | 3 SDCM | 70 | Current: 750mA Tc Temperature: 85°C | 34.0 | 4090 | 160 | *Current: 1500mA *Tc Temperature: 85°C **Current: 1500mA **Tc Temperature: 95°C |
| 929001445906 | | Warm-White | 2700K | | 80 | | | 3490 | 137 | |
| 929001446006 | | | 3000K | | | | | 3640 | 143 | |
| 929001446106 | | | 3500K | | | | | 3710 | 143 | |
| 929001446206 | | Neutral-White | 4000K | | | | | 3790 | 148 | |
| 929001446306 | | Cool-White | 5000K | | | | | 3790 | 148 | |
| 929001446406 | | | 5700K | | | | | 3710 | 148 | |
| 929001446506 | | Warm-White | 2700K | | 90 | | | 2890 | 113 | |
| 929001446606 | | | 3000K | | | | | 3000 | 118 | |

*Maximum value for warranty
**Maximum value for safety (warranty void)

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## SLMG6 1211 L19 2828 G6

| Part Number | Dimensions OD x Height | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929001447206 | Ø50 mm x 6.7 mm | Neutral-White | 4000K | 3 SDCM | 70 | Current: 500mA Tc Temperature: 85°C | 34.7 | 6570 | 158 | *Current: 2000mA *Tc Temperature: 85°C **Current: 2000mA **Tc Temperature: 95°C |
| 929001447306 | | Warm-White | 2700K | | 80 | | | 5610 | 135 | |
| 929001447406 | | | 3000K | | | | | 5770 | 139 | |
| 929001447506 | | | 3500K | | | | | 5890 | 142 | |
| 929001447606 | | Neutral-White | 4000K | | | | | 6090 | 146 | |
| 929001447706 | | Cool-White | 5000K | | | | | 6090 | 146 | |
| 929001447806 | | | 5700K | | | | | 5890 | 142 | |
| 929001447906 | | Warm-White | 2700K | | 90 | | | 4640 | 112 | |
| 929001448006 | | | 3000K | | | | | 4860 | 117 | |

## SLMG6 CW 1203 L09 1619 G6

| Part Number | Dimensions OD x Height | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929001455706 | Ø50 mm x 6.7 mm | Warm-White | 3000K | 3 SDCM | 90 | Current: 300mA Tc Temperature: 85°C | 35.4 | 980 | 92 | *Current: 360mA Tc Temperature: 85°C **Current: 510mA Tc Temperature: 95°C |

## SLMG6 CW 1205 L13 2024 G6

| Part Number | Dimensions OD x Height | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929001459906 | Ø50 mm x 6.7 mm | Warm-White | 3000K | 3 SDCM | 90 | Current: 500mA Tc Temperature: 85°C | 34.7 | 1710 | 99 | *Current: 660mA Tc Temperature: 85°C **Current: 1050mA Tc Temperature: 95°C |

## SLMG6 CW 1208 L15 2024 G6

| Part Number | Dimensions OD x Height | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929001447106 | Ø50 mm x 6.7 mm | Warm-White | 3000K | 3 SDCM | 90 | Current: 750mA Tc Temperature: 85°C | 34.5 | 2540 | 98 | *Current: 1150mA Tc Temperature: 85°C **Current: 1500mA Tc Temperature: 95°C |





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## SLMG6 CW 1211 L19 2828 G6

| Part Number | Dimensions OD x Height | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929001448506 | Ø50 mm x 6.7 mm | Warm-White | 3000K | 3 SDCM | 90 | Current: 1200mA Tc Temperature: 85°C | 35.3 | 4110 | 97 | *Current: 1500mA Tc Temperature: 85°C **Current: 1500mA Tc Temperature: 95°C |

## SLMG6 F 1208 L15 2024 G6

| Part Number | Dimensions OD x Height | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929001452680 | Ø50 mm x 6.7 mm | (CIEx, CIEy) 0.457, 0.385 | | 3 SDCM | 92 | Current: 750mA Tc Temperature: 85°C | 34.0 | 2170 | 85 | *Current: 1250mA Tc Temperature: 85°C **Current: 1250mA Tc Temperature: 95°C |
| 929001452980 | | | | | 87 | | 34.1 | 2250 | 88 | |

## SLMG6 F 1211 L19 2828 G6

| Part Number | Dimensions OD x Height | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929001452280 | Ø50 mm x 6.7 mm | (CIEx, CIEy) 0.457, 0.385 | | 3 SDCM | 93 | Current: 1200mA Tc Temperature: 85°C | 34.7 | 3460 | 84 | *Current: 1500mA Tc Temperature: 85°C **Current: 1500mA Tc Temperature: 95°C |
| 929001452580 | | (CIEx, CIEy) 0.397, 0.330 | | | 88 | | | 3620 | 85 | |

## SLMG6 PW 1203 L9 1619 G6

| Part Number | Dimensions OD x Height | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929001455306 | Ø50 mm x 6.7 mm | Warm-White | 3000K | 3 SDCM | 80 | Current: 300mA Tc Temperature: 85°C | 34.7 | 1390 | 133 | *Current: 510mA Tc Temperature: 85°C **Current: 510mA Tc Temperature: 95°C |
| 929001455406 | | | 3000K | | 90 | | | 1170 | 113 | |
| 929001455506 | | | 3500K | | | | | 1240 | 119 | |
| 929001455606 | | Neutral-White | 4000K | | | | | 1270 | 122 | |

*Maximum value for warranty
**Maximum value for safety (warranty void)

PHILIPS

## SLMG6 PW 1205 L13 2024 G6

| Part Number | Dimensions OD x Height | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929001459506 | Ø50 mm x 6.7 mm | Warm-White | 3000K | 3 SDCM | 80 | Current: 500mA Tc Temperature: 85°C | 34.2 | 2380 | 139 | *Current: 830mA Tc Temperature: 85°C **Current: 1050mA Tc Temperature: 95°C |
| 929001459606 | | | 3000K | | 90 | | | 2030 | 119 | |
| 929001459706 | | | 3500K | | | | | 2130 | 125 | |
| 929001459806 | | Neutral-White | 4000K | | | | | 2190 | 128 | |

## SLMG6 PW 1208 L15 2024 G6

| Part Number | Dimensions OD x Height | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929001446706 | Ø50 mm x 6.7 mm | Warm-White | 3000K | 3 SDCM | 80 | Current: 750mA Tc Temperature: 85°C | 34.0 | 3580 | 140 | *Current: 1500mA Tc Temperature: 85°C **Current: 1500mA Tc Temperature: 95°C |
| 929001446806 | | | 3000K | | 90 | | | 3040 | 119 | |
| 929001446906 | | | 3500K | | | | | 3200 | 125 | |
| 929001447006 | | Neutral-White | 4000K | | | | | 3290 | 129 | |

## SLMG6 PW 1211 L19 2828 G6

| Part Number | Dimensions OD x Height | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929001448106 | Ø50 mm x 6.7 mm | Warm-White | 3000K | 3 SDCM | 80 | Current: 1200mA Tc Temperature: 85°C | 34.4 | 5740 | 139 | *Current: 2000mA Tc Temperature: 85°C **Current: 2000mA Tc Temperature: 95°C |
| 929001448206 | | | 3000K | | 90 | | | 4920 | 119 | |
| 929001448306 | | | 3500K | | | | | 5130 | 124 | |
| 929001448406 | | Neutral-White | 4000K | | | | | 5270 | 128 | |

## SLMG6 1202 L06 1215 G6

| Part Number | Dimensions OD x Height | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929001453106 | Ø50 mm x 6.7 mm | Warm-White | 2700K | 3 SDCM | 80 | Current: 200mA Tc Temperature: 85°C | 34.5 | 870 | 125 | *Current: 280mA Tc Temperature: 85°C **Current: 340mA Tc Temperature: 95°C |
| 929001453206 | | | 3000K | | | | | 910 | 132 | |
| 929001453306 | | | 3500K | | | | | 930 | 134 | |
| 929001453406 | | Neutral-White | 4000K | | | | | 940 | 136 | |
| 929001453706 | | Warm-White | 2700K | | 90 | | | 720 | 104 | |
| 929001453806 | | | 3000K | | | | | 750 | 108 | |

*Maximum value for warranty
**Maximum value for safety (warranty void)





PHILIPS

## SLMG6 1216 L23 2828 G6

| Part Number | Dimensions OD x Height | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929001448606 | Ø50 mm x 6.7 mm | Neutral-White | 4000K | 3 SDCM | 70 | Current: 1600mA Tc Temperature: 85°C | 34.4 | 8580 | 155 | *Current: 2190mA Tc Temperature: 85°C **Current: 2400mA Tc Temperature: 95°C |
| 929001449306 | | Warm-White | 2700K | | 80 | | | 7370 | 134 | |
| 929001448806 | | | 3000K | | | | | 7550 | 137 | |
| 929001448906 | | | 3500K | | | | | 7700 | 140 | |
| 929001449006 | | Neutral-White | 4000K | | | | | 8000 | 145 | |
| 929001449106 | | Cool-White | 5000K | | | | | 8000 | 145 | |
| 929001449206 | | | 5700K | | | | | 7700 | 140 | |
| 929001449406 | | Warm-White | 3000K | | 90 | | | 6340 | 115 | |

## SLMG6 PW 1202 L06 1215 G6

| Part Number | Dimensions OD x Height | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929001453906 | Ø50 mm x 6.7 mm | Warm-White | 3000K | 3 SDCM | 80 | Current: 200mA Tc Temperature: 85°C | 34.4 | 880 | 128 | *Current: 280mA Tc Temperature: 85°C **Current: 340mA Tc Temperature: 95°C |
| 929001454006 | | | 3000K | | 90 | | | 750 | 108 | |
| 929001454106 | | | 3500K | | | | | 790 | 114 | |
| 929001454206 | | Neutral-White | 4000K | | | | | 800 | 117 | |

## SLMG6 PW 1216 L23 2828 G6

| Part Number | Dimensions OD x Height | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|
| 929001449506 | Ø50 mm x 6.7 mm | Warm-White | 3000K | 3 SDCM | 80 | Current: 1600mA Tc Temperature: 85°C | 34.7 | 7410 | 134 | *Current: 2190mA Tc Temperature: 85°C **Current: 2400mA Tc Temperature: 95°C |
| 929001449606 | | | 3000K | | 90 | | | 6310 | 114 | |
| 929001449706 | | | 3500K | | | | | 6630 | 119 | |
| 929001449806 | | Neutral-White | 4000K | | | | | 6810 | 123 | |

*Maximum value for warranty

The information in this guide is accurate at the time of writing. This guide is provided "as is" without expressed or implied warranty of any kind.
Neither Philips nor its agents assume any liability for inaccuracies in this guide or losses incurred by use or misuse of the information in this guide.
Check manufacturer's website for the most recent information.

LUMILEDS

## LUXEON XR-M RIGID LINEAR OR SQUARE

| Part Number | Dimensions | # of LEDs | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|---|
| L2M0-4070004MC2200 | 73 mm x 73 mm | 4 | Neutral-White | 4000K | 5 SDCM | 70 | Current: 700mA Tc Temperature: 85°C | 43.80 | 4211 | 138 | Current: 1050mA LED Junction Temperature: 135°C |
| L2M0-5070004MC2200 | | | Cool-White | 5000K | | | | | 4363 | 144 | |
| L2M0-5770004MC2200 | | | | 5700K | | | | | 4318 | 142 | |
| L2M0-4070003MC3300 | 132 mm x 33 mm | 3 | Neutral-White | 4000K | | | | 32.85 | 3158 | 138 | |
| L2M0-5070003MC3300 | | | Cool-White | 5000K | | | | | 3272 | 144 | |
| L2M0-5770003MC3300 | | | | 5700K | | | | | 3239 | 142 | |
| L2M0-4070004MC3300 | 165 mm x 33 mm | 4 | Neutral-White | 4000K | | | | 43.80 | 4211 | 138 | |
| L2M0-5070004MC3300 | | | Cool-White | 5000K | | | | | 4363 | 144 | |
| L2M0-5770004MC3300 | | | | 5700K | | | | | 4318 | 142 | |
| L2M0-4070005MC3300 | 198 mm x 33 mm | 5 | Neutral-White | 4000K | | | | 54.75 | 5264 | 138 | |
| L2M0-5070005MC3300 | | | Cool-White | 5000K | | | | | 5454 | 144 | |
| L2M0-5770005MC3300 | | | | 5700K | | | | | 5397 | 142 | |

## LUXEON XR-TX RIGID 2-ROW BOARDS

| Part Number | Dimensions | # of LEDs | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|---|
| L2T0-4070012M00000 | 146.6 mm x 45 mm | 12 | Neutral-White | 4000K | 5 SDCM | 70 | Current: 700mA Tc Temperature: 85°C | 33.25 | 3221 | 140 | Current: 1050mA LED Junction Temperature: 150°C |
| L2T0-5070012M00000 | | | Cool-White | 5000K | | | | | 3260 | 140 | |
| L2T0-5770012M00000 | | | | 5700K | | | | | 3257 | 140 | |





LUMILEDS

## LUXEON XF-3014 CV FLEX TAPE

| Part Number | Dimensions | # of LEDs | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|---|
| L219-2780C06FV0000* | 96 mm x 10 mm | 6 | Warm-White | 2700K | 3 SDCM | 80 | Current: 45mA LED Junction Temperature: 50°C | 24 | 98 | 92 | Input Voltage: 32 V Tc Temperature: 85°C |
| L219-3080C06FV0000* | | | | 3000K | | | | | 102 | 96 | |
| L219-4080C06FV0000* | | | Neutral-White | 4000K | | | | | 112 | 105 | |
| L219-2780006FV0C00 | | | Warm-White | 2700K | | | | | 98 | 92 | Input Voltage: 27 V Tc Temperature: 85°C |
| L219-3080006FV0C00 | | | | 3000K | | | | | 102 | 96 | |
| L219-4080006FV0C00 | | | Neutral-White | 4000K | | | | | 112 | 105 | |
| L219-2780030FV0C00 | 480 mm x 10 mm | 30 | Warm-White | 2700K | | | Current: 225mA LED Junction Temperature: 50°C | | 490 | 92 | |
| L219-3080030FV0C00 | | | | 3000K | | | | | 510 | 96 | |
| L219-4080030FV0C00 | | | Neutral-White | 4000K | | | | | 560 | 105 | |

*Cuttable options feature pre-tinned solder terminals

## LUXEON XR-3020 RIGID LINEAR

| Part Number | Dimensions | # of LEDs | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|---|
| L218-3080024C30000 | 280 mm x 20 mm | 24 | Warm-White | 3000K | 3 SDCM | 80 | Current: 200mA Tc Temperature: 45°C | 34.80 | 1050 | 151 | Current: 480mA LED Junction Temperature: 125°C |
| L218-3580024C30000 | | | | 3500K | | | | | 1070 | 153 | |
| L218-4080024C30000 | | | Neutral-White | 4000K | | | | | 1088 | 156 | |
| L218-5080024C30000 | | | Cool-White | 5000K | | | | | 1088 | 156 | |
| L218-4080024C30000 | | | Neutral-White | 4000K | | 90 | | | 968 | 139 | |
| L218-3080048C00000 | 560 mm x 20 mm | 48 | Warm-White | 3000K | | 80 | Current: 400mA Tc Temperature: 45°C | 34.80 | 2100 | 151 | Current: 960mA LED Junction Temperature: 125°C |
| L218-3580048C00000 | | | | 3500K | | | | | 2140 | 153 | |
| L218-4080048C00000 | | | Neutral-White | 4000K | | | | | 2176 | 156 | |
| L218-5080048C00000 | | | Cool-White | 5000K | | | | | 2176 | 156 | |
| L218-4090048C00000 | | | Neutral-White | 4000K | | 90 | | | 1936 | 139 | |

# LED Light Engines

## Lumileds Matrix Platform Light Engines (continued)

LUMILEDS

### LUXEON XF-3535L FLEX TAPE

| Part Number | Dimensions | # of LEDs | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|---|
| L235-2280AHLGBAAC0 | 600 mm x 10 mm | 36 | Warm-White | 2200K | 3 SDCM | 80 | Current: 600mA LED Junction Temperature: 25°C | 18 | 1206 | 112 | Current: 1200mA LED Junction Temperature: 125°C |
| L235-2780AHLGBAAC0 | | | | 2700K | | 80 | | | 1476 | 137 | |
| L235-2790AHLGBAAC0 | | | | | | 85 | | | 1224 | 113 | |
| L235-3080AHLGBAAC0 | | | | 3000K | | 80 | | | 1512 | 140 | |
| L235-3580AHLGBAAC0 | | | | 3500K | | 80 | | | 1548 | 143 | |
| L235-4080AHLGBAAC0 | | | Neutral-White | 4000K | | 80 | | | 1584 | 147 | |
| L235-4090AHLGBAAC0 | | | | | | 85 | | | 1368 | 127 | |
| L235-5080AHLGBAAC0 | | | Cool-White | 5000K | | 80 | | | 1692 | 157 | |
| L235-5780AHLGBAAC0 | | | | 5700K | | 80 | | | 1548 | 143 | |
| L235-5770AHLGBAAC0 | | | | | | 70 | | | 1692 | 157 | |
| L235-2280AHLGBBAC0 | | | Warm-White | 2200K | | 80 | | | 1206 | 112 | |
| L235-2780AHLGBBAC0 | | | | 2700K | | 80 | | | 1476 | 137 | |
| L235-2790AHLGBBAC0 | | | | | | 85 | | | 1224 | 113 | |
| L235-3080AHLGBBAC0 | | | | 3000K | | 80 | | | 1512 | 140 | |
| L235-3580AHLGBBAC0 | | | | 3500K | | 80 | | | 1548 | 143 | |
| L235-4080AHLGBBAC0 | | | Neutral-White | 4000K | | 80 | | | 1584 | 147 | |
| L235-4090AHLGBBAC0 | | | | | | 85 | | | 1368 | 127 | |
| L235-5080AHLGBBAC0 | | | Cool-White | 5000K | | 80 | | | 1692 | 157 | |
| L235-5780AHLGBBAC0 | | | | 5700K | | 80 | | | 1548 | 143 | |
| L235-5770AHLGBBAC0 | | | | | | 70 | | | 1692 | 157 | |
| L235-2280AHLCBAAC0 | 300 mm x 10 mm | 36 | Warm-White | 2200K | | 80 | | | 1206 | 112 | |
| L235-2780AHLCBAAC0 | | | | 2700K | | 80 | | | 1476 | 137 | |
| L235-2790AHLCBAAC0 | | | | | | 85 | | | 1224 | 113 | |
| L235-3080AHLCBAAC0 | | | | 3000K | | 80 | | | 1512 | 140 | |
| L235-3580AHLCBAAC0 | | | | 3500K | | 80 | | | 1548 | 143 | |
| L235-4080AHLCBAAC0 | | | Neutral-White | 4000K | | 80 | | | 1584 | 147 | |
| L235-4090AHLCBAAC0 | | | | | | 85 | | | 1368 | 127 | |
| L235-5080AHLCBAAC0 | | | Cool-White | 5000K | | 80 | | | 1692 | 157 | |
| L235-5780AHLCBAAC0 | | | | 5700K | | 80 | | | 1548 | 143 | |
| L235-5770AHLCBAAC0 | | | | | | 70 | | | 1692 | 157 | |
| L235-2280AHLCBBAC0 | | | Warm-White | 2200K | | 80 | | | 1206 | 112 | |
| L235-2780AHLCBBAC0 | | | | 2700K | | 80 | | | 1476 | 137 | |
| L235-2790AHLCBBAC0 | | | | | | 85 | | | 1224 | 113 | |
| L235-3080AHLCBBAC0 | | | | 3000K | | 80 | | | 1512 | 140 | |
| L235-3580AHLCBBAC0 | | | | 3500K | | 80 | | | 1548 | 143 | |





INFINITELY CONFIGURABLE LED BOARDS, LINEAR FLEX, AND MODULES USING LUXEON LEDS. CONTACT FLS FOR YOUR CUSTOM INTEGRATION NEEDS.

LUMILEDS

| Part Number | Dimensions | # of LEDs | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|---|
| L235-4080AHLCBBAC0 | 300 mm x 10 mm | 36 | Neutral-White | 4000K | 3 SDCM | 80 | Current: 600mA LED Junction Temperature: 25°C | 18 | 1584 | 147 | Current: 1200mA LED Junction Temperature: 125°C |
| L235-4090AHLCBBAC0 | | | | | | 85 | | | 1368 | 127 | |
| L235-5080AHLCBBAC0 | | | Cool-White | 5000K | | 80 | | | 1692 | 157 | |
| L235-5780AHLCBBAC0 | | | | 5700K | | 80 | | | 1548 | 143 | |
| L235-5770AHLCBBAC0 | | | | | | 70 | | | 1692 | 157 | |
| L235-2280AMLF5WAD0 | 525 mm x 5.25 mm | 56 | Warm-White | 2200K | 3 SDCM | 80 | Current: 800mA LED Junction Temperature: 25°C | 21 | 1876 | 112 | Current: 1600mA LED Junction Temperature: 125°C |
| L235-2780AMLF5WAD0 | | | | 2700K | | 80 | | | 2296 | 137 | |
| L235-2790AMLF5WAD0 | | | | | | 85 | | | 1904 | 113 | |
| L235-3080AMLF5WAD0 | | | | 3000K | | 80 | | | 2352 | 140 | |
| L235-3580AMLF5WAD0 | | | | 3500K | | 80 | | | 2408 | 143 | |
| L235-4080AMLF5WAD0 | | | Neutral-White | 4000K | | 80 | | | 2464 | 147 | |
| L235-4090AMLF5WAD0 | | | | | | 85 | | | 2128 | 127 | |
| L235-5080AMLF5WAD0 | | | Cool-White | 5000K | | 80 | | | 2632 | 157 | |
| L235-5780AMLF5WAD0 | | | | 5700K | | 80 | | | 2408 | 143 | |
| L235-5770AMLF5WAD0 | | | | | | 70 | | | 2632 | 157 | |
| L235-2280AULM5JAI0 | 1150 mm x 5.25 mm | 108 | Warm-White | 2200K | 3 SDCM | 80 | Current: 900mA LED Junction Temperature: 25°C | 36 | 3618 | 112 | Current: 1800mA LED Junction Temperature: 125°C |
| L235-2780AULM5JAI0 | | | | 2700K | | 80 | | | 4428 | 137 | |
| L235-2790AULM5JAI0 | | | | | | 85 | | | 3672 | 113 | |
| L235-3080AULM5JAI0 | | | | 3000K | | 80 | | | 4536 | 140 | |
| L235-3580AULM5JAI0 | | | | 3500K | | 80 | | | 4644 | 143 | |
| L235-4080AULM5JAI0 | | | Neutral-White | 4000K | | 80 | | | 4752 | 147 | |
| L235-4090AULM5JAI0 | | | | | | 85 | | | 4104 | 127 | |
| L235-5080AULM5JAI0 | | | Cool-White | 5000K | | 80 | | | 5076 | 157 | |
| L235-5780AULM5JAI0 | | | | 5700K | | 80 | | | 4644 | 143 | |
| L235-5770AULM5JAI0 | | | | | | 70 | | | 5076 | 157 | |

*Cuttable options

### LUXEON XR-3535L RIGID 3-ROW BOARD

| Part Number | Dimensions | # of LEDs | Color | CCT | Color Consistency | Minimum CRI | Test Conditions | Typical Vf (V) | Typical Flux (lm) | Typical Efficacy (lm/W) | Maximum Ratings |
|---|---|---|---|---|---|---|---|---|---|---|---|
| L202-3080033C30001 | 280 mm x 55 mm | 33 | Warm-White | 3000K | 3 SDCM | 80 | Current: 300mA LED Junction Temperature: 25°C | 33 | 1403 | 142 | Current: 600mA LED Junction Temperature: 125°C |
| L202-3580033C30001 | | | | 3500K | | | | | 1469 | 148 | |
| L202-4080033C30001 | | | Neutral-White | 4000K | | | | | 1502 | 152 | |
| L202-5080033C30001 | | | Cool-White | 5000K | | | | | 1502 | 152 | |

# LED Power Supplies and Surge Protection

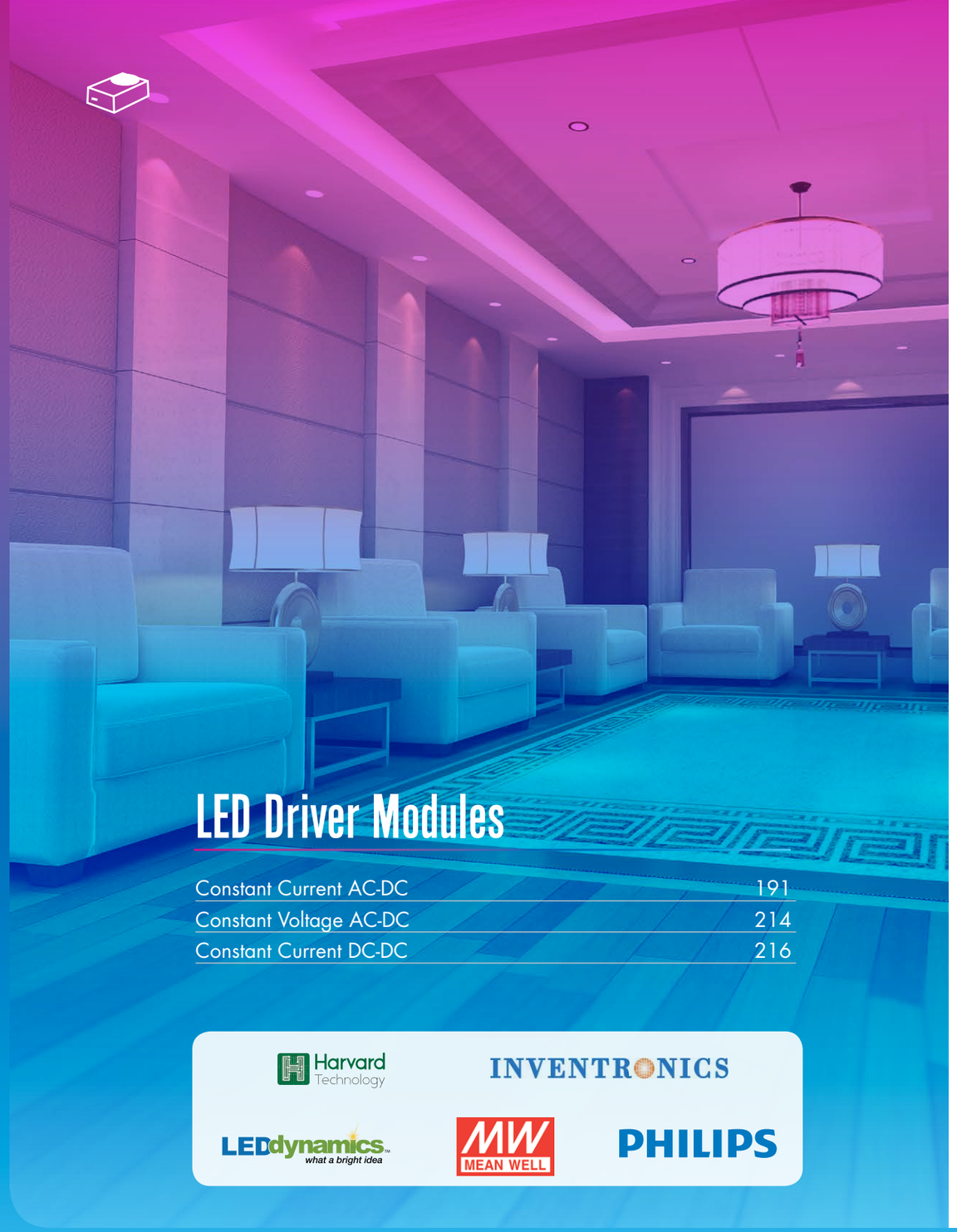

## LED Driver Modules 190-217

Constant Current AC-DC 191-213
Constant Voltage AC-DC 214-216
Constant Current DC-DC 216

## LED Power ICs 218-221

Low and Medium Voltage ICs 219-220
Offline AC-DC ICs 221

## Surge Protection Modules 222-223



# LED Driver Modules


Constant Current AC-DC 191
Constant Voltage AC-DC 214
Constant Current DC-DC 216


# LED Driver Modules
## Constant Current AC-DC

### AC-DC (120/277/347/480VAC)-WITH UL MARK

| Supplier | Part Number | Power (W) | $V_{in}$ (Vac) | $V_{out}$ (Vdc) | $I_{out}$ (mA) | Dimming | Remarks |
|---|---|---|---|---|---|---|---|
| Harvard Technology | CL350-UNI-A/B/C | 17 | 108-305 | 9-48 | 350 | Non DIM | |
| | CL500-UNI-A/B/C | 24 | | 9-48 | 500 | Non DIM | |
| | CLK28-1000S-UNI-B/C | 24/28 | | 9-48/28 | 500/1000 | Non DIM | Current Settable via Dip Switch |
| | CLK28-700S-UNI-B/C | 17/28 | | 9-48/40 | 350/700 | Non DIM | |
| | CL700-UNI-A/B/C | 33 | | 9-48 | 700 | Non DIM | |
| | CL1000-UNI-A/B/C | 33 | | 9-33 | 1000 | Non DIM | |
| | CL700S-UNI-B/C | 17/33 | | 9-48 | 350/700 | Non DIM | Current Settable via Dip Switch |
| | CL1000S-UNI-B/C | 24/33 | | 9-48 | 500/1000 | Non DIM | |
| | CL33-1050S2A-UNI-A/B(-P) | 22/33 | | 16-31.5 | 700/1050 | 0-10V | |
| | CL33-700SA-UNI-A/B(-P) | 17/33 | | 16-48 | 350/700 | 0-10V | |
| | CL33-700S2A-UNI-A/B(-P) | 24/33 | | 16-48 | 500/700 | 0-10V | |
| | CL33-1050SA-UNI-A/B(-P) | 16/33 | | 16-31.5 | 500/1050 | 0-10V | |
| Harvard Technology (Multi-Channel) | CLQ2700S-UNI-B/C | 2x17/33 | | 12-48 | 2*350/700 | Non DIM | Settable via Dip Switch, 2 Channels |
| | CLQ21000S-UNI-B/C | 2x24/33 | | 12-48/33 | 2*500/1000 | Non DIM | |
| | CLQ21000S2-UNI-B/C | 2x33 | | 12-48 | 2*700/1000 | Non DIM | |
| | CLQ2700-UNI-B | 2x33 | | 12-48 | 2*700 | Non DIM | |
| Harvard Technology (Programmable) | CLK33-1050A-PROG-UNI-B/C-PUSH | 33W | 108-277 | 10.5-48 | 1050* | 0-10V | Programmable range 100mA-1050mA via contact jig. 5% dim |
| | CLK33-1050A-PROG-UNI-BF-PUSH | 33W | | 10.5-48 | 1050* | 0-10V | |
| | CLK33-1050A-PROG-UNI-B/C-LD-PUSH | 33W | | 16-48 | 1050* | 0-10V | Programmable range 100mA-1050mA via contact jig. 1% dim |
| | CLK33-1050A-PROG-UNI-BF-LD-PUSH | 33W | | 16-48 | 1050* | 0-10V | |
| | CLK33-1050A-PROG-UNI-B/C-DTO-PUSH | 33W | | 16-48 | 1050* | 0-10V | Programmable range 100mA-1050mA via contact jig. Dim to off |
| Inventronics | LLC-012S035RSP | 12 | 90-132 | 17-34 | 350 | TRIAC/TE*** | Leading Edge and Trailing Edge AC Dimmable |
| | LLC-012S070RSP | 12 | | 9-17 | 700 | | |
| | LLC-024S035RSP | 24 | | 34-68 | 350 | | |
| | LLC-024S070RSP | 24 | | 17-34 | 700 | | |
| | LLC-024S105RSP | 24 | | 12-23 | 1050 | | |
| | LLC-028S035RSP | 28 | | 40-80 | 350 | | |
| | LLC-028S070RSP | 28 | | 20-40 | 700 | | |
| | LLC-028S105RSP | 28 | | 13-26 | 1050 | | |
| | LLC-040S035RSP | 35 | | 60-100 | 350 | | |
| | LLC-040S070RSP | 35 | | 30-50 | 700 | | |
| | LLC-040S105RSP | 35 | | 20-33 | 1050 | | |
| | LTC-040S035DSP | 40 | 312-528 | 57-114 | 350 | 0-10V | Ultra High Voltage Input |
| | LTC-040S070DSP | 40 | | 28-56 | 700 | | |
| | LTC-040S105DSP | 40 | | 19-38 | 1050 | | |

*Can be used in CC or CV mode
**As defined by UL
***TE = Trailing Edge

INVENTRONICS MW MEAN WELL PHILIPS

PHILIPS

## AC-DC (120/277/347/480VAC)-WITH UL MARK *(continued)*

| Supplier | Part Number | Power (W) | $V_{in}$ (Vac) | $V_{out}$ (Vdc) | $I_{out}$ (mA) | Dimming | Remarks |
|---|---|---|---|---|---|---|---|
| Inventronics | ESD-096S090DT | 96 | 249-528 | 64-214 | 450-900 | 0~10V/ PWM/Timer | Programmable, Dim to Off, 12V Vaux |
| | ESD-096S180DT | 96 | | 32-107 | 900-1800 | | |
| | ESD-096S360DT | 96 | | 16-53 | 1800-3600 | | |
| | EUC-120D210DT | 120 | 90-305 | 14-28.5 | 2100 | 0-10V | 2 channel output |
| | ESD-150S105DT | 150 | 249-528 | 75-214 | 700-1050 | 0~10V/ PWM/Timer | Programmable, Dim to Off, 12V Vaux |
| | ESD-150S210DT | 150 | | 38-107 | 1400-2100 | | |
| | ESD-150S350DT | 150 | | 22-61 | 2450-3500 | | |
| | ESD-150S560DT | 150 | | 14-39 | 3850-5600 | | |
| | ESD-240S100DT | 240 | | 120-343 | 700-1000 | | |
| | ESD-240S150DT | 240 | | 80-229 | 1050-1500 | | |
| | ESD-240S220DT | 240 | | 55-156 | 1540-2200 | | |
| | ESD-240S320DT | 240 | | 38-107 | 2240-3200 | | |
| | ESD-240S460DT | 240 | | 27-75 | 3220-4600 | | |
| | ESD-240S660DT | 240 | | 19-52 | 4620-6600 | | |
| | ESD-320S150DT | 320 | | 107-305 | 1050-1500 | | |
| | ESD-320S220DT | 320 | | 73-208 | 1540-2200 | | |
| | ESD-320S310DT | 320 | | 52-148 | 2170-3100 | | |
| | ESD-320S440DT | 320 | | 37-104 | 3080-4400 | | |
| | ESD-320S620DT | 320 | | 26-74 | 4340-6200 | | |
| Mean Well | PCD-16-350A | 16.8 | 90-135 | 24-48 | 350 | TRIAC/TE* | — |
| | PCD-16-700A | 16.8 | | 16-24 | 700 | | — |
| | PCD-16-1050A | 16.8 | | 12-16 | 1050 | | — |
| | PCD-16-1400A | 16.8 | | 8-12 | 1400 | | — |
| | PCD-25-350A | 20.3 | | 40-58 | 350 | | — |
| | PCD-25-700A | 25.2 | | 24-36 | 700 | | — |
| | PCD-25-1050A | 25.2 | | 16-24 | 1050 | | — |
| | PCD-25-1400A | 25.2 | | 12-18 | 1400 | | — |
| Philips (Downlight) | LEDUNIA0350C12F | 4 | 120-230 | 2.8-12 | 0.35 | Fixed | — |
| | LEDUNIA0700C12F | 6.5 | 120-230 | 2.4-12 | 0.7 | Fixed | — |
| | XR009C022V042RNO2 | 9 | 120 | 25-42 | 0.22 | LE+TE | — |
| | XI013C036V054DNM1 | 13 | 120-277 | 27-54 | 0.1-0.36 | 0-10V | AOC, MTP |
| | XR013C033V042RNO2 | 13 | 120 | 25-42 | 0.33 | LE+TE | AOC (Rset), MTP, SREC, 1% Dim |
| | XI013C030V042RNP1 | 13 | 120-277 | 20-42 | 0.15-0.3 | LE+TE | — |
| | LED120A0700C24F | 17 | 120 | 2.8-24 | 0.7 | Fixed | AOC-Dip Sw |
| | XI020C050V042RNP2 | 20 | 120-277 | 20-42 | 0.35-0.5 | LE+TE | — |
| | XI020C070V030RNP2 | 20 | | 15-30 | 0.4-0.7 | LE+TE | AOC-Dip Sw |
| | XI025C070V054DSM1 | 25 | | 27-54 | 0.1-0.7 | 0-10V | AOC,MTP, SREC |
| | XI025C070V054DSM5 | 25 | | 27-54 | 0.1-0.7 | 0-10V | AOC (SimpleSet/Rset), MTP, SREC, 1% Dim |
| | XI025C100V036DSM1 | 25 | | 18-36 | 0.1-1.0 | 0-10V | AOC (SimpleSet/Rset), MTP, SREC, Side entry, 1%Dim |

*TE = Trailing Edge

| Supplier | Part Number | Power (W) | $V_{in}$ (Vac) | $V_{out}$ (Vdc) | $I_{out}$ (mA) | Dimming | Remarks |
|---|---|---|---|---|---|---|---|
| Philips (Downlight) | XI025C100V036DSM5 | 25 | 120-277 | 18-36 | 0.1-1.0 | 0-10V | AOC (SimpleSet/Rset), MTP, SREC, 1% Dim |
| | XI025C100V036XPL1 | 25 | | 18-36 | 0.3-1.0 | TE, 0-10V | AOC (SimpleSet/Rset), MTP, SREC, Side entry, 1% Dim |
| | LED120A1400C24F | 34 | 120 | 2.8-24 | 1.4 | Fixed | AOC, MTP |
| | XI036C100V054DSM1 | 36 | 120-277 | 27-54 | 0.1-1.0 | 0-10V | AOC,MTP, SREC |
| | XI036C100V054DSM5 | 36 | | 27-54 | 0.1-1.0 | 0-10V | AOC (SimpleSet/Rset), MTP, SREC, 1% Dim |
| | LEDINTA0520C80DB | 40 | | 40-77 | 0.35-0.52 | 0-10V | Fortimo driver with 12V auxiliary output |
| | XI050C140V054DSM1 | 50 | | 27-54 | 0.1-1.4 | 0-10V | AOC,MTP, SREC, 12V auxiliary output |
| | XI050C140V054DSM5 | 50 | | 27-54 | 0.1-1.4 | 0-10V | AOC (SimpleSet/Rset), MTP, SREC, 1% Dim |
| | XI050C100V054XPL1 | 50 | | 27-54 | 0.3-1.0 | TE, 0-10V | AOC, MTP, Side entry |
| | XI075C200V054DSM1 | 75 | | 24-54 | 0.1-2.0 | 0-10V | TE (120V only), 0-10V (120V only), AOC, MTP, FAN, PROG |
| | XI075C200V054DSM5 | 75 | | 24-54 | 0.1-2.0 | 0-10V | AOC (SimpleSet/Rset), MTP, SREC, 1% Dim |
| Philips (Linear) | XI020C056V054BST2 | 20 | 120-277 | 22.5-54 | 0.1-0.56 | 0-10V | AOC (SimpleSet/Rset), 1% Dim |
| | XG020C056V054BST1 | 20 | 347 | 22.5-54 | 0.1-0.56 | 0-10V | |
| | XI040C110V054BST1 | 40 | 120-277 | 22.5-54 | 0.1-1.1 | 0-10V | |
| | XG040C110V054BST1 | 40 | 347 | 22.5-54 | 0.1-1.1 | 0-10V | |
| | XI040C110V054YPT2 | 40 | 120-277 | 27-54 | 0.1-1.1 | DALI | DALI, AOC, MTP, PROG |
| | XI040C110V054VPT1 | 40 | 120-277 | 27-54 | 0.1-1.1 | SR | AOC (SimpleSet/Rset), Compatible with Philips EasySense, Enlighted & Digital Lumens |
| | LEDINTA2000C24DO | 48 | 120-277 | 12-24 | 1.0-2.0 | 0-10V | AOC |
| | XI054C150V054BST1 | 54 | 120-277 | 27-54 | 0.1-1.5 | 0-10V | AOC (SimpleSet/Rset), 1% Dim |
| | XI054C150V054DNT1 | 54 | 120-277 | 27-54 | 0.1-1.5 | 0-10V | AOC |
| | XG054C150V054BST1 | 54 | 347 | 27-54 | 0.1-1.5 | 0-10V | AOC (SimpleSet/Rset), 1% Dim |
| | XR054C150V054RNT1 | 54 | 120 | 27-54 | 0.1-1.5 | LE | AOC, MTP |
| | XV054C150V054RNT1 | 54 | 277 | 27-54 | 0.1-1.5 | LE | AOC, MTP |
| | XI054C150V054SNT1 | 54 | 120-277 | 27-54 | 0.1-1.5 | Step | STEP DIM, AOC, MTP |
| | XI075C200V054BST1 | 75 | 120-277 | 27-54 | 0.1-2.0 | 0-10V | AOC (SimpleSet/Rset), 1% Dim |
| | XG075C200V054BST1 | 75 | 347 | 27-54 | 0.1-2.0 | 0-10V | AOC (SimpleSet/Rset), 1% Dim |
| | XI075C200V054XPT1 | 75 | 120-277 | 27-54 | 0.7-2.0 | 0-10V | AOC, MTP, PROG |
| | XI075C200V054YPT2 | 75 | 120-277 | 27-54 | 0.1-2.0 | DALI | DALI, AOC, MTP, PROG |

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## AC-DC (120/277/347/480VAC)-WITH UL MARK *(continued)*

| Supplier | Part Number | Power (W) | $V_{in}$ (Vac) | $V_{out}$ (Vdc) | $I_{out}$ (mA) | Dimming | Remarks |
|---|---|---|---|---|---|---|---|
| Philips (Linear) | XI075C200V054VPT1 | 75 | 120-277 | 27-54 | 0.7-2.0 | SR | AOC (SimpleSet/Rset), Compatible with Philips EasySense, Enlighted & Digital Lumens |
| | XI095C275V054BSS1 | 95 | 120-277 | 20-54 | 0.1-2.75 | 0-10V | AOC (SimpleSet) |
| | XI095C275V054DNF1 | 95 | 120-277 | 27-54 | 1.0-2.75 | 0-10V | AOC, MTP |
| | XI095C275V054BSF1 | 95 | 120-277 | 20-54 | 0.1-2.75 | 0-10V | AOC (SimpleSet) |
| | XH095C275V054BSF1 | 95 | 347-480 | 20-54 | 0.1-2.75 | 0-10V | AOC (SimpleSet) |
| | XI190C275V054BSG1 | 190 | 120-277 | 27-54 | 0.1-2.75 | 0-10V | AOC (SimpleSet), Dual Channel |
| | CI023C048V046CNN1 | 23 | 120-277 | 30-46 | 0.48 | 0-10V | CERTADRIVE****, 0-10V |
| | CI024C045V052CNN1 | 24 | 120-277 | 35-52 | 0.45 | 0-10V | |
| | CI026C055V046CNN1 | 26 | 120-277 | 30-46 | 0.55 | 0-10V | |
| | CI030C065V046CNN1 | 30 | 120-277 | 30-46 | 0.65 | 0-10V | |
| | CI031C068V045CNN1 | 31 | 120-277 | 30-45 | 0.68 | 0-10V | |
| | CI034C072V046CNN1 | 34 | 120-277 | 30-46 | 0.72 | 0-10V | |
| | CI037C082V045CNN1 | 37 | 120-277 | 30-45 | 0.82 | 0-10V | |
| | CI039C075V052CNN1 | 39 | 120-277 | 35-52 | 0.75 | 0-10V | |
| | CI041C087V046CNN1 | 41 | 120-277 | 30-46 | 0.87 | 0-10V | |
| | CI042C092V045CNN1 | 42 | 120-277 | 30-46 | 0.92 | 0-10V | |
| | CI045C096V046CNN1 | 45 | 120-277 | 30-46 | 0.96 | 0-10V | |
| | CI046C102V045CNN1 | 46 | 120-277 | 30-45 | 1.02 | 0-10V | |
| | CI018C039V046FNN1 | 18 | 120-277 | 40-46 | 0.39 | Fixed | CERTADRIVE**** |
| | CI021C045V046FNN1 | 21 | 120-277 | 30-46 | 0.45 | Fixed | |
| | CI035C075V046FNN1 | 35 | 120-277 | 30-46 | 0.75 | Fixed | |
| | CI036C078V046FNN1 | 36 | 120-277 | 40-46 | 0.78 | Fixed | |

*Can be used in CC or CV mode
**As defined by UL
****Certadrive is a made to order product with a 12 week lead time.





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| Supplier | Part Number | Power (W) | $V_{in}$ (Vac) | $V_{out}$ (Vdc) | $I_{out}$ (mA) | Dimming | Remarks |
|---|---|---|---|---|---|---|---|
| Philips Lighting Outdoor and Industrial (Class2**) | LED120A0350C28FO | 10 | 120 | 2.8-28 | 0.35 | Fixed | — |
| | LED120A0012V10F | 12 | 120 | 12 | 1 | Fixed | — |
| | LED120A0700C24FO | 17 | 120 | 2.8-24 | 0.7 | Fixed | — |
| | LED120A0700C28DO | 20 | 120 | 10-28 | 0.7 | 0-10V | — |
| | LED120A0700C28FO | 20 | 120 | 2.8-28 | 0.7 | Fixed | — |
| | LED277A0700C28FO | 20 | 277 | 2.8-28 | 0.7 | Fixed | — |
| | LED277A0700C30DO | 21 | 277 | 15-30 | 0.7 | 0-10V | — |
| | LED120A0024V14FO* | 34 | 120 | 2.8-24 | 1.4 | Fixed | — |
| | XI040C070V056CNJ1 | 40 | 120-277 | 12-54 | 0.7 | 0-10V | — |
| | XI040C105V042CNJ1 | 40 | 120-277 | 14-42 | 1.05 | 0-10V | — |
| | XI040C120V035CNJ1 | 40 | 120-277 | 12-36 | 1.2 | 0-10V | — |
| | 929000708703 | 40 | 120-277 | 29-57 | 0.10-0.70 | DALI | 0-10V, DALI, AOC, MTP, PROG+ |
| | LED120A0024V18FO* | 40 | 120 | 2.8-24 | 1.75 | Fixed | — |
| | LEDINTA0024V20DLO | 48 | 120-277 | 24 | 2 | 0-10V | — |
| | LEDINTA0024V20FLO | 48 | 120-277 | 24 | 0.10-2.0 | Fixed | — |
| | XI050C105V050CNY1 | 50 | 120-277 | 25-50 | 1.05 | 0-10V | — |
| | XI050C120V042BNY1 | 50 | 120-277 | 25-42 | 0.50-1.20 | 0-10V | AOC (Dip Switch) |
| | XI050C150V038CNH1 | 50 | 120-277 | 20-36 | 1.5 | 0-10V | — |
| | LEDINTA0024V22FO | 53 | 120-277 | 24 | 2.2 | Fixed | — |
| | XI055C105V052BNY1 | 55 | 120-277 | 25-52 | 0.35-1.05 | 0-10V | AOC (Dip Switch) |
| | LED120A0012V50F | 60 | 120 | 12 | 0.8-5.0 | Fixed | — |
| | LEDINTA0012V50FO | 60 | 120-277 | 12 | 0.10-5.0 | Fixed | — |
| | XI063C150V042CNS1 | 63 | 120-277 | 21-42 | 1.5 | 0-10V | — |
| | LEDINTA0024V28FO | 67 | 120-277 | 24 | 0.10-2.8 | Fixed | — |
| | LEDINTA0024V30DLO | 72 | 120-277 | 24 | 3 | 0-10V | — |
| | LEDINTA0024V30FLO | 72 | 120-277 | 24 | 0.10-3.0 | Fixed | — |
| | XI075C150V050CNY1 | 75 | 120-277 | 25-50 | 1.5 | 0-10V | — |
| | XI076C180V042CNS1 | 76 | 120-277 | 21-42 | 1.8 | 0-10V | — |
| | LEDINTA0024V32FO | 77 | 120-277 | 24 | 3.2 | Fixed | — |
| | XI080C070V054CNH1 | 80 | 120-277 | 27-54 | 0.7 | 0-10V | 2 Channels |
| | LED120A0024V33F | 80 | 120 | 24 | 0.8-3.3 | Fixed | — |
| | XI095C275V054BSF1 | 95 | 120-277 | 20-54 | 0.1-2.75 | 0-10V | AOC (SimpleSet) |
| | XH095C275V054BSF1 | 95 | 347-480 | 20-54 | 0.1-2.75 | 0-10V | AOC (SimpleSet) |
| | XI095C275V054DNF5 | 95 | 120-277 | 27-54 | 1.0-2.75 | 0-10V | AOC (SImpleSet/Rset), MTP, SREC, Side entry, 1% Dim |

*Can be used in CC or CV mode
**As defined by UL

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## AC-DC (120/277/347/480VAC)-WITH UL MARK *(continued)*

| Supplier | Part Number | Power (W) | $V_{in}$ (Vac) | $V_{out}$ (Vdc) | $I_{out}$ (mA) | Dimming | Remarks |
|---|---|---|---|---|---|---|---|
| Philips Lighting Outdoor and Industrial (non Class2**) | XI100C150V038CNH1 | 100 | 120-277 | 20-36 | 1.5 | 0-10V | 2 Channels |
| | LEDINTA0024V41DLO | 100 | 120-277 | 15-24 | 4.1 | 0-10V | — |
| | LEDINTA0024V41FO* | 100 | 120-277 | 6-24 | 4.16 | Fixed | — |
| | LEDHCNA0024V41DLO* | 100 | 347-480 | 15-24 | 4.1 | 0-10V | — |
| | XI075C053V140CNY1 | 75 | 120-277 | 71-143 | 0.53 | 0-10V | — |
| | XI075C053V140DNY1 | 75 | 120-277 | 71-143 | 0.10-0.53 | 0-10V | AOC, MTP |
| | XI075C070V105CNY2 | 75 | 120-277 | 43-107 | 0.7 | 0-10V | — |
| | XI075C070V105DNY1 | 75 | 120-277 | 54-107 | 0.10-0.70 | 0-10V | AOC, MTP |
| | XI075C105V070CNY2 | 75 | 120-277 | 32-72 | 1.05 | 0-10V | — |
| | XH075C105V070CNF1 | 75 | 347-480 | 24-71 | 1.05 | 0-10V | — |
| | XI075C150V050CNY1 | 75 | 120-277 | 25-50 | 1.5 | 0-10V | — |
| | 929000702202 | 75 | 120-277 | 80-152 | 0.35-0.70 | DALI | 0-10V, DALI, AOC, MTP, PROG |
| | XI100C110V143BSY1 | 100 | 120-277 | 48-143 | 0.1-1.10 | 0-10V | AOC (SimpleSet) |
| | 929000705113 | 100 | 120-277 | 71-143 | 0.10-0.70 | DALI | 0-10V, DALI, AOC, MTP, PROG+ |
| | 929000710303 | 100 | 120-277 | 94-189 | 0.10-0.53 | DALI | |
| | LEDINTA700C140F3O | 100 | 120-277 | 60-140 | 0.35/0.53/ 0.70 | Fixed | — |
| | LEDINTA0350C425DO | 150 | 120-277 | 120-425 | 0.35 | 0-10V | — |
| | LEDHCNA0350C425DN | 150 | 347-480 | 120-425 | 0.35 | 0-10V | — |
| | LEDINTA0530C280DO | 150 | 120-277 | 120-280 | 0.53 | 0-10V | — |
| | XH150C053V280CNF1 | 150 | 347-480 | 120-280 | 0.53 | 0-10V | — |
| | LEDINTA0700C210DO | 150 | 120-277 | 60-210 | 0.7 | 0-10V | — |
| | XH150C070V210CNF1 | 150 | 347-480 | 60-210 | 0.7 | 0-10V | — |
| | XI150C105V140CNF1 | 150 | 120-277 | 44-140 | 1.05 | 0-10V | — |
| | XI150C150V100CNF1 | 150 | 120-277 | 30-100 | 1.5 | 0-10V | — |
| | XH150C105V140CNF1 | 150 | 347-480 | 47-142 | 1.05 | 0-10V | — |
| | XI150C035V425MPH1 | 150 | 120-277 | 212-425 | 0.2-0.35 | DALI | 0-10V, DALI, AOC, MTP, PROG+ |
| | 929000712703 | 150 | 120-277 | 125-280 | 0.35-0.70 | DALI | 0-10V, DALI, AOC, MTP, PROG |
| | 929000708903 | 150 | 120-277 | 70-148 | 0.10-1.05 | DALI | 0-10V, DALI, AOC, MTP, PROG+ |





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| Supplier | Part Number | Power (W) | $V_{in}$ (Vac) | $V_{out}$ (Vdc) | $I_{out}$ (mA) | Dimming | Remarks |
|---|---|---|---|---|---|---|---|
| Philips Lighting Outdoor and Industrial (non Class2**) | LEDINTA0350C425FO | 150 | 120-277 | 120-425 | 0.35 | Fixed | — |
| | LEDHCNA0350C425FO | 150 | 347-480 | 120-425 | 0.35 | Fixed | — |
| | LEDINTA0700C210FO | 150 | 120-277 | 60-210 | 0.7 | Fixed | — |
| | XH150C070V210FNF1 | 150 | 347-480 | 60-210 | 0.7 | Fixed | — |
| | XH150C120V150KPF1 | 150 | 347-480 | 50-150 | 0.35-1.20 | PROG | 0-10V, AOC, MTP, PROG |
| | XI150C105V157VSF1 | 150 | 120-277 | 44-157 | 0.105-1.05 | SR | Compatible with SR Certifed Sensor and Systems, AOC, MTP, PROG, Aux |
| | XI150C070V235VSF1 | 150 | 120-277 | 78- 235 | 0.07-0.70 | SR | |
| | XI180C090V285BSF1 | 180 | 120-277 | 100-285 | 0.1-0.90 | 0-10V | AOC (SimpleSet), 6kV Surge |
| | XH180C090V285BSF1 | 180 | 347-480 | 100-285 | 0.1-0.90 | 0-10V | |
| | XI180C125V200BSF1 | 180 | 120-277 | 70-210 | 0.1-1.25 | 0-10V | |
| | XH180C125V200BSF1 | 180 | 347-480 | 70-210 | 0.1-1.25 | 0-10V | |
| | XI180C180V144BSF1 | 180 | 120-277 | 50-144 | 0.1-1.80 | 0-10V | |
| | XH180C180V144BSF1 | 180 | 347-480 | 50-144 | 0.1-1.80 | 0-10V | |
| | XI300C150V300BSR1 | 300 | 120-277 | 100-300 | 0.10-1.50 | 0-10V | AOC (SimpleSet) |
| | XH300C150V300BSR1 | 300 | 347-480 | 100-300 | 0.10-1.50 | 0-10V | AOC (SimpleSet) |
| | 929000710403 | 300 | 120-277 | 80-280 | 0.10-1.50 | DALI | 0-10V, DALI, AOC, MTP, PROG+ |

**As defined by UL

LED POWER SUPPLIES AND SURGE PROTECTION

## AC-DC (240 VAC)-WITH CE MARK

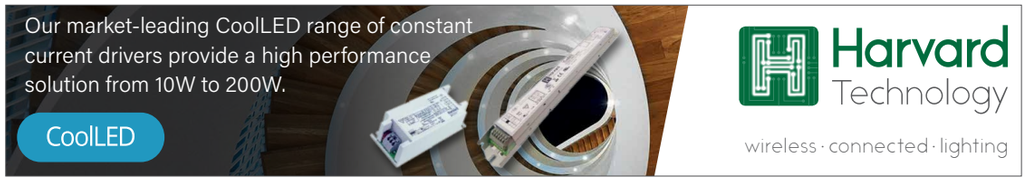
| Supplier | Part Number | Power (W) | $V_{in}$ (Vac) | $V_{out}$ (Vdc) | $I_{out}$ (mA) | Dimming | Remarks |
|---|---|---|---|---|---|---|---|
| Harvard Technology | CL350L-240-B/C | 10 | 198-264 | 6-28.5 | 350 | Non Dim | |
| | CL700L-240-B/C | 10 | | 6-14.5 | 700 | Non Dim | |
| | CLK10-350-240-B/C | 10 | | 5.5-28 | 350 | Non Dim | Low Flicker |
| | CLK10-1050-240-B/C | 10 | | 3.3-10 | 1050 | Non Dim | |
| | CLK10-700P-240-B/C | 11 | | 7-15 | 700 | IGBT/TRIAC | Phase Dim, Low Flicker |
| | CLK10-1050P-240-B/C | 13 | | 7-12 | 1050 | IGBT/TRIAC | |
| | CL700AL-240-B/C | 14 | | 6-20 | 700 | 1-10V | |
| | CLK15-350-240-B/C | 15 | | 8.5-43 | 350 | Non Dim | Low Flicker |
| | CLK15-700-240-B/C | 15 | | 4.2-21.5 | 700 | Non Dim | |
| | CL350D2-240-B/C | 17 | | 15-48 | 350 | DALI | |
| | CLK350A-240-B/C | 17 | | 11-48 | 350 | 1-10V | |
| | CLK20-1400P-240-B/C | 18 | | 7-13 | 1400 | IGBT/TRIAC | Phase Dim, Low Flicker |
| | CLK20-700-240-B/C | 20 | | 6-29 | 700 | Non Dim | Low Flicker |
| | CL350-240-56V-B/C | 20 | | 24-56 | 350 | Non Dim | |
| | CLK20-700P-240-B/C | 20 | | 14-28.5 | 700 | IGBT/TRIAC | Phase Dim, Low Flicker |
| | CLK20-1050P-240-B/C | 20 | | 10-19 | 1050 | IGBT/TRIAC | |
| | CL450D2-240-B/C | 21.6 | | 15-48 | 450 | DALI | |
| | CL1050DL-240-B/C | 22 | | 6-21 | 1050 | DALI | |
| | CL1400A-240-B/C | 26 | | 10.8-18.5 | 1400 | 1-10V | |
| | CLK28-700A-240-B/C | 28 | | 11-40 | 700 | 1-10V | |
| | CL40-500S2D-240-LD-B/C/OF | 29 | | 12-57 | 350/500 | DALI | Current settable by Dip Switch |
| | CL700-240-B/C/AB | 33 | | 9-51 | 700 | Non Dim | |
| | CLK1050S2-240-B/C | 33 | | 9-48/31 | 700/1050 | Non Dim | Settable via Dip Switch |
| | CL700A-240-B/C/AB | 33 | | 10.8-48 | 700 | 1-10V | |
| | CL1050D2-240-B/C | 33 | | 15-32 | 1050 | DALI | |
| | CL700D2-240-B/C | 33 | | 15-48 | 700 | DALI | |
| | CL40-1400-240-B/C/OF | 40 | | 13-28 | 1400 | Non Dim | |
| | CL40-700AF/F12-240-B/C/OF | 40 | | 21-57 | 700 | 1-10V | Auxiliary fan Output |
| | CL40-1050AF/F12-240-B/C/OF | 40 | | 21-38 | 1050 | 1-10V | |
| | CL40-1050S2D-240-LD-B/C/OF | 40 | | 12-57 | 700/1050 | DALI | Current settable by Dip Switch |
| | CL50-700AD-240-B/C | 40 | | 24-58 | 700 | 1-10V & DALI | Dual Dim |
| | CLX40-700D-UNI-B/C | 40 | 120-277 | 24-58 | 200-700 | DALI | |
| | CLR50-1000-240-OF | 48 | 198-264 | 24-48 | 1000 | Non Dim | |
| | CLX50-1400D-UNI-B/C | 50 | 120-277 | 16-58 | 700-1400 | DALI | |
| | CL50-1400F/f12-240-B/C | 50 | 198-264 | 18-36 | 1400 | Non Dim | Auxiliary fan Output |
| | CLR50-1050ADF/F12-240-OF | 50 | | 24-48 | 1050 | 1-10V & DALI | Dual Dim & Auxiliary fan Output |
| | CLQ21-240-B/C | 62 | | 9-29.5 | 2100 | Non Dim | |





## AC-DC (240 VAC)-WITH CE MARK *(continued)*

| Supplier | Part Number | Power (W) | $V_{in}$ (Vac) | $V_{out}$ (Vdc) | $I_{out}$ (mA) | Dimming | Remarks |
|---|---|---|---|---|---|---|---|
| Harvard Technology | CLH150-1000S2D-305-B | 150 | 198-305 | 40-215 | 350-1000 | DALI | Current settable by Dip Switch and Resistor |
| | CLH200-1000A-UNI-B | 200 | 108-305 | 40-200 | 350-1000 | 0/1-10V | |
| | CLH200-1400D-UNI-B | 200 | | 27-142 | 490-1400 | DALI | |
| Harvard Technology (Multi-Channel) | CLQ2700S-240-B/C | 2x17/33 | 198-264 | 12-48pc | 2x350/700 | Non DIM | Settable via Dip Switch, 2 Channels |
| | CLP2-350A-58V-240-B/C | 2x20 | | 18-58pc | 2x350 | 1-10V | 2 Channels |
| | CLQ21000S2-240-B/C | 2x33 | | 12-48/33pc | 2x700/1000 | Non Dim | Settable via Dip Switch, 2 Channels |
| | CLP2-700D-240-B/C | 2x33 | | 18-48pc | 2x700 | DALI | 2 Channels |
| Harvard Technology (Programmable) | CL40-1050S2D-PROG-240-LD-C/OF | 29 | 198-264 | 12-57 | 700/1050 | DALI | Programmable via Jig. Dim to 1% |
| | CLS40-350S2D-UNI-B-NI | 44 | 108-305 | 40-220 | 200/250/300/350 | DALI | 220V @200mA, 125V @350mA, Programmable via Jig. Dim to 1% |
| | CLS50-1400A-UNI-B-I | 50 | | 15-58 | 700-1400 | 1-10V | Programmable via Jig. Dim to 1% |
| | CLS40-350S2A-UNI-B-NI | 25/31/38/44 | | 40-125 | 200/250/300/350 | 1-10V | |
| | CLS80-350S2D-240-B-NI | 48/60/72/84 | 198-264 | 100-240 | 200/250/300/350 | DALI | |
| | CLS90-700S2A-240-B-NI | 52/65/78/91 | | 60-130 | 400/500/600/700 | 1-10V | |
| | CLS90-700S2D-240-B-NI | 91 | 198-264 | 60-227 | 400/500/600/700 | DALI | 227 @ 400mA, 130V @ 700mA, Programmable via Jig. Dim to 1% |



## AC-DC (240 VAC)-WITH CE MARK *(continued)*

| Supplier | Part Number | Power (W) | $V_{in}$ (Vac) | $V_{out}$ (Vdc) | $I_{out}$ (mA) | Dimming | Remarks |
|---|---|---|---|---|---|---|---|
| Inventronics | LHC-024S035RSP | 24 | 176-264 | 34-68 | 350 | TRIAC/TE* | Leading and Trailing Edge AC Dimmable |
| | LHC-024S070RSP | 24 | 176-264 | 17-34 | 700 | | |
| | LHC-024S105RSP | 24 | 176-264 | 12-23 | 1050 | | |
| | LHC-028S035RSP | 28 | 176-264 | 40-80 | 350 | | |
| | LHC-028S070RSP | 28 | 176-264 | 20-40 | 700 | | |
| | LHC-028S105RSP | 28 | 176-264 | 13-26 | 1050 | | |
| | LUC-040S053DSF | 40 | 90-305 | 25-75 | 530 | 0-10V | Extra Low Ripple |
| | LUC-040S070DSF | 40 | 90-305 | 19-55 | 700 | | |
| | LUC-040S105DSF | 40 | 90-305 | 13-38 | 1050 | | |
| | EUC-042S070DVM | 39 | 90-305 | 28-56 | 700 | 0-10V | Suitable for EU Independent Use |
| | LUC-042S070DSW | 39 | 90-305 | 28-56 | 700 | 0-10V | PSE Certified |
| | LUC-042S105DSW | 40 | 90-305 | 20-38 | 1050 | | |
| | EBS-040S070DTE | 40 | 176-305 | 28-89 | 45-700 | 0-10V/PWM/ 3 Timer Modes | Programmable, Dim to Off |
| | EBS-040S105DTE | 40 | 176-305 | 19-57 | 70-1050 | | |
| | EBS-040S070BTE | 40 | 176-305 | 28-89 | 45-700 | DALI | |
| | EBS-040S105BTE | 40 | 176-305 | 19-57 | 70-1050 | | |
| | EBC-042S105DV-0007 | 42 | 160-305 | 30-60 | 700 | 0-10V | — |
| | EBC-042S105DV-0000 | 42 | 160-305 | 25-40 | 1050 | | |
| | EUC-042S070DDM | 39 | 90-305 | 28-56 | 700 | 0-10V | Suitable for Built-in Use |
| | EUC-042S035DVM | 42 | 90-305 | 60-120 | 350 | 0-10V | Suitable for EU Independent Use |
| | EUC-042S105DVM | 42 | 90-305 | 20-40 | 1050 | | |
| | LUC-042S035DSW | 42 | 90-305 | 60-120 | 350 | 0-10V | PSE Certified |
| | LUC-042S140DSW | 42 | 90-305 | 15-30 | 1400 | | |
| | LUC-042S175DSW | 42 | 90-305 | 12-24 | 1750 | | |
| | LUC-042S210DSW | 42 | 90-305 | 10-20 | 2100 | | |
| | EBC-060S105DV-0007 | 60 | 160-305 | 43-86 | 700 | 0-10V | — |
| | EBC-060S105DV-0000 | 60 | 160-305 | 37-57 | 1050 | | |
| | LBD-075S110BSF | 75 | 176-305 | 54-107 | 35-1000 | DALI | Dim to Off, Suitable for Built-in Use 12V Vaux |
| | LBD-075S150BSF | 75 | 176-305 | 12-71 | 52.5-1500 | | |
| | LBD-075S210BSF | 75 | 176-305 | 18-51 | 73.5-2100 | | |
| | EBC-075S105SV-0007 | 75 | 176-305 | 54-107 | 700 | — | — |
| | EBC-075S105SV-0000 | 75 | 176-305 | 43-71 | 1050 | | |
| | EBC-075S250SV-0000 | 75 | 176-305 | 18-30 | 2500 | | |
| | EUC-075S070DD | 75 | 90-305 | 54-108 | 700 | 0-10V | Suitable for Independent Use |
| | EUC-075S070DVY | 75 | 90-305 | 54-108 | 700 | | Extreme Cold Temperature Operation down to -55°C |
| | EUG-075S070DV | 75 | 90-305 | 54-167 | 450-700 | 0-5V/0-10V/ PWM/Timer | Programmable, 12V Vaux, PSE Certified |
| | EUG-075S105DV | 75 | 90-305 | 36-107 | 700-1050 | | |

*TE = Trailing Edge





| Supplier | Part Number | Power (W) | $V_{in}$ (Vac) | $V_{out}$ (Vdc) | $I_{out}$ (mA) | Dimming | Remarks |
|---|---|---|---|---|---|---|---|
| Inventronics | EBS-080S070DTE | 80 | 176-305 | 57-178 | 45-700 | 0-10V/PWM/ 3 Timer Modes | Programmable, Dim to Off |
| | EBS-080S105DTE | 80 | 176-305 | 38-114 | 70-1050 | | |
| | EBS-080S070BTE | 80 | 176-305 | 57-178 | 45-700 | DALI | |
| | EBS-080S105BTE | 80 | 176-305 | 38-114 | 70-1050 | | |
| | EUD-096S090DV | 96 | 90-305 | 64-214 | 450-900 | 0-10V/PWM/ Timer | Programmable, Dim to Off, 12V Vaux |
| | EUD-096S070DVA | 96 | 90-305 | 74-213 | 450-700 | 0-10V/PWM/ 3 Timer Modes | Programmable, Dim to Off, 12V Vaux, 2nd Generation |
| | EUD-096S105DVA | 96 | 90-305 | 48-137 | 700-1050 | | |
| | EUD-096S210DVA | 96 | 90-305 | 24-69 | 1400-2100 | | |
| | EUD-096S350DVA | 96 | 90-305 | 14-39 | 2450-3500 | | |
| | EUD-096S090BV | 96 | 90-305 | 64-214 | 450-900 | DALI | Programmable, Dim to Off |
| | EUD-096S180BV | 96 | 90-305 | 32-107 | 900-1800 | | |
| | EUG-096S105DV | 96 | 90-305 | 48-137 | 700-1050 | 0-5V/0-10V/ PWM/Timer | Programmble, 12V Vaux, PSE Certified |
| | EUG-096S210DV | 96 | 90-305 | 24-69 | 1400-2100 | | |
| | EBC-100S105SV-0007 | 100 | 176-305 | 71-142 | 700 | — | — |
| | EBC-100S105SV-0000 | 100 | 176-305 | 57-95 | 1050 | | |
| | EBC-100S280SV-0006 | 100 | 176-305 | 24-48 | 2100 | | |
| | EUD-100S105DD | 100 | 90-305 | 50-142 | 700 -1050 | 0-10V/PWM/ 3 Timer Modes | Programmable, Dim to Off, 12V Vaux |
| | EUD-100S210DD | 100 | 90-305 | 25-71 | 1400-2100 | | |
| | EBC-150S105SVA0007 | 150 | 176-305 | 107-214 | 700 | — | — |
| | EBC-150S105SVA0000 | 150 | 176-305 | 97-143 | 1050 | | |
| | EBC-150S420SVA0004 | 150 | 176-305 | 24-42 | 3500 | | |
| | EUC-150S070DDA | 150 | 90-305 | 107-214 | 700 | 0-10V | Compact Package Design |
| | EUC-150S140DDA | 150 | 90-305 | 53-107 | 1400 | | |
| | EUD-150S105DDA | 150 | 90-305 | 75-214 | 700-1050 | 0-10V/PWM/ 3 Timers | Programmable, Dim to Off, 12V Vaux |
| | EUD-150S210DDA | 150 | 90-305 | 38-107 | 1400-2100 | | |
| | EUD-150S350DVA | 150 | 90-305 | 22-61 | 2450-3500 | 0-10V/PWM/ 3 Timers | Programmable, Dim to Off, PSE Certified |
| | EUD-150S560DVA | 150 | 90-305 | 14-39 | 2450-3500 | 0-10V/PWM/ 3 Timer Modes | Programmable, Dim to Off, 12V Vaux, 2nd Generation |
| | EUD-150S105BVA | 150 | 90-305 | 75-214 | 700-1050 | DALI | Programmable, Dim to Off, 12 Vaux, PSE Certified |
| | EUD-150S210BVA | 150 | 90-305 | 38-107 | 1400-2100 | | |

## AC-DC (240 VAC)-WITH CE MARK *(continued)*

| Supplier | Part Number | Power (W) | $V_{in}$ (Vac) | $V_{out}$ (Vdc) | $I_{out}$ (mA) | Dimming | Remarks |
|---|---|---|---|---|---|---|---|
| Inventronics | EUD-150S105DVL | 150 | 90-305 | 75-214 | 700-1050 | 0-10V/PWM/ 3 Timers | Ultra Long Lifetime, Programmable, Dim to Off, 12 Vaux |
| | EUG-150S070DV | 150 | 90-305 | 117-333 | 450-700 | 0-5V/0-10V/ PWM/Timer | Programmable, 12V Vaux, PSE Certified |
| | EUG-150S105DV | 150 | 90-305 | 75-214 | 700-1050 | | |
| | EUG-150S560DV | 150 | 90-305 | 14-39 | 3850-5600 | | |
| | EBS-160S070DTE | 160 | 176-305 | 115-356 | 45-700 | 0-10V/PWM/ 3 Timer Modes | Programmable, Dim to Off |
| | EBS-160S105DTE | 160 | 176-305 | 76-229 | 70-1050 | | |
| | EBS-160S070BTE | 160 | 176-305 | 115-356 | 45-700 | DALI | |
| | EBS-160S105BTE | 160 | 176-305 | 76-229 | 70-1050 | | |
| | EBC-200S105SV-0007 | 200 | 176-306 | 143-285 | 700 | – | – |
| | EBC-200S105SV-0000 | 200 | 176-308 | 128-190 | 1050 | | |
| | EBC-200S560SV-0004 | 200 | 176-310 | 25-48 | 4200 | | |
| | EUD-200S105DD | 200 | 90-305 | 120-285 | 700-1050 | 0-10V/PWM/ Timer | Programmable, Dim to Off, 12 Vaux |
| | EUD-200S150DD | 200 | 90-305 | 80-190 | 1050-1500 | | |
| | EUD-200S105BD | 200 | 90-305 | 120-285 | 700-1050 | DALI | Programmable, Dim to Off |
| | EUD-200S150BD | 200 | 90-305 | 80-190 | 1050-1500 | | |
| | EUD-200S490DV-00A0 | 200 | 90-305 | 21-41 | 4900 | 1-10V | Dim to Off, PSE Certified |
| | EUD-200S105DVA | 200 | 90~305 | 95-286 | 700-1050 | 0-10V/PWM/3 Timer Modes | Programmable, Dim to Off, 12V Vaux, 2nd Generation |
| | EUD-200S210DVA | 200 | 90~305 | 48-143 | 1400-2100 | | |
| | EUD-200S350DVA | 200 | 90~305 | 29-82 | 2450-3500 | | |
| | EUD-200S560DVA | 200 | 90~305 | 18-52 | 3850-5600 | | |
| | EUD-200S420GV | 200 | 90-305 | 24-48 | 4200 | DMX | Dim to Off, PSE Certified |
| | EUG-200S105DV | 200 | 90-305 | 95-286 | 700-1050 | 0-5V/0-10V/ PWM/Timer | Programmable, 12V Vaux, PSE Certified |
| | EUG-200S210DV | 200 | 90-305 | 48-143 | 1400-2100 | | |
| | EBC-240S660SV-0007 | 240 | 176-305 | 29-57 | 4200 | – | – |
| | EBC-240S660SV-0000 | 240 | 176-305 | 26-36 | 6600 | | |
| | EUD-240S105DVA | 240 | 90-305 | 114-343 | 700-1050 | 0-10V/PWM/3 Timer Modes | Programmable, Dim to Off, 12V Vaux, 2nd Generation |
| | EUD-240S210DVA | 240 | 90-305 | 57-171 | 1400-2100 | | |
| | EUD-240S420DVA | 240 | 90-305 | 29-86 | 2800-4200 | | |
| | EUD-240S670DVA | 240 | 90-305 | 18-54 | 4450-6700 | | |



| Supplier | Part Number | Power (W) | $V_{in}$ (Vac) | $V_{out}$ (Vdc) | $I_{out}$ (mA) | Dimming | Remarks |
|---|---|---|---|---|---|---|---|
| Inventronics | EUD-240S100DV | 240 | 90-305 | 72-343 | 700-1000 | 0-10V/PWM/ Timer | Programmable, Dim to Off, 12V Vaux |
| | EUD-240S150DV | 240 | 90-305 | 50-229 | 1050-1500 | | |
| | EUD-240S660DV | 240 | 90-305 | 11-52 | 4620-6600 | | |
| | EUD-240S100BV | 240 | 90-305 | 72-343 | 700-1000 | DALI | Programmable, Dim to Off |
| | EUD-240S150BV | 240 | 90-305 | 50-229 | 1050-1500 | | |
| | EUD-240S660BV | 240 | 90-305 | 11-52 | 4620-6600 | | |
| | EUG-240S105DV | 240 | 90-305 | 114-343 | 700-1050 | 0-5V/0-10V/ PWM/Timer | Programmable, 12V Vaux, PSE Certified |
| | EUG-240S210DV | 240 | 90-305 | 57-171 | 1400-2100 | | |
| | EUG-240S420DV | 240 | 90-305 | 29-86 | 2800-4200 | | |
| | EUG-240S670DV | 240 | 90-305 | 18-54 | 4450-6700 | | |
| | EUC-320S280DV | 310 | 90-305 | 57-111 | 2800 | 0-10V | Dim to Off, PSE Certified |
| | EUC-320S105DV | 320 | 90-305 | 152-304 | 1050 | | |
| | EUC-320S620DV | 320 | 90-305 | 26-52 | 6200 | | |
| | EUD-600S280DV | 600 | 90-305 | 108-268 | 224-2800 | 0-10V/PWM/ 3 Ways of Timers | Dim to Off |
| | EUD-600S420DV | 600 | 90-305 | 72-178 | 336-42000 | | |
| Inventronics (Multi-Channel) | LUC-042D045DDM | 42 | 90-305 | 27-47 | 450 | 0-10V | 2 Channel, PSE Certfied |
| | LUC-042D052DDM | | | 20-41 | 520 | | |
| | LUC-042D070DDM | | | 17-30 | 700 | | |

PHILIPS

## AC-DC (240 VAC)-WITH CE MARK *(continued)*

| Supplier | Part Number | Power (W) | $V_{in}$ (Vac) | $V_{out}$ (Vdc) | $I_{out}$ (mA) | Dimming | Remarks |
|---|---|---|---|---|---|---|---|
| Philips Lighting (Indoor) | 929000684703 | 17 | 230 | 27-54 | 120-400 | DALI | Linear |
| | 929000684803 | 17 | | 27-54 | 120-400 | 1-10V | Linear |
| | 929000934806 | 30 | | 82 | 350 | Fixed Output | |
| | 929000974806 | 30 | | 80 | 330 | Fixed Output | |
| | 929000993306 | 35 | | 300 | 80-350 | DALI | Linear |
| | 929000953606 | 36 | | 50-115 | 120-400 | 1-10V | Linear |
| | 929000950606 | 36 | | 50-115 | 120-400 | Fixed Output | Linear |
| | 929000832303 | 36 | | 27-54 | 300-1000 | DALI | Linear |
| | 929000854003 | 36 | | 27-54 | 300-1000 | 1-10V | Linear |
| | 929000958806 | 36 | | 27-54 | 300-1000 | Fixed Output | Linear |
| | 929001503606 | 36 | | 27-54 | 300-1000 | DALI | Linear |
| | 929000953706 | 36 | | 27-54 | 300-1000 | Fixed Output | Linear |
| | 929000934906 | 40 | | 160 | 240 | Fixed Output | |
| | 929000974906 | 40 | | 110 | 360 | Fixed Output | |
| | 929000975006 | 60 | | 170 | 360 | Fixed Output | |
| | 929000993406 | 60 | | 300 | 80-350 | DALI | Linear |
| | 929000953706 | 75 | | 100-220 | 120-400 | 1-10V | Linear |
| | 929000950706 | 75 | | 100-220 | 120-400 | Fixed Output | Linear |
| | 929001503706 | 75 | | 27-54 | 700-2000 | DALI | Linear |
| | 929000863503 | 75 | | 27-54 | 700-2000 | 1-10V | Linear |
| | 929000958806 | 75 | | 27-54 | 700-2000 | Fixed Output | Linear |
| | 929000958706 | 75 | | 27-54 | 700-2000 | Fixed Output | Linear |
| | 929001506606 | 100 | | 300 | 150-500 | Fixed Output | Linear |
| | 929001506706 | 150 | | 300 | 200-700 | Fixed Output | Linear |
| Philips Lighting (Outdoor) | 913700615882 | 12 | 207-264 | 2.4-33 | 350 | — | — |
| | 913700615982 | 17 | 207-264 | 5.6-24.6 | 700 | — | — |
| | 929000991206 | 22 | 198-264 | 10-32 | 300-1050 | LineSwitch/DALI/ Dynadimmer | Programmable |
| | 929000999006 | 35 | 220-240 | 20-60 | 300-1050 | 1-10V/ Dynadimmer LITE | Programmable |
| | 929000930706 | 40 | 220-240 | 25-77 | 200-700 | 1-10V/ Dynadimmer LITE | Programmable |
| | 929000930806 | 40 | 220-240 | 25-77 | 200-700 | LineSwitch/ Dynadimmer LITE | Programmable |
| | 929000940806 | 40 | 220-240 | 20-54 | 300-1050 | 1-10V/ Dynadimmer LITE | Programmable |
| | 929000940906 | 40 | 220-240 | 20-54 | 300-1050 | LineSwitch/ Dynadimmer LITE | Programmable |
| | 929000708803 | 40 | 120-277 | 29-57 | 100-700 | 0-10V/DALI | Programmable |
| | 929000989206 | 40 | 198-264 | 25-77 | 200-700 | LineSwitch/DALI/ Dynadimmer | Programmable |
| | 929000989306 | 40 | 198-264 | 20-54 | 300-1050 | LineSwitch/DALI/ Dynadimmer | Programmable |
| | 929000964206 | 70 | 220-240 | 50-150 | 200-700 | 1-10V/ Dynadimmer LITE | Programmable |





PHILIPS

| Supplier | Part Number | Power (W) | $V_{in}$ (Vac) | $V_{out}$ (Vdc) | $I_{out}$ (mA) | Dimming | Remarks |
|---|---|---|---|---|---|---|---|
| Philips Lighting (Outdoor) | 929000964006 | 70 | 220-240 | 50-150 | 200-700 | LineSwitch/ Dynadimmer LITE | Programmable |
| | 929000964306 | 70 | 220-240 | 32-100 | 300-1000 | 1-10V/ Dynadimmer LITE | Programmable |
| | 929000964106 | 70 | 220-240 | 32-100 | 300-1000 | LineSwitch/ Dynadimmer LITE | Programmable |
| | 929000710103 | 75 | 120-277 | 54-107 | 100-700 | 0-10V/DALI | Programmable |
| | 929000704903 | 75 | 120-277 | 80-152 | 350-700 | 0-10V/DALI | Programmable, AmpDim, EMEA & Asia |
| | 929000963206 | 75 | 220-240 | 50-150 | 200-700 | 1-10V/ Dynadimmer LITE | Programmable |
| | 929000963006 | 75 | 220-240 | 50-150 | 200-700 | LineSwitch/ Dynadimmer LITE | Programmable |
| | 929000963306 | 75 | 220-240 | 35-108 | 300-1050 | 1-10V/ Dynadimmer LITE | Programmable |
| | 929000963106 | 75 | 220-240 | 35-108 | 300-1050 | LineSwitch/ Dynadimmer LITE | Programmable |
| | 929000962406 | 75 | 220-240 | 50-150 | 200-700 | LineSwitch/ DALI/AmpDim/ DCemDIM/ Dynadimmer | Programmable |
| | 929000962506 | 75 | 220-240 | 70-214 | 300-1050 | LineSwitch/ DALI/AmpDim/ DCemDIM/ Dynadimmer | Programmable |
| | 929000964606 | 110 | 220-240 | 70-220 | 200-700 | 1-10V/ Dynadimmer LITE | Programmable |
| | 929000964406 | 110 | 220-240 | 70-220 | 200-700 | LineSwitch/ Dynadimmer LITE | Programmable |
| | 929000964706 | 110 | 220-240 | 50-160 | 300-1050 | 1-10V/ Dynadimmer LITE | Programmable |
| | 929000964506 | 110 | 220-240 | 50-160 | 300-1050 | LineSwitch/ Dynadimmer LITE | Programmable |
| | 929000962806 | 150 | 220-240 | 90-283 | 200-700 | 1-10V/ Dynadimmer LITE | Programmable |
| | 929000962606 | 150 | 220-240 | 90-283 | 200-700 | LineSwitch/ Dynadimmer LITE | Programmable |
| | 929000962906 | 150 | 220-240 | 70-214 | 300-1050 | 1-10V/ Dynadimmer LITE | Programmable |
| | 929000962706 | 150 | 220-240 | 70-214 | 300-1050 | LineSwitch/ Dynadimmer LITE | Programmable |
| | 929000962206 | 150 | 220-240 | 90-283 | 200-700 | LineSwitch/ DALI/AmpDim/ DCemDIM/ Dynadimmer | Programmable |
| | 929000962306 | 150 | 220-240 | 70-214 | 300-1050 | LineSwitch/ DALI/AmpDim/ DCemDIM/ Dynadimmer | Programmable |

LED POWER SUPPLIES AND SURGE PROTECTION

## AC-DC (120/277/347/480VAC)-WITH UL & CE MARK

| Supplier | Part Number | Power (W) | $V_{in}$ (Vac) | $V_{out}$ (Vdc) | $I_{out}$ (mA) | Dimming | Remarks |
|---|---|---|---|---|---|---|---|
| Inventronics (Indoor) | LUC-010S035DSM | 10 | 90-305 | 14-29 | 350 | 0-10V | — |
| | LUC-010S050DSM | 10 | 90-305 | 10-20 | 500 | 0-10V | — |
| | LUC-010S070DSM | 10 | 90-305 | 8-16 | 700 | 0-10V | — |
| | LUC-012S035DSM | 12 | 90-305 | 17-34 | 350 | 0-10V | — |
| | LUC-012S050DSM | 12 | 90-305 | 12-24 | 500 | 0-10V | — |
| | LUC-012S070DSM | 12 | 90-305 | 9-17 | 700 | 0-10V | — |
| | LUC-012S035DSP | 12 | 90-305 | 17-34 | 350 | 0-10V | PSE Certified |
| | LUC-012S070DSP | 12 | 90-305 | 9-17 | 700 | | |
| | LUC-018S035DSP | 18 | 90-305 | 26-51 | 350 | | |
| | LUC-018S070DSP | 18 | 90-305 | 13-26 | 700 | | |
| | LUC-018S105DSP | 18 | 90-305 | 9-17 | 1050 | | |
| | LUC-024S035DSP | 25 | 90-305 | 36-72 | 350 | | |
| | LUC-024S070DSP | 25 | 90-305 | 18-36 | 700 | | |
| | LUC-024S105DSP | 25 | 90-305 | 12-24 | 1050 | | |
| | LUC-026S035DSF | 26 | 90-305 | 25-75 | 350 | 0-10V | Extra Low Ripple |
| | LUC-026S070DSF | 26 | 90-305 | 13-37 | 700 | | |
| | LUD-040S075DSF | 40 | 90-305 | 17-114 | 350-750 | 0-10V/ PWM/3 Timer Modes | 5% Dimming, Programmable, Dim to Off, 12V Vaux |
| | LUD-040S150DSF | 40 | 90-305 | 8-54 | 750-1500 | | |
| | LUD-040S070BSF | 40 | 90-305 | 17-114 | 350-750 | DALI | |
| | LUD-040S150BSF | 40 | 90-305 | 8-54 | 750-1500 | | |
| | EUC-042S070DTM | 39 | 90-305 | 28-56 | 700 | 0-10V | Metal Case |
| | LUC-048S090DSP | 47 | 90-305 | 26-52 | 900 | | — |
| | LUC-052S070DSF | 52 | 90-305 | 25-75 | 700 | 0-10V | Extra Low Ripple |
| | LUC-052S105DSF | 52 | 90-305 | 17-50 | 1050 | | |
| | LUC-052S140SDF | 52 | 90-305 | 13-37 | 1400 | | |
| | LUD-060S055DS2 | 60 | 90-305 | 31-156 | 385-550 | 0~10V/ PWM/3 Timers | 5% Dim, Prog, Dim to Off, Slim, 12Vdc Vaux |
| | LUD-060S078BS2 | 60 | 90-305 | 22-110 | 27-780 | DALI | Linear |
| | LUD-060S078DS2 | 60 | 90-305 | 22-110 | 546-780 | 0~10V/ PWM/3 Timers | 5% Dim, Prog, Dim to Off, Slim, 12Vdc Vaux |
| | LUD-060S110BS2 | 60 | 90-305 | 16-78 | 38.5-1100 | DALI | Linear |
| | LUD-060S110DS2 | 60 | 90-305 | 16-78 | 770-1100 | 0~10V/ PWM/3 Timers | 5% Dim, Prog, Dim to Off, Slim, 12Vdc Vaux |
| | LUD-060S150BS2 | 60 | 90-305 | 12-57 | 52.5-1500 | DALI | Linear |
| | LUD-060S150DS2 | 60 | 90-305 | 12-57 | 1050-1500 | 0~10V/ PWM/3 Timers | 5% Dim, Prog, Dim to Off, Slim, 12Vdc Vaux |
| | LUD-060S210BS2 | 60 | 90-305 | 8-40 | 73.5-2100 | DALI | Linear |
| | LUD-060S210DS2 | 60 | 90-305 | 8-40 | 1470-2100 | 0~10V/ PWM/3 Timers | 5% Dim, Prog, Dim to Off, Slim, 12Vdc Vaux |





## AC-DC (120/277/347/480VAC)-WITH UL & CE MARK *(continued)*

| Supplier | Part Number | Power (W) | $V_{in}$ (Vac) | $V_{out}$ (Vdc) | $I_{out}$ (mA) | Dimming | Remarks |
|---|---|---|---|---|---|---|---|
| Inventronics | EUC-026S035DS | 26 | 90-305 | 38-75 | 350 | 0-10V | PSE Certified |
| | EUC-026S070DS | 26 | 90-305 | 19-37 | 700 | | |
| | EUC-026S105DS | 26 | 90-305 | 13-25 | 1050 | | |
| | EUC-026S070STM0000 | 26 | 108-305 | 20-37 | 700 | — | Compact Metal Case |
| | EUC-035S070STM0004 | 32 | 90-305 | 32-64 | 500 | | |
| | EUC-035S070STM | 35 | 90-305 | 25-50 | 700 | | |
| | EUC-035S105STM0004 | 35 | 90-305 | 20-41 | 860 | | |
| | EUC-035S105STM | 35 | 90-305 | 18-33 | 1050 | | |
| | EUC-036S070DT | 36 | 90-305 | 26-52 | 700 | 0-10V | — |
| | EUC-042S070DS | 39 | 90-305 | 28-56 | 700 | 0-10V | PSE Certified |
| | EUC-042S070STM | 39 | 90-305 | 28-56 | 700 | 0-10V | — |
| | EUC-042S105DS | 40 | 90-305 | 20-38 | 1050 | 0-10V | PSE Certified |
| | EUC-042S035DS | 42 | 90-305 | 60-120 | 350 | | |
| | EUC-042S140DS | 42 | 90-305 | 15-30 | 1400 | | |
| | EUC-042S105STM | 42 | 90-305 | 20-40 | 1050 | 0-10V | — |
| | EUC-052S035DT | 52 | 90-305 | 75-149 | 350 | | |
| | EUC-052S070DT | 52 | 90-305 | 38-75 | 700 | | |
| | EUC-052S105DT | 52 | 90-305 | 25-50 | 1050 | | |
| | EUD-150S130DT | 150 | 90-305 | 69-230 | 650-1300 | 0~10V/ PWM/Timer | Programmable, Dim to Off, 12V Vaux |
| | EUD-200S105DT | 200 | 90-305 | 95-190 | 105-1050 | | |
| | EUG-075S070DT | 75 | 90-305 | 54-167 | 450-700 | 0-5V/0-10V/ PWM/Timer | Programmable, 12V Vaux |
| | EUG-075S105DT | 75 | 90-305 | 36-107 | 700-1050 | | |
| | EUG-075S175DT | 75 | 90-305 | 22-63 | 1190-1750 | | |
| | EUG-075S280DT | 75 | 90-305 | 14-39 | 1920-2800 | | |
| | EUP-075S070ST | 75 | 90-305 | 54-167 | 450-700 | — | Adjustable Output Current with dip switch |
| | EUP-075S105ST | 75 | 90-305 | 36-107 | 700-1050 | | |
| | EUP-75S175ST | 75 | 90-305 | 22-63 | 1190-1750 | | |
| | EUP-075S280ST | 75 | 90-305 | 14-39 | 1900-2800 | | |
| | EUD-096S090BT | 96 | 90-305 | 64-214 | 450-900 | DALI | Programmable, Dim to Off |
| | EUD-096S090DT | 96 | 90-305 | 64-214 | 450-900 | 0-10V/PWM/ Timer | Programmable, Dim To Off, 12V Vaux |
| | EUD-096S070DTA | 96 | 90-305 | 74-213 | 450-700 | 0-10V/ PWM/3 Timer Modes | Programmable, Dim to Off, 12V Vaux,2nd Generation |
| | EUD-096S105DTA | 96 | 90-305 | 48-137 | 700-1050 | | |
| | EUD-096S210DTA | 96 | 90-305 | 24-69 | 1400-2100 | | |
| | EUD-096S350DTA | 96 | 90-305 | 14-39 | 2450-3500 | | |
| | EUG-096S105DT | 96 | 90-305 | 48-137 | 700-1050 | 0-5V/0-10V/ PWM/Timer | Programmable, 12V Vaux |
| | EUG-096S210DT | 96 | 90-305 | 24-69 | 1400-2100 | | |

## AC-DC (120/277/347/480VAC)-WITH UL & CE MARK *(continued)*

| Supplier | Part Number | Power (W) | $V_{in}$ (Vac) | $V_{out}$ (Vdc) | $I_{out}$ (mA) | Dimming | Remarks |
|---|---|---|---|---|---|---|---|
| Inventronics | EUP-096S070ST | 96 | 90-305 | 74-213 | 450-700 | — | Adjustable Output Current with dip switch |
| | EUP-096S105ST | 96 | | 48-137 | 700-1050 | | |
| | EUP-096S210ST | 96 | | 24-69 | 1400-2100 | | |
| | EUP-096S350ST | 96 | | 14-36 | 2625-3500 | | |
| | EUR-096S210DT | 96 | | 24-69 | 1400-2100 | 0-10V/PWM | Adjustable Output Current with Programmability, Round Metal Case |
| | EUR-096S210ST | 96 | | 24-69 | 1400-2100 | — | Adjustable Output Current with Potentiometer, Round Metal Case |
| | EUR-096S350DT | 96 | | 14-39 | 2450-3500 | 0-10V/PWM | Adjustable Output Current with Programmability, Round Metal Case |
| | EUR-096S350ST | 96 | | 14-39 | 2450-3500 | — | Adjustable Output Current with Potentiometer, Round Metal Case |
| Inventronics (Outdoor) | EUD-150S105DTL | 150 | 90-305 | 75-214 | 700-1050 | 0-10V/ PWM/3 Timers | Ultra-Long Lifetime, Programmable, Dim to Off, 12V Vaux |
| | EUD-150S350DTA | 150 | | 22-61 | 2450-3500 | | Programmable, Dim to Off, PSE Certified |
| | EUD-150S560DTA | 150 | | 14-39 | 2450-3500 | 0-10V/ PWM/3 Timer Modes | Programmable, Dim to Off, 12V Vaux, 2nd Generation |
| | EUD-150S105BTA | 150 | | 75-214 | 700-1050 | DALI | |
| | EUD-150S210BTA | 150 | | 38-107 | 1400-2100 | | |
| | EUD-150S350BTA | 150 | | 22-61 | 2450-3500 | | |
| | EUD-150S560BTA | 150 | | 14-39 | 3850-5600 | | |
| | EUG-150S070DT | 150 | | 117-333 | 50-700 | 0-5V/0-10V/ PWM/Timer | Programmable, 12V Vaux |
| | EUG-150S105DT | 150 | | 75-214 | 700-1050 | | |
| | EUG-150S210DT | 150 | | 38-107 | 1400-2100 | | |
| | EUP-150S070ST | 15 | | 117-333 | 450-700 | — | Adjustable Output Current with dip switch |
| | EUP-150S105ST | 150 | | 75-214 | 700-1050 | | |
| | EUP-150S210ST | 150 | | 38107 | 1400-2100 | | |
| | EUP-150S350ST | 150 | | 22-61 | 2450-3500 | | |
| | EUP-150S560ST | 150 | | 14-36 | 4200-5600 | | |
| | EUR-150S350DT | 15 | | 22-61 | 2450-3500 | 0-10V/PWM | Adjustable Output Current with Programmability, Round Metal Case |
| | EUR-150S350ST | 150 | | 22-61 | 2450-3500 | — | Adjustable Output Current with Potentiometer, Round Metal Case |
| | EUR-150S560DT | 150 | | 14-39 | 3850-5600 | 0-10V/PWM | Adjustable Output Current with Programmability, Round Metal Case |
| | EUR-150S560ST | 150 | | 14-39 | 3850-5600 | — | Adjustable Output Current with Potentiometer, Round Metal Case |





| Supplier | Part Number | Power (W) | $V_{in}$ (Vac) | $V_{out}$ (Vdc) | $I_{out}$ (mA) | Dimming | Remarks |
|---|---|---|---|---|---|---|---|
| Inventronics (Outdoor) | EUD-200S105DTA | 200 | 90~305 | 95-286 | 700-1050 | 0-10V/ PWM/3 Timer Modes | Programmable, Dim to Off, 12V Vaux, 2nd Generation |
| | EUD-200S210DTA | 200 | | 48-143 | 1400-2100 | | |
| | EUD-200S350DTA | 200 | | 29-82 | 2450-3500 | | |
| | EUD-200S560DTA | 200 | | 18-52 | 3850-5600 | | |
| | EUD-200S070BT | 200 | | 143-286 | 700 | DALI | Programmable, Dim to Off |
| | EUD-200S105BT | 200 | | 95-190 | 1050 | | |
| | EUD-200S070GT | 200 | | 143-286 | 700 | DMX | |
| | EUD-200S105GT | 200 | | 95-190 | 1050 | | |
| | EUD-200S140GT | 200 | | 71-142 | 1400 | | |
| | EUD-200S210GT | 200 | | 47-95 | 2100 | | |
| | EUG-200S105DT | 200 | | 95-286 | 700-1050 | 0-5V/0-10V/ PWM/Timer | Programmable, 12V Vaux |
| | EUG-200S210DT | 200 | | 48-143 | 1400-2100 | | |
| | EUD-240S100DT | 240 | | 72-343 | 700-1000 | 0-10V/PWM/ Timer | Programmable, Dim to Off, 12V Vaux |
| | EUD-240S100BT | 240 | | 72-343 | 700-1000 | DALI | Programmable, Dim to Off |
| | EUD-240S150DT | 240 | | 50-240 | 1050-1500 | 0-10V/PWM/ Timer | Programmable, Dim to Off, 12V Vaux |
| | EUD-240S150BT | 240 | | 50-240 | 1050-1500 | DALI | Programmable, Dim to Off |
| | EUD-240S105DTA | 240 | | 114-343 | 700-1050 | 0-10V/ PWM/3 Timer Modes | Programmable, Dim to Off, 12V Vaux, 2nd Generation |
| | EUD-240S210DTA | 240 | | 57-171 | 1400-2100 | | |
| | EUD-240S420DTA | 240 | | 29-86 | 2800-4200 | | |
| | EUD-240S670DTA | 240 | | 18-54 | 4450-6700 | | |
| | EUG-240S105DT | 240 | | 114-343 | 700-1050 | 0-5V/0-10V/ PWM/Timer | Programmable, 12V Vaux |
| | EUG-240S210DT | 240 | | 57-171 | 1400-2100 | | |
| | EUG-240S420DT | 240 | | 29-86 | 2800-4200 | | |
| | EUG-240S670DT | 240 | | 18-54 | 4450-6700 | | |
| | EUR-240S420DT | 240 | | 29-86 | 2800-4200 | 0-10V/PWM | Adjustable Output Current with Programmability, Round Metal Case |
| | EUR-240S420ST | 240 | | 29-86 | 2800-4200 | — | Adjustable Output Current with Potentiometer, Round Metal Case |
| | EUR-240S670DT | 240 | | 18-54 | 4450-6700 | 0-10V/PWM | Adjustable Output Current with Programmability, Round Metal Case |
| | EUR-240S670ST | 240 | | 18-54 | 4450-6700 | — | Adjustable Output Current with Potentiometer, Round Metal Case |
| | EUC-320S105DT | 320 | | 152-304 | 1050 | 0-10V | Dim to Off |
| | EUC-320S140DT | 320 | | 114-228 | 1400 | | |

## AC-DC (120/277/347/480VAC)-WITH UL & CE MARK *(continued)*

| Supplier | Part Number | Power (W) | $V_{in}$ (Vac) | $V_{out}$ (Vdc) | $I_{out}$ (mA) | Dimming | Remarks |
|---|---|---|---|---|---|---|---|
| Inventronics (Outdoor) | EUD-320S150DT | 320 | 90-305 | 107-305 | 1050-1500 | 0-10V/PWM/ 3 Timer Modes | Programmable, Dim to Off, 12V Vaux |
| | EUD-320S220DT | 320 | | 73-208 | 1540-2200 | | |
| | EUD-320S320DT | 320 | | 50-143 | 2240-3200 | | |
| | EUD-320S460DT | 320 | | 32-100 | 3220-4600 | | |
| | EUD-320S670DT | 320 | | 24-68 | 4690-6700 | | |
| | EUD-600S280DT | 600 | | 108-268 | 224-2800 | 0-10V/PWM/ 3 Ways of Timers | |
| | EUD-600S420DT | 600 | | 72-178 | 336-42000 | | |
| Inventronics (Multi-Channel) | LUC-042D070DSM | 42 | 90-305 | 17-30 | 700 | 0-10V | 2 channel |
| | LUC-066T070DSM | 66 | | 16-32 | 700 | | 3 channel |
| | LUC-072Q070DSM | 72 | | 13-26 | 700 | | 4 channel |
| | EUC-108T070DT | 108 | | 29-54 | 700 | | 3 channel |
| | EUC-120D210DT | 120 | | 14-28.5 | 2100 | 0-10V | 2 channel |
| | EUC-120D210ST | 120 | | 14-28.5 | 2100 | — | |
| | EUC-120T070DT | 120 | | 29-57 | 700 | 0-10V | — |
| | EUC-180T210DT | 180 | | 14-28.5 | 2100 | 0-10V | 3 channel |
| | EUC-180T210DT | 180 | | 14-28.5 | 2100 | — | |
| | EUC-144Q070DT | 151 | | 29-54 | 700 | 0-10V | 4 channel |
| | EUC-144Q105DT | 151 | | 19-36 | 1050 | | |
| | EUC-160Q070DT | 160 | | 29-57 | 700 | | |
| | EUC-160Q105DT | 160 | | 19-38 | 1050 | | |
| | EUC-180P070DT | 189 | | 29-54 | 700 | 0-10V | 5 channel |
| | EUC-180P105DT | 189 | | 19-36 | 1050 | | |
| | EUC-200P070DT | 200 | | 29-57 | 700 | | |
| | EUC-200P105DT | 200 | | 19-38 | 1050 | | |
| | EUC-240H070DT | 227 | | 29-54 | 700 | 0-10V | 6 channel |
| | EUC-240H105DT | 240 | | 19-38 | 1050 | | |
| Mean Well (Indoor) | APC-12-350 | 12.6 | 90-264 | 9-36 | 350 | — | — |
| | APC-12-700 | 12.6 | | 9-18 | 700 | — | — |
| | APC-16-350 | 16.8 | | 12-48 | 350 | — | — |
| | APC-16-700 | 16.8 | | 9-24 | 700 | — | — |
| | APC-25-500 | 25.2 | | 15-50 | 500 | — | — |
| | APC-25-700 | 25.2 | | 11-36 | 700 | — | — |
| | APC-25-1050 | 25.2 | | 9-24 | 1050 | — | — |
| | APC-35-700 | 35 | | 15-50 | 700 | — | — |
| | APC-35-1050 | 35 | | 11-33 | 1050 | — | — |

| Supplier | Part Number | Power (W) | $V_{in}$ (Vac) | $V_{out}$ (Vdc) | $I_{out}$ (mA) | Dimming | Remarks |
|---|---|---|---|---|---|---|---|
| Mean Well (Outdoor) | LPC-20-350 | 16.8 | 90-264 | 9-48 | 350 | — | — |
| | LPC-20-700 | 21 | | 9-30 | 700 | — | — |
| | LPC-35-700 | 33.6 | | 9-48 | 700 | — | — |
| | LPC-35-1400 | 33.6 | | 9-24 | 1400 | — | — |
| | LPC-60-1400 | 58.8 | | 9-42 | 1400 | — | — |
| | NPF-40-36* | 40.32 | 90-305 | 21.6-36 | 1120 | — | — |
| | NPF-40D-36* | 40.32 | | 21.6-36 | 1120 | 0-10VDC, 10V PWM and additive resistance | — |
| | ODLC-45-1050* | 45.15 | 90-295 | 26-43 | 1050 | 0-10VDC, 10V PWM | — |
| | ODLC-45-1400* | 44.8 | | 19-32 | 1400 | | — |
| | ODLC-45-350* | 33.25 | | 57-95 | 350 | | |
| | NPF-60-36* | 60.12 | 90-305 | 21.6-36 | 1670 | — | — |
| | NPF-60D-36* | 60.12 | | 21.6-36 | 1670 | 0-10VDC, 10V PWM and additive resistance | — |
| | NPF-90D-36* | 90 | | 21.6-36 | 2500 | | — |
| | HVGC-65-500 | 65 | 180-528 | 13-130 | 500 | — | B version features "Three In One Dimming" |
| | HVGC-65-700 | 65 | | 9-93 | 700 | — | |
| | ELG-75-C700A | 74.9 | 100-305 | 53-107 | 700 | 0-10VDC, 10V PWM and additive resistance | — |
| | ELG-100-C1050A | 99.75 | | 48-95 | 1050 | | |
| | HVGC-100-700 | 99.4 | 180-528 | 15-142 | 700 | — | B version features "Three In One Dimming" |
| | HBG-100-36* | 97.2 | 90-305 | 21.6-36 | 2700 | 1-10VDC, 10V PWM and additive resistance | — |
| | HLG-120H-C1050A | 155.4 | | 74-148 | 1050 | | — |
| | HLG-120H-C1400A | 151.2 | | 54-108 | 1400 | | — |
| | HLG-120H-C700A | 150.5 | | 107-215 | 700 | | — |
| | HVGC-150-700 | 150.5 | 180-528 | 21-215 | 700 | — | B version features "Three In One Dimming" |
| | HVGC-150-1050A | 150.15 | | 15-143 | 1050 | 0-10VDC, 10V PWM and additive resistance | — |
| | HBG-160-36* | 158.4 | 90-305 | 21.6-36 | 4400 | | — |
| | HBG-240-36A* | 240 | 90-305 | 21.6-36 | 6700 | 1-10VDC, 10V PWM nd additive resistance | — |
| | ELG-240-C1750 | 239.75 | 100-305 | 69-137 | 1750 | 0-10VDC, 10V PWM and additive resistance | — |
| | ELG-240-C2100 | 241.5 | | 57-115 | 2100 | | — |
| | HVGC-240-2800B | 240 | 180-528 | 42.9-85.7 | 2800 | | — |
| | HVGC-320-1050A | 320 | | 152.4-304.8 | 1050 | | — |
| | HVGC-320-1400A | 320 | | 114.3-228.6 | 1400 | | — |

* Can be used in CC or CV mode

PHILIPS

## AC-DC (230 VAC OR 240 VAC)-WITH CCC MARK

| Supplier | Part Number | Power (W) | $V_{in}$ (Vac) | $V_{out}$ (Vdc) | $I_{out}$ (mA) | Dimming | Remarks |
|---|---|---|---|---|---|---|---|
| Philips Lighting | 929000991206 | 22 | 220-240 | 8-32 | 300-1000 | DALI | Programmable |
| | 929001416080 | 30 | 220-240 | 32-42 | 700 | | IP20 for pannel light only |
| | 929001416180 | 34 | 220-240 | 32-42 | 800 | | |
| | 929001416480 | 34 | 220-240 | 24-32 | 1050 | | |
| | 929001416280 | 38 | 220-240 | 32-42 | 900 | | |
| | 929001416980 | 38 | 220-240 | 24-35 | 1100 | | |
| | 929000989306 | 40 | 220-240 | 20-544 | 300-1000 | DALI | Programmable |
| | 929000989206 | 40 | 220-240 | 25-77 | 200-700 | | |
| | 929001416380 | 44 | 220-240 | 32-42 | 1050 | | IP20 for pannel light only |
| | 929001406380 | 65 | 220-240 | 42-62 | 1050 | | IP42 |
| | 929001406280 | 65 | 220-240 | 65-93 | 700 | | |
| | 929001406080 | 65 | 220-240 | 42-62 | 1050 | | IP67 |
| | 929001405980 | 65 | 220-240 | 65-93 | 700 | | |
| | 929000962506 | 75 | 220-240 | 35-108 | 300-1000 | DALI | Programmable |
| | 929000962406 | 75 | 220-240 | 50-150 | 200-700 | | |
| | 929001404580 | 100 | 220-240 | 12-48 | 2100-4200 | | IP65 |
| | 929001401180 | 100 | 220-240 | 42-95 | 1050 | | IP42 |
| | 929001402380 | 100 | 220-240 | 42-95 | 1050 | 1-10V | |
| | 929001401080 | 100 | 220-240 | 64-143 | 700 | | |
| | 929001402280 | 100 | 220-240 | 64-143 | 700 | 1-10V | |
| | 929001400980 | 100 | 220-240 | 42-95 | 1050 | | IP67 |
| | 929001400880 | 100 | 220-240 | 42-95 | 1050 | | |
| | 929001402180 | 100 | 220-240 | 42-95 | 1050 | 1-10V | |
| | 929001402080 | 100 | 220-240 | 42-95 | 1050 | 1-10V | |
| | 929001403780 | 100 | 220-240 | 50-116 | 860 | | |
| | 929001403880 | 100 | 220-240 | 56-125 | 800 | 1-10V | |
| | 929001400780 | 100 | 220-240 | 62-143 | 700 | | |
| | 929001400680 | 100 | 220-240 | 62-143 | 700 | | |
| | 929001401980 | 100 | 220-240 | 62-143 | 700 | 1-10V | |
| | 929001401880 | 100 | 220-240 | 62-143 | 700 | 1-10V | |
| | 929001400380 | 150 | 220-240 | 62-142 | 1050 | | |
| | 929001400280 | 150 | 220-240 | 62-142 | 1050 | | |
| | 929001401580 | 150 | 220-240 | 62-142 | 1050 | 1-10V | |
| | 929001401480 | 150 | 220-240 | 62-142 | 1050 | 1-10V | |
| | 929001403680 | 150 | 220-240 | 75-174 | 860 | | |
| | 929001403980 | 150 | 220-240 | 82-188 | 800 | 1-10V | |
| | 929001400180 | 150 | 220-240 | 96-214 | 700 | | |
| | 929001400080 | 150 | 220-240 | 96-214 | 700 | | |
| | 929001401380 | 150 | 220-240 | 96-214 | 700 | 1-10V | |
| | 929001401280 | 150 | 220-240 | 96-214 | 700 | 1-10V | |





PHILIPS

| Supplier | Part Number | Power (W) | $V_{in}$ (Vac) | $V_{out}$ (Vdc) | $I_{out}$ (mA) | Dimming | Remarks |
|---|---|---|---|---|---|---|---|
| Philips Lighting | 929001400580 | 150 | 220-240 | 62-142 | 1050 | | IP42 |
| | 929001401780 | 150 | 220-240 | 62-142 | 1050 | 1-10V | |
| | 929001400480 | 150 | 220-240 | 96-214 | 700 | | |
| | 929001401680 | 150 | 220-240 | 96-214 | 700 | 1-10V | |
| | 929001404480 | 150 | 220-240 | 18-61 | 2450-4900 | | IP65 |
| | 929000962306 | 150 | 220-240 | 70-214 | 300-1000 | DALI | Programmable |
| | 929000962206 | 150 | 220-240 | 90-284 | 200-700 | DALI | Programmable |
| | 929001404680 | 200 | 220-240 | 18-72 | 2800-5600 | | IP65 |
| | 929001404280 | 250 | 220-240 | 118-238 | 1050 | 1-10V | IP42 |
| | 929000838508 | 250 | 220-240 | 178-357 | 700 | 1-10V | IP42 |
| | 929001404180 | 250 | 220-240 | 118-238 | 1050 | 1-10V | IP67 |
| | 929001404080 | 250 | 220-240 | 178-357 | 700 | 1-10V | IP67 |

LED POWER SUPPLIES AND SURGE PROTECTION

## AC-DC (120/277/347/480VAC) WITH UL MARK

| Supplier | Part Number | Power (W) | $V_{in}$ (Vac) | $V_{out}$ (Vdc) | $I_{out}$ (mA) | Dimming | Remarks |
|---|---|---|---|---|---|---|---|
| Inventronics | ESV-150S012ST | 120 | 249-528 | 12 | 10000 | | |
| | ESV-150S024ST | 150 | 249-528 | 24 | 6250 | | |
| | ESV-150S048ST | 150 | 249-528 | 48 | 3130 | | |
| | ETV-300S024ST | 300 | 312-528 | 24 | 12500 | | |
| | ETV-300S048ST | 300 | 312-528 | 48 | 6250 | | |
| | ETV-500S024ST | 480 | 312-528 | 24 | 20000 | | |
| | ETV-500S048ST | 500 | 312-528 | 48 | 10410 | | |
| Mean Well | HVG-100-42B | 95.76 | 180-528 | 21-42 | 2280 | | |
| | HVG-100-36B | 95.4 | | 18-36 | 2650 | | |
| | HVG-100-48A | 96 | | 24-48 | 2000 | | |
| | HVG-150-36A | 150.12 | | 19.8-36 | 4170 | | |
| | HVG-240-36A | 241.2 | | 18-36 | 6700 | | |
| | HVG-320-36A | 320.4 | | 18-36 | 8900 | | |
| Philips Lighting | LED120A0012V10F* | 12 | 120 | 12 | 200-1000 | | |
| | LED120A0700C24F* | 17 | 120 | 24 | 100-700 | | |
| | LED120A0700C24FO* | 17 | 120 | 24 | 100-700 | | |
| | LED120A1400C24F* | 34 | 120 | 24 | 200-1400 | | |
| | LED120A0024V14FO* | 34 | 120 | 24 | 200-1400 | | |
| | LED120A0024V18FO* | 40 | 120 | 24 | 200-1750 | | |
| | LEDINTA0024V20DLO* | 48 | 120-277 | 24 | 100-2000 | | |
| | LEDINTA0024V22FO | 53 | 120-277 | 24 | 100-2200 | | |
| | LED120A0012V50F | 60 | 120 | 12 | 800-5000 | | |
| | LEDINTA0012V50FO | 60 | 120-277 | 12 | 100-5000 | | |
| | LEDINTA0024V28FO | 67 | 120-277 | 24 | 100-2800 | | |
| | LEDINTA0024V30DLO* | 72 | 120-277 | 24 | 100-3000 | | |
| | LEDINTA0024V32FO | 77 | 120-277 | 24 | 100-3200 | | |
| | LED120A0024V33F | 80 | 120 | 24 | 800-3300 | | |
| | LEDHCNA0024V41DLO* | 100 | 347-480 | 24 | 4100 | | |

* Can be used in CC or CV mode

## AC-DC (240 VAC)-WITH CE MARK

| Supplier | Part Number | Power (W) | $V_{in}$ (Vac) | $V_{out}$ (Vdc) | $I_{out}$ (mA) |
|---|---|---|---|---|---|
| Harvard Technology | CLV12-240-13-B/C | 13 | 198-264 | 12 | 1100 |
| | CLV24-240-B/C | 30 | | 24 | 1200 |
| Philips Lighting | 913700620891 | 20 | 100-240 | 24 | 850 |
| | 913700620991 | 60 | | | 2500 |
| | 913700621091 | 100 | | | 4100 |

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Check manufacturer's website for the most recent information.

## AC-DC (120/277/347/480VAC)-WITH UL & CE MARK

| Supplier | Part Number | Power (W) | $V_{in}$ (Vac) | $V_{out}$ (Vdc) | $I_{out}$ (mA) |
|---|---|---|---|---|---|
| Inventronics | EUV-026S024PS | 26 | 90-305 | 24 | 1080 |
| | EUV-026S048PS | 26 | 90-305 | 48 | 540 |
| | EUV-036S024ST | 36 | 90-305 | 24 | 1500 |
| | EUV-036S048ST | 36 | 90-305 | 48 | 750 |
| | EUV-052S024ST | 52 | 90-305 | 24 | 2170 |
| | EUV-052S048ST | 52 | 90-305 | 48 | 1080 |
| | EUV-076S012ST | 60 | 90-305 | 12 | 5000 |
| | EUV-076S024ST | 76 | 90-305 | 24 | 3170 |
| | EUV-076S048ST | 76 | 90-305 | 48 | 1580 |
| | EUV-096S024ST | 96 | 90-305 | 24 | 4000 |
| | EUV-096S048ST | 96 | 90-305 | 48 | 2000 |
| | ESV-150S012ST | 120 | 249-528 | 12 | 10000 |
| | EUV-150S024ST | 150 | 90-305 | 24 | 6250 |
| | EUV-150S048ST | 150 | 90-305 | 48 | 3130 |
| | ESV-150S024ST | 150 | 249-528 | 24 | 6250 |
| | ESV-150S048ST | 150 | 249-528 | 48 | 3130 |
| | EUV-300S012ST | 275 | 90-305 | 12 | 22900 |
| | EUV-300S024ST | 300 | 90-305 | 24 | 12500 |
| | EUV-300S048ST | 300 | 90-305 | 48 | 6250 |
| | ESV-300S024ST | 300 | 249-528 | 24 | 12500 |
| | ESV-300S048ST | 300 | 249-528 | 48 | 6250 |
| | ETV-500S024ST | 480 | 312-528 | 24 | 20000 |
| | EBV-500S024ST | 500 | 176-305 | 24 | 20830 |
| | EBV-500S048ST | 500 | 176-305 | 48 | 10410 |
| | ETV-500S048ST | 500 | 312-528 | 48 | 10410 |
| Mean Well | APV-12-12 | 12 | 90-264 | 12 | 1000 |
| | APV-16-12 | 15 | | 12 | 1250 |
| | APV-16-24 | 16 | | 24 | 670 |
| | APV-12-24 | 12 | | 24 | 500 |
| | LPV-20-12 | 20 | | 12 | 1670 |
| | LPV-20-24 | 20 | | 24 | 840 |
| | LPV-35-12 | 36 | | 12 | 3000 |
| | LPV-35-24 | 36 | | 24 | 1500 |
| | LPV-60-24 | 60 | | 24 | 2500 |
| | LPV-60-48 | 60 | | 48 | 1250 |
| | ELG-75-C700A | 74.9 | 100-305 | 27-54 | 700 |
| | HLG-80H-12* | 60 | 90-305 | 12 | 5000 |
| | HLG-80H-24* | 80 | | 24 | 3400 |
| | HLG-80H-48* | 80 | | 48 | 1700 |
| | HLG-100H-24* | 96 | | 24 | 4000 |
| | HLG-100H-36* | 95.4 | | 18-36 | 2650 |
| | HLG-100H-48* | 96 | | 48 | 2000 |
| | ELG-100-36A* | 95.76 | 100-305 | 18-36 | 2660 |
| | HLG-120H-12* | 120 | 90-305 | 12 | 10000 |
| | HLG-120H-36* | 122.4 | | 18-36 | 3400 |
| | HLG-120H-24* | 120 | | 24 | 5000 |
| | HLG-120H-48* | 120 | | 48 | 2500 |
| | HLG-150H-36* | 151.2 | | 18-36 | 4200 |
| | CLG-150-12* | 132 | 90-295 | 12 | 11000 |
| | CLG-150-24* | 150 | | 24 | 6300 |


LED POWER SUPPLIES AND SURGE PROTECTION

# LED Driver Modules
## Constant Voltage AC-DC (continued)

### AC-DC (110/277VAC)-WITH UL & CE MARK *(continued)*

| Supplier | Part Number | Power (W) | $V_{in}$ (Vac) | $V_{out}$ (Vdc) | $I_{out}$ (mA) |
|---|---|---|---|---|---|
| Mean Well | HLG-150H-12* | 150 | 90-305 | 12 | 12500 |
| | HLG-150H-24* | 150 | | 24 | 6300 |
| | HLG-150H-48* | 150 | | 48 | 3200 |
| | HLG-185H-24* | 185 | | 24 | 7800 |
| | HLG-185H-36* | 187.2 | | 18-36 | 5200 |
| | ELG-240-36* | 239.76 | 100-305 | 18-36 | 6660 |
| | HLG-185H-48* | 185 | 90-305 | 48 | 3900 |
| | HLG-240H-24* | 240 | | 24 | 10000 |
| | HLG-240H-36* | 241.2 | | 18-36 | 6700 |
| | HLG-240H-48* | 240 | | 48 | 5000 |
| | HLG-320H-24* | 320 | | 24 | 13340 |
| | HLG-320H-36* | 320.4 | | 18-36 | 8900 |
| | HLG-320H-48* | 320 | | 48 | 6700 |
| | HLG-480H-48B* | 480 | | 24-48 | 10000 |
| | HLG-480H-36 | 478.8 | | 18-36 | 13300 |
| | HLG-480H-54B* | 480.6 | | 27-54 | 8900 |
| | HLG-600H-24* | 600 | | 24 | 25000 |
| | HLG-600H-36A* | 601.2 | | 18-36 | 16700 |
| | HLG-600H-48* | 600 | | 48 | 12500 |

* Can be used in CC or CV mode

## Constant Current DC-DC

### DC-DC - WITH CE MARK

| Supplier | Part Number | Power (W) | $V_{in}$ (Vac) | $V_{out}$ (Vdc) | $I_{out}$ (mA) | Dimming | Remarks |
|---|---|---|---|---|---|---|---|
| Mean Well (DC-DC) | LDH-45A-350X | 30.1 | 2.8 | 12~86 | 350 | PWM, Analog or DALI Control | X = Blank, W, DA or WDA |
| | LDH-45A-500X | 43 | 4.1 | 12~86 | 500 | | |
| | LDH-45A-700X | 44.8 | 4.2 | 12~64 | 700 | | |
| | LDH-45A-1050X | 45.15 | 4.2 | 12~43 | 1050 | | |
| | LDH-45B-350X | 44.1 | 2.1 | 21~126 | 350 | | |
| | LDH-45B-500X | 43 | 2.1 | 21~86 | 500 | | |
| | LDH-45B-700X | 44.8 | 2 | 21~64 | 700 | | |
| | LDH-45B-1050X | 45.15 | 2 | 21~43 | 1050 | | X = Blank, W, DA or WDA |
| | LDD-300LX | 9 ~ 36VDC for LDD-300~700L/ LW ; 9~ 32VDC for LDD-300~700LS | 2 ~ 32VDC for LDD-300~700L/ LW ; 2~ 28VDC for LDD-300~700LS | 300 | PWM or Analog Control | X = Blank, W or S | |
| | LDD-350LX | | | 350 | | | |
| | LDD-500LX | | | 500 | | | |
| | LDD-600LX | | | 600 | | | |
| | LDD-700LX | | | 700 | | | |
| | LDD-1000LX | | 6~36 | 2~30 | 1000 | PWM or Analog Control | |
| | LDD-1200LX | | 6~36 | 2~30 | 1200 | | |
| | LDD-1500LX | | 6~36 | 2~30 | 1500 | | |
| | LDD-300HX | | 9~56 | 2~52 | 300 | PWM Control | X = Blank or W |
| | LDD-350HX | | 9~56 | 2~52 | 350 | | |
| | LDD-500HX | | 9~56 | 2~52 | 500 | | |
| | LDD-600HX | | 9~56 | 2~52 | 600 | | |
| | LDD-700HX | | 9~56 | 2~52 | 700 | | |
| | LDD-1000HX | | 9~56 | 2~52 | 1000 | | |
| | LDD-1200HX | | 9~52 | 2~46 | 1200 | | |
| | LDD-1500HX | | 9~52 | 2~46 | 1500 | | |
| | LDB-300LX | | 9~36 | 2~40 | 300 | | |
| | LDB-350LX | | 9~36 | 2~40 | 350 | | |
| | LDB-500LX | | 9~30 | 2~32 | 500 | | |
| | LDB-600LX | | 9~28 | 2~30 | 600 | | |



# LED Driver Modules
## Constant Current DC-DC (continued)

### DC-DC

| Supplier | Type | Part Name | Part Number | $V_{in}$ (Vdc) | $V_{out}$ max (Vdc) | $I_{out}$ (mA) | Dimming | Associated Wire Harness Part Number |
|---|---|---|---|---|---|---|---|---|
| LEDdynamics | Low Voltage Boost (DC) | MicroPuck | 2009A | 0.8-3 | 8 | 350 | | N/A |
| | Med Voltage Boost (DC) | BoostPuck | 4015-D-E-350 | 5-28 | 48 | 350 | ✓ | 3021HEP |
| | | | 4015-D-I-350 | | | | | |
| | Med Voltage Buck (DC) | BuckToot | 7027-D-350 | 6-28 | 26 | 350 | | N/A |
| | | BuckPuck (pinned) | 3021-D-E-350 | 7-32 | 30 | 350 | ✓ | 3021HEP |
| | | | 3021-D-E-700 | 7-32 | | 700 | ✓ | |
| | | | 3021-D-E-1000 | 7-32 | | 1000 | ✓ | |
| | | | 3021-D-N-350 | 5-32 | | 350 | | |
| | | BuckPuck (wired) | 3023-D-E-700 | 7-32 | 30 | 700 | ✓ | N/A |
| | | | 3023-D-N-700 | 5-32 | | | | |
| | | BuckBlock | A009-D-V-1000 | 10-32 | 80% of $V_{in}$ | 1000 | ✓ | N/A |
| | | | A009-D-V-1400 | | 75% of $V_{in}$ | 1400 | ✓ | |
| | | | A009-D-V-2100 | | 60% of $V_{in}$ | 2100 | ✓ | |
| | | MiniPuck (pinned) | G031-D-P-350 | 6-30 | 27.5 | 350 | ✓ | N/A |
| | | | G031-D-P-700 | | | 700 | ✓ | |
| | | | G031-D-P-1000 | | | 1000 | ✓ | |
| | Med Voltage Buck-Boost (DC) | FlexBlock | A011-D-V-350 | 10-32 | 48 | 350 | ✓ | N/A |
| | | | A011-D-V-500 | | | 500 | ✓ | |
| | | | A011-D-V-700 | | | 700 | ✓ | |
| | Med Voltage Buck (AC) | BuckBullet | 7006-H-350 | 8-24Vac | 21 | 350 | | N/A |
| | | | 7006-H-500 | | | 500 | | |
| | | | 7006-H-700 | | | 700 | | |
| | 4-channel DMXDriver Interface | QuadPuck | 4016 | Can individually control up to 4 BuckPucks using a standard USITT DMX/512/1990 controller; Simple RJ45 connections for DMX and power | | | | |

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DIODES INCORPORATED



# LED Power ICs
## Low and Medium Voltage ICs

DIODES INCORPORATED

| Supplier | Applications | Voltage | Topology | Part Number | $V_{in}$ (VDC) | $V_{out}$ max (VDC) | $I_{out}$ max (mA) |
|---|---|---|---|---|---|---|---|
| Diodes Inc. | Portable or Wearable LED Lighting | Low Voltage | Charge Pump | AP3156 | 2.7-5.5 | 5.5 | 300 |
| | | | | AL3157 | 2.7-5.5 | 5.5 | 150 |
| | | | | AL3158 | 2.7-5.5 | 5.5 | 270 |
| | | | | AL3159 | | | |
| | | | Boost | ZXSC310 | 0.8-8 | External | External |
| | | | | ZXSC380 | 0.8-6 | 18 | 80 |
| | | | | ZXSC400 | 1.8-8 | External | External |
| | | | | ZXLD1321 | 1.2-12 | 18 | 1000 |
| | | | | AL3050 | 2.7-5.5 | 26 | 40 |
| | | | | AP3019A | 2.5-16 | 38 | — |
| | | | | AP3031 | 2.7-16 | 38 | — |
| | | | | AP3032 | 2.7-9 | 38 | — |
| | | | | AP5724 | 2.7-5.5 | 26 | 50 |
| | | | | AP5725 | | | |
| | | | | AP5726 | | | |
| | | | | PAM2803 | 0.9-5.5 | 6 | 150 |
| | | | | PAM2805 | | | |
| | | | | PAM2841 | 2.5-5.5 | 40 | 100 |
| | | | Buck | PAM2804 | 2.5-6 | 6 | 1000 |
| | Commercial and Industrial LED Lighting | Medium Voltage | Buck | ZXLD1356 | 6.0-60 | 60 | 550 |
| | | | | ZXLD1362 | 6.0-60 | 60 | 1000 |
| | | | | ZXLD1366 | | | |
| | | | | AP8802H | 8.0-60 | 60 | 1000 |
| | | | | AL8805 | 6.0-30 | 30 | 1000 |
| | | | | AL8806 | 6.0-36 | 36 | 1500 |
| | | | | AL8807 | 6.0-36 | 36 | 1300 |
| | | | | AL8807A | | | |
| | | | | AL8807B | | | |
| | | | | AL8808 | 6.0-30 | 30 | 1000 |
| | | | | AL8860 | 4.5-40 | 40 | 1500 |
| | | | | AL8861 | | | |
| | | | | PAM2863 | 4.5-40 | 40 | 2000 |
| | High Lumen Automotive LED Bulb | Medium Voltage | Buck | AL8806Q | 6.0-36 | 36 | 1500 |
| | | | | AL8807Q | 6.0-36 | 36 | 1300 |
| | | | | ZXLD1356Q | 6.0-60 | 60 | 550 |
| | | | | ZXLD1362Q | 6.0-60 | 60 | 1000 |
| | | | | ZXLD1366Q | | | |
| | | | Buck, Buck-Boost and Boost | ZXLD1371Q | 5.3-60 | 60 | External |
| | | | | ZXLD1374Q | 6.5-60 | 60 | 1500 |

LED POWER SUPPLIES AND SURGE PROTECTION

# LED Power ICs

## Low and Medium Voltage ICs (continued)

| Supplier | Applications | Voltage | Topology | Part Number | $V_{in}$ (VDC) | $V_{out}$ max (VDC) | $I_{out}$ max (mA) |
|---|---|---|---|---|---|---|---|
| Diodes Inc. | Automotive Interior and position/rear cluster LED Lamps | Medium Voltage | Linear | AL8400Q | 2.2-18 | 18 | External |
| | | | | AL5809Q | 2.5 ~60V | 2.5 ~60V | 15 ~ 150 |
| | | | | BCR420UQ | 1.4-40 | 40 | 200 |
| | | | | BCR421UQ | 1.4-40 | 40 | 350 |
| | LED Signs, White Goods, Strip LED Lighting and LED Indicator | Medium Voltage | Linear and Contant Current Regulator (CCR) | AL8400 | 2.2-18 | 18 | External |
| | | | | BCR420U | 1.4-40 | 40 | 200 |
| | | | | BCR421U | 1.4-40 | 40 | 350 |
| | | | | BCR401U | 1.4-40 | 40 | 100 |
| | | | | BCR402U | | | |
| | | | | BCR405U | | | |
| | | | | AL5801 | 5.0-100 | 100 | 350 |
| | | | | AL5802 | 4.5-30 | 30 | 120 |
| | | | | AL5811 | 3.5-60 | 60 | 75 |
| | | | | AL5812 | 3.5-60 | 60 | 150 |
| | | | | AL5809 | 2.5-60 | 60 | 150 |
| | | | | AL5890 | 7-500 | 500 | 40 |
| | | | | AL1791 | 6.5-30 | 30 | 1800 |
| | | | | AL1792 | | | |
| | | | | AL1793 | | | |
| | | | | AL1794 | | | |
| | | | | PAM2800 | 3.6-5.5 | 5.5 | 350 |
| | | | | PAM2808 | 2.5-6 | 6 | 1500 |
| | | | | PAM2810 | 2.7-5.5 | 5.5 | 40 |
| | | | | AP2502 | 2-6 | 6 | 20 |
| | | | | AP3616 | 4.2-27 | 60 | 1200 |
| | LED Backlight | Medium Voltage | Boost | AP3041 | 5-27 | External | External |
| | | | | AL3065 | 4.5-33 | 60 | 400 |
| | | | | AL3066 | | | |
| | | | | AL3022 | 4-18 | External | External |
| | MR16/AR111 | Medium Voltage | Buck, Buck-Boost and Boost | AL8811 | 3-20 | 36 | 500 |
| | | | | AL8812 | 3-20 | 60 | 3600 |
| | | | Boost | AL8821 | 5-36 | 50 | 1200 |
| | | | | AL8822 | | | |
| | | | | AL8823 | | | |
| | | | Boost + Buck | AL8820 | 5-36 | 40 | 1200 |

Q Automotive Compliant versions with PPAP support available

# LED Power ICs

## Offline AC-DC ICs

| Supplier | Applications | Topology | Part Number | $V_{in}$ (VAC) | $V_{out}$ max (VDC) | $I_{out}$ max (mA) | $P_{out}$ max(W) | TRIAC Dimmable | PWM Dimmable | Recom. Topology |
|---|---|---|---|---|---|---|---|---|---|---|
| Diodes Inc. | Non-Dim LED Lamps Classic (A/B/P) and Reflector (Downlight/ GU10/Parx/BR) | Buck | AL1676 | 80-305 | 300/500/600/ 650 VDS MAX | 350 | 18 | — | — | Non-Isolated, High PF, Low BOM cost |
| | | | AL1678 | 80-305 | 500V VDS MAX | 240 | 15 | — | — | Non-Isolated, Low BOM cost |
| | | FlyBack | AP1684A | Single voltage input | External | External | 50 | — | — | Isolated or Non-Isolated, PF > 0.9 |
| | TRIAC Dimmable LED Lamps Classic (A/B/P) and Reflector (Downlight/ GU10/Parx/BR) | Boost, Buck-Boost, FlyBack | AL1692 | Single voltage input | 300/400/500/ 600/700 VDS MAX | 300 / External | 25 | Y | — | PF > 0.9, Lamps up to 25W |
| | | Buck | AL16937 | Single voltage input | 500 VDS MAX | 300 | 15 | Y | — | PF > 0.9 |
| | | Buck, Buck-Boost, FlyBack | AL1696 | Single voltage input | 300/500/600 VDS MAX | 230 | 12 | Y | — | PF > 0.9, Low BOM cost |
| | | Buck-Boost, FlyBack | AL1697 | Single voltage input | 600/650 VDS MAX | 200 | 15 | Y | — | PF > 0.9, Low BOM cost |
| | | Buck, Buck-Boost, FlyBack | AP1694A | Single voltage input | External | External | < 50 | Y | — | Isolated or Non-Isolated, PFC > 0.9 |
| | PWM/Analog Dimming LED Lamps | Buck-Boost, FlyBack | AL1663 | 80-305 | External | External | 150 | — | Y | PFC > 0.9 |
| | | Buck | AL1672 | 80-305 | 600 VDS Max | External | 25 | — | Y | PFC > 0.9 |
| | | Buck-Boost, FlyBack | AL1673 | 80-305 | 600 VDS Max | External | 20 | — | Y | PFC > 0.9 |
| | | Buck | AL9910/ A/-5/A-5 | 85-305 | External | External | - | Y | Y | Non-Isolated |
| | | | AL9901 | 85-305 | 650 VDS Max | 2000 | - | Y | Y | Non-Isolated |
| | | | AL9902 | | | | | | | |
| | T Tube | Buck-Boost, FlyBack | AP1682E | 80-308 | External | External | 60 | — | — | Isolated or Non-Isolated, PFC > 0.9 |
| | | Buck | AP1688 | 80-308 | External | External | 60 | — | — | Non-Isolated |
| | Smart Connected Lighting | Multi-channel Linear | AL1791 | 30Vdc | 30V | 500 | 10 | | | Supports WRGB, color temp ctrl & warm dimming |
| | | | AL1792 | | | | | | | |
| | | | AL1793 | | | | | | | |
| | | | AL1794 | | | | | | | |
| | Power Supply and IoT Modules | Boost, Buck-Boost, FlyBack | AL6562A | 80-308 | External | External | 150 | — | — | Power Factor Correction and low THD |

# Surge Protection Modules

INVENTRONICS
Littelfuse® Expertise Applied | Answers Delivered
PHILIPS



# Surge Protection Modules

INVENTRONICS
Littelfuse® Expertise Applied | Answers Delivered
PHILIPS

## SURGE PROTECTION MODULES-(120/277/480VAC)

| Supplier | Part Number | Input Voltage (Vac) | Max. Surge Current(kA) | Remarks |
|---|---|---|---|---|
| Inventronics | PU-20KD10KTSL | 100-277 | 15kA | CE, DEMKO, series, indicator |
| | PU-20KS10KTTN | 100-277 | | UL, parallel |
| | PU-20KD10KTTN | 100-277 | | UL, series |
| | PU-20KS10KTVA | 100-277 | | UL, CE, DEMKO, parallel, indicator |
| | PU-20KD10KTVA | 100-277 | | UL, CE, DEMKO, series, indicator |
| | PU-20KD10KTSL-FT01 | 100-277 | | CE, DEMKO, series, double-insulation, indicator |
| | PY-20KS10KTTN | 277-347 | | UL, parallel |
| Littelfuse | LSP05120P(M)* | 120 | 10kA | UL, CE, parallel connection, IP66 |
| | LSP05277P(M)* | 277 | | |
| | LSP05480P(M)* | 480 | | |
| | LSP05G120S | 120 | | UL, CE, CB, Series connection, IP66 |
| | LSP05G277S | 277 | | |
| | LSP05G480S | 480 | | |
| | LSP05G120P | 120 | | UL, CE, parallel connection, IP66 |
| | LSP05G277P | 277 | | |
| | LSP05G480P | 480 | | |
| | LSP05GI120S | 120 | | UL, CE, CB, KEMA-KEUR, Series connection, IP66, Indicator |
| | LSP05GI277S | 277 | | |
| | LSP05GI480S | 480 | | |
| | LSP05GI120P | 120 | | UL, CE, CB, KEMA-KEUR, Parallel connection, IP66, Indicator |
| | LSP05GI277P | 277 | | |
| | LSP05GI480P | 480 | | |
| | LSP10120S | 120 | 20kA | UL, CE, series connection, IP66 |
| | LSP10277S | 277 | | |
| | LSP10480S | 480 | | |
| | LSP10120P | 120 | | UL, CE, parallel connection, IP66 |
| | LSP10277P | 277 | | |
| | LSP10480P | 480 | | |
| | LSP10GIHP277S | 120-277 | | UL, CE, CB, KEMA-KEUR, Series connection, IP66, Indicator, Low Surge-Let-Through |
| | LSP10GIHP480S | 347-480 | | |
| Philips Lighting | 929000665202 | 120-277 | 10kA | UL |
| | SP1 | 120-277 | | UL |
| | SP1HV | 347-480 | | UL |
| | 929000886906 | 220-240 | | CE |
| | SP2 | 120-277 | 22kA | UL |

*Where M indicates "with monitor indication wires"

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carclo Optics

LEDiL®



# Optics
## Single LED

LEDiL®

### NARROW BEAM LENS

| Supplier | Part Number | Optic Beam Angle ( ° )* | Optic Diameter (mm) | Optic Shape | Notes |
|---|---|---|---|---|---|
| LEDiL | CA11016_TINA2-RS | 14 | 16.1 | Round | – |
| | FN14637_OLIVIA-S | 23 | 70 | | |
| | CA11482_LXP2-D | 11 | 21.6 | | |
| | CA11353_LAURA-RS | 12 | 21.6 x 21.6 | Square | |
| | CA11360_LAURA-D | 19 | 21.6 x 21.6 | | |
| | CA11420_TINA2-D | 17 | 16,1 | Round | |
| | CA11481_LXP2-RS | 11 | 21.6 | | |
| | CA11643_LAURA-SS | 13 | 21.6 x 21.6 | Square | |
| | FCA12077_IRIS | 8 | 38 | Round | |
| | CN14236_WINNIE-S | 20 | 49,8 | | |
| | C10684_EVA-D | 21 | 35 | | |
| | CN10861_IRIS | 16 | 38 | | |
| | CA12802_EVA-D | 21 | 37.7 | | |
| | CP12818_EVA-D | 21 | 37.7 | | |
| | C12916_CRYSTAL-RS | 12 | 46.8 | | |
| | CP12090_VENLA-S-IRIS | 14 | 45 | | |
| | CA12443_HEIDI-SS | 16 | 21.6 | | |
| | CA12530_HEIDI-D | 12 | 21,6 | | |
| | CA12537_HEIDI-RS | 11 | 21.6 | | |
| | CA13724_VERONICA-SQ-RS | 11 | 22.5 + 22.5 | | |
| | CP10544_LISA-SS | 22 | 10.8 | | |
| | FCN10804_LR1-RS | 8 | 21.6 | | |
| | FCN10806_LR1-D | 11 | 21.6 | | |
| | FCX10852_RES-D | 13 | 21.6 + 21.6 | Square | |
| | FCX10853_RES-SS | 13 | 21.6 + 21.6 | | |
| | FCX10856_RES-RS | 8 | 21.6 + 21.6 | | |
| | FP11056_LISA2-RS-PIN | 18 | 9.9 | Round | |
| | FP11086_LISA2-RS-CLIP | 18 | 9.9 | | |
| | FA11209_TINA-D | 15 | 16.1 | | |
| | FA11212_TINA-RS | 10 | 16.1 | | |
| | CX11352_LAURA-RS | 7 | 21.6 x 21.6 | Square | |
| | CX11359_LAURA-D | 15 | 21.6 x 21.6 | | |
| | CA11387_EMILY-SS | 10 | 26 | Round | |
| | CP11630_LISA-RS | 16 | 10.8 | | |
| | CX11645_LAURA-SS | 10 | 21.6 x 21.6 | Square | |
| | FCN11738_LR1-RS2 | 10 | 21.6 | Round | |
| | FA11905_TINA3-S | 11 | 16,1 | | |
| | CA11959_LAURA-RS-PIN | 7 | 21.6 x 21.6 | Square | |
| | CA11960_LAURA-D-PIN | 15 | 21.6 x 21.6 | | |
| | CA12011_LAURA-SS-PIN | 11 | 21.6 x 21.6 | | |
| | FCN12076_IRIS-SCREW | 5 | 38 | Round | |
| | CA12262_LR2-RS | 8 | 21.6 | | |
| | CA12263_LR2-D | 11 | 21.6 | | |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.

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## NARROW BEAM LENS *(continued)*

| Supplier | Part Number | Optic: Beam Angle ( ° )* | Optic: Diameter (mm) | Shape | Notes |
|---|---|---|---|---|---|
| LEDiL | CP12631_LAURA-RS-PG | 7 | 21.6 x 21.6 | Square | – |
| | CP12632_LAURA-D-PG | 15 | 21.6 x 21.6 | | |
| | CP12634_LAURA-SS-PG | 11 | 21.6 x 21.6 | | |
| | CP12938_LARISA-RS-CLIP8 | 20 | 9.9 x 9.9 | | |
| | CP12939_LARISA-RS-CLIP16 | 20 | 9.9 x 9.9 | | |
| | C12985_CRYSTAL-MINE | 5 | 46.8 | Round | |
| | C13528_VERONICA-RS | 12 | 26 | | |
| | CA11929_LR2-RS | 11 | 21.6 | | |
| | CA11930_LR2-D | 14 | 21.6 | | |
| | FA12038_TINA-RS | 17 | 16.1 | | |
| | CA12062_EMILY-D | 10 | 26 | | |
| | FA12310_TINA-D | 19 | 16.1 | | |
| | CP13512_AMELIA-S | 14 | 45 | | |
| | CA11264_HEIDI-D | 12 | 21.6 | | |
| | CA11663_HEIDI-RS | 11 | 21.6 | | |
| | CA12242_HEIDI-SS | 15 | 21,6 | | |
| | CN13595_CRYSTAL-MINE | 4.9 | 46.8 | | |
| | CA13628_G2-LAURA-RS-P | 11 | 21.6 x 21.6 | Square | |
| | CA13629_G2-LAURA-D-P | 18 | 21.6 x 21.6 | | |
| | CA13630_G2-LAURA-SS-P | 14 | 21.6 x 21.6 | | |
| | FP11055_LISA2-RS-PIN | 15 | 9.9 | Round | |
| | FP11085_LISA2-RS-CLIP | 15 | 9.9 | | |
| | CA11248_STRADA-S | 160 | 19.6 x 15.5 | Rectangular | |
| | CA12375_TINA2-D | 12 | 16 | Round | |
| | CN13552_CRYSTAL-RS | 3 | 49.7 | | |
| | FA15229_ROSE-MRK-S | 29 | 21.6 x 21.6 | Square | |
| | FCN15794_RONDA-S | 32 | 69,9 | Round | |
| | FCA14963_G2-NIS033U-S-PIN | 11 | 21.6 + 21.6 | Square | NCSU033A (UV LED) |
| | FCA15048_G2-NIS033U-SS | 11 | 21.6 + 21.6 | | |
| | FC15514_FLORENTINA-1-MRK-S-60 | 27 | 39.7 x 39.7 | Rectangular | – |
| | CP15212_CARMEN-S-B | 14 | 69.5 | Round | |
| | CP15304_LARISA-RS-PIN | 17 | 9.9 x 9.9 | | |
| | FC15454_FLORENTINA-1-SS-60 | 18 | 39.7 x 39.7 | Rectangular | |
| | FC15455_FLORENTINA-1-RS-60 | 11 | 39.7 x 39.7 | | |
| | FC15456_FLORENTINA-1-D-60 | 19 | 39.7 x 39.7 | | |
| | FN15679_RONDA-S | 32 | 69.9 | Round | |
| | FN15734_RONDA-S-B | 26 | 69.9 | | |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.



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| Supplier | Part Number | Optic: Beam Angle ( ° )* | Optic: Diameter (mm) | Shape | Notes |
|---|---|---|---|---|---|
| Carclo Optics | 10193 | 8.6 | 20 | Circular | Holders: 10235, 10236, 10237 |
| | 10194 | 11 | 20 | | |
| | 10048 | 6.7 | 26.5 | | Holders: 10442, 10452, 10462, 10472, 10482, 10492 |
| | 10124 | 10.1 | 26.5 | | |
| | 12590 | 7.5 | 21.8 | | Holder: 12591 |
| | 10417 | 18 | 10 | | – |
| | 10755 | 5.7 | 30 | | Holder: 10765 |
| | 10756 | 10.5 | 30 | | |
| | 10412 | 18 | 10 | Square | Holders: 10235, 10236, 10237 |

## MEDIUM BEAM LENS

| Supplier | Part Number | Optic: Beam Angle ( ° )* | Optic: Diameter (mm) | Shape | Notes |
|---|---|---|---|---|---|
| Carclo Optics | 10756 | 20.8 | 30 | Circular | Holders: 10965, 12579 |
| | 10757 | 20.6 | 30 | | Holder: 10765 |
| | 10208 | 19 | 20 | | Holders: 10235, 10236, 10237 |
| | 10195 | 19 | 20 | | |
| | 10108 | 20.3 | 26.5 | | Holders: 10442, 10452, 10462, 10472, 10482, 10492 |
| | 10413 | 21 | 10 | | - |

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## MEDIUM BEAM LENS *(continued)*

| Supplier | Part Number | Optic Beam Angle ( ° )* | Optic Diameter (mm) | Optic Shape | Notes |
|---|---|---|---|---|---|
| LEDiL | C12500_MIRA-M | 30 | 32.4 | Round | – |
| | FN14828_OLIVIA-M | 30 | 70 | | |
| | CA11017_TINA2-M | 30 | 16.1 | | |
| | CA11483_LXP2-M | 24 | 21.6 | | |
| | CP12940_LARISA-M-CLIP8 | 31 | 9.9 + 9.9 | Square | |
| | CP12941_LARISA-M-CLIP16 | 31 | 9.9 + 9.9 | | |
| | CA11355_LAURA-M | 33 | 21.6 x 21.6 | | |
| | FP13028_LISA2-M-PIN | 28 | 9.9 | Round | |
| | FP13030_LISA2-M-CLIP | 28 | 9.9 | | |
| | CA14461_VERONICA-SQ-M | 33 | 22.5 x 22.5 | Square | |
| | CN13990_SAGA-HB-IP-WHT | 63 | 50 | Round | |
| | CN14237_WINNIE-M | 34 | 49.8 | | |
| | C12622_HELENA-A | 19 | 72.8 | | |
| | C13254_HELENA-B | 24 | 72,8 | | |
| | C10685_EVA-M | 26 | 35 | | |
| | C12767_HB-SQ-A | 50 | 25 + 25 | Square | |
| | CA12803_EVA-M | 26 | 37.7 | Round | |
| | CP12819_EVA-M | 26 | 37.7 | | |
| | CA14308_EVA-D | 21 | 37.7 | | |
| | CA14434_MINNIE-LT-M | 21 | 35 | | |
| | CA12882_MINNIE-W | 29 | 35 | | |
| | CA12878_MIRA-M | 25 | 35 | | |
| | CA14402_EVA-M | 26 | 37.7 | | |
| | CA12536_HEIDI-M | 29 | 21,6 | | |
| | FCN10803_LR1-M | 22 | 21.6 | | |
| | FCX10851_RES-M | 30 | 21.6 + 21.6 | Square | |
| | FP10992_LISA2-M-PIN | 25 | 9.9 | Round | |
| | FP11072_LISA2-M-CLIP | 25 | 9.9 | | |
| | FA11210_TINA-M | 28 | 16.1 | | |
| | CX11354_LAURA-M | 27 | 21.6 x 21.6 | Square | |
| | CA11388_EMILY-M | 18 | 26 | Round | |
| | CA11391_EMILY-M2 | 28 | 26 | | |
| | FCN11458_LR1-M2 | 30 | 21,6 | | |
| | CA11837_LAURA-M-PIN | 27 | 21.6 x 21.6 | Square | |
| | CA12264_LR2-M | 23 | 21.6 | Round | |
| | CP12633_LAURA-M-PG | 27 | 21.6 x 21.6 | Square | |
| | CA11931_LR2-M | 22 | 21.6 | Round | |
| | CA12064_EMILY-M | 18 | 26 | | |
| | CA12070_EMILY-M2 | 28.5 | 26 | | |
| | CA11265_HEIDI-M | 28 | 21,6 | | |
| | CA13627_G2-LAURA-M-P | 30 | 21.6 x 21.6 | Square | |
| | FP10995_LISA2-M-PIN | 19 | 9.9 | Round | |
| | FP11075_LISA2-M-CLIP | 19 | 9.9 | | |
| | CN13144_MIRA-M | 35 | 34.2 | | |
| | FN14074_STELLA-HB | 75 | 90 | | |



LEDiL

| Supplier | Part Number | Optic Beam Angle ( ° )* | Optic Diameter (mm) | Optic Shape | Notes |
|---|---|---|---|---|---|
| LEDiL | CP15215_CARMEN-M-B | 38 | 69.5 | Round | |
| | FA15232_ROSE-MRK-M | 45 | 21.6 x 21.6 | Square | – |
| | FCA14962_G2-NIS033U-M-PIN | 24 | 21.6 + 21.6 | | NCSU033A (UV LED) |
| | FC15516_FLORENTINA-1-MRK-M-60 | 42 | 39.7 x 39.7 | Rectangular | – |
| | CA15230_VERONICA-SQ-MINI-M | 25 | 13.9 + 13.9 | Square | |
| | CP15305_LARISA-M-PIN | 27 | 9.9 x 9.9 | | |
| | CP15309_LARISA-RZ-PIN | 26 | 9.9 x 9.9 | | |
| | FC15457_FLORENTINA-1-M-60 | 31 | 39.7 x 39.7 | Rectangular | |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.

## WIDE BEAM LENS

| Supplier | Part Number | Optic Beam Angle ( ° )* | Optic Diameter (mm) | Optic Shape | Notes |
|---|---|---|---|---|---|
| LEDiL | C12501_MIRA-W | 39 | 32.4 | Round | |
| | CA12589_EMILY-WWW | 57 | 26 | | |
| | C12502_MIRA-WW | 54 | 32.4 | | |
| | CA12056_TINA2-W | 52 | 16.1 | | |
| | CA12392_LXP2-W | 45 | 21.6 | | |
| | FA10708_CXP-W | 50 | 21.6 + 21.6 | Square | |
| | CP12944_LARISA-W-CLIP8 | 55 | 9.9 x 9.9 | | |
| | CP12945_LARISA-W-CLIP16 | 55 | 9.9 x 9.9 | | |
| | CA11766_LAURA-WW | 68 | 21.6 x 21.6 | | |
| | FP13025_LISA2-W-PIN | 40 | 9.9 | Round | |
| | FP13031_LISA2-W-CLIP | 40 | 9.9 | | |
| | CA14442_VERONICA-SQ-W | 52 | 22.5 x 22.5 | Square | |
| | CN14238_WINNIE-W | 48 | 49.8 | Round | |
| | C10686_EVA-W | 45 | 35 | | |
| | C10909_EVA-WW | 65 | 35 | | |
| | CA12804_EVA-W | 45 | 37.7 | | |
| | CA12805_EVA-WW | 65 | 37.7 | | |
| | CP12820_EVA-W | 45 | 37.7 | | |
| | CP12821_EVA-WW | 65 | 37.7 | | |
| | CA14309_EVA-W | 45 | 37.7 | | |
| | CA12879_MIRA-W | 39 | 35 | | |
| | CA12880_MIRA-WW | 57 | 35 | | |
| | FCX10855_RES-W | 31 | 21.6 + 21.6 | Square | |
| | FCN10890_LR1-W | 48 | 21.6 | Round | |
| | FP10993_LISA2-W-PIN | 36 | 9.9 | | |
| | FP11073_LISA2-W-CLIP | 36 | 9.9 | | |
| | FA11211_TINA-W | 44 | 16.1 | | |

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## WIDE BEAM LENS *(continued)*

| Supplier | Part Number | Optic: Beam Angle ( ° )* | Optic: Diameter (mm) | Optic: Shape | Notes |
|---|---|---|---|---|---|
| LEDiL | FCA11275_LR2-W | 48 | 21.6 | Round | |
| | FCX11675_RES-WW | 54 | 21.6 + 21.6 | Square | |
| | CX11768_LAURA-WW | 66 | 21.6 x 21.6 | | |
| | FA11824_TINA3-W | 38 | 16.1 | Round | |
| | FA11825_TINA3-WW | 50 | 16.1 | | |
| | FA11826_TINA3-WWW | 77 | 16.1 | | |
| | CA11934_EMILY-W | 40 | 26 | | |
| | FP11951_LISA2-WWW-PIN | 80 | 9.9 | | |
| | FP11952_LISA2-WWW-CLIP | 80 | 9.9 | | |
| | CA12079_HEIDI-W2 | 49 | 21.6 | | |
| | CA12325_LAURA-WW-PIN | 56 | 21.6 x 21.6 | Square | |
| | CA12344_LAURA-W-PIN | 44 | 21.6 x 21.6 | | |
| | CX12568_LAURA-W | 39 | 21.6 x 21.6 | | |
| | CP12636_LAURA-W-PG | 44 | 21.6 x 21.6 | | |
| | CP12637_LAURA-WW-PG | 56 | 21.6 x 21.6 | | |
| | CP12946_LARISA-WW-CLIP8 | 62 | 10 x 10 | | |
| | CP12947_LARISA-WW-CLIP16 | 62 | 10 x 10 | | |
| | FP10996_LISA2-W-PIN | 46 | 9.9 | Round | |
| | FP10997_LISA2-WW-PIN | 56 | 9.9 | | |
| | FP11076_LISA2-W-CLIP | 46 | 9.9 | | |
| | FP11429_LISA2-WWW-PIN | 88 | 9.9 | | |
| | FP11431_LISA2-WWW-CLIP | 74 | 9.9 | | |
| | CA12538_HEIDI-W | 32 | 21.6 | | |
| | CA13100_TINA3-W | 40 | 16.1 | | |
| | CA13178_TINA3-WW | 61 | 16.1 | | |
| | CA13179_TINA3-WWW | 74 | 16.1 | | |
| | CA11268_HEIDI-W | 31 | 21.6 | | |
| | CA12394_LR2-W | 46 | 21.6 | | |
| | CA12426_TINA3-W | 45 | 16.1 | | |
| | CA12427_TINA3-WW | 61 | 16.1 | | |
| | CA12428_TINA3-WWW | 78 | 16.1 | | |
| | CA13633_G2-LAURA-WW-P | 56 | 21.6 x 21.6 | Square | |
| | CA13634_G2-LAURA-W-P | 42 | 21.6 x 21.6 | | |
| | FP11077_LISA2-WW-CLIP | 28 | 9.9 | Round | |
| | CN13145_MIRA-W | 44 | 34.2 | | |
| | CN13146_MIRA-WW | 56 | 34.2 | | |
| | FA15233_ROSE-MRK-W | 62 | 21.6 x 21.6 | Square | |
| | FN15381_RONDA-WWW | 76 | 69.9 | Round | |
| | FCA14961_G2-NIS033U-W-PIN | 38 | 21.6 x 21.6 | Square | NCSU033A (UV LED) |
| | FCN15315_RONDA-WW | 66 | 69.9 | Round | |
| | FCN15316_RONDA-WWW | 78 | 69.9 | | |
| | FN15387_RONDA-WW | 66 | 69.9 | | |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.

LED ASSOCIATIVE PRODUCTS



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## WIDE BEAM LENS *(continued)*

| Supplier | Part Number | Optic: Beam Angle ( ° )* | Optic: Diameter (mm) | Optic: Shape | Notes |
|---|---|---|---|---|---|
| LEDiL | FC15517_FLORENTINA-1-MRK-W-60 | 57 | 39.7 x 39.7 | Rectangular | |
| | CA15231_VERONICA-SQ-MINI-W | 36 | 13.9 + 13.9 | Square | |
| | FCN15302_RONDA-WW | 60 | 69.9 | Round | |
| | FCN15303_RONDA-WWW | 89 | 69.9 | Round | |
| | CP15307_LARISA-W-PIN | 43 | 9.9 x 9.9 | Rectangular | |
| | CP15308_LARISA-WW-PIN | 63 | 9.9 x 9.9 | | |
| | CP15313_CARMEN-W-B | 56 | 69.93 | Round | |
| | FC15459_FLORENTINA-1-W-60 | 42 | 39.7 x 39.7 | Rectangular | |
| | FCN15499_RONDA-W | 44 | 69.9 | Round | |
| | FN15552_RONDA-W | 43 | 69.9 | | |
| | FCN15621_RONDA-W | 44 | 69.9 | | |
| | FN15735_RONDA-W-B | 49 | 69.9 | | |
| | FN15736_RONDA-WW-B | 62 | 69.9 | | |
| | FN15737_RONDA-WWW-B | 80 | 69.9 | | |
| Carclo Optics | 10196 | 35 | 20 | Circular | Holders: 10235, 10236, 10237 |
| | 10260 | 33.2 | 26.5 | | Holders: 10442, 10452, 10462, 10472, 10482, 10492 |
| | 10208 | 30.2 | 20 | | Holders: 10235, 10236, 10237, 10432, 10433, 10434, 10435 |
| | 10209 | 45.1 | 20 | | |
| | 10758 | 31.9 | 30 | | Holder: 10765 |
| | 10414 | 43 | 10 | Square | – |
| | 10413 | 30.4 | 10 | | |
| | 12684 | 31.4 | 54.5 | Circular | – |
| | 12685 | 46.7 | 54.5 | | |
| | 10170 | 75 | 20 | | Holders: 10235, 10236, 10237 |
| | 10374 | 45 | 20 | | |
| | 10255 | 80 | 20 | | |
| | 12586 | 55 | 20 | | |
| | 12813 | 47 | 25 | Square | – |
| | 12815 | 74 | 25 | | |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.

## ULTRA WIDE BEAM LENS

| Supplier | Part Number | Optic: Beam Angle ( ° )* | Optic: Diameter (mm) | Optic: Shape | Notes |
|---|---|---|---|---|---|
| Carclo Optics | 10628 | 108-124 | 20 | Round | – |
| | 10403 | 122-131 | | | |
| | 10406 | 133-144 | | | |
| | 10620 | 157-180 | | | |
| | 10627 | 106-116 | | | |
| | 12779 | 140 x 140 | 25 | Square | |

LED ASSOCIATIVE PRODUCTS

# Optics
## Single LED (continued)

LEDiL®

### ELLIPTICAL BEAM LENS

| Supplier | Part Number | Optic: Beam Angle ( ° )* | Optic: Diameter (mm) | Optic: Shape | Notes |
|---|---|---|---|---|---|
| LEDiL | CA11052_TINA2-O | 35 + 15 | 16.1 | Round | |
| | CA11484_LXP2-O-90 | 11 + 41 | 21.6 | | |
| | CP12942_LARISA-O-CLIP8 | 38 + 22 | 9.9 + 9.9 | Square | |
| | CP12943_LARISA-O-CLIP16 | | | | |
| | C13155_EMERALD-A | 160 + 66 | 21.6 | Round | |
| | CA13156_EMERALD-A | 153 + 64 | 21.6 | | |
| | C13529_VERONICA-O | 55 + 15 | 26 | | |
| | CA11365_LAURA-O | 39 + 14 | 21.6 x 21.6 | Square | |
| | CA12764_FLARE-MINI-A | 96 + 18 | 16 | Round | |
| | CA12838_FLARE-MINI-A-PIN | | | | |
| | C12868_FLARE-MAXI | 99 + 10 | 33.9 + 33.3 | Rectangular | |
| | CA13057_FLARE-MINI-AD | 100 + 20 | 16 | Round | |
| | CA13058_FLARE-MINI-AD-PIN | | | | |
| | CA14366_FLARE-MAXI-TAPE | 99 + 10 | 33.9 + 33.3 | Rectangular | |
| | C12828_EVA-O | 20.5 + 37 | 35 | Round | |
| | CP12857_EVA-O | | 37.7 | | |
| | CA12858_EVA-O | | 37.7 | | |
| | C13012_FLARE-MAXI-D | 102 + 25 | 33.9 + 33.3 | Rectangular | |
| | CA13726_VERONICA-SQ-O | 45 + 28 | 22.5 + 22.5 | Round | |
| | CA14367_FLARE-MAXI-D-TAPE | 102 + 25 | 33.9 + 33.3 | Rectangular | |
| | CA14403_EVA-O | 20.5 + 37 | 37.7 | Round | |
| | CA12815_HEIDI-O-90 | 13 + 54 | 21.6 | | |
| | FCN10805_LR1-REC | 36 + 20 | 21.6 | | |
| | FCX10854_RES-O | 42 + 13 | 21.6 + 21.6 | Square | |
| | CA10932_FLARE-B | 101 + 14 | 29 x 22.8 | Rectangular | |
| | C10946_FLARE-B | 11 + 93 | 29 x 23 | | |
| | FCN11106_LR1-O-90 | 38 + 15.5 | 21.6 | Round | |
| | FP11122_LISA2-O-CLIP | 48 + 19 | 9.9 | | |
| | FP11126_LISA2-O-PIN | 48 + 19 | 9.9 | | |
| | FA11203_TINA-O | 34 + 18 | 16.1 | | |
| | CX11364_LAURA-O | 41 + 12 | 21.6 x 21.6 | Square | |
| | CA11389_EMILY-O | 44 + 10 | 26 | Round | |
| | CA11390_EMILY-O-90 | 9 + 45 | 26 | | |
| | CA11640_LR2-O-90 | 42 + 10 | 21.6 | | |
| | FP11853_LISA2-O-90-PIN | 48 + 19 | 9.9 | | |
| | FP11858_LISA2-O-90-CLIP | 48 + 19 | 9.9 | | |
| | FA11870_TINA3-OO | 58 + 38 | 16.3 | | |
| | CA12012_LAURA-O-PIN | 41 + 12 | 21.6 x 21.6 | Square | |
| | CP12635_LAURA-O-PG | 41 + 12 | | | |
| | CA13272_LAURA-O-WAS | Asymmetric | | | |
| | CA13307_LAURA-O-WAS-PIN | Asymmetric | | | |
| | CP13308_LAURA-O-WAS-PG | Asymmetric | | | |
| | CA14197_HEIDI-REC-90 | 42 + 59 | 21.6 | Round | |
| | CA12066_EMILY-O | 44 + 10 | 26 | | |
| | CA12068_EMILY-O-90 | 44 + 10 | 26 | | |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.



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### ELLIPTICAL BEAM LENS *(continued)*

| Supplier | Part Number | Optic: Beam Angle ( ° )* | Optic: Diameter (mm) | Optic: Shape | Notes |
|---|---|---|---|---|---|
| LEDiL | CA12629_LR2-O-90 | 13 + 36 | 21.6 | Round | |
| | CA12949_HEIDI-O | 53 + 12 | 21.6 | | |
| | CA13180_TINA3-OO | 57 + 40 | 16.1 | | |
| | CA11266_HEIDI-O | 52 + 12 | 21.6 | | |
| | CA12429_TINA3-OO | 58 + 40 | 16,1 | | |
| | CA13631_G2-LAURA-O-P | 40 + 15 | 21.6 x 21.6 | Square | |
| | CA13637_G2-LAURA-O90-P | 15 + 41 | | | |
| | FP11121_LISA2-O-CLIP | 50 + 19 | 9.9 | Round | |
| | FP11125_LISA2-O-PIN | 50 + 19 | | | |
| | FP11851_LISA2-O-90-PIN | 18 + 49 | | | |
| | FP11856_LISA2-O-90-CLIP | 18 + 49 | | | |
| | CA13177_RITA-WAS | Asymmetric | 31.9 x 28.4 | Rectangular | |
| | FCA13329_BILLIE-A | Asymmetric | 21.5 | Round | |
| | CA12379_TINA2-O | 36 + 13 | 16 | | |
| | CN14811_WINNIE-O | 60 + 25 | 49.8 | Round | |
| | FN15380_RONDA-WAS | Asymmetric | 69.9 | | |
| | FN15622_RONDA-REC-60 | 60 | 69.9 | | |
| | FN15733_RONDA-ZT45-B | Asymmetric | 69.9 | | |
| | FCN15791_RONDA-REC-90 | 90 | 69.9 | | |
| | FCN15314_RONDA-WAS | Asymmetric | 69.9 | | |
| | FCN15366_RONDA-ZT45 | Asymmetric | 69.9 | | |
| | FN15388_RONDA-ZT45 | Asymmetric | 69.9 | | |
| | FCN15209_RONDA-WAS | Asymmetric | 69.9 | | |
| | CP15306_LARISA-O-PIN | 40 + 18 | 9.9 x 9.9 | Rectangular | |
| | FCN15357_RONDA-ZT45 | Asymmetric | 69.9 | Round | |
| | FC15458_FLORENTINA-1-O-60 | 44 + 17 | 39.7 x 39.7 | Rectangular | |
| | FN15731_RONDA-WAS-B | Asymmetric | 69.9 | Round | |
| | FN15738_RONDA-REC-60-B | 60 | 69.9 | | |
| | FCN15739_RONDA-REC-60 | 63 + 63 | 69.9 | | |
| | FCN15740_RONDA-REC-60 | 61 + 61 | 69.9 | | |
| | FN15789_RONDA-REC-90 | 80 | 69.9 | | |
| | FCN15790_RONDA-REC-90 | 76 | 69.9 | | |
| | FN15792_RONDA-REC-90-B | 81 | 69.9 | | |
| Carclo Optics | 10415 | 46 x 19, 43.9 x 23 | 10 | Square | — |
| | 10198 | 12.2 x 47.7 | 20 | Circular | Holders: 10235, 10236, 10237, 10432, 10433, 10434, 10435 |
| | 10197 | 40 x 10, 47.5 x 11.9 | | | Holders: 10235, 10236, 10237 |
| | 10049 | 43.5 x 7.1 | 26.5 | | Holders: 10442, 10452, 10462, 10472, 10482, 10492 |
| | 10224 | 47.7 x 7.9, 43.2 x 9.1 | | | |
| | 10234 | 44.4 x 6.6, 45.5 x 8.8 | | | |
| | 10759 | 48.5 x 6.8 | 30 | | Holder: 10765 |
| | 10760 | 6.8 x 48.5 | | | |
| | 12817 | 80 x 30 | 25 | Square | — |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.

LED ASSOCIATIVE PRODUCTS

LEDiL carclo Optics

## TRIPLE OPTIC HOLDER FOR 20MM OPTICS

| Supplier | Part Number | Diameter (mm) | Shape | Leg Pin Length | Color |
|---|---|---|---|---|---|
| Carclo Optics | 10309 | 50 | Circular | Short Leg (0.8mm pin) | Black |

## TRI-LENS NARROW BEAM

| Supplier | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape | Notes |
|---|---|---|---|---|---|
| LEDiL | C13234_SATU-S | 24 | 21.8 | Round | H35C4 |
| | C13234_SATU-S | 27 | 21.8 | | |
| | C10754_CUTE-3-SS | 14 | 35 | | LUXEON Rebel |
| | C10754_CUTE-3-SS | 12 | 35 | | |
| | C10891_GT3-S | 16 | 35 | | |
| | C11192_TULIA-3-SS | 12 | 50 | | |
| | C10891_GT3-S | 21 | 35 | | LUXEON Rebel ES |
| | C11192_TULIA-3-SS | 13 | 50 | | |
| | C11333_CUTE-3-SS | 13 | 35 | | |
| | C11606_ANNA-50-3-S | 18 | 50 | | |
| | C11710_ANNA-40-3-S | 18 | 40 | | |
| | C11333_CUTE-3-SS | 15 | 35 | | LUXEON T |
| | C13234_SATU-S | 27 | 21.8 | | |
| | C11333_CUTE-3-SS | 14 | 35 | | LUXEON TX |
| | C13234_SATU-S | 26 | 21.8 | | |
| Carclo Optics | 10507 | 18 | 20 | Circular | — |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.

## TRI-LENS MEDIUM BEAM

| Supplier | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape | Notes |
|---|---|---|---|---|---|
| LEDiL | C10755_CUTE-3-M | 25 | 35 | Round | |
| | C13095_MELODY-3-M | 33 | 50,6 | | H35C4 |
| | C10755_CUTE-3-M | 23 | 35 | | LUXEON Rebel |
| | C11711_ANNA-40-3-M | 27 | 40 | | LUXEON Rebel ES |
| | C12150_TULIA-3-M2 | 36 | 50 | | |
| | C13095_MELODY-3-M | 37 | 50,6 | | |
| | C11334_CUTE-3-M | 23 | 35 | | LUXEON T |
| | C13095_MELODY-3-M | 37 | 50,6 | | |
| | C11334_CUTE-3-M | 25 | 35 | | LUXEON TX |
| | C13095_MELODY-3-M | 31 | 50,6 | | |
| Carclo Optics | 10508<br>10511 | 22 | 20 | Circular | |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.





LEDiL carclo Optics

## TRI-LENS WIDE BEAM

| Supplier | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape | Notes |
|---|---|---|---|---|---|
| LEDiL | C10893_GT3-W | 38 | 35 | Round | LUXEON Rebel |
| | C11191_TULIA-3-W | 48 | 50 | | |
| | C11544_SATU-W | 32 | 21.8 | | |
| | C11608_ANNA-50-3-W | 30 | 50 | | |
| | C11624_GT3-WW | 46 | 35 | | |
| | C11712_ANNA-40-3-W | 30 | 40 | | |
| | C10756_CUTE-3-W | 41 | 35 | | LUXEON Rebel ES |
| | C10893_GT3-W | 44 | 35 | | |
| | C11191_TULIA-3-W | 56 | 50 | | |
| | C11608_ANNA-50-3-W | 29 | 50 | | |
| | C11624_GT3-WW | 42 | 35 | | |
| | C11712_ANNA-40-3-W | 29 | 40 | | |
| Carclo Optics | 10509 | 40 | 20 | Circular | — |
| | 12780 | 140 | 25 | Rectangular | — |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.

## TRI-LENS ELLIPTICAL BEAM

| Supplier | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape | Notes |
|---|---|---|---|---|---|
| LEDiL | C13297_SATU-O | 39 + 24 | 21.8 | Round | H35C4 |
| | C13297_SATU-O | 39 + 25 | | | |
| | C11917_SATU-O | 19 + 44 | | | LUXEON Rebel |
| | C11917_SATU-O | 26 + 42 | | | LUXEON Rebel ES |
| | C13297_SATU-O | 40 + 24 | | | LUXEON T |
| | C13297_SATU-O | 40 + 25 | | | LUXEON TX |
| Carclo Optics | 10510 | 46 x 19 | 20 | Circular | — |
| | 12764 | 150 x 90 | 25 | Rectangular | — |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.

LEDiL carclo Optics

## QUAD-LENS NARROW BEAM

| Supplier | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape |
|---|---|---|---|---|
| LEDiL | C10971_GT4-S | 16 | 35 | Round |
| | C14678_LUCIA-S | 10 | 90 x 90 | Rectangular |
| | C15013_LUCIA-D | 10 | | |
| | FC14971_FLORENTINA-2X2-RS | 16 | 96 x 96 | |
| | FC14970_FLORENTINA-2X2-SS | 20 | | |
| | FC14972_FLORENTINA-2X2-D | 19 | | |
| | C11793_ANNA-40-4-S | 13 | 40 | Round |
| | C11799_ANNA-50-4-S | 13 | 50 | |
| | C13736_MELODY-4-S | 11 | 50.6 | |
| | C10921_GT4-S | 28 | 35 | |
| | C12285_ANGIE-S | 15 | 34 | |
| | FC15696_FLORENTINA-4X1-SS-WHT | 17 | 175.57 x 55.57 | Rectangular |
| | FC15698_FLORENTINA-4X1-D-WHT | 17 | 175.57 x 55.57 | |
| | FCP15704_FLORENTINA-2X2-MRK-S | 29 | 95,57 x 95,57 | |
| | FC15349_FLORENTINA-4X1-SS | 17 | 175.57 x 55.57 | |
| | FC15350_FLORENTINA-4X1-RS | 11 | 175.57 x 55.57 | |
| | FC15351_FLORENTINA-4X1-D | | 175.57 x 55.57 | |
| | FC15461_FLORENTINA-2X2-OPEN-SS | 16 | 92.14 x 92.14 | |
| | FC15462_FLORENTINA-2X2-OPEN-RS | 10 | 92.14 x 92.14 | |
| | FC15464_FLORENTINA-2X2-OPEN-D | 15 | 92.14 x 92.14 | |
| | FC15661_FLORENTINA-2X2-SS-WHT | 20 | 95.57 x 95.57 | |
| | FC15662_FLORENTINA-2X2-RS-WHT | 10 | 95.57 x 95.57 | |
| | FC15663_FLORENTINA-2X2-D-WHT | 20 | 95.57 x 95.57 | |
| | FC15697_FLORENTINA-4X1-RS-WHT | 11 | 175.57 x 55.57 | |
| | FC15712_FLORENTINA-2X2-MRK-S | 29 | 95.57 x 95.57 | |
| | FC15718_FLORENTINA-2X2-MRK-S-WHT | 29 | 95.57 x 95.57 | |
| | FC15724_FLORENTINA-2X2-MRK-OPEN-S | 29 | 92.14 x 92.14 | |
| Carclo Optics | 10610 | 18 | 20 | Square |
| | 10611 | 18 | | |
| | 10621 | 18 | 24 | Circular |
| | 10622 | 19 | | |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.





LEDiL carclo Optics

## QUAD-LENS MEDIUM BEAM

| Supplier | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape |
|---|---|---|---|---|
| LEDiL | C12361_HB-2X2-W | 53 | 50 x 50 | Square |
| | FC14973_FLORENTINA-2X2-M | 30 | 96 x 96 | Rectangular |
| | C13233_HB-2X2-M | 29 | 50 x 50 | Square |
| | C13239_HB-2X2-M-BLIND | 29 | | |
| | C10812_CUTE-4-M | 19 | 35 | Round |
| | C10972_GT4-M | 26 | 35 | |
| | C11794_ANNA-40-4-M | 18 | 40 | |
| | C11800_ANNA-50-4-M | 18 | 50 | |
| | C12782_MELODY-4-M | 29 | 50.6 | |
| | C10922_GT4-M | 31 | 35 | |
| | C12286_ANGIE-M | 22 | 34 | |
| | C12287_ANGIE-M2 | 27 | 34 | |
| | FC15699_FLORENTINA-4X1-M-WHT | 30 | 175.57 x 55.57 | Rectangular |
| | FC15725_FLORENTINA-2X2-MRK-OPEN-M | 41 | 92.14 x 92.14 | |
| | FCP15705_FLORENTINA-2X2-MRK-M | 43 | 95.57 x 95.57 | |
| | FC15352_FLORENTINA-4X1-M | 30 | 175.57 x 55.57 | |
| | FC15465_FLORENTINA-2X2-OPEN-M | 30 | 92.14 x 92.14 | |
| | FC15664_FLORENTINA-2X2-M-WHT | 29 | 95.57 x 95.57 | |
| Carclo Optics | 10623 | 28 | 24 | Circular |
| | 10612 | 28.3 | 20 | Square |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.

## QUAD-LENS WIDE BEAM

| Supplier | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape |
|---|---|---|---|---|
| Carclo Optics | 10624 | 42.8 | 24 | Circular |
| | 10613 | 46 | 20 | Square |
| | 12814 | 47 | 50 | |
| | 12816 | 74 | 50 | |
| | 12781 | 140 | 50 | |
| LEDiL | C13232_HB-2X2-WW | 68 | 50 x 50 | Square |
| | FC14975_FLORENTINA-2X2-W | 49 | 96 x 96 | Rectangular |
| | C13237_HB-2X2-WW-BLIND | 68 | 50 x 50 | Square |
| | C10973_GT4-W | 38 | 35 | Round |
| | C10974_GT4-WW | 60 | 35 | |
| | C11795_ANNA-40-4-W | 30 | 40 | |
| | C11801_ANNA-50-4-W | 30 | 50 | |
| | C10923_GT4-W | 33 | 35 | |
| | C12288_ANGIE-W | 29 | 34 | |

LEDiL® carclo Optics

## QUAD-LENS WIDE BEAM *(continued)*

| Supplier | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape |
|---|---|---|---|---|
| LEDiL | FC15700_FLORENTINA-4X1-O-WHT | 44 + 16 | 175.57 x 55.57 | Rectangular |
| | FC15701_FLORENTINA-4X1-W-WHT | 39 | 175.57 x 55.57 | |
| | FCP15706_FLORENTINA-2X2-MRK-W | 56 | 95.57 x 95.57 | |
| | FC14974_FLORENTINA-2X2-O | 44 + 17 | 95.57 x 95.57 | |
| | FC15353_FLORENTINA-4X1-O | 44 + 16 | 175.57 x 55.57 | |
| | FC15354_FLORENTINA-4X1-W | 39 | 175.57 x 55.57 | |
| | FC15466_FLORENTINA-2X2-OPEN-O | 46 + 15 | 92.14 x 92.14 | |
| | FC15467_FLORENTINA-2X2-OPEN-W | 41 | 92.14 x 92.14 | |
| | FC15665_FLORENTINA-2X2-O-WHT | 44 + 18 | 95.57 x 95.57 | |
| | FC15666_FLORENTINA-2X2-W-WHT | 37 | 95.57 x 95.57 | |
| | FC15714_FLORENTINA-2X2-MRK-W | 54 | 95.57 x 95.57 | |
| | FC15720_FLORENTINA-2X2-MRK-W-WHT | 55 | 95.57 x 95.57 | |
| | FC15726_FLORENTINA-2X2-MRK-OPEN-W | 55 | 92.14 x 92.14 | |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.

## QUAD-LENS ELLIPTICAL BEAM

| Supplier | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape |
|---|---|---|---|---|
| Carclo Optics | 12765 | 150 x 90 | 50 | Square |
| | 12818 | 80 x 30 | | |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.

## LINEAR

| Supplier | Part Number | Beam Angle ( ° )* | Diameter (mm) | Length (mm) | Shape |
|---|---|---|---|---|---|
| Carclo Optics | 10397 | 38, 34, 30.7 | 10 | 1200 | Linear |
| | 10398 | 38, 34, 30.7 | 10 | 300 | |
| | 12667 | 11 | 28 | 600 | |
| | 12750 | 11 | 28 | 300 | |
| | 12752 | 157, 166 | 15 | 300 | |
| | 12874 | 157, 166 | 15 | 1200 | |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.





LEDiL® carclo Optics

## 5-CELL OPTICS

| Supplier | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape |
|---|---|---|---|---|
| LEDiL | C11612_ANNA-50-5-S | 13 | 50 | Round |
| | C11613_ANNA-50-5-M | 18 | 50 | |
| | C11614_ANNA-50-5-W | 30 | 50 | |
| | C11713_ANNA-40-5-S | 13 | 40 | |
| | C11714_ANNA-40-5-M | 18 | 40 | |
| | C11715_ANNA-40-5-W | 30 | 40 | |
| | C12345_HB-5X1-W | 43 | 123 + 25 | Rectangular |

*Consult manufacturer website for actual beam angle in accordance with the type of LED/Array in use.

## 6-CELL OPTICS

| Supplier | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape |
|---|---|---|---|---|
| LEDiL | C11805_ANNA-40-6-S | 13 | 40 | Round |
| | C11806_ANNA-40-6-M | 18 | | |
| | C11807_ANNA-40-6-W | 30 | | |
| | C11811_ANNA-50-6-S | 13 | 50 | |
| | C11812_ANNA-50-6-M | 18 | | |
| | C11813_ANNA-50-6-W | 30 | | |
| Carclo Optics | 10604 | 31, 25, 20, 18, 16, 12 | 10 | Rectangular |
| | 12766 | 150 x 90 | 50 | |
| | 12770 | 152 x 56 x 30 | | |
| | 12774 | 144 x 30 x 28 | | |
| | 12782 | 140 x 140 | | |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.

## 7-CELL OPTICS

| Supplier | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape |
|---|---|---|---|---|
| LEDiL | C13483_ANNA-40-7-S | 13 | 40 | Round |
| | C13484_ANNA-40-7-M | 16 | 40 | |
| | C13485_ANNA-40-7-W | 18 | 40 | |
| | C11230_RER-7-W | 39 | 38 | |
| | C11231_RER-7-WW | 53 | 38 | |
| | C11670_ANNA-50-7-S | 13 | 50 | |
| | C11679_ANNA-50-7-M | 18 | 50 | |
| | C11682_ANNA-50-7-W | 30 | 50 | |
| | C11716_ANNA-40-7-S | 13 | 40 | |
| | C11717_ANNA-40-7-M | 18 | 40 | |
| | C11718_ANNA-40-7-W | 30 | 40 | |
| | C12771_RER-7-S | 19 | 38 | |

*Consult manufacturer website for actual beam angle in accordance with the type of LED/Array in use.

LED ASSOCIATIVE PRODUCTS

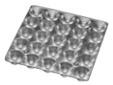
# Optics
## Multiple LED (continued)

LEDiL®

### 12-CELL OPTICS

| Supplier | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape |
|---|---|---|---|---|
| LEDiL | C11700_SANDRA-12-W | 30 | 67 | Round |
| | C11814_SANDRA-12-M | 26 | | |
| | C13869_VANESSA-B-S | 19 | 295 x 16 | Rectangular |
| | C13870_VANESSA-B-W | 36 | | |
| | CC14855_FLORENTINA-RS | 14 | 28.81 x 286.8 | |
| | CC14999_FLORENTINA-SS | 20 | | |
| | CC15000_FLORENTINA-M | 26 | | |
| | CC15001_FLORENTINA-O | 33 + 15 | | |
| | CC15002_FLORENTINA-D | 15 | | |
| | FC15003_FLORENTINA-W | 33 | | |
| | FC15004_FLORENTINA-WW | 38 | | |

*Consult manufacturer website for actual beam angle in accordance with the type of LED/Array in use.



### 25-CELL OPTICS

| Supplier | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape |
|---|---|---|---|---|
| LEDiL | C12608_VIRPI-M | 28 | 74.9 x 74.9 | Square |
| | C12609_VIRPI-W | 34 | | |
| | C12607_VIRPI-S | 16 | | |

*Consult manufacturer website for actual beam angle in accordance with the type of LED/Array in use.

carclo Optics

### 33-CELL OPTICS

| Supplier | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape |
|---|---|---|---|---|
| Carclo Optics | 12924 | 30 | 61 | Rectangular |
| | 12926 | | | |
| | 12939 | | | |
| | 12950 | | | |
| | 12959 | | | |
| | 12960 | | | |
| | 12961 | | | |
| | 12962 | | | |
| | 12927 | 60 | | |
| | 12928 | | | |
| | 12940 | | | |
| | 12951 | | | |
| | 12963 | | | |
| | 12964 | | | |
| | 12965 | | | |
| | 12966 | | | |
| | 12917 | 90 | | |
| | 12913 | | | |
| | 12938 | | | |
| | 12952 | | | |
| | 12967 | | | |
| | 12968 | | | |
| | 12969 | | | |
| | 12970 | | | |
| | 12954 | DA 40 | | |
| | 12955 | | | |
| | 12956 | | | |
| | 12957 | | | |
| | 12971 | | | |
| | 12972 | | | |
| | 12973 | | | |
| | 12974 | | | |

*Consult manufacturer website for actual beam angle in accordance with the type of LED/Array in use.

LEDiL® carclo Optics

## IP RATED LENSES

| Supplier | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape |
|---|---|---|---|---|
| Carclo Optics | 10770 | 18 | 10 | Square |
| | 10772 | 25 | | |
| | 10773 | 35 | | |
| | 10774 | 18 x 45 | | |
| | 12077 | 18 | | |
| | 12084 | 25 | | |
| | 12085 | 35 | | |
| | 12086 | 18 x 45 | | |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.

## LUXEON M OPTICS

| Supplier | Beam Type | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape |
|---|---|---|---|---|---|
| Carclo Optics | Type I Optic | 12587 | * | 26 | Freeform |
| | Type II Optic | 12586 | * | 20 | |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.

## ULTRA-NARROW OPTICS

| Supplier | Optic | | | | Notes |
|---|---|---|---|---|---|
| | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape | |
| LEDiL | FCP13895_SEANNA-A | 1.3 | 152.6 | Round | LUXEON Rebel |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.

## SIDE EMITTING LENSES

| Supplier | Optic | | | | Notes |
|---|---|---|---|---|---|
| | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape | |
| LEDiL | C13055_EMMA-360 | 170 | 9.9 x 9.9 | Square | LUXEON 3535 |
| Carclo Optics | 10267 | N/A | 20 | Circular | — |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.





LEDiL® carclo Optics

## ULTRA-WIDE ANGLE AND BACKLIGHTING OPTICS

| Supplier | Optic | | | | Notes |
|---|---|---|---|---|---|
| | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape | |
| LEDiL | F11947_JULIA-A | 96 + 154 | 18.86 | Round | LUXEON Rebel |
| | FA11948_JULIA-A | 96 + 154 | 18.8 | | |
| | C12353_LOTTA-A2 | 92 + 170 | 20 + 15 | Rectangular | LUXEON Rebel ES |
| | CA12396_LOTTA-A2 | 92 + 170 | 20 + 15 | | |
| | CA13362_STRADA-SQ-VSM | 148 | 25 | | LUXEON TX |
| | C13746_KIKI-A | 165 | 21.6 + 14 | | LUXEON T |
| | CA13747_KIKI-A | 162 | 21.6 + 14 | | LUXEON T |
| | C13858_STRADA-2X2-XW | Asymmetric | 50 x 50 | | LUXEON T |
| | F14325_JENNY-8X1-CY | 104 + 104 | 280 + 35 | | LUXEON M |
| | C14522_EMERALD-MAXI-A | Asymmetric | 33 x 25 | | LUXEON MZ |
| | CA14523_EMERALD-MAXI-A | Asymmetric | 33 x 25 | | LUXEON M |
| | F14531_JENNY-CY | 110 + 110 | 35 + 35 | | V6 |
| | FP15073_ZORYA-SC-50 | 263 | 56 | Round | LUXEON CoB 1204/1205 |
| Carclo Optics | 10403 | 120 | 19.7 | Circular | — |
| | 10406 | 130 | | | |
| | 10620 | 180 | | | |
| | 10628 | 100 | | | |
| | 10406 | 130 | | | |
| | 10620 | 180 | | | |
| | 12779 | 140 | 25 x 25 | Square | |
| | 12780 | 140 | 75 x 25 | Rectangular | |
| | 12781 | 140 | 50 x 50 | Square | |
| | 12782 | 140 | 75 x 50 | Rectangular | |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.

## COLOR-MIXING OPTICS

| Supplier | Optic | | | | Notes |
|---|---|---|---|---|---|
| | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape | |
| LEDiL | CN13741_GERI-RZ | 17 | 45 x 45 | Square | LUXEON Z RGB |
| Carclo Optics | 10200 | * | 20 | Circular | Narrow Spot |
| | 10201 | * | 20 | | Medium Spot |
| | 10202 | * | 20 | | Wide Spot |
| | 10195 | * | 20 | | Medium Spot |
| | 10196 | * | 20 | | Wide Spot |
| | 10124 | * | 26.5 | | Narrow Spot |
| | 10392 | * | 26.5 | | Narrow Spot |
| | 10108 | * | 26.5 | | Medium Spot |
| | 10393 | * | 26.5 | | Medium Spot |
| | 10260 | * | 26.5 | | Wide Spot |
| | 10394 | * | 26.5 | | Wide Spot |
| | 10756 | * | 30 | | Narrow Spot |
| | 10757 | * | 30 | | Medium Spot |
| | 10758 | * | 30 | | Wide Spot |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.

carclo Optics

## MINI HUBBLE FREE FORM

| Supplier | Beam Type | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape |
|---|---|---|---|---|---|
| Carclo Optics | Elliptical Type I | 12763 | * | 25 x 25 | Square |
| | Asymmetrical Type II | 12767 | * | | |
| | Asymmetrical Type III | 12771 | * | | |
| | Square Type V | 12779 | * | | |
| | Medium Spot Bubble | 12813 | * | | |
| | Wide Spot Bubble | 12815 | * | | |
| | Elliptical Freeform | 12817 | * | | |
| | Elliptical Type I | 12765 | * | 50 x 50 | 2 x 2 array |
| | Asymmetrical Type II | 12769 | * | | |
| | Asymmetrical Type III | 12773 | * | | |
| | Square Type V | 12781 | * | | |
| | Medium Spot Bubble | 12814 | * | | |
| | Wide Spot Bubble | 12816 | * | | |
| | Elliptical Freeform | 12818 | * | | |
| | Elliptical Type I | 12764 | * | 75 x 25 | 1 x 3 array |
| | Asymmetrical Type II | 12768 | * | | |
| | Asymmetrical Type III | 12772 | * | | |
| | Square Type V | 12780 | * | | |
| | Elliptical Type I | 12766 | * | 75 x 50 | 2 x 3 array |
| | Asymmetrical Type II | 12770 | * | | |
| | Asymmetrical Type III | 12774 | * | | |
| | Square Type V | 12782 | * | | |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.

## STREETLIGHT OPTICAL SOLUTIONS

| Supplier | Beam Type | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape |
|---|---|---|---|---|---|
| Carclo Optics | Elliptical Type I | 12763 | * | 25 x 25 | Square |
| | Asymmetrical Type II | 12767 | * | | |
| | Asymmetrical Type III | 12771 | * | | |
| | Square Type V | 12779 | * | | |
| | Elliptical Type I | 12765 | * | 50 x 50 | 2 x 2 array |
| | Asymmetrical Type II | 12769 | * | | |
| | Asymmetrical Type III | 12773 | * | | |
| | Square Type V | 12781 | * | | |
| | Elliptical Type I | 12764 | * | 75 x 25 | 1 x 3 array |
| | Asymmetrical Type II | 12768 | * | | |
| | Asymmetrical Type III | 12772 | * | | |
| | Square Type V | 12780 | * | | |
| | Elliptical Type I | 12766 | * | 75 x 50 | 2 x 3 array |
| | Asymmetrical Type II | 12770 | * | | |
| | Asymmetrical Type III | 12774 | * | | |
| | Square Type V | 12782 | * | | |
| | Asymmetrical Wide Freeform | 12821 | * | 203 x 63 | 84 array |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.

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## STREET AND AREA LIGHTING SINGLE LENSES

| Supplier | Part Number | Optic: Beam Angle ( ° )* | Optic: Diameter (mm) | Optic: Shape | Notes |
|---|---|---|---|---|---|
| LEDiL | CA11416_STRADA-T-DN | Asymmetric | 19.8 x 15.5 | Rectangular | H35C4 |
| | CA11426_STRADA-T-DW | Asymmetric | 19.6 x 15.5 | | |
| | CA11817_STRADA-SQ-T-DN | Asymmetric | 25+25 | Square | |
| | CA11819_STRADA-SQ-T-DW | Asymmetric | 25+25 | | |
| | CA12050_STRADA-FT | Asymmetric | 15.4 x 19.6 | Rectangular | |
| | CA12087_STRADA-FW | Asymmetric | 15.4 x 19.6 | | |
| | CA10823_STRADA-A | 82+139 | 19.6 + 15.4 | Rectangular | |
| | CA10927_STRADA-B | 112+43 | 19.6 + 15.5 | | |
| | CA10950_STRADA-B2 | 113+47 | 19.6+15.5 | | |
| | CA11253_STRADA-C2 | 128 | 19.6 x 15.6 | | |
| | CA11256_STRADA-DW | 86+147 | 19.6 x 15.7 | | |
| | 2FA11992_STRADA-T-DN-EP | Asymmetric | 19.8 x 15.5 | | |
| | 2FA11993_STRADA-T-DW-EP | Asymmetric | 19.6 x 15.5 | | |
| | CA12220_STRADA-A2 | 82+143 | 19.6 + 15.4 | | |
| | CA12787_STRADA-K | Asymmetric | 19.6 + 15.5 | | |
| | C12726_STRADA-SQ-T-DWC | Asymmetric | 25 x 25 | Square | |
| | C12727_STRADA-SQ-VSM | 151 | 25 x 25 | | |
| | C10949_STRADA-B2 | 112+52 | 19.6 + 15.5 | Rectangular | LUXEON M |
| | C11252_STRADA-C2 | 120 | 19.6 x 15.5 | | |
| | C11255_STRADA-DW | 86+140 | 19.6 x 15.7 | | |
| | C11415_STRADA-T-DN | Asymmetric | 19.8 x 15.5 | | |
| | C11425_STRADA-T-DW | Asymmetric | 19.6 x 15.5 | | |
| | C11889_STRADA-SQ-T-DN | Asymmetric | 25 + 25 | Square | |
| | 2F11898_STRADA-T-DW-EP | Asymmetric | 19.6 x 15.5 | Rectangular | |
| | C12049_STRADA-FT | Asymmetric | 15.4 x 19.6 | | |
| | C12219_STRADA-A2 | 74+ 144 | 19.6 + 15.4 | | |
| | C12410_STRADA-SQ-A-T | Asymmetric | 25 + 25 | Square | |
| | CA12411_STRADA-SQ-A-T | Asymmetric | 25 + 25 | | |
| | CA12889_STRADA-SQ-T-DWC | Asymmetric | 25 x 25 | | |
| | CA12891_STRADA-SQ-VSM | 154 | 25 x 25 | | |
| | C13118_STRADA-SQ-A-T | Asymmetric | 25 + 25 | | |
| | CA13119_STRADA-SQ-A-T | Asymmetric | 25 + 25 | | |
| | C13508_STRADA-SQ-T2 | Asymmetric | 25 x 25 | | |
| | CA13509_STRADA-SQ-T2 | Asymmetric | 25 x 25 | | |
| | C13687_STRADA-SQ-T3 | Asymmetric | 25 x 25 | | |
| | CA13688_STRADA-SQ-T3 | Asymmetric | 25 x 25 | | |
| | C13751_STRADA-SQ-FW | Asymmetric | 25 + 25 | | |
| | CA13752_STRADA-SQ-FT | Asymmetric | 25 + 25 | | |
| | CA13753_STRADA-SQ-FW | Asymmetric | 25+25 | | |
| | C13757_STRADA-SQ-FS-NP | Asymmetric | 25 x 25 | | |
| | CA13758_STRADA-SQ-FS-NP | Asymmetric | 25 x 25 | | |
| | C13866_STRADA-SQ-CY | 120+115 | 25 x 25 | | |
| | C13896_STRADA-SQ-FS | Asymmetric | 25 x 25 | | |
| | CA13897_STRADA-SQ-FS | Asymmetric | 25 x 25 | | |
| | CA14120_STRADA-SQ-FS2 | Asymmetric | 25 x 25 | | |
| | CA14949_STRADA-SQ-T3B | Asymmetric | 25 x 25 | | |


LED ASSOCIATIVE PRODUCTS

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## STREET AND AREA LIGHTING SINGLE LENSES *(continued)*

| Supplier | Optic | | | | Notes |
|---|---|---|---|---|---|
| | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape | |
| LEDiL | CA14745_STRADA-SQ-ANZ-V | Asymmetric | 25 x 25 | Square | LUXEON M |
| | CA14744_STRADA-SQ-ANZ-P | Asymmetric | | | |
| | C14020_STRADA-SQ-ME | Asymmetric | | | |
| | CA14026_STRADA-SQ-ME | Asymmetric | | | |
| | C14031_STRADA-SQ-T4 | Asymmetric | | | |
| | CA14032_STRADA-SQ-T4 | Asymmetric | | | |
| | C14119_STRADA-SQ-FS2 | Asymmetric | | | |
| | CA14120_STRADA-SQ-FS2 | Asymmetric | | | |
| | C14121_STRADA-SQ-FS2-NP | Asymmetric | | | |
| | CA14122_STRADA-SQ-FS2-NP | Asymmetric | | | |
| | CA14219_STRADA-SQ-CY | 120+115 | | | |
| | C14321_STRADA-SQ-T2-NP | Asymmetric | | | |
| | CA14323_STRADA-SQ-T2-NP | Asymmetric | | | |
| | C14613_FLARE-MAXI-T | 82+21 | 43 x 28.4 | Rectangular | |
| | 2F11896_STRADA-T-DN-EP | Asymmetric | 19.8 x 15.5 | | LUXEON Rebel |
| | C12086_STRADA-FW | Asymmetric | 15.4 x 19.6 | | |
| | C13500_STRADA-T-DW | Asymmetric | 19.6 x 15.5 | | LUXEON T |
| | CA13501_STRADA-T-DW | Asymmetric | 19.5 x 15.5 | | |

*Consult manufacturer website for actual beam angle in accordance with the type of LED/Array in use.

## 2X2-STREET AND AREA LIGHTING MODULES

| Supplier | Optic | | | | Notes |
|---|---|---|---|---|---|
| | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape | |
| LEDiL | C12360_STRADA-2X2-DNW | Asymmetric | 50 x 50 | Square | H35C4 |
| | C15021_STRADA-2X2-SCL | Asymmetric | 50 x 50 | | LUXEON TX |
| | C14896_STRADA-2X2-PXL | Asymmetric | 50 x 50 | | LUXEON MZ |
| | C15014_STRADA-2X2-T4-B | Asymmetric | 50 x 50 | | LUXEON TX |
| | CS14632_STRADA-2X2MX-DWC | Asymmetric | 90 x 90 | | LUXEON M/MZ |
| | CS14764_STRADA-2X2MX-VSM | Asymmetric | 90 x 90 | | |
| | CS14713_HB-2X2MX-W | 50.00 | 90 x 90 | | LUXEON M |
| | CS14840_HB-2X2MX-M | 24.00 | 90 x 90 | | |
| | C12362_STRADA-2X2-DWC | Asymmetric | 50 x 50 | | H35C4 |
| | C12419_STRADA-2X2-A-T | Asymmetric | 50 x 50 | Rectangular | |
| | C13299_STRADA-2X2-ME | Asymmetric | 50 + 50 | Square | |
| | C13300_STRADA-2X2-T2 | Asymmetric | 50 + 50 | | |
| | C13301_STRADA-2X2-T3 | Asymmetric | 50 x 50 | | |
| | C14116_STRADA-2X2-PX | Asymmetric | 50 x 50 | | |
| | C13499_STRADA-2X2-CY | 122+124 | 50 x 50 | | LUXEON MZ |
| | C13604_STRADA-2X2-FN | Asymmetric | 50 + 50 | | |
| | C13805_STRADA-2X2-T4 | Asymmetric | 50 x 50 | | |
| | C13699_STRADA-2X2-DN | Asymmetric | 50 x 50 | | |
| | C14164_STRADA-2X2-ME-WIDE1 | Asymmetric | | | LUXEON T |





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## 2X2-STREET AND AREA LIGHTING MODULES *(continued)*

| Supplier | Optic | | | | Notes |
|---|---|---|---|---|---|
| | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape | |
| LEDiL | C12361_HB-2X2-W | 53 | 50 x 50 | Square | H35C4 |
| | C13233_HB-2X2-M | 29 | | | |
| | C13232_HB-2X2-WW | 68 | | | |
| | C13239_HB-2X2-M-BLIND | 29 | | | |
| | C13237_HB-2X2-WW-BLIND | 68 | | | |
| | C13749_HB-2X2-O | 28 + 10 | 50 + 50 | | LUXEON MZ |
| | C14724_HB-2X2-WWW | 94.00 | 50 x 50 | | |
| | C14750_STRADA-2X2-CAT | Asymmetric | 50 x 50 | | |
| | CS14839_HB-2X2MX-WWW | 78.00 | 90 x 90 | | LUXEON M |
| | CS14841_STRADA-2X2MX-SCL | Asymmetric | 90 x 90 | | |
| | C15217_STRADA-2X2-CAT-B | Asymmetric | 50 x 50 | | LUXEON 5050 |
| | C15135_STRADA-2X2-T1 | Asymmetric | 50 x 50 | | |
| | CS15389_STRADA-2X2MX-T2-S | Asymmetric | 90 x 90 | | LUXEON M |

*Consult manufacturer website for actual beam angle in accordance with the type of LED/Array in use.

## IP-2X6-STREET AND AREA LIGHTING MODULES

| Supplier | Optic | | | | Notes |
|---|---|---|---|---|---|
| | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape | |
| LEDiL | CS12862_STRADA-IP-2X6-DWC | Asymmetric | 173 x 71.4 | Rectangular | LUXEON Rebel ES |
| | CS14144_STRADA-IP-2X6-ME | Asymmetric | 173 x 71.4 | | LUXEON T/TX |
| | CS14055_STRADA-IP-2X6-T2 | Asymmetric | 71.4 x 173 | | LUXEON Rebel ES |
| | CS14143_STRADA-IP-2X6-T3 | Asymmetric | 71.4 x 173 | | LUXEON Z ES |
| | CS14145_STRADA-IP-2X6-DWC-90 | Asymmetric | 71.4 x 173 | | LUXEON T/TX, Rebel ES |
| | CS14895_HB-IP-2X6-RS | 14 | 71.4 x 173 | | LUXEON T/TX |
| | CS14597_HB-IP-2X6-O | 25 + 108 | 173 x 71.4 | | LUXEON Z ES |
| | CS14130_HB-IP-2X6-W | 58 | 173 + 71.4 | | |
| | CS14263_HB-IP-2X6-WWW | 91 | 71.4 x 173 | | LUXEON T |
| | CS14891_HB-IP-2X6-M | 29.00 | | | |
| | CS15020_STRADA-IP-2X6-VSM | Asymmetric | | | |
| | CS15158_STRADA-IP-2X6-T4-B | Asymmetric | | | |
| | CS15362_STRADA-IP-2X6-T3-B | Asymmetric | | | |
| | CS15363_STRADA-IP-2X6-T2-B | Asymmetric | | | |
| | CS15418_STRADA-IP-2X6-SCL | Asymmetric | | | |

*Consult manufacturer website for actual beam angle in accordance with the type of LED/Array in use.

# Optics
## Specialty Optics (continued)

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### SILICONE STREET AND AREA LIGHTING MODULES

| Supplier | Part Number | Optic: Beam Angle ( ° )* | Diameter (mm) | Shape | Notes |
|---|---|---|---|---|---|
| LEDiL | FN13323_STELLA-A | Asymmetric | 90 | Round | LUXEON CoB 1202/1203 |
| | F14934_STELLA-DWC2 | Asymmetric | | | VERO18 |
| | FN14720_STELLA-FRESNEL | 39.00 | | | LUXEON CoB 1216 |
| | FCN14412_STELLA-A | Asymmetric | | | V15 |
| | FCN14661_STELLA-A | Asymmetric | | | |
| | FN14645_STELLA-T4 | Asymmetric | | | VERO18 |
| | FN14074_STELLA-HB | 75 | | | |
| | FN15264_STELLA-HB-WWW | 103.00 | | | VERO29 |
| | FN15379_STELLA-VSM | Asymmetric | | | |
| | FN15186_STELLA-HB | 75.00 | | | |
| | FN15187_STELLA-T4 | Asymmetric | | | VERO18 |
| | FCN14875_JENNY-T4 | Asymmetric | 35 + 50 | Rectangular | |
| | FN14976_STELLA-DWC2 | Asymmetric | 90 | Round | VERO10 |
| | FN15188_STELLA-FRESNEL | 39.00 | | | Luxeon CoB 1216 |
| | FN15189_STELLA-DWC2 | Asymmetric | | | Vero SE 18 |

*Consult manufacturer website for actual beam angle in accordance with the type of LED/Array in use.

### STRADELLA-8-STREET AND AREA LIGHTING MODULES

| Supplier | Part Number | Optic: Beam Angle ( ° )* | Diameter (mm) | Shape | Notes |
|---|---|---|---|---|---|
| LEDiL | C15481_STRADELLA-8-VSM | Asymmetric | 50 x 50 | Square | |
| | C15034_STRADELLA-8-T2 | Asymmetric | | | |
| | C15035_STRADELLA-8-T3 | Asymmetric | | | |
| | C15183_STRADELLA-8-HB-S | 20 | | | |
| | C15184_STRADELLA-8-HB-M | 52 | | | |
| | C15185_STRADELLA-8-HB-W | 87 | | | |

*Consult manufacturer website for actual beam angle in accordance with the type of LED/Array in use.

### STRADELLA-9-STREET AND AREA LIGHTING MODULES

| Supplier | Part Number | Optic: Beam Angle ( ° )* | Diameter (mm) | Shape | Notes |
|---|---|---|---|---|---|
| LEDiL | C15058_STRADELLA-9-AT | Asymmetric | 50 x 50 | Square | |

*Consult manufacturer website for actual beam angle in accordance with the type of LED/Array in use.



# Optics
## Reflectors

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### NARROW BEAM REFLECTORS

| Supplier | Part Number | Optic: Beam Angle ( ° )* | Diameter (mm) | Shape | Notes |
|---|---|---|---|---|---|
| LEDiL | CA11181_BROOKE-S | 24 | 45 | Round | |
| | F14532_ANGELETTE-S | 15.00 | 110.00 | | VERO18 |
| | F14619_ANGELETTE-S-PLAIN | 11 | 110.00 | | VERO13 |
| | C11506_BROOKE-S | 24 | 45 | | |
| | C11552_BARBARA-S | 17 | 70 | | |
| | CN12159_LENA-S-DL | 11 | 111 | | |
| | CN12600_LENINA-S | 15 | 74 | | |
| | CN12603_LENINA-S-DL | 20 | 74 | | |
| | F13325_ANGELINA-S | 17 | 82 | | |
| | F13659_ANGELINA-S-B | 23 | 82 | | |
| | F13662_ANGELA-S-B | 8 | 119.5 | | |
| | C10918_BRIDGET-S | 33 | 22.6 | Hexag | |
| | C13557_BRIDGET-S-UNI | 35 | 22.6 | | |
| | C12476_MIRELLA-50-S | 13 | 49.9 | Round | |
| | CN12483_MIRELLA-50-S-DL | 18 | 49.9 | | |
| | CN13517_MIRELLA-50-S-CL | 14 | 49.9 | | |
| | CN12304_LENA-S-DL | 20 | 111 | | |
| | CN12656_LENINA-S | 28 | 74 | | |
| | CN12659_LENINA-S-DL | 32 | 74 | | |
| | CN13597_LENA-SS | 22 | 111 | | |
| | CN13601_LENA-SS-DL | 25 | 111 | | |
| | CN13127_MIRELLA-50-S-PF | 14 | 49.9 | | |
| | CN13130_MIRELLA-50-S-DL-PF | 14 | 49.9 | | LG COB 4W |
| | CN13523_MIRELLA-50-S-CL-PF | 13 | 49.9 | | |
| | C13085_MIRELLA-50-S-PF | 19 | 49.9 | | |
| | FCN13694_ANGELINA-S | 18 | 82 | | LUXEON CoB 1202/1203 |
| | FCN13705_ANGELA-S | 6 | 119.5 | | |
| | CN13918_MIRELLA-50-S-PF-VERO13 | 20 | 49.9 | | |
| | FCN13925_BARBARA-S-PF-VERO13/18 | 14 | 70 | | |
| | CN14068_LENA-S | 7 | 111.00 | | |
| | CN14101_LENINA-S | 11 | 74 | | |
| | CN14105_LENINA-S-DL | 13 | 74 | | LUXEON CoB 1202/1203 |
| | CN14174_MIRELLA-50-S-PF | 19 | 49.9 | | |
| | FCN14425_BARBARA-S-PF | 12 | 70 | | |
| | CN14565_MIRELLA-50-S-DL-PF | 22 | 49.9 | | |
| | CN14569_MIRELLA-50-S-CL-PF | 19 | 49.9 | | |
| | CN13764_MIRELLA-50-S-PF | 13 | 49.9 | | |
| | CN13767_MIRELLA-50-S-DL-PF | 15 | 49.9 | | |
| | CN13770_MIRELLA-50-S-CL-PF | 13 | 49.9 | | LUXEON CoB 1202s |
| | CN14006_MIRELLA-50-XW-PF | 78 | 49.9 | | |
| | FCN14045_BARBARA-S-PF | 9 | 70 | | |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.

LEDiL

## NARROW BEAM REFLECTORS *(continued)*

| Supplier | Optic | | | | Notes |
|---|---|---|---|---|---|
| | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape | |
| LEDiL | CN12293_LENA-S | 10 | 111 | Round | LUXEON CoB 1204/1205 |
| | CN12296_LENA-S-DL | 12 | 111 | | |
| | CN12644_LENINA-S | 18 | 74 | | |
| | CN12647_LENINA-S-DL | 19 | 74 | | |
| | F13379_ANGELA-S | 10 | 119.5 | | |
| | FC13991_ANGELA-RZ-S | 10 | 119.5 | | |
| | CN12932_LENINA-S | 16 | 74 | Round | |
| | CN12935_LENINA-S-DL | 17.5 | 74 | | |
| | CN13261_LENA-SS-DL | 14 | 111 | | |
| | FC13973_ANGELINA-RZ-S | 25 | 82 | | |
| | FC13977_ANGELINA-RZ-S-B | 27 | 82 | | |
| | C11773_VENLA-S | 13 | 45 | | |
| | FCN13581_ANGELINA-S | 17 | 82 | | |
| | FCN14467_ANGELA-RZ-S | 9 | 119.5 | | |
| | FCN13582_ANGELINA-S | 18 | 82 | | |
| | FCN14466_ANGELA-RZ-S | 10 | 119.5 | | |
| | FCN13583_ANGELINA-S | 22 | 82 | | |
| | FCN14465_ANGELA-RZ-S | 12 | 119.5 | | |
| | CN13902_MIRELLA-50-S-PIN-RZL | 18 | 49.9 | | LUXEON Z RGB |
| | CN13905_MIRELLA-50-S-PF-RZL | 21 | 49.9 | | |
| | CN13190_LENA-S-DL | 9 | 111 | | V10 |
| | CN13199_LENINA-S-DL | 13 | 74 | | |
| | F13700_BARBARA-S-PF | 13 | 70 | | VERO10 |
| | CN13917_MIRELLA-50-S-PF-VERO10 | 20 | 49.9 | | |
| | FCN13924_BARBARA-S-PF-VERO10 | 13 | 70 | | |
| | CN14136_MIRELLA-50-S-DL-PF-VERO10 | 23 | 49.9 | | |
| | CN14179_MIRELLA-50-S-CL-PF-VERO10 | 23 | 49.9 | | |
| | CN14089_LENA-S-DL | 14 | 111 | | VERO13 |
| | FCN14473_ANGELINA-RZ-S | 25 | 82 | | |
| | FCN13691_ANGELINA-S | 39 | 82 | | VERO29 |
| | CN14064_LENA-SS | 31 | 111 | | |
| | CN14065_LENA-S-DL | 30 | 111 | | |
| | CN14081_LENA-SS-DL | 32 | 111 | | |
| | CN14093_LENINA-S | 40 | 74 | | |
| | CN14100_LENINA-S-DL | 40 | 74 | | |
| | F14738_BROOKE-G2-S | 15.00 | 45.00 | | V8 Gen6 & F15253_ HEKLA-SOCKET-A |
| | FN15267_ANGELETTE-S-RZ | 16.00 | 110.00 | | LUXEON CoB 1208 |
| | FN15270_ANGELETTE-S-PLAIN-RZ | 16.00 | 110.00 | | |

*Consult manufacturer website for actual beam angle in accordance with the type of LED/Array in use.



LEDiL

## MEDIUM BEAM REFLECTORS

| Supplier | Optic | | | | Notes |
|---|---|---|---|---|---|
| | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape | |
| LEDiL | CA11182_BROOKE-M | 32 | 45 | Round | |
| | F14533_ANGELETTE-M | 46 | 110 | | VERO13 |
| | F14620_ANGELETTE-M-PLAIN | 48 | 110 | | VERO18 |
| | CA14434_MINNIE-LT-M | 21 | 35 | | LUXEON M |
| | CA14941_MINNIE-LT-M-PIN | 23 | 35 | | |
| | C11507_BROOKE-M | 32 | 45 | | |
| | CN12164_LENA-M | 19 | 111 | | |
| | CN12168_LENA-M-DL | 20 | 111 | | |
| | CN12601_LENINA-M | 29 | 74 | | |
| | CN12604_LENINA-M-DL | 36 | 74 | | |
| | F13401_ANGELINA-M | 30 | 82 | | |
| | F13660_ANGELINA-M-B | 38 | 82 | | |
| | F13663_ANGELA-M-B | 16 | 119.5 | | |
| | C10919_BRIDGET-M | 47 | 22.6 | Hexag | |
| | C13556_BRIDGET-M-UNI | 48 | 22.6 | | |
| | C12477_MIRELLA-50-M | 27 | 49.9 | Round | |
| | CN12484_MIRELLA-50-M-DL | 35 | 49.9 | | |
| | CN13518_MIRELLA-50-M-CL | 27 | 49.9 | | |
| | CN12302_LENA-M | 28 | 111 | | |
| | CN12305_LENA-M-DL | 29 | 111 | | |
| | CN12657_LENINA-M | 44 | 74 | | |
| | CN12660_LENINA-M-DL | 47 | 74 | | |
| | CN13128_MIRELLA-50-M-PF | 23 | 49.9 | | LG COB 4W |
| | CN13131_MIRELLA-50-M-DL-PF | 29 | 49.9 | | |
| | CN13524_MIRELLA-50-M-CL-PF | 23 | 49.9 | | |
| | C13086_MIRELLA-50-M-PF | 25 | 49.9 | | LUXEON CoB 1202/1203 |
| | FCN13695_ANGELINA-M | 32 | 82 | | |
| | FCN13706_ANGELA-M | 13 | 119.5 | | |
| | CN13920_MIRELLA-50-M-PF-VERO13 | 25 | 49.9 | | |
| | CN14102_LENINA-M | 22 | 74 | | |
| | CN14106_LENINA-M-DL | 26 | 74 | | |
| | CN14175_MIRELLA-50-M-PF | 27 | 49.9 | | |
| | CN14566_MIRELLA-50-M-DL-PF | 30 | 49.9 | | |
| | CN14570_MIRELLA-50-M-CL-PF | 28 | 49.9 | | |
| | CN13765_MIRELLA-50-M-PF | 20 | 49.9 | | LUXEON CoB 1202s |
| | CN13768_MIRELLA-50-M-DL-PF | 26 | 49.9 | | |
| | CN13771_MIRELLA-50-M-CL-PF | 23 | 49.9 | | |
| | F13380_ANGELA-M | 15 | 119.5 | Round | LUXEON CoB 1204/1205 |
| | CN12294_LENA-M | 19 | 111 | | |
| | CN12297_LENA-M-DL | 21 | 111 | | |
| | CN12645_LENINA-M | 28 | 74 | | |
| | CN12648_LENINA-M-DL | 30 | 74 | | |

LEDiL carclo Optics

## MEDIUM BEAM REFLECTORS *(continued)*

| Supplier | Part Number | Optic: Beam Angle ( ° )* | Optic: Diameter (mm) | Shape | Notes |
|---|---|---|---|---|---|
| LEDiL | CN12927_LENA-M | 19 | 111 | Round | |
| | CN12930_LENA-M-DL | 21 | 111 | | |
| | CN12933_LENINA-M | 28 | 74 | | |
| | CN12936_LENINA-M-DL | 30 | 74 | | |
| | FC13975_ANGELINA-RZ-M | 37 | 82 | | |
| | FC13978_ANGELINA-RZ-M-B | 48 | 82 | | |
| | FC13992_ANGELA-RZ-M | 17 | 119.5 | | |
| | C11775_VENLA-M | 28 | 45 | | |
| | FCN13568_ANGELA-M | 15 | 119.5 | | |
| | FCN13578_ANGELINA-M | 25 | 82 | | |
| | FCN13569_ANGELA-M | 16 | 119.5 | | |
| | FCN13579_ANGELINA-M | 28 | 82 | | |
| | FCN13570_ANGELA-M | 19 | 119.5 | | |
| | FCN13580_ANGELINA-M | 33 | 82 | | |
| | CN13903_MIRELLA-50-M-PIN-RZL | 31 | 49.9 | | LUXEON Z RGB |
| | CN13906_MIRELLA-50-M-PF-RZL | 28 | 49.9 | | |
| | CN13191_LENA-M-DL | 18 | 111 | | V10 |
| | CN13200_LENINA-M-DL | 21 | 74 | | |
| | CN13919_MIRELLA-50-M-PF-VERO10 | 28 | 49.9 | | VERO10 |
| | CN14137_MIRELLA-50-M-DL-PF-VERO10 | 32 | 49.9 | | |
| | CN14180_MIRELLA-50-M-CL-PF-VERO10 | 32 | 49.9 | | |
| | CN14082_LENA-M | 21 | 111 | | VERO13 |
| | CN14090_LENA-M-DL | 24 | 111 | | |
| | FCN14474_ANGELINA-RZ-M | 42 | 82 | | |
| | FCN13692_ANGELINA-M | 51 | 82 | | VERO29 |
| | FCN13698_ANGELA-M | 29 | 119.5 | | |
| | CN14061_LENA-M | 38 | 111 | | |
| | CN14066_LENA-M-DL | 38 | 111 | | |
| | CN14094_LENINA-M | 52 | 74 | | |
| | CN14099_LENINA-M-DL | 52 | 74 | | |
| | F14739_BROOKE-G2-M | 25 | 45 | | V8 Gen6 & F15253_ HEKLA-SOCKET-A |
| | FN15268_ANGELETTE-M-RZ | 49 | 110 | | LUXEON CoB 1208 |
| | FN15271_ANGELETTE-M-PLAIN-RZ | 49 | 110 | | |
| Carclo Optics | 12530 | 52 | 17 | Circular | - |
| | 10374 | 47 | 20 | | Holders: 10235, 10235-TS, 10431, 10750, 10736 |
| | 12568 | 56 | 20 | | Holders: 10235, 10235-TS, 10431, 10750, 10736 |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.

LED ASSOCIATIVE PRODUCTS



LEDiL

## WIDE BEAM REFLECTORS

| Supplier | Part Number | Optic: Beam Angle ( ° )* | Optic: Diameter (mm) | Shape | Notes |
|---|---|---|---|---|---|
| LEDiL | CA11183_BROOKE-W | 50 | 45 | Round | |
| | F14534_ANGELETTE-WW | 60 | 110 | | VERO13 |
| | F14622_ANGELETTE-WW-PLAIN | 66 | 110 | | VERO18 |
| | CA14433_MINNIE-LT-W | 30 | 35 | | LUXEON M |
| | CA14942_MINNIE-LT-W-PIN | 30 | 35 | | |
| | CA15027_MINNIE-LT-WWW | 62 | 35 | | |
| | C11508_BROOKE-W | 50 | 45 | | |
| | C11553_BARBARA-W | 37 | 70 | | |
| | CN12160_LENA-W-DL | 46 | 111 | | |
| | CN12602_LENINA-W | 54 | 74 | | |
| | CN12605_LENINA-W-DL | 54 | 74 | | |
| | C12955_BARBARA-XW | 75 | 70 | | |
| | CN12960_LENINA-XW | 74 | 74 | | |
| | CN12974_LENINA-XW-DL | 72.5 | 74 | | |
| | C13032_BARBARA-WW | 60 | 70 | | |
| | F13402_ANGELINA-W | 43 | 82 | | |
| | F13664_ANGELA-W-B | 34 | 119.5 | | |
| | F13839_ANGELINA-XW-B | 94 | 82 | | |
| | F13841_ANGELA-XW-B | 73 | 119.5 | | |
| | C10920_BRIDGET-W | 65 | 22.6 | Hexag | |
| | C13555_BRIDGET-W-UNI | 63 | 22.6 | | |
| | C12478_MIRELLA-50-W | 35 | 49,9 | Round | |
| | CN12485_MIRELLA-50-W-DL | 43 | 49,9 | | |
| | CN13520_MIRELLA-50-W-CL | 42 | 49,9 | | |
| | CN12303_LENA-W | 51 | 111 | | |
| | CN12306_LENA-W-DL | 51 | 111 | | |
| | CN12658_LENINA-W | 64 | 74 | | |
| | CN12661_LENINA-W-DL | 60 | 74 | | |
| | CN12961_LENINA-XW | 76 | 74 | | |
| | CN12973_LENINA-XW-DL | 87 | 74 | | |
| | F13661_ANGELINA-W-B | 53 | 82 | | COB 10W/13W/17W/24W |
| | CN13129_MIRELLA-50-W-PF | 38 | 49.9 | | COB 4W |
| | CN13132_MIRELLA-50-W-DL-PF | 44 | 49.9 | | |
| | CN13525_MIRELLA-50-W-CL-PF | 40 | 49.9 | | |
| | C13087_MIRELLA-50-W-PF | 37 | 49.9 | | LUXEON CoB 1202/1203 |
| | FCN13696_ANGELINA-W | 45 | 82 | | |
| | FCN13707_ANGELA-W | 31 | 119.5 | | |
| | C13806_MIRELLA-XW-PF | 75 | 50 | | |
| | CN13923_MIRELLA-50-W-PF-VERO13 | 35 | 49.9 | | |
| | FCN13927_BARBARA-W-PF-VERO13/18 | 31 | 70 | | |
| | FCN13929_BARBARA-WW-PF-VERO13/18 | 39 | 70 | | |
| | CN14104_LENINA-XW | 76 | 74 | | |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.
**Consult manufacturer website to determine holder for specific emitter.

LED ASSOCIATIVE PRODUCTS

LEDiL carclo Optics

## WIDE BEAM REFLECTORS *(continued)*

| Supplier | Optic: Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape | Notes |
|---|---|---|---|---|---|
| LEDiL | CN14108_LENINA-XW-DL | 74 | 74 | Round | LUXEON CoB 1202/1203 |
| | CN14176_MIRELLA-50-W-PF | 39 | 49.9 | | |
| | FCN14426_BARBARA-W-PF | 30 | 70 | | |
| | FCN14427_BARBARA-XW-PF | 71 | 70 | | |
| | CN14429_MIRELLA-50-XW-PF | 76 | 49.9 | | |
| | CN14567_MIRELLA-50-W-DL-PF | 41 | 49.9 | | |
| | CN14568_MIRELLA-XW-DL-PF | 68 | 50 | | |
| | CN14571_MIRELLA-50-W-CL-PF | 39 | 49.9 | | |
| | CN14572_MIRELLA-XW-CL-PF | 69 | 50 | | |
| | FCN14647_ANGELINA-XW | 95 | 82 | | |
| | FCN14690_ANGELA-XW | 73 | 119.5 | | |
| | CN13766_MIRELLA-50-W-PF | 35 | 49.9 | | LUXEON CoB 1202s |
| | CN13769_MIRELLA-50-W-DL-PF | 40 | 49.9 | | |
| | CN13772_MIRELLA-50-W-CL-PF | 41 | 49.9 | | |
| | FCN14046_BARBARA-W-PF | 20 | 70 | | |
| | FCN14471_BARBARA-XW-PF | 75 | 70 | | |
| | F13381_ANGELA-W | 33 | 119.5 | | LUXEON CoB 1204/1205 |
| | CN12298_LENA-W-DL | 44 | 111 | | |
| | CN12646_LENINA-W | 55 | 74 | | |
| | CN12649_LENINA-W-DL | 57 | 74 | | |
| | CN12962_LENINA-XW | 73 | 74 | | |
| | CN12975_LENINA-XW-DL | 71 | 74 | | |
| | F13840_ANGELA-XW | 72 | 119.5 | | |
| | CN12295_LENA-W | 46 | 111 | | LUXEON CoB 1208 |
| | FC13982_ANGELINA-RZ-XW-B | 91 | 82 | | LUXEON CoB 1216 |
| | FC13983_ANGELA-RZ-XW-B | 71 | 119.5 | | |
| | FC13988_ANGELA-RZ-W-B | 42 | 119.5 | | |
| | CA13892_MINNIE-XW | 90 | 35 | | LUXEON M |
| | CN12931_LENA-W-DL | 45 | 111 | | |
| | CN12934_LENINA-W | 54 | 74 | | |
| | CN12937_LENINA-W-DL | 57 | 74 | | |
| | CN12966_LENINA-XW | 72 | 74 | | |
| | CN12977_LENINA-XW-DL | 68 | 74 | | |
| | F13838_ANGELINA-XW | 92 | 82 | | |
| | FC13976_ANGELINA-RZ-W | 54 | 82 | | |
| | FC13979_ANGELINA-RZ-W-B | 64 | 82 | | |
| | FC13993_ANGELA-RZ-W | 37 | 119.5 | | |
| | FC13994_ANGELA-RZ-XW | 72 | 119.5 | | |
| Carclo Optics | 12527 | 70 | 17 | Circular | - |
| | 12531 | 70 | 17 | | - |
| | 10170 | 76 | 20 | | Holders: 10235, 10235-TS, 10431, 10750 |
| | 10255 | 80 | 20 | | Holders: 10235, 10235-TS, 10431, 10750, 10736 |
| | 12526 | 76 | 36 | Square | 4up LUXEON M Wide Spot Diffuse Reflector |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.





LEDiL

## WIDE BEAM REFLECTORS *(continued)*

| Supplier | Optic: Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape | Notes |
|---|---|---|---|---|---|
| LEDiL | C11776_VENLA-W | 45 | 45 | Round | |
| | C11777_VENLA-WW | 56 | 45 | | |
| | FCN13571_ANGELA-W | 34 | 119.5 | | |
| | FCN13575_ANGELINA-W | 42 | 82 | | |
| | FCN13572_ANGELA-W | 34 | 119.5 | | |
| | FCN13576_ANGELINA-W | 44 | 82 | | |
| | FCN13573_ANGELA-W | 37 | 119.5 | Round | |
| | FCN13577_ANGELINA-W | 49 | 82 | | |
| | CN13904_MIRELLA-50-W-PIN-RZL | 46 | 49.9 | | LUXEON Z RGB |
| | CN13907_MIRELLA-50-W-PF-RZL | 36 | 49.9 | | |
| | CN13192_LENA-W-DL | 39 | 111 | | V10 |
| | CN13201_LENINA-W-DL | 47 | 74 | | |
| | CN13203_LENINA-XW-DL | 69 | 74 | | |
| | CN14278_MIRELLA-50-W-PF | 39 | 49.9 | | |
| | F13701_BARBARA-W-PF | 30 | 70 | | VERO10 |
| | F13702_BARBARA-WW-PF | 66 | 70 | | |
| | FCN14311_BARBARA-XW-PF-VERO13/18 | 71 | 70 | | LUXEON CoB 1202/1203 |
| | CN13921_MIRELLA-50-W-PF-VERO10 | 40 | 49.9 | | VERO10 |
| | FCN13926_BARBARA-W-PF-VERO10 | 31 | 70 | | |
| | FCN13928_BARBARA-WW-PF-VERO10 | 49 | 70 | | |
| | CN14138_MIRELLA-50-W-DL-PF-VERO10 | 44 | 49.9 | | |
| | CN14139_MIRELLA-50-XW-PF-VERO10 | 74 | 50 | | |
| | CN14140_MIRELLA-50-XW-DL-PF-VERO10 | 69 | 50 | | |
| | CN14181_MIRELLA-50-W-CL-PF-VERO10 | 44 | 49.9 | | |
| | CN14182_MIRELLA-50-XW-CL-PF-VERO10 | 69 | 50 | | |
| | CN14529_BROOKE-XW | 86 | 45 | | |
| | CN14091_LENA-W-DL | 48 | 111 | | VERO13 |
| | CN14107_LENINA-W-DL | 60 | 74 | | |
| | FCN14475_ANGELINA-RZ-W | 53 | 82 | | |
| | CN14103_LENINA-W | 64 | 74 | | VERO18 |
| | FCN13693_ANGELINA-W | 64 | 82 | | VERO29 |
| | FCN13704_ANGELA-W | 46 | 119.5 | | |
| | CN14067_LENA-W-DL | 57 | 111 | | |
| | CN14095_LENINA-W | 67 | 74 | | |
| | CN14096_LENINA-XW | 77 | 74 | | |
| | CN14097_LENINA-XW-DL | 77 | 74 | | |
| | CN14098_LENINA-W-DL | 67 | 74 | | |
| | FCN14691_ANGELA-XW | 72 | 119.5 | | LUXEON CoB 1211 |
| | F14740_BROOKE-G2-W | 43 | 45 | | V8 Gen6 & F15253_ HEKLA-SOCKET-A |
| | FN15269_ANGELETTE-WW-RZ | 63 | 110 | | LUXEON CoB 1208 |
| | FN15272_ANGELETTE-WW-PLAIN-RZ | 63 | 110 | | |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.
**Consult manufacturer website to determine holder for specific emitter.

## ACCESSORIES

| Supplier | Part Number | Diameter (mm) | Shape | Notes |
|---|---|---|---|---|
| LEDiL | F13671_ANGE-RZ-LENS | 47 | Round | Color mixing sublens for Angela/Angelina/Angelette families |

# Optics
## Reflectors (continued)

LEDiL carclo Optics

### ASYMMETRIC BEAM REFLECTORS

| Supplier | Part Number | Optic: Beam Angle ( ° )* | Optic: Diameter (mm) | Optic: Shape | Notes |
|---|---|---|---|---|---|
| LEDiL | CN13249_LENA-X-WAS-DL | Asymmetric | 111 | Round | V10 |
| | CN14421_ANGELETTE-WAS | | 97 x 83 | | LUXEON CoB 1211 |
| | F13703_BARBARA-XW-PF | | 70 | | VERO10 |
| | CN14084_LENA-WAS | | 111 | | VERO13 |
| | CN14085_LENA-X-WAS | | 111 | | |
| | CN14088_LENA-WAS-DL | | 111 | | |
| | CN14092_LENA-X-WAS-DL | | 111 | | |
| | CN14078_LENA-WAS-DL | | 111 | | VERO29 |
| | CN14079_LENA-X-WAS | | 111 | | |
| | CN14080_LENA-X-WAS-DL | | 111 | | |
| | FCN14691_ANGELA-XW | | 119.5 | | |

*Consult manufacturer website for actual beam angle in accordance with the type of LED/Array in use.

### LUXEON COB, BRIDGELUX VERO, LG INNOTEK COB

| Supplier | Beam Type | Part Number | Beam Angle ( ° )* | Diameter (mm) | Shape |
|---|---|---|---|---|---|
| Carclo Optics | Medium | 12684** | * | 54 | Circular |
| | Wide | 12685** | * | | |

* Consult manufacturer website for actual beam angle in accordance with type of LED/Array in use.
** Only compatible with TE 2213130-2 & 2213134-2.

### CLAMPS/HOLDER FOR LUXEON COB, BRIDGELUX VERO

| Supplier | Part Number | Diameter (mm) | Shape | Notes |
|---|---|---|---|---|
| TE Connectivity | 2213130-2 | 50 | Circular | LUXEON COB 1204, 1205, 1208 |
| | 2213194-1 | 46.7 | | Retaining clip for ANGELA & ANGELINA |

Note: Contact marketing for connector solutions.

### CLAMPS/HOLDER FOR LUXEON S (S2000, S3000, S5000), LUXEON K (12UP & 16UP), LUXEON COB, BRIDGELUX VERO

| Supplier | Part Number | Diameter (mm) | Shape | Notes |
|---|---|---|---|---|
| LEDiL | C13395_CLAMP-S2000 | 50 | Circular | |
| | C13397_CLAMP-S3000 | 50 | | |
| | C13399_CLAMP-S5000 | 50 | | |
| | C13658_CLAMP-VERO13-18 | 50 | | BRIDGELUX VERO 13 & 18 |
| | C13584_CLAMP-VERO29 | 53 | | BRIDGELUX VERO 29 |
| | C12292_LENA-STD-BASE-MEZ | 58.6 | | LUXEON COB 1204, 1205, 1208 |
| | C13867_LENA-STD-BASE-VERO29 | 58 | | BRIDGELUX VERO 29 |
| | C13868_LENA-STD-BASE-VERO13-18 | 58 | | BRIDGELUX VERO 13 & 18 |
| | F15253_HEKLA-SOCKET-A | 44 | | V8 Gen6 |
| | F14988_HEKLA-SOCKET-E | 44 | | V13 Gen6 |
| | F15616_HEKLA-SOCKET-F | 44 | | VERO10 |



# Optics
## Mid Power LED

LEDiL

### MODULES FOR MID POWER

| Supplier | Part Number | Optic: Beam Angle ( ° )* | Optic: Diameter (mm) | Optic: Shape | Notes |
|---|---|---|---|---|---|
| LEDiL | F13853_FLORENCE-Z90 | 92 | 61 x 286 | Rectangle | LG 6030 |
| | CP14612_IDA16-M | 49 | 50 x 50 | Square | 3535 |
| | CP14877_IDA16-O | 67 + 49 | 50 x 50 | | |
| | CP14876_IDA16-WW | 75 | 50 x 50 | | |
| | F13853_FLORENCE-Z90 | 93 | 286 x 61 | Rectangular | LG 5630/LUXEON 3030 2D |
| | C14642_FLORENCE-1R-UP | Asymmetric | 19.5 x 286 | | LUXEON 3030 2D/ 3535 L/3014/3020 |
| | F14112_FLORENCE-Z60 | 61 | 286 x 61 | Rectangular | LG 6030 |
| | F14170_FLORENCE-ZT25 | Asymmetric | 286 + 61 | | |
| | F14304_FLORENCE-1R-Z90 | 92 + 110 | 19.5 x 286 | | LUXEON 3535 |
| | F14344_FLORENCE-1R-ZT25 | Asymmetric | 19.5 x 286 | | LUXEON 3030 2D |
| | C14454_FLORENCE-1R-O | 93 + 34 | 285.6 x 19.5 | | |
| | F14468_FLORENCE-1R-Z60 | 60 + 109 | 19.5 x 286 | | LUXEON 3535 |
| | F14486_FLORENCE-Z30 | 29 | 286 x 61 | | LG 5630/LUXEON 3030 2D |
| | C14530_FLORENCE-1R-Z2T25 | Asymmetric | 19.5 x 286 | | LUXEON 3535 |
| | F14487_FLORENCE-1R-MAXI-WG | Asymmetric | 21.65 x 286 | | |
| | F15216_FLORENCE-1R-GC-Z90 | 90 | 282.6 x 19 | | NF2x757D |
| | F15685_FLORENCE-1R-GC-ZT25 | Asymmetric | 282.6 x 19 | | |
| | F15523_LINNEA-90 | 86 + 99 | 40 x 285 | | |
| | F15069_FLORENCE-O | 84 + 35 | 286 x 61 | | LG 6030 |
| | F15244_FLORENCE-ZT25-S | Asymmetric | 286 + 61 | | LG 5630 |

*Consult manufacturer website for actual beam angle in accordance with the type of LED/Array in use.

### ACCESSORIES

| Supplier | Part Number | Diameter (mm) | Shape | Notes |
|---|---|---|---|---|
| LEDiL | C14409_FLORENCE-1R-CLIP-B | — | — | Extrusion profile clip |
| | C14353_FLORENCE-1R-CLIP-A | 63.5 x 9 | | Plate installation clip |
| | C14593_FLORENCE-1R-SHD-BLK | 285.9 x 23.51 | Rectangular | Florence 1R black shade |
| | C14519_FLORENCE-1R-SHD-GR | 285.9 x 23.51 | | Florence 1R grey shade |
| | C14453_FLORENCE-3R-SHD-GR | 290.62 x 65.62 | | Florence 3R grey shade |
| | C14592_FLORENCE-3R-SHD-BLK | 290.62 + 65.62 | | Florence 3R black shade |
| | C14437_FLORENCE-PF-3R | M4 | Round | Plastic press fit fastener-M4 holes |

# Thermal


Active 261
Passive 267
Passive Cooling 270
Active Cooling 284


AAVID THERMALLOY

MechaTronix





## COOLERS

| Supplier | Product Description | Adjustment | Dimensions (mm) (Diameter/Length & Width, Height) | Input Voltage (V) | Power Consumption (W)* | Part #*** | Aavid Part #*** |
|---|---|---|---|---|---|---|---|
| Aavid Thermalloy | ZFlow 50 SynJet® Cooler | Level Select | Ø50.8 x 32.5 | 5 | 0.44-0.89 | SM16S-CM005-012 | 070192 |
| | | PWM | | | | SM16S-CM005-010 | 070191 |
| | | Level Select | | 12 | | SM16S-CM012-011 | 070193 |
| | | PWM | | | | SM16S-CM012-012 | 070194 |
| | ZFlow 65 SynJet® Cooler | Level Select | Ø64 x 31.5 | 5 | 0.45-0.85 | SPARS-CM005-002 | 070196 |
| | | PWM | | | | SPARS-CM005-001 | 070195 |
| | | Level Select | | 12 | | SPARS-CM012-002 | 070196 |
| | | PWM | | | | SPARS-CM012-001 | 070197 |
| | ZFlow 75 SynJet® Cooler | Level Select | Ø74.5 x 46 | 5 | 0.36-0.55 | SSLCS-CM005-002 | 070201 |
| | | PWM | | | | SSLCS-CM005-001 | 070200 |
| | | Level Select | | 12 | | SSLCS-CM012-002 | 070203 |
| | | PWM | | | | SSLCS-CM012-001 | 070202 |
| | ZFlow 87 SynJet® Cooler | Level Select | Ø86.2 x 44 | 5 | 0.48-0.80 | NX201101 | 070088 |
| | | PWM | | | | NX201100 | 070087 |
| | | Level Select | | 12 | | NX201103 | 070090 |
| | | PWM | | | | NX201102 | 070089 |
| | ZFlow 90 SynJet® Cooler | Level Select | Ø90 x 50 | 5 | 0.48-0.98 | NX200100 | 070079 |
| | | PWM | | | | NX200101 | 070080 |
| | | Level Select | | 12 | | NX200102 | 070081 |
| | | PWM | | | | NX200103 | 070082 |
| | ZFlow 90 Outdoor SynJet® Cooler | Level Select | Ø90 x 50 | 5 | 0.48-0.98 | NX200105 | 070083 |
| | | PWM | | | | NX200106 | 070084 |
| | | Level Select | | 12 | | NX200107 | 070085 |
| | | PWM | | | | NX200108 | 070086 |
| | ZFlow 100 SynJet® Cooler | Level Select | Ø103.9 x 41.4 | 5 | 0.55-0.70 | SSSLS-CM005-008 | 070204 |
| | | PWM | | | | SSSLS-CM005-009 | 070205 |
| | | Level Select | | 12 | | SSSLS-CM012-017 | 070206 |
| | | PWM | | | | SSSLS-CM012-018 | 070207 |
| | XFlow 30 Indoor | PWM | 49.5 x 60.3 x 29.6 | 5 | 1.1 | NX203100 | 070099 |
| | | PWM | | 12 | | NX203101 | 070100 |
| | XFlow 30 Outdoor | PWM | | 5 | | NX203102 | 070101 |
| | | PWM | | 12 | | NX203103 | 070102 |
| | XFlow 42 SynJet® Cooler | Level Select | 77.8 x 80 x 42 | 5 | 0.41-4.14 | NX202101 | 070092 |
| | | PWM | | | | NX202100 | 070091 |
| | | Level Select | | 12 | | NX202103 | 070094 |
| | | PWM | | | | NX202102 | 070093 |
| | XFlow 42 Outdoor SynJet® Cooler | Level Select | 77.8 x 80 x 42 | 5 | 0.41-4.14 | NX202105 | 070096 |
| | | PWM | | | | NX202104 | 070095 |
| | | Level Select | | 12 | | NX202107 | 070098 |
| | | PWM | | | | NX202106 | 070097 |

***Please contact marketing to confirm part numbers as they are transitioned from Nuventix to Aavid nomenclature.

LED ASSOCIATIVE PRODUCTS

AAVID THERMALLOY

## LED COOLING SOLUTIONS

| Supplier | Product Description | Max Cooling Capacity (W)* | Required Series | Dimensions (mm) (Diameter/Length & Width, Height) | LED Module Application | Thermal Resistance (°C/W)** | Heat Sink Part #*** | Aavid Part #*** |
|---|---|---|---|---|---|---|---|---|
| Aavid Thermalloy | Spotlight LED Cooler 21W | 21 | ZFlow 65 | Ø74.5 x 67.7 | Fortimo SLM | 1.41-2.33 | HSSLS-CALCL-005 | 070064 |
| | | | | | Configurable | | HSSLS-CALCL-006 | 070065 |
| | | | | | Osram PrevaLED | | HSSLS-CALCL-009 | 070067 |
| | | | | | Zhaga B3 | | HSSLS-CALCL-015 | 070070 |
| | Linear LED Cooler 30W | 30 | XFlow 30 | 230 x 53.2 x 45 | Fortimo LLM | 1 | NX301100 | 070156 |
| | Spotlight LED Cooler 31W | 31 | ZFlow 75 | Ø74.5 x 76.9 | Fortimo SLM | 0.97-1.20 | HSLCS-CALCL-001 | 070039 |
| | | | | | Osram PrevaLED | | HSLCS-CALCL-004 | 070040 |
| | | | | | Configurable | | HSLCS-CALCL-007 | 070042 |
| | | | | | Zhaga B3 | | HSLCS-CALCL-015 | 070046 |
| | | | | | Xicato XSM M3 | | HSLCS-CALCL-019 | 070047 |
| | | | | | Bridgelux Vero 13/18, ES, Molex Helieon | | HSLCS-CALCL-021 | 070048 |
| | | | | | Flush Bridgelux Vero 13/18, ES, Molex Helieon | | HSLCS-CALCL-024 | 070051 |
| | Spotlight LED Cooler 34W | 34 | | Ø86.5 x 76.9 | Philips SLM, Vossloh Schwabe | 0.88-1.00 | HSLCS-CALBL-001 | - |
| | | | | | Osram PrevaLED | | HSLCS-CALBL-002 | - |
| | | | | | Configurable | | HSLCS-CALBL-003 | 070013 |
| | | | | | Xicato XSM | | HSLCS-CALBL-006 | - |
| | | | | | Bridgelux ES | | HSLCS-CALBL-008 | - |
| | | | | | Zhaga B3, Tridonic Stark SLE | | HSLCS-CALBL-018 | 070023 |
| | | | | | Xicato XSM M3 | | HSLCS-CALBL-029 | 070034 |
| | | | | | Bridgelux Vero 13/18, ES, Molex Helieon | | HSLCS-CALBL-033 | 070035 |

* Maximum cooling capacity is based on 40°C temperature rise of heat sink mounting surface above ambient temperature.
** Thermal resistance when used in conjunction with SynJet®. Value is dependent on performance setting.
***Please contact marketing to confirm part numbers as they are transitioned from Nuventix to Aavid nomenclature.



AAVID THERMALLOY

## LED COOLING SOLUTIONS *(continued)*

| Supplier | Product Description | Max Cooling Capacity (W)* | Required Series | Dimensions (mm) (Diameter/Length & Width, Height) | LED Module Application | Thermal Resistance (°C/W)** | Heat Sink Part #*** | Aavid Part #*** |
|---|---|---|---|---|---|---|---|---|
| Aavid Thermalloy | Spotlight LED Cooler 34W-Flush Mount | 34 | ZFlow 75 | Ø86.5 x 76.9 | Fortimo SLM, Vossloh-Schwabe | 0.91-1.07 | HSLCS-CALBL-020 | 070025 |
| | | | | | Osram PrevaLED | | HSLCS-CALBL-021 | 070026 |
| | | | | | Configurable | | HSLCS-CALBL-022 | 070027 |
| | | | | | Bridgelux ES | | HSLCS-CALBL-023 | 070109 |
| | | | | | Xicato XSM | | HSLCS-CALBL-024 | - |
| | | | | | Zhaga B3 | | HSLCS-CALBL-025 | 070028 |
| | | | | | LUXEON K | | HSLCS-CALBL-027 | 070030 |
| | | | | | Osram Soleriq, LEDiL | | HSLCS-CALBL-028 | 070031 |
| | | | | | Xicato XSM M3 | | HSLCS-CALBL-031 | - |
| | | | | | Bridgelux Vero 13/18, ES, Molex Helieon | | HSLCS-CALBL-034 | 070036 |
| | Spotlight LED Cooler 38W | 38 | | Ø99.3 x 76.9 | Configurable | 0.80-0.97 | HSLCS-CALBL-011 | 070017 |
| | | | | | Fortimo SLM | | HSLCS-CALBL-012 | 070018 |
| | | | | | Osram PrevaLED | | HSLCS-CALBL-015 | 070020 |
| | | | | | Zhaga B3 | | HSLCS-CALBL-019 | 070024 |
| | | | | | Xicato XSM M3 | | HSLCS-CALBL-030 | 070033 |
| | | | | | Flush Bridgelux Vero 13/18, Molex Helieon | | HSLCS-CALBL-035 | 070037 |
| | Downlight LED Cooler 40W | 40 | ZFlow 100 | Ø117.8 x 56.6 | Fortimo DLM | 0.75-1.06 | HSSLS-CALBL-005 | 070055 |
| | Twist Module LED Cooler 43W | 43 | ZFlow 90 | Ø100 x 58 | GE Infusion | 0.55-0.75 | NX300106 | 070109 |
| | | | | | | | NX300118 | 070121 |

* Maximum cooling capacity is based on 40°C temperature rise of heat sink mounting surface above ambient temperature.
** Thermal resistance when used in conjunction with SynJet®. Value is dependent on SynJet® performance setting.
***Please contact marketing to confirm part numbers as they are transitioned from Nuventix to Aavid nomenclature.



LED ASSOCIATIVE PRODUCTS

AAVID THERMALLOY

## LED COOLING SOLUTIONS *(continued)*

| Supplier | Product Description | Max Cooling Capacity (W)* | Required Series | Dimensions (mm) (Diameter/Length & Width, Height) | LED Module Application | Thermal Resistance (°C/W)** | Heat Sink Part #*** | Aavid Part #*** |
|---|---|---|---|---|---|---|---|---|
| Aavid Thermalloy | LED Cooler R87-60 | 61 | ZFlow 87 | Ø86.2 x 104.15 | Xicato XSM, Vossloh-Schwabe | 0.66-0.91 | NX301105 | 070161 |
| | | | | | Citizen CLL030, CLL050, LEDiL | | NX301106 | 070162 |
| | | | | | Osram Soleriq, Sharp Mega Zenigata, Molex Helieon | | NX301107 | 070163 |
| | | | | | LUXEON K | | NX301108 | 070164 |
| | | | | | Configurable | | NX301114 | 070170 |
| | | | | | Bridgelux Vero 10/13/18 | | NX301115 | 070171 |
| | | | | | Bridgelux Vero 29, RS | | NX301117 | 070173 |
| | Downlight LED Cooler 48W | 48 | ZFlow 100 | Ø137.5 x 46.8 | Fortimo DLM | 0.63-0.94 | HSSLS-CALBL-003 | 070053 |
| | | | | | Osram PrevaLED | | HSSLS-CALBL-013 | 070058 |
| | | | | | Fortimo TDLM/ Zhaga B2 | | HSSLS-CALBL-016 | 070060 |
| | | | | | Fortimo DLM, Stark DLE | | HSSLS-CALCL-008 | 070066 |
| | | | | | Fortimo DLM | | HSSLS-CALCL-008 | 070066 |
| | | | | | Fortimo TDLM/ Zhaga B2 | | HSSLS-CALCL-012 | 070068 |
| | | | | | Bridgelux Vero 13/18 | | HSSLS-CALCL-019 | 070073 |
| | | | | | Bridgelux Vero 29 | | HSSLS-CALCL-020 | 070074 |
| | | | | | Cree LMH2, Fortimo DLM, Stark DLE | | HSSLS-CALCL-021 | 070021 |
| | LED Cooler R87-46 | 51 | ZFlow 87 | Ø86.2 x 90.20 | Configurable | 0.79-1.03 | NX301103 | 070159 |
| | | | | | Xicato XSM, Vossloh-Schwabe | | NX301110 | 070166 |
| | | | | | Citizen CLL030, CLL050, LEDiL | | NX301111 | 070167 |
| | | | | | Osram Soleriq, Sharp Mega Zenigata, Molex Helieon | | NX301112 | 070168 |
| | | | | | LUXEON K | | NX301113 | 070169 |
| | | | | | Bridgelux Vero 13/18 | | NX301116 | 070172 |
| | | | | | Bridgelux Vero 29, RS | | NX301118 | 070174 |





AAVID THERMALLOY

## LED COOLING SOLUTIONS *(continued)*

| Supplier | Product Description | Max Cooling Capacity (W)* | Required Series | Dimensions (mm) (Diameter/Length & Width, Height) | LED Module Application | Thermal Resistance (°C/W)** | Heat Sink Part #*** | Aavid Part #*** |
|---|---|---|---|---|---|---|---|---|
| Aavid Thermalloy | Twist Module LED Cooler 58W | 58 | ZFlow 90 | Ø118 x 58 | GE Infusion | 0.52-0.78 | NX300131 | 070130 |
| | Spotlight LED Cooler 60W | 60 | ZFlow 90 | Ø118 x 58 | Configurable | 0.55-0.75 | NX300100 | 070105 |
| | | | | | Fortimo SLM | | NX300101 | 070106 |
| | | | | | Osram PrevaLED | | NX300102 | 070107 |
| | | | | | Zhaga B3 | | NX300105 | 070108 |
| | | | | | Xicato XSM | | NX300128 | 070128 |
| | | | | | Citizen CLL040 | | NX300150 | 070141 |
| | | | | | Bridgelux RS, Vero 13/18/29 | | NX300158 | 070146 |
| | Spotlight LED Cooler 47W | 63 | ZFlow 87 | Ø86.9 x 103.8 | Citizen, Bridgelux, Fortimo SLM, Zhaga B3 | 0.64-0.91 | NX301101 | 070157 |
| | Spotlight LED Cooler 70W | 87 | ZFlow 90 | Ø134 x 58 | Molex Helieon, Fortimo TDLM, Zhaga B2 | 0.46-0.63 | NX300119 | 070122 |
| | | | | | Fortimo SLM | | NX300120 | 070123 |
| | | | | | Osram PrevaLED | | NX300121 | 070124 |
| | | | | | Zhaga B3 | | NX300123 | 070125 |
| | | | | | Fortimo TDLM, Zhaga B2, Citizen CLL040, Molex Helieon | | NX300151 | 070142 |
| | | | | | Bridgelux Vero 29, RS, Molex Helieon, Philips Twistable, Zhaga B2 | | NX300159 | 070147 |
| | Wall Wash LED Cooler 82W | 82 | ZFlow 90 | 144.4 x 112.4 x 58 | Configurable Round | 0.49-0.68 | NX300132 | 070131 |
| | | | | | Citizen CLL050 | | NX300144 | 070137 |
| | | | | | Fortimo HBMt, Zhaga B4 | | NX300145 | 070138 |
| | | | | | Bridgelux Vero 29, RS, Tridonic Linear | | NX300160 | 070148 |
| | | | | | Configurable Rectangular | | NX300134 | 070133 |
| | | | | | Xicato XLM | | NX300146 | 070139 |
| | | | | | Fortimo DLM | | NX300152 | 07043 |

* Maximum cooling capacity is based on 40°C temperature rise of heat sink mounting surface above ambient temperature.
** Thermal resistance when used in conjunction with SynJet®. Value is dependent on SynJet performance setting.
***Please contact marketing to confirm part numbers as they are transitioned from Nuventix to Aavid nomenclature.

# Thermal
## Active (continued)

AAVID THERMALLOY

### LED COOLING SOLUTIONS *(continued)*

| Supplier | Product Description | Max Cooling Capacity (W)* | Required Series | Dimensions (mm) (Diameter/Length & Width, Height) | LED Module Application | Thermal Resistance (°C/W)** | Heat Sink Part #*** | Aavid Part #*** |
|---|---|---|---|---|---|---|---|---|
| Aavid Thermalloy | LED Cooler L100-180 | 103 | XFlow 42 | 180 x 70 x 178 | Configurable | 0.29-0.43 | NX302102 | 070177 |
| | Industrial LED Cooler R150-170 | 102 | XFlow 42 | Ø150 x 170 | Vossloh-Schwabe, Panasonic, Citizen CLL050 | 0.30-0.39 | NX302100 | 070175 |
| | | | | | Bridgelux RS and Vero | | NX302105 | 070179 |
| | LED Cooler L100-270 | 121 | XFlow 42 | 270 x 70 x 178 | Configurable | 0.25-0.28 | NX302103 | 070178 |

* Maximum cooling capacity is based on 40°C temperature rise of heat sink mounting surface above ambient temperature.
** Thermal resistance when used in conjunction with SynJet®. Value is dependent on SynJet® performance setting.
***Please contact marketing to confirm part numbers as they are transitioned from Nuventix to Aavid nomenclature.

### CABLE HARNESSES *(Required for all indoor coolers)*

| Supplier | Part Number | Length (mm) | Aavid Part # |
|---|---|---|---|
| Aavid Thermalloy | WALLS-C4150-001 | 150 | 070210 |
| | WALLS-C4370-001 | 370 | 070212 |
| | WALLS-C4240-001 | 240 | 070211 |
| | WALLS-C4600-001 | 600 | 070213 |

# Thermal
## Passive

AAVID THERMALLOY

| Supplier | Product Description | Max Cooling Capacity (W) | LED Module Application | Diameter (mm) | Height (mm) | Thermal Resistance (°C/W) | Nuventix Part #*** | Aavid Part #*** |
|---|---|---|---|---|---|---|---|---|
| Aavid Thermalloy | MR16 LED Heat Sink R50-Family | 6.1 | Bridgelux Vero 10, & Vero13/18, Zhaga Book 3 | 50 | 25 | 8.1 | - | 070154 |
| | | 7.6 | | | 40 | 6.6 | - | 070261 |
| | | 8.6 | | | 60 | 5.8 | - | 070262 |
| | | 10 | | | 75 | 5 | - | 070260 |
| | | 12 | | | 100 | 4.3 | - | 070320 |
| | | 14 | | | 125 | 3.5 | - | 070286 |
| | MR16 LED Heat Sink | 6 | Heat Sink, MR16 Style, Configurable, Black | 50 | 26 | 8.2 | HM16S-CALBL-001 | - |
| | LED Heat Sink R87-46 | 22 | Configurable | 87 | 46 | 2.2 | NX301103 | 070159 |
| | | | Xicato XSM, Vossloh-Schwabe | | | | NX301110 | 070166 |
| | | | Citizen CLL030, CLL050, LEDiL | | | | NX301111 | 070167 |
| | | | Osram Soleriq, Sharp Mega ZENIGATA, Molex Helieon | | | | NX301112 | 070168 |
| | | | LUXEON K | | | | NX301113 | 070169 |
| | | | Bridgelux Vero 13/18 | | | | NX301116 | 070172 |
| | | | Bridgelux Vero 29, RS | | | | NX301118 | 070174 |
| | LED Heat Sink R87-60 | 26 | Xicato XSM, Vossloh-Schwabe | 87 | 60 | 1.9 | NX301105 | 070161 |
| | | | Citizen CLL030, CLL050, LEDiL | | | | NX301106 | 070162 |
| | | | Osram Soleriq, Sharp Mega ZENIGATA, Molex Helieon | | | | NX301107 | 070163 |
| | | | LUXEON K | | | | NX301108 | 070164 |
| | | | Configurable | | | | NX301114 | 070170 |
| | | | Bridgelux Vero 10/13/18 | | | | NX301115 | 070171 |
| | | | Bridgelux Vero 29, RS | | | | NX301117 | 070173 |
| | LED Heat Sink R87-80F-100 | 33 | Configurable | 87 | 100 | 1.5 | - | 358884 |
| | | | Bridgelux Vero 13/18, Zhaga Book 3 | | | | - | 358885 |
| | LED Heat Sink R87-80F-140 | 38 | Configurable | 87 | 140 | 1.3 | - | 358887 |
| | | | Bridgelux Vero 13/18, Zhaga Book 3 | | | | - | 358889 |
| | Spotlight LED Heat Sink 34W | 22 | Philips SLM, Vossloh Schwabe | 87 | 57 | 2.2 | HSLCS-CALBL-001 | - |
| | | | Osram PrevaLED | | | | HSLCS-CALBL-002 | - |
| | | | Configurable | | | | HSLCS-CALBL-003 | 070013 |
| | | | Xicato XSM | | | | HSLCS-CALBL-006 | - |
| | | | Bridgelux ES | | | | HSLCS-CALBL-008 | - |
| | | | Zhaga B3, Tridonic Stark SLE | | | | HSLCS-CALBL-018 | 070023 |
| | | | Xicato XSM M3 | | | | HSLCS-CALBL-029 | 070034 |
| | | | Bridgelux Vero 13/18, ES, Molex Helieon | | | | HSLCS-CALBL-033 | 070035 |

***Please contact marketing to confirm part numbers as they are transitioned from Nuventix to Aavid nomenclature.

# Thermal
## Passive (continued)

| Supplier | Product Description | Max Cooling Capacity (W) | LED Module Application | Diameter (mm) | Height (mm) | Thermal Resistance (°C/W) | Nuventix Part #*** | Aavid Part #*** |
|---|---|---|---|---|---|---|---|---|
| Aavid Thermalloy | Spotlight LED Heat Sink 34W-Flush Mount | 22 | Fortimo SLM, Vossloh-Schwabe | 87 | 57 | 2.2 | HSLCS-CALBL-020 | 070025 |
| | | | Osram PrevaLED | | | | HSLCS-CALBL-021 | 070026 |
| | | | Configurable | | | | HSLCS-CALBL-022 | 070027 |
| | | | Bridgelux ES | | | | HSLCS-CALBL-023 | 070109 |
| | | | Xicato XSM | | | | HSLCS-CALBL-024 | - |
| | | | Zhaga B3 | | | | HSLCS-CALBL-025 | 070028 |
| | | | LUXEON K | | | | HSLCS-CALBL-027 | 070030 |
| | | | Osram Soleriq, LEDiL | | | | HSLCS-CALBL-028 | 070031 |
| | | | Xicato XSM M3 | | | | HSLCS-CALBL-031 | - |
| | | | Bridgelux Vero 13/18, ES, Molex Helieon | | | | HSLCS-CALBL-034 | 070036 |
| | Twist Module LED Heat Sink 43W | 20 | GE Infusion, Zhaga B5 | 100 | 42 | 2.4 | NX300106 | 070109 |
| | Spotlight LED Heat Sink 47W | 26 | Citizen, Bridgelux, Fortimo SLM, Zhaga B3 | 87 | 60 | 1.9 | NX301101 | 070157 |
| | Spotlight LED Heat Sink 38W | 28 | Configurable | 100 | 57 | 1.8 | HSLCS-CALBL-011 | 070017 |
| | | | Fortimo SLM, Vossloh-Schwabe | | | | HSLCS-CALBL-012 | 070018 |
| | | | Osram PrevaLED | | | | HSLCS-CALBL-015 | 070020 |
| | | | Zhaga B3, Tridonic SLE | | | | HSLCS-CALBL-019 | 070024 |
| | | | Flush Xicato XSM M3 | | | | HSLCS-CALBL-030 | 070033 |
| | | | Flush Bridgelux Vero 13/18, Molex Helieon | | | | HSLCS-CALBL-035 | 070037 |
| | Spotlight LED Heat Sink 60W | 38 | Configurable | 118 | 42 | 1.3 | NX300100 | 070105 |
| | | | Fortimo SLM, Vossloh-Schwabe | | | | NX300101 | 070106 |
| | | | Osram PrevaLED | | | | NX300102 | 070107 |
| | | | Zhaga B3, Tridonic SLE, Philips SLM | | | | NX300105 | 070108 |
| | | | Xicato XSM | | | | NX300128 | 070128 |
| | | | Citizen CLL040, LEDiL | | | | NX300150 | 070141 |
| | | | Bridgelux RS, Vero 13/18/29 | | | | NX300158 | 070146 |
| | | | GE Infusion, Zhaga B5 | | | | NX300131 | 070130 |

***Please contact marketing to confirm part numbers as they are transitioned from Nuventix to Aavid nomenclature.





| Supplier | Product Description | Max Cooling Capacity (W) | LED Module Application | Diameter (mm) | Height (mm) | Thermal Resistance (°C/W) | Nuventix Part #*** | Aavid Part #*** |
|---|---|---|---|---|---|---|---|---|
| Aavid Thermalloy | Spotlight LED Heat Sink 70W | 42 | Molex Helieon, Philips Twistable, Zhaga B2 | 134 | 42 | 1.1 | NX300119 | 070122 |
| | | | Fortimo SLM, TDLM, Vossloh-Schwabe, Molex Helieon, Zhaga B2 | | | | NX300120 | 070123 |
| | | | Osram PrevaLED | | | | NX300121 | 070124 |
| | | | Tridonic SLE, Molex Helieon | | | | NX300123 | 070125 |
| | | | Citizen CLL040, Molex Helieon | | | | NX300151 | 070142 |
| | | | Bridgelux Vero 29, RS, Molex Helieon, Philips Twistable, Zhaga B2 | | | | NX300159 | 070147 |
| | Wall Wash LED Heat Sink 82W Round Mount | 44 | Configurable | 144 x 112 | 42 | 1.1 | NX300132 | 070131 |
| | | | Bridgelux RS, Tridonic Linear | | | | NX300143 | 070133 |
| | | | Citizen CL050, Fortimo SLM | | | | NX300144 | 070137 |
| | | | Fortimo HBMt, Zhaga B4 | | | | NX300145 | 070138 |
| | | | Bridgelux Vero 29, RS, Tridonic Linear | | | | NX300160 | 070148 |
| | Wall Wash LED Heat Sink 82W Rectangular Mount | 44 | Configurable | 144 x 112 | 47 | 1.1 | NX300134 | 070133 |
| | | | Xicato XLM | | | | NX300146 | 070139 |
| | LED Heat Sink R186-70 | 40 | Philips Fortimo DLM, SLM, Twistable DLM 1100 & 1200, Osram Cube, Zhaga Book 3 | 186 | 70 | 0.81 | NX501101 | 070182 |
| | | | Toshiba E Core, Xicato XSM, Zhaga Book 3 | | | | NX501103 | 070183 |
| | | | Bridgelux Vero 13-18, 29, LEDiL Lena Std. Base | | | | NX501105 | 070184 |
| | | | Citizen CLL040, LEDiL Holder | | | | NX501107 | 070185 |
| | | | Osram Soleriq E30, E45, LEDiL Holder | | | | NX501111 | 070186 |
| | LED Heat Sink L100-180 | 75 | Configurable | 180 x 100 | 70 | 0.66 | NX302102 | 070177 |
| | LED Heat Sink R150-170 | 77 | Vossloh-Schwabe, Panasonic, Citizen CLL050 | 150 | 170 | 0.64 | NX302100 | 070175 |
| | | | Bridgelux RS, Bridgelux Vero 29 | | | | NX302105 | 070179 |
| | LED Heat Sink L100-270 | 90 | Configurable | 270 x 100 | 70 | 0.52 | NX302103 | 070178 |
| | LED Heat Sink R133-150 | 80 | Configurable | 133 | 150 | 0.55 | - | 358890 |
| | | | Bridgelux Vero 13/18, Vero 29, Zhaga Book 3 | | | | - | 358891 |
| | LED Heat Sink R133-200 | 100 | Configurable | 133 | 200 | 0.48 | - | 358893 |
| | | | Bridgelux Vero 13/18, Vero 29, Zhaga Book 3 | | | | - | 358894 |

***Please contact marketing to confirm part numbers as they are transitioned from Nuventix to Aavid nomenclature.

# Thermal
## Passive Cooling

| Supplier | Part Number | Category Description | Max Cooling Capacity (W) | Size (mm) | Thermal Resistance K/W) | Product Compatibility | |
|---|---|---|---|---|---|---|---|
| MechaTronix | CoolBlock® SQ-01 2x2MX | CoolBlock® SQ-01 2x2MX<br>Square pin fin LED cooler<br>for flood light, high bay and street light designs from 1,500 to 4,600 lumen | 50 | W96 x L96 x H61.5 | 1.45 | • Lumileds Luxeon XR-M<br>• Cezos Osram DURIS® P10<br>• Cree CXA15 / CXB15<br>• Citizen CITILED CLU028-0604C4 (18V)<br>• Luminus CHM-9 (18V), GEN3 CXM-9 (18V) | • Adura SinkPAD 2x2MX<br>-4x Cree MH-B<br>-4x Oslon SSL<br>-16x XP / 3535<br>-4x XHP50(12v)<br>-4x XHP70(12v)<br>-4x XP / 3535<br>- 4x Cree XPL<br>- 16x Oslon SSL<br>- 4x Luxeon-M<br>- 4x XHP50(6v)<br>- 4x XHP70(6v)<br>- 4x Luxeon M / MZ<br>• LEDiL Strada 2x2MX lenses for IP67 |
| | CoolBlock® LX-01-2x6 | CoolBlock® LX-01-2x6<br>Rectangle pin fin LED cooler<br>for flood light, high bay and street light designs from 2,000 to 6,000 lumen | 65 | W80 x L192 x H45 | 1.09 | • Lumileds Luxeon XR-TX<br>• Cezos Osram PCBs<br>- Osram OSLON® – CSSRM2.PM LED<br>- Osram DURIS® S8 – GWP9LM31 LED | • LEDiL Strada-IP-2x6 and HB-IP-2x6 series lenses for IP67 |
| | CoolBlock® LX-02-2x6 | CoolBlock® LX-02-2x6<br>Rectangle pin fin LED cooler<br>for flood light, high bay and street light designs from 2,000 to 6,000 lumen | 65 | W80 x L192 x H45 | 1.09 | • ADURA SinkPAD™<br>- NICHIA 219C<br>- Seoul Semi Z5M2<br>- CREE XPE or XTE<br>- NICHIA 229<br>- Cree XML, XML2<br>- Osram Oslon SSL and Square<br>- Luxeon M<br>- Luxeon Rebel<br>- Luxeon T, TX<br>- Luxeon N | • Cezos Osram LED PCBs<br>-Osram OSLON® – CSSRM2.PM LED<br>-Osram DURIS® S8 – GWP9LM31 LED<br>• LEDiL Strada-IP-2x6 and HB-IP-2x6 series lenses for IP67 |

| Supplier | Part Number | Category Description | Max Cooling Capacity (W) | Dimensions (mm) | Height (mm) | Thermal Resistance (K/W) | Product Compatibility | |
|---|---|---|---|---|---|---|---|---|
| MechaTronix | LPF3550-ZHC-B | LED pin fin cooler for spot and downlight designs from 300 to 1,000 lumen | 9.71 | 35 | 50 | 7.41 | • Bridgelux Vero 10, Décor Vero 10, V6, V8, V10<br>• Citizen CITILED CLL022-CLU024-CLU026-CLU028<br>• Cree XLamp CXA13, CXB13<br>• Edison EdiPower II Star series, EdiPower II / EdiPower III HM05, HM09<br>• Luminus CLM-9 (ACxx), CXM-9 (ACxx) | • Osram Soleriq P6<br>• Prolight Opto PACE, PACB<br>• Seoul Semiconductor ZC6<br>• Sharp Mini Zenigata<br>• Tridonic TALEXX Stark SLE GEN3 Mini LES-10, TALEXXmodule SLE GEN4 Essence 10mm, SLE GEN5 06/15mm, SLE GEN6 10mm |
| | LPF4768-ZHP-B | LED pin fin cooler for spot and downlight designs from 600 to 2,200 lumen | 18.57 | 47 | 68 | 3.9 | • Zhaga Book 3 Spot Light Modules<br>- Edison Edilex SLM<br>- Osram PrevaLED Core AC PRO<br>- Philips Fortimo SLM<br>- Tridonic TALEXX Stark SLE<br>- Vossloh Schwabe Luga Shop<br>• Bridgelux, Vero & Décor Vero 13/18, V-series<br>• Citizen CITILED CLL022-CLU024-CLU026-CLU028, CLL032-CLU034-CLU036-CLU038, CLU700<br>• Cree XLamp CXA13, CXB13, CXA15, CXB15<br>• Edison EdiPower II / III HM05, HM09, HM13, HM16<br>• LG Innotek LEMWM18 10W, 13W, 17W | • Lumileds Luxeon COBs 1203, 1204, 1205<br>• Luminus CLM-9 (ACxx), CXM-9 (ACxx), CHM-9 (ACxx), CXM-11 (ACxx), CLM-14 (ACxx), CXM-14 (ACxx)<br>• Lustrous LUSTRON 6 series LL613F / LL620F<br>• Osram Soleriq P6, P9, S13, S19<br>• Prolight Opto PACE, PABA, PACB, PACC<br>• Seoul Semiconductor ZC6, ZC12, ZC18<br>• Sharp Mega Zenigata, Mini Zenigata<br>• Tridonic TALEXX Stark SLE GEN3-19, Mini LES-10, Gen4 10/15mm, 15mm D50, GEN5 06/11/15mm, SLE GEN6 10/15mm<br>• Vossloh Schwabe Luga Shop C 2016 DMC 124, 125, 128 |


LED ASSOCIATIVE PRODUCTS

# Thermal
## Passive Cooling (continued)

| Supplier | Part Number | Category Description | Max Cooling Capacity (W) | Dimensions (mm) | Height (mm) | Thermal Resistance (K/W) | Product Compatibility | |
|---|---|---|---|---|---|---|---|---|
| | LPF6768-ZHP-B | LED pin fin cooler for spot and downlight designs from 1,100 to 3,300 lumen | 34.29 | 67 | 68 | 2.1 | • Zhaga Book 3 Spot Light Modules<br>- Edison Edilex SLM<br>- Osram PrevaLED Core AC / AC PRO<br>- Philips Fortimo SLM<br>- Seoul Semiconductor ACrich AC Zhaga<br>- Sharp INTERMO<br>- Tridonic TALEXX Stark SLE<br>- Vossloh Schwabe Luga Shop<br>• Bridgelux, Vero & Décor Vero 13 / 18, V-series<br>• Citizen CITILED CLL022-CLU024-CLU026-CLU028, CLL032-CLU034-CLU036-CLU038, CLU700, CLU710, CLU720<br>• Cree XLamp CXA13, CXB13, CXA15, CXB15, CXA18, CXB18<br>• Edison EdiPower II / EdiPower III HM09, HM13, HM16, HM24, HM30<br>• LG Innotek LEMWM18 10W, 13W, 17W, 24W | • Lumileds Luxeon COBs 1203, 1204, 1205, 1208<br>• Luminus CLM-9 (ACxx), CXM-9 (ACxx), CHM-9 (ACxx), CXM-11 (ACxx), CHM-11-XH00, CLM-14, CXM-14 (ACxx), CHM-14 (ACxx), CXM-18<br>• Lustrous LUSTRON 6 series LL613F / LL620F<br>• Osram Soleriq P6, P9, S13, S19, E30<br>• Prolight Opto PACE, PACF, PABA, PACB, PACC<br>• Seoul Semiconductor ZC6, ZC12, ZC18, ZC25, ZC40<br>• Sharp Mega Zenigata, Tiger Zenigata, Mini Zenigata<br>• Tridonic TALEXX Stark SLE GEN3-19, -23, Mini LES-17, TALEXXmodule SLE GEN4 10/15/19/23mm, 15mm D50, SLE GEN5 6/11/15/19/23mm, SLE GEN6 10/15/17/19/23mm, 17mm D50<br>• Vossloh Schwabe Luga Shop C 2016 DMC 124, 125, 128 |
| MechaTronix | LPF8050-ZHC-B | LED pin fin cooler for spot and downlight designs from 1,000 to 3,000 lumen | 30 | 80 | 50 | 2.34 | • Zhaga Book 3 Spot Light Modules<br>- Edison Edilex SLM<br>- Osram PrevaLED Core AC / AC PRO<br>- Philips Fortimo SLM<br>- Seoul Semiconductor ACrich AC Zhaga<br>- Sharp INTERMO<br>- Tridonic TALEXX Stark SLE<br>- Vossloh Schwabe Luga Shop<br>• Bridgelux, V-series LED array<br>• Citizen CITILED CLL032-CLU034-CLU036-CLU038, CLU710<br>• Cree XLamp CXA18, CXB18<br>• Edison EdiPower II / III HM16, HM24, HM30, HM40<br>• LG Innotek LEMWM18 10W, 13W, 17W, 24W | • Lumileds Luxeon 1203, 1204, 1205, 1208, 1211<br>• Luminus CXM-11 (ACxx), CHM-11-XH00, CLM-14 (ACxx), CXM-14 (ACxx), CHM-14 (ACxx), CXM-18<br>• Lustrous LUSTRON 6 series LL613F / LL620F<br>• Osram Soleriq S19, E30<br>• Prolight Opto PACF, PABA, PACC<br>• Seoul Semiconductor ZC12, ZC18, ZC25<br>• Sharp Mega Zenigata, Tiger Zenigata<br>• Tridonic TALEXX Stark SLE GEN3-19, -23, Mini LES-17, TALEXXmodule SLE GEN4 15/19/23mm, 15mm D50, SLE GEN5 15/19/23mm, SLE GEN6 19/23mm, 15/17mm D50 |
| | LPF8668-ZHC-B | LED pin fin cooler for spot and downlight designs from 1,500 to 4,600 lumen | 48.57 | 86 | 68 | 1.46 | • Zhaga Book 3 Spot Light Modules<br>- Edison Edilex SLM<br>- Osram PrevaLED Core AC / AC PRO<br>- Philips Fortimo SLM<br>- Seoul Semiconductor ACrich AC Zhaga<br>- Sharp INTERMO<br>- Tridonic TALEXX Stark SLE<br>- Vossloh Schwabe Luga Shop<br>• Bridgelux V15, V18, LED array<br>• Citizen CITILED CLL032-CLU034-CLU036-CLU038, CLL042-CLU044-CLU046-CLU048, CLU710, CLU720<br>• Cree XLamp CXA18, CXB18, CXA25<br>• Edison EdiPower III HM16, HM30, HM40 | • LG Innotek LEMWM18 10W, 13W, 17W, 24W, LEMWM28<br>• Lumileds Luxeon COBs 1203, 1204, 1205, 1208, 1211<br>• Luminus CXM-11 (ACxx), CHM-11-XH00, CLM-14 (ACxx), CXM-14 (ACxx), CHM-14 (ACxx), CVM-14, CXM-18, CLM-22<br>• Lustrous LUSTRON 6 series LL613F / LL620F<br>• Osram Soleriq S19, E30, P13<br>• Prolight Opto PACF, PACG, PABA, PACC, PACD<br>• Seoul Semiconductor ZC12, ZC18, ZC25, ZC40<br>• Sharp Mega Zenigata, Tiger Zenigata<br>• Tridonic TALEXX Stark SLE GEN3 Mini LES-17, TALEXX SLE GEN4 15/19/23mm, 15mm D50, GEN5 15/19/23mm, GEN6 19/23mm, 15/17mm D50 |

# Thermal
## Passive Cooling (continued)

| Supplier | Part Number | Category Description | Max Cooling Capacity (W) | Dimensions (mm) | Height (mm) | Thermal Resistance (K/W) | Product Compatibility | |
|---|---|---|---|---|---|---|---|---|
| MechaTronix | LPF11180-ZHE-B | LED pin fin cooler for spot and downlight designs from 2,000 to 6,000 lumen | 71.42 | 111 | 80 | 1.07 | • Zhaga Book 3 Spot Light Modules<br>- Edison Edilex SLM<br>- Osram PrevaLED Core AC / AC PRO<br>- Philips Fortimo SLM<br>- Sharp INTERMO<br>- Tridonic TALEXX Stark SLE<br>- Vossloh Schwabe Luga Shop<br>• Bridgelux, V-series LED array<br>• Citizen CITILED CLL032-CLU034-CLU036-CLU038, CLL042-CLU044-CLU046-CLU048, CLU710, CLU720<br>• Cree XLamp CXA18, CXB18, CXA25, CXB25<br>• Edison EdiPower II / III HM16, HM24, HM30, HM40<br>• LG Innotek LEMWM18 10W, 13W, 17W, 24W and LEMWM28 40W | • Lumileds Luxeon COBs 1203, 1204, 1205, 1208, 1211, 1216<br>• Luminus CXM-11 (ACxx), CHM-11-XH00, CLM-14 (ACxx), CXM-14 (ACxx), CHM-14 (ACxx), CVM-14, CXM-18, CVM-18, CLM-22, CXM-22<br>• Lustrous LUSTRON 6 series LL613F / LL620F / LL630F / LL630D / LL660D<br>• Osram Soleriq S19, E30<br>• Prolight Opto PACF, PACG, PABA, PACC, PACD<br>• Seoul Semiconductor ZC18, ZC25, ZC40 Sharp Mega Zenigata, Tiger Zenigata<br>• Sharp Mega Zenigata, Tiger Zenigata<br>• Tridonic TALEXX Stark SLE GEN3-19, -23, Mini LES-17, TALEXXmodule SLE GEN4 15/19/23mm, 15mm D50, SLE GEN5 15/19/23mm, SLE GEN6 19/23mm, 15/17mm D50 |
| | ModuLED Pico 4750-B | ModuLED LED star cooler for spot and downlight designs from 400 to 1,400 lumen | 13.71 | 47 | 50 | 5.3 | • Zhaga Book 3 Spot Light Modules<br>- Edison Edilex SLM<br>- Osram PrevaLED Core AC / AC PRO<br>- Philips Fortimo SLM<br>- Tridonic TALEXX Stark SLE<br>- Vossloh Schwabe Luga Shop<br>• Bridgelux, Vero 10, Vero 13, V-series<br>• Citizen CITILED CLL022-CLU024-CLU026-CLU028, CLL032-CLU034-CLU036-CLU038, CLU700, CLU710<br>• Cree XLamp CXA13, CXB13, CXA15, CXB15<br>• Edison EdiPower III Star/HM/CAC series<br>• LG Innotek LEMWM18 10W, 13W, 17W<br>• Lumileds Luxeon COBs 1203, 1204, 1205 | • Luminus CLM-9 (ACxx), CXM-9 (ACxx), CHM-9 (ACxx), CXM-11 (ACxx), CLM-14 (ACxx), CXM-14 (ACxx), CHM-14 (ACxx)<br>• Lustrous LUSTRON 6 series LL604F, LL608D, LL613F, LL620F<br>• Osram Soleriq P6, P9, P13, S13, S19, E30<br>• Prolight Opto PACE, PABS, PABA, PACB, PANA<br>• Seoul Semiconductor ZC6, ZC12, ZC18<br>• Sharp Mega Zenigata, Mini Zenigata<br>• Tridonic TALEXX Stark SLE GEN3-19, -23, Mini LES-10, LES-17, TALEXXmodule SLE GEN4 10/15mm, 15mm D50, SLE GEN5 06/11/15mm, SLE GEN6 10/15mm, 15mm D50<br>• Vossloh Schwabe Luga Shop C 2016 DMC 124, 125, 128 |
| | ModuLED Pico 4780-B | ModuLED LED star cooler for spot and downlight designs from 600 to 2,200 lumen | 17 | 47 | 80 | 4.2 | | |
| | ModuLED Nano 7050-B | ModuLed LED star cooler for spot and downlight designs from 1,000 to 3,100 lumen | 32.42 | 70 | 50 | 2.2 | • Zhaga Book 3 Spot Light Modules<br>- Edison Edilex SLM<br>- Osram PrevaLED Core AC / AC PRO<br>- Philips Fortimo SLM<br>- Seoul Semiconductor ACrich AC Zhaga<br>- Sharp INTERMO<br>- Tridonic TALEXX Stark SLE<br>- Vossloh Schwabe Luga Shop<br>• Bridgelux, Vero 10/13/18, V-series<br>• Citizen CITILED CLL022-CLU024-CLU026-CLU028, CLL032-CLU034-CLU036-CLU038,CLU700, CLU710, CLU720<br>• Cree XLamp CXA13, CXB13, CXA15, CXB15, CXA18, CXB18<br>• Edison EdiPower III Star/HM/CAC series<br>• LG Innotek LEMWM18 10W, 13W, 17W, 24W | • Lumileds Luxeon COBs 1203, 1204, 1205, 1208, 1211, 1216<br>• Luminus CLM-9 (ACxx), CXM-9 (ACxx), CHM-9 (ACxx), CXM-11 (ACxx), CHM-11-XH00, CLM-14 (ACxx), CXM-14 (ACxx), CHM-14 (ACxx), CVM-14, CXM-18, CLM-22<br>• Lustrous LUSTRON 6 series LL604F, LL608D, LL613F, LL620F<br>• Osram Soleriq P6, P9, P13, S13, S19, E30, E45<br>• Prolight Opto PACE, PACF, PABS, PABA, PACB, PACC, PANA<br>• Seoul Semiconductor ZC6, ZC12, ZC18, ZC25, ZC40<br>• Sharp Mega Zenigata, Tiger Zenigata, Mini Zenigata<br>• Tridonic TALEXX Stark SLE GEN3-19, -23, Mini LES-10, LES-17, TALEXXmodule SLE GEN4 10/15/19/23mm, 15mm D50, SLE GEN5 06/11/15/19/23mm, SLE GEN6 10/15/17/19/23mm, 15/17mm D50<br>• Vossloh Schwabe Luga Shop C 2016 DMC 124, 125, 128 |
| | ModuLED Nano 7080-B | ModuLED LED star cooler for spot and downlight designs from1,200 to 3,800 lumen | 39.71 | 70 | 80 | 1.8 | | |

# Thermal
## Passive Cooling (continued)

| Supplier | Part Number | Category Description | Max Cooling Capacity (W) | Dimensions (mm) | Height (mm) | Thermal Resistance (K/W) | Product Compatibility | |
|---|---|---|---|---|---|---|---|---|
| MechaTronix | ModuLED Micro 8630-B | ModuLED LED star cooler for spot and downlight designs from 1,200 to 3,800 lumen | 40 | 86 | 30 | 1.8 | • Zhaga Book 3 Spot Light Modules<br>- Edison Edilex SLM<br>- Osram PrevaLED Core AC / AC PRO<br>- Philips Fortimo SLM<br>- Seoul Semiconductor ACrich AC Zhaga<br>- Sharp INTERMO<br>- Tridonic TALEXX Stark SLE<br>- Vossloh Schwabe Luga Shop<br>• Bridgelux, Vero & Décor Vero 10/13/18, V-series<br>• Citizen CITILED CLL022-CLU024-CLU026-CLU028, CLL032-CLU034-CLU036-CLU038, CLL042-CLU044-CLU046-CLU048, CLU700, CLU710, CLU720<br>• Cree XLamp CXA13, CXB13, CXA15, CXB15, CXA18, CXB18, CXA25, CXB25<br>• Edison EdiPower III Star/HM series<br>• LG Innotek LEMWM18 10W, 13W, 17W, 24W, LEMWM28, Eagle Eye | • Lumileds Luxeon COBs 1203, 1204, 1205, 1208, 1211, 1216<br>• Luminus CLM-9 (ACxx), CXM-9 (ACxx), CHM-9 (ACxx), CXM-11 (ACxx), CHM-11-XH00, CLM-14 (ACxx), CXM-14 (ACxx), CHM-14 (ACxx), CVM-14, CXM-18, CVM-18, CLM-22, CXM-22<br>• Osram PrevaLED Cube, Osram Soleriq P6, P9, P13, S13, S19, E30<br>• Philips Fortimo DLM Gen5<br>• Prolight Opto PACE, PACF, PACG, PABS, PABA, PACB, PACC, PACD<br>• Seoul Semiconductor ZC6, ZC12, ZC18, ZC25, ZC40<br>• Sharp Mega Zenigata, Tiger Zenigata, Mini Zenigata<br>• Tridonic TALEXX Stark SLE GEN3-19, -23, Mini LES-10, LES-17, TALEXXmodule SLE GEN4 10/15/19/23mm, 15mm D50, SLE GEN5 06/11/15/19/23mm, SLE GEN6 10/15/17/19/23mm, 15/17mm D50, DLE GEN2, GEN3 65mm<br>• Vossloh Schwabe Luga Shop C 2016 DMC 124, 125, 128 |
| | ModuLED Micro 8650-B | ModuLED LED star cooler for spot and downlight designs from 1,500 to 4,500 lumen | 47.14 | 86 | 50 | 1.5 | | |
| | ModuLED Micro 8680-B | ModuLED LED star cooler for spot and downlight designs from 1,800 to 5.500 lumen | 60 | 86 | 80 | 1.2 | | |
| | ModuLED 9950-B | ModuLED LED star cooler for spot and downlight designs from 1,600 to 5,000 lumen | 53.28 | 99 | 50 | 1.34 | • Zhaga Book 3 Spot Light Modules<br>- Edison Edilex SLM<br>- Osram PrevaLED Core AC / AC PRO<br>- Philips Fortimo SLM<br>- Seoul Semiconductor ACrich AC Zhaga<br>- Sharp INTERMO<br>- Tridonic TALEXX Stark SLE<br>- Vossloh Schwabe Luga Shop<br>• Bridgelux, V-series<br>• Citizen CITILED CLL032-CLU034-CLU036-CLU038, CLL042-CLU044-CLU046-CLU048, CLU710, CLU720 | • Edison EdiPower II HM/CAC series<br>• LG Innotek LEMWM18 10W, 13W, 17W, 24W, LEMWM28<br>• Luminus CXM-11 (ACxx), CHM-11-XH00, CLM-14 (ACxx), CXM-14 (ACxx), CHM-14 (ACxx), CVM-14, CXM-18, CVM-18, CLM-22, CXM-22<br>• Lustrous LUSTRON 6 series LL613F, LL620F, LL630F, LL630D, LL660D<br>• Prolight Opto PACF, PACG, PABA, PABB, PACC, PACD<br>• Seoul Semiconductor ZC18, ZC25, ZC40, ZC60<br>• Tridonic TALEXX Stark SLE GEN3-19, -23, Mini LES-17, TALEXXmodule SLE GEN4 15/19/23mm, 15mm D50, SLE GEN5 15/19/23mm, SLE GEN6 19/23mm, 15/17mm D50 |
| | ModuLED 9980-B | ModuLED LED star cooler for spot and downlight designs from 2,100 to 6,400 lumen | 69.85 | 99 | 80 | 1.02 | | |
| | ModuLED Xtra 9950-B | ModuLED LED star cooler for spot and downlight designs from 1,600 to 5,000 lumen | 53.28 | 99 | 50 | 1.34 | • Zhaga Book 3 Spot Light Modules<br>- Edison Edilex SLM<br>- Osram PrevaLED Core AC / AC PRO<br>- Philips Fortimo SLM, Sharp INTERMO<br>- Tridonic TALEXX Stark SLE<br>- Vossloh Schwabe Luga Shop<br>• Bridgelux, Vero & Décor Vero 10/13/18/29, V-series<br>• Cree XLamp CXA13, CXB13, CXA15, CXB15, CXA18, CXB18, CXA25, CXB25<br>• Edison EdiPower II HM / HR / SD series | • GE Infusion M series, DLM series, NPM series<br>• Lumileds Luxeon COBs 1204, 1205, 1208, 1211, 1216<br>• Lustrous LUSTRON 5 series X5 / DX5 / TX5 / XL5, LUSTRON 6 series LL613F, LL620F, LL660D<br>• Osram Soleriq P6, P9, P13, S13, S19, E30, E45<br>• Prolight Opto PACE, PACF, PACG, PABA, PACC, PACD<br>• Sharp Mega Zenigata, Tiger Zenigata, Mini Zenigata<br>• Vossloh Schwabe Luga Shop C 2016 DMC 124, 125, 128 |
| | ModuLED Xtra 9980-B | ModuLED LED star cooler for spot and downlight designs from 2,100 to 6,400 lumen | 69.85 | 99 | 80 | 1.02 | | |

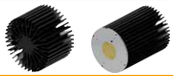
# Thermal
## Passive Cooling (continued)

| Supplier | Part Number | Category Description | Max Cooling Capacity (W) | Dimensions (mm) | Height (mm) | Thermal Resistance (K/W) | Product Compatibility | |
|---|---|---|---|---|---|---|---|---|
| MechaTronix | ModuLED Mega 13420-B | ModuLED LED star cooler for low and high bay designs from 1,600 to 5,000 lumen | 54.28 | 134 | 20 | 1.32 | • Zhaga Book 3 Spot Light Modules<br>- Edison Edilex SLM<br>- Osram PrevaLED Core<br>- Philips Fortimo SLM<br>- Seoul Semiconductor ACrich AC Zhaga<br>- Sharp INTERMO<br>- Tridonic TALEXXmodule SLE<br>- Vossloh Schwabe Luga Shop<br>• Bridgelux, Vero & Décor Vero 18/29, V-series<br>• Citizen CITILED CLL032-CLU034-CLU036-CLU038, CLL042-CLU044-CLU046-CLU048, CLL052-CLU054-CLU056-CLU058, CLU710, CLU720, CLU730<br>• Cree XLamp CXA18, CXB18, CXA25, CXB25, CXA30, CXB30<br>• Edison EdiPower II / III HM24, HM30, HM40, HM High Power series 120W<br>• GE Infusion M, DLM, NPM series LED module<br>• LG Innotek LEMWM18 17W, 24W, LEMWM28 40W | • Lumileds Luxeon 1205, 1208, 1211, 1216<br>• Luminus CHM-11-XH00, CHM-14 (ACxx), CVM-14, CXM-18, CVM-18, CLM-22, CXM-22, CHM-22<br>• Lustrous LUSTRON LL613F, LL620F, LL660D<br>• Osram PrevaLED Cube<br>• Osram Soleriq P13, S19, E30<br>• Philips Fortimo DLM Gen5<br>• Prolight Opto PACF, PACG, PABA, PACC, PACD<br>• Seoul Semiconductor ZC18, ZC25, ZC40, ZC60, ZC100<br>• Sharp Mega Zenigata, Tiger Zenigata<br>• Tridonic TALEXX Stark SLE series Gen3-19, -23, Mini LES-17, TALEXXmodule SLE GEN4 15/19/23mm, 15mm D50, SLE GEN5 15/19/23mm, SLE GEN6 19/23mm, 15/17mm D50, DLE GEN2, GEN3 65mm and FLE GEN1-30, -40 |
| | ModuLED Mega 13450-B | ModuLED LED star cooler for low and high bay designs from 2,400 to 7,300 lumen | 81.42 | 134 | 50 | 0.88 | | |
| | ModuLED Mega 134100-B | ModuLED LED star cooler for low and high bay designs from 3,300 to 10,000 lumen | 107.14 | 134 | 100 | 0.67 | | |
| | ModuLED Giga 15220-B | ModuLED LED star cooler for low and high bay designs from 2,000 to 6,000 lumen | 62.85 | 152 | 20 | 1.13 | • Zhaga Book 3 Spot Light Modules<br>- Edison Edilex SLM<br>- Osram PrevaLED Core<br>- Philips Fortimo SLM<br>- Seoul Semiconductor ACrich AC Zhaga<br>- Sharp INTERMO<br>- Tridonic TALEXXmodule SLE<br>- Vossloh Schwabe Luga Shop<br>• Bridgelux, Vero & Décor Vero 18/29, V-series<br>• Citizen CITILED CLL032-CLU034-CLU036-CLU038, CLL042-CLU044-CLU046-CLU048, CLL052-CLU054-CLU056-CLU058, CLU710, CLU720, CLU730<br>• Cree XLamp CXA18, CXB18, CXA25, CXB25<br>• Edison EdiPower II / III HM24, HM30, HM40<br>• GE Infusion M, DLM, NPM series LED module | • LG Innotek LEMWM18 17W, 24W, LEMWM28 40W<br>• Lumileds Luxeon 1205, 1208, 1211, 1216<br>• Luminus CVM-14, CVM-18, CLM-22, CXM-22, CHM-22<br>• Lustrous LUSTRON LL613F, LL620F, LL660D<br>• Osram Soleriq P13, S19, E30<br>• Philips Fortimo DLM Gen5<br>• Prolight Opto PACF, PACG, PACC, PACD<br>• Seoul Semiconductor ZC18, ZC25, ZC40, ZC60, ZC100<br>• Sharp Mega Zenigata, Tiger Zenigata<br>• Tridonic TALEXX Stark SLE series GEN3-19, -23, Mini LES-17, TALEXXmodule SLE GEN4 15/19/23mm, SLE GEN5 15/19/23mm, SLE GEN6 19/23mm, 17mm D50, DLE GEN2, GEN3 65mm and FLE GEN1-30 |
| | ModuLED Giga 15250-B | ModuLED LED star cooler for low and high bay designs from 3,000 to 9,000 lumen | 101.42 | 152 | 50 | 0.7 | | |

# Thermal
## Passive Cooling (continued)

| Supplier | Part Number | Category Description | Max Cooling Capacity (W) | Dimensions (mm) | Height (mm) | Thermal Resistance (K/W) | Product Compatibility | |
|---|---|---|---|---|---|---|---|---|
| MechaTronix | ModuLED Mega 13450-B-HBG | LED High Bay Heat Sinks Luminaire cooling performance 2,400 to 7,300 lumen | 81.42 | 134 | 50 | 0.88 | • MEAN WELL HBG-60 and HBG-100 LED driver<br>• Inventronics EUR-096S driver<br>• Zhaga Book 3 Spot Light Modules<br>- Edison Edilex SLM<br>- Osram PrevaLED Core<br>- Philips Fortimo SLM<br>- Seoul Semiconductor ACrich AC Zhaga<br>- Sharp INTERMO<br>- Tridonic TALEXXmodule SLE<br>- Vossloh Schwabe Luga Shop<br>• Bridgelux, Vero & Décor Vero 18/29, V-series<br>• Citizen CITILED CLL032-CLU034-CLU036-CLU038, CLL042-CLU044-CLU046-CLU048, CLL052-CLU054-CLU056-CLU058, CLU710, CLU720, CLU730<br>• Cree XLamp CXA25, CXB25, CXA30, CXB30<br>• Edison EdiPower II / III HM24, HM30, HM40, HM High Power series, EdiLex Spot Light Module (SLM) | • GE Infusion M, DLM, NPM series LED module<br>• LG Innotek LEMWM18 17W, 24W, LEMWM28 40W<br>• Lumileds Luxeon 1205, 1208, 1211, 1216<br>• Luminus CVM-14, CXM-18, CVM-18, CLM-22, CXM-22, CHM-22<br>• Lustrous LUSTRON LL613F, LL620F, LL660D<br>• Osram PrevaLED Cube, Cobe AC, Core Z5<br>• Osram Soleriq P13, S19, E30<br>• Philips Fortimo DLM Gen5, SLM Gen6<br>• Prolight Opto PACF, PACG, PABA, PACC, PACD<br>• Seoul Semiconductor ZC40, ZC60, ZC100<br>• Sharp INTERMO Standard / Slim, Mega Zenigata, Tiger Zenigata<br>• Tridonic TALEXX Stark SLE series Gen3-19 / 23, Mini LES-17, TALEXXmodule SLE GEN4 15/19/23mm, 15mm D50, SLE GEN5 15/19/23mm, SLE GEN6 19/23mm, 15/17mm D50, DLE GEN2, GEN3 65mm and FLE GEN1-30 / 40 |
| | ModuLED Mega 134100-B-HBG | LED High Bay Heat Sinks Luminaire cooling performance 3,300 to 10,000 lumen | 107.14 | 134 | 100 | 0.67 | | |
| | ModuLED Giga 152100-B-HBG | LED High Bay Heat Sinks Luminaire cooling performance 8,000 to 14,000 lumen | 135.71 | 152 | 100 | 0.52 | • MEAN WELL HBG-160 LED driver<br>• Inventronics EUR-150S driver<br>• Zhaga Book 3 LED modules<br>• Bridgelux Vero 29, Décor Vero 29<br>• Citizen CITILED CLL032-CLU034-CLU036-CLU038, CLL042-CLU044-CLU046-CLU048, CLL052-CLU054-CLU056-CLU058, CLU730<br>• Cree XLamp CXA18, CXB18, CXA25, CXB25, CXA30, CXB30, CXA35, CXB35<br>• Edison EdiPower II / III HM30, HM40, High Power 120W/150W, EdiLex Spot Light Module (SLM)<br>• GE Infusion M, DLM, NPM series<br>• LG Innotek LEMWM18 24W, LEMWM28 40W | • Lumileds Luxeon 1205, 1208, 1211, 1216<br>• Luminus CLM-22, CXM-22, CHM-22, CXM-32<br>• Lustrous LUSTRON LL620F, LL660D<br>• Osram PrevaLED Core Z5<br>• Osram Soleriq S19, E30, P13<br>• Philips Fortimo DLM Gen5<br>• Prolight Opto PACD, PACF, PACG<br>• Seoul Semiconductor ZC60, ZC100<br>• Sharp INTERMO Standard / Slim, Mega Zenigata<br>• Tridonic TALEXX Stark SLE GEN3-19 / 23, Gen4-19 / 23, Gen5-15 / 23, Gen6 19 / 23, FLE Gen1<br>• Vossloh Schwabe Luga Shop 2014, C2016, Industrial LED modules |
| | ModuLED Giga 152150-B-HBG | LED High Bay Heat Sinks Luminaire cooling performance 10,000 to 16,000 lumen | 157.14 | 152 | 150 | 0.46 | | |

# Thermal
## Passive Cooling (continued)



| Supplier | Part Number | Category Description | Max Cooling Capacity (W) | Dimensions (mm) | Height (mm) | Thermal Resistance (K/W) | Product Compatibility | |
|---|---|---|---|---|---|---|---|---|
| MechaTronix | CoolBay® Giga-A | Advanced High Bay and industrial LED cooler with pure passive cooling up to 22,000 lumen | 220 | 152 | 200 | 0.34 | • MEAN WELL HBG-160 LED driver<br>• Inventronics EUR-150S driver<br>• Zhaga Book 3 LED modules<br>• Citizen CLU046-CLU048, CLU056-CLU058 | • Edison HM High Power series<br>• Luminus CXM-32<br>• Seoul Semiconductor ZC100<br>• Vossloh Schwabe Luga Shop C2016 |
| | CoolBay® Giga-B | Advanced High Bay and industrial LED cooler with pure passive cooling up to 22,000 lumen | 220 | 152 | 200 | 0.34 | • MEAN WELL HBG-160 LED driver<br>• Inventronics EUR-150S driver<br>• Bridgelux Vero 29 & Décor Vero 29<br>• Citizen CLU046-CLU048, CLU056-CLU058 | • Cree CXA35 / CXB35<br>• Luminus CXM-32<br>• Tridonic FLE<br>• Vossloh Schwabe Luga Shop C2016 |
| | CoolBay® Tera-A | Advanced High Bay and industrial LED cooler with pure passive cooling up to 35,000 lumen | 500 | 192 | 250 | 0.22 | • MEAN WELL HBG-240 LED driver<br>• Inventronics EUR-240S driver<br>• Zhaga Book 3 LED modules<br>• Citizen CLU046-CLU048, CLU056-CLU058, CLU550 | • Edison HM High Power series<br>• Luminus CXM-32, CVM-32<br>• Seoul Semiconductor ZC100,<br>• Vossloh Schwabe Luga Shop C2016 |
| | CoolBay® Tera-B | Advanced High Bay and industrial LED cooler with pure passive cooling up to 35,000 lumen | 500 | 192 | 250 | 0.22 | • MEAN WELL HBG-240 LED driver<br>• Inventronics EUR-240S driver<br>• Bridgelux Vero 29, Décor Vero 29<br>• Citizen CLU046-CLU048, CLU056-CLU058, CLU550 | • Cree CXA35 / CXB35<br>• Luminus CXM-32, CVM-32<br>• Tridonic FLE<br>• Vossloh Schwabe Luga Shop C2016 |

LED ASSOCIATIVE PRODUCTS

| Supplier | Part Number | Product Description | Max Cooling Capacity (W) | Dimensions (mm) | Height (mm) | Thermal Resistance (°C/W) | Input Voltage | Power Consumption (W) | Product Compatibility | |
|---|---|---|---|---|---|---|---|---|---|---|
| MechaTronix | IceLED 450 | IceLED 450 Modular Active Star LED Cooler ø99mm for spot & downlight designs from 2,000 to 8,000 lumen | 122.14 | 99 | 45 | 0.58 | 12 | 0.6 | • Zhaga Book 3 Spot Light Modules<br>- Edison Edilex SLM<br>- Osram PrevaLED Core AC / AC PRO<br>- Philips Fortimo SLM<br>- Sharp INTERMO<br>- Tridonic TALEXX Stark SLE<br>- Vossloh Schwabe Luga Shop<br>• Bridgelux, V-series LED arrays<br>• Citizen CITILED CLL032-CLU034-CLU036-CLU038, CLL042-CLU044-CLU046-CLU048, CLL052-CLU054-CLU056-CLU058, CLU730 | • Edison EdiPower III HM30 / HM40<br>• LG Innotek LEMWM18 17W, 24W, LEMWM28 40W<br>• Luminus CLM-22, CXM-22, CHM-22<br>• Lustrous LUSTRON 6 series LL613F, LL620F, LL630F, LL630D, LL660D<br>• Prolight Opto PACF, PACG, PABA, PABB, PACD<br>• Seoul Semiconductor ZC25, ZC40, ZC60, ZC100<br>• Tridonic TALEXX Stark SLE GEN3 Mini LES-17 |
| | IceLED 550 | IceLED 550 Modular Active Star LED Cooler ø99mm for spot and downlight designs from 4,200 to 12,800 lumen | 155.71 | 99 | 55 | 0.46 | 12 | 0.6 | | |
| | IceLED Xtra 550 | IceLED Xtra 550 Modular Active Star LED Cooler ø99mm for spot and downlight designs from 4,200 to 12,800 lumen | 155.71 | 99 | 55 | 0.46 | 12 | 0.6 | • Zhaga Book 3 Spot Light Modules<br>- Edison Edilex SLM<br>- Osram PrevaLED Core<br>- Philips Fortimo SLM<br>- Sharp INTERMO<br>- Tridonic TALEXX Stark SLE<br>- Vossloh Schwabe Luga Shop<br>• Bridgelux, Vero & Décor Vero 13/18/29, V-series LED arrays<br>• Cree XLamp CXA15, CXB15, CXA18, CXB18, CXA25, CXB25, CXA30, CXB30 | • Edison EdiPower III HM / HR / SD series<br>• GE Infusion M series, DLM series, NPM series<br>• Lumileds Luxeon COBs 1208, 1211, 1216<br>• Lustrous LUSTRON 5 series XL5, LUSTRON 6 series LL613F, LL620F, LL660D<br>• Osram Soleriq P9, P13, S19, E30, E45<br>• Prolight Opto PACF, PACG, PABA, PACD<br>• Sharp Mega Zenigata, Tiger Zenigata |
| | IceLED Ultra | IceLED Ultra Modular Active Star LED cooler ø99mm for low bay, high bay and industrial designs up to 20,000 lumen | 285.71 | 99 | 75 | 0.25 | 12 | 2.76 | • Zhaga Book 3 Spot Light Modules<br>- Edison Edilex SLM,<br>- Osram PrevaLED Core AC / AC PRO<br>- Philips Fortimo SLM<br>- Sharp INTERMO<br>- Tridonic TALEXX Stark SLE<br>• Citizen CITILED CLL042-CLU044-CLU046-CLU048, CLL052-CLU054-CLU056-CLU058 | • Edison EdiPower II HM30 / HM40<br>• LG Innotek LEMWM28 40W<br>• Luminus CLM-22, CXM-22, CHM-22<br>• Lustrous LUSTRON 6 series LL620F, LL660D<br>• Prolight Opto PACG, PABB, PACD<br>• Seoul Semiconductor ZC100 |
| | IceLED Xtra Ultra | IceLED Xtra Ultra Modular Active Star LED cooler ø99mm for high bays, flood lights and industrial lighting designs from 5,000 to 20,000 lumen | 285.71 | 99 | 75 | 0.25 | 12 | 2.76 | • Zhaga Book 3 Spot Light Modules<br>- Edison Edilex SLM<br>- Sharp INTERMO<br>- Tridonic TALEXX Stark SLE<br>- Vossloh Schwabe Luga Shop<br>• Bridgelux, Vero & Décor Vero 29 LED arrays<br>• Cree XLamp CXA18, CXB18, CXA25, CXB25, CXA30, CXB30 | • Edison EdiPower III HM / HR / SD series<br>• GE Infusion M series, DLM series, NPM series<br>• Lumileds Luxeon COBs 1208, 1211, 1216<br>• Lustrous LUSTRON 6 series LL620F, LL660D<br>• Prolight Opto PACG, PACD<br>• Sharp Mega Zenigata |


LED ASSOCIATIVE PRODUCTS

# Connectors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HIROSE ELECTRIC U.S.A.

TE connectivity
AUTHORIZED DISTRIBUTOR



# Connectors
## Wire to Board

HIROSE ELECTRIC U.S.A.

| Supplier | Product Family | Part Number | Description | Data Sheet Link |
|---|---|---|---|---|
| Hirose | DF61 Board to Wire Swing Lock Low Profile Power Connector | DF61-2P-2.2V(21) | Straight header SMT 2 position. Color: red | http://www.hirose.co.jp/cataloge_hp/ed_DF61_20140305.pdf |
| | | DF61-2P-2.2V(22) | Straight header SMT 2 position. Color: yellow | |
| | | DF61-2P-2.2V(23) | Straight header SMT 2 position. Color: beige | |
| | | DF61-2S-2.2C(11) | SMT crimp socket 2 position. Color: red | |
| | | DF61-2S-2.2C(12) | SMT crimp socket 2 position. Color: yellow | |
| | | DF61-2S-2.2C(13) | SMT crimp socket 2 position. Color: white | |
| | | DF61-2628SCF | Crimp contact for 26-28 AWG, tin plated | |
| | | DF61-2226SCF(41) | Crimp contact for 22-26 AWG, tin plated | |
| | DF59 Low Profile Swing Lock Multi-function System | DF59-2S-2V(51) | 2 Position SMT header 2.0mm pitch | http://www.hirose.co.jp/cataloge_hp/ed_DF59_20140821.pdf |
| | | DF59-2S-4V(51) | 2 Position SMT header 4.0mm pitch (skipped center) | |
| | | DF59-3S-2V(51) | 3 Position SMT header 2.0mm pitch | |
| | | DF59-4S-2V(51) | 4 Position SMT header 2.0mm pitch | |
| | | DF59-2P-2C | 2 Position crimp housing 2.0mm pitch 22 AWG | |
| | | DF59-3P-2C | 3 Position crimp housing 2.0mm pitch 22 AWG | |
| | | DF59-4P-2C | 4 Position crimp housing 2.0mm pitch 22 AWG | |
| | | DF59-2P-2FC(50) | 2 Position B2B Bridge 2.0mm pitch | |
| | | DF59-2P-4FC(50) | 2 Position B2B Bridge 4.0mm pitch (skipped center) | |
| | | DF59-3P-2FC(50) | 3 Position B2B Bridge 2.0mm pitch | |
| | | DF59-4P-2FC(50) | 4 Position B2B Bridge 2.0mm pitch | |
| | | DF59-2P-2SP(50) | 2 Position Shorting Plug | |
| | | DF59-3P-2SP(50) | 3 Position Shorting Plug | |
| | | DF59-22PCFA | Crimp contact for 22 AWG gold plated | |
| | DF59M Single Position, Wire to Board Connectors | DF59M-1S-H(21) | 1 Position SMT header | http://hrs.hiroseusa.com/image/DF59M_rev_CT.pdf |
| | | DF59M-2224PCF | Crimp contact for 22-24 AWG, tin plated | |
| | | DF59M-2628PCF | Crimp contact for 26-28 AWG, tin plated | |
| | DF52 Series Wire to Board Connectors | DF52-10P-0.8C | 10 Position crimp Plug housing | https://www.hirose.com/product/en/products/DF52 |
| | | DF52-10S-0.8H(21) | 10 Position SMT Receptacle | |
| | | DF52-12P-0.8C | 12 Position crimp Plug housing | |
| | | DF52-12S-0.8H(21) | 12 Position SMT Receptacle | |
| | | DF52-14P-0.8C | 14 Position crimp Plug housing | |
| | | DF52-14S-0.8H(21) | 14 Position SMT Receptacle | |
| | | DF52-15P-0.8C | 15 Position crimp Plug housing | |
| | | DF52-15S-0.8H(21) | 15 Position SMT Receptacle | |
| | | DF52-160P-0.8C | 16 Position crimp Plug housing | |
| | | DF52-16S-0.8H(21) | 16 Position SMT Receptacle | |
| | | DF52-17P-0.8C | 17 Position crimp Plug housing | |
| | | DF52-17S-0.8H(21) | 17 Position SMT Receptacle | |
| | | DF52-20P-0.8C | 20 Position crimp Plug housing | |
| | | DF52-20S-0.8H(21) | 20 Position SMT Receptacle | |
| | | DF52-2832PCF | Crimp contact28-32AWG, tin plated | |
| | | DF52-2P-0.8C | 2 Position crimp Plug housing | |
| | | DF52-2S-0.8H(21) | 2 Position SMT Receptacle | |
| | | DF52-3P-0.8C | 3 Position crimp Plug housing | |
| | | DF52-3S-0.8H(21) | 3 Position SMT Receptacle | |
| | | DF52-4P-0.8C | 4 Position crimp Plug housing | |
| | | DF52-4S-0.8H(21) | 4 Position SMT Receptacle | |
| | | DF52-5P-0.8C | 5 Position crimp Plug housing | |

| Supplier | Product Family | Part Number | Description | Data Sheet Link |
|---|---|---|---|---|
| Hirose | DF52 Series Wire to Board Connectors | DF52-5S-0.8H(21) | 5 Position SMT Receptacle | https://www.hirose.com/product/en/products/DF52 |
| | | DF52-6P-0.8C | 6 Position crimp Plug housing | |
| | | DF52-6S-0.8H(21) | 6 Position SMT Receptacle | |
| | | DF52-8P-0.8C | 8 Position crimp Plug housing | |
| | | DF52-8S-0.8H(21) | 8 Position SMT Receptacle | |
| | KN27 Series Wire to Board Connectors | KN27-1S-H(835) | 1 Position SMT Receptacle | https://www.hirose.com/product/en/products/KN27 |
| | | KN27-2S-4H(835) | 2 Position SMT Receptacle | |
| | DF65 Series Wire to Board Connectors | DF65-2428SCF | Crimp contact 24-28 AWG, tin plated | https://www.hirose.com/product/en/products/DF65 |
| | | DF65-2428SCFA(05) | Crimp contact 24-28 AWG, gold plated | |
| | | DF65-3P-1.7V(21) | 3 Position SMT header 1.7 mm pitch | |
| | | DF65-3S-1.7C | 3 Position crimp socket 1.7 mm pitch | |
| | | DF65-4P-1.7V(21) | 4 Position SMT header 1.7 mm pitch | |
| | | DF65-4S-1.7C | 4 Position crimp socket 1.7 mm pitch | |
| | | DF65-5P-1.7V(21) | 5 Position SMT header 1.7 mm pitch | |
| | | DF65-5S-1.7C | 5 Position crimp socket 1.7 mm pitch | |
| | | DF65-6P-1.7V(21) | 6 Position SMT header 1.7 mm pitch | |
| | | DF65-6S-1.7C | 6 Position crimp socket 1.7 mm pitch | |
| | | DF65-7P-1.7V(21) | 7 Position SMT header 1.7 mm pitch | |
| | | DF65-7P-1.7V(76) | 7 Position SMT header 1.7 mm pitch | |
| | | DF65-7S-1.7C | 7 Position crimp socket 1.7 mm pitch | |
| | DF57 Series Wire to Board Connectors | DF57-2628SCF(41) | Crimp contact 26-28 AWG, tin plated | https://www.hirose.com/product/en/products/DF57 |
| | | DF57-2628SCFA(41) | Crimp contact 26-28 AWG, gold plated | |
| | | DF57-2830SCF | Crimp contact 28-30 AWG, tin plated | |
| | | DF57-2830SCFA | Crimp contact 28-30 AWG, gold plated | |
| | | DF57-3234SCF | Crimp contact 32-34 AWG, tin plated | |
| | | DF57AH-2S-1.2C | 2 Position crimp socket 1.2 mm pitch | |
| | | DF57AH-5S-1.2C | 5 Position crimp socket 1.2 mm pitch | |
| | | DF57AH-5S-1.2C(10) | 5 Position crimp socket 1.2 mm pitch | |
| | | DF57AH-6S-1.2C | 6 Position crimp socket 1.2 mm pitch | |
| | | DF57AH-6S-1.2C(10) | 6 Position crimp socket 1.2 mm pitch | |
| | | DF57H-2P-1.2V(21) | 2 Position SMT header 1.2 mm pitch HOUSING COLOR: BLACK | |
| | | DF57H-2P-1.2V(23) | 2 Position SMT header 1.2 mm pitch HOUSING COLOR: NATURAL | |
| | | DF57H-2P-2.4V(21) | 2 Position SMT header 2.4 mm pitch HOUSING COLOR: BLACK | |
| | | DF57H-2P-2.4V(23) | 2 Position SMT header 2.4 mm pitch HOUSING COLOR: NATURAL | |
| | | DF57H-2S-1.2C | 2 Position crimp socket 1.2 mm pitch NOT HALOGEN FREE MATERIAL(PBT), HOUSING COLOR: NATURAL | |
| | | DF57H-2S-1.2C(08) | 2 Position crimp socket 1.2 mm pitch HALOGEN FREE MATERIAL(LCP), HOUSING COLOR: NATURAL | |



| Supplier | Product Family | Part Number | Description | Data Sheet Link |
|---|---|---|---|---|
| Hirose | DF57 Series Wire to Board Connectors | DF57H-2S-1.2C(15) | 2 position crimp socket 1.2 mm pitch HALOGEN FREE MATERIAL(LCP), HOUSING COLOR: BLACK | https://www.hirose.com/product/en/products/DF57 |
| | | DF57H-3P-1.2V(21) | 3 Position SMT header 1.2 mm pitch | |
| | | DF57H-3S-1.2C | 3 position crimp socket 1.2 mm pitch NOT HALOGEN FREE MATERIAL(PBT), HOUSING COLOR:NATURAL | |
| | | DF57H-3S-1.2C(08) | 3 position crimp socket 1.2 mm pitch HALOGEN FREE MATERIAL(LCP), HOUSING COLOR: NATURAL | |
| | | DF57H-3S-1.2C(15) | 3 position crimp socket 1.2 mm pitch HALOGEN FREE MATERIAL(LCP), HOUSING COLOR: BLACK | |
| | | DF57H-4P-1.2V(21) | 4 Position SMT header 1.2 mm pitch TIN PLATING | |
| | | DF57H-4P-1.2V(51) | 4 Position SMT header 1.2 mm pitch GOLD PLATING 0.2μm | |
| | | DF57H-4S-1.2C | 4 position crimp socket 1.2 mm pitch NOT HALOGEN FREE MATERIAL(PBT), HOUSING COLOR:NATURAL | |
| | | DF57H-4S-1.2C(08) | 4 position crimp socket 1.2 mm pitch HALOGEN FREE MATERIAL(LCP), HOUSING COLOR: NATURAL | |
| | | DF57H-4S-1.2C(15) | 4 position crimp socket 1.2 mm pitch HALOGEN FREE MATERIAL(LCP), HOUSING COLOR: BLACK | |
| | | DF57H-5P-1.2V(21) | 5 Position SMT header 1.2 mm pitch | |
| | | DF57H-5S-1.2C | 5 position crimp socket 1.2 mm pitch NOT HALOGEN FREE MATERIAL(PBT), HOUSING COLOR: NATURAL | |
| | | DF57H-5S-1.2C(08) | 5 position crimp socket 1.2 mm pitch HALOGEN FREE MATERIAL(LCP), HOUSING COLOR: NATURAL | |
| | | DF57H-5S-1.2C(15) | 5 position crimp socket 1.2 mm pitch HALOGEN FREE MATERIAL(LCP), HOUSING COLOR: BLACK | |
| | | DF57H-6P-1.2V(21) | 6 Position SMT header 1.2 mm pitch HOUSING COLOR: BLACK | |
| | | DF57H-6P-1.2V(23) | 6 Position SMT header 1.2 mm pitch HOUSING COLOR: NATURAL | |
| | | DF57H-6S-1.2C | 6 position crimp socket 1.2 mm pitch NOT HALOGEN FREE MATERIAL(PBT), HOUSING COLOR: NA | |
| | | DF57H-6S-1.2C(08) | 6 position crimp socket 1.2 mm pitch HALOGEN FREE MATERIAL(LCP), HOUSING COLOR: NATURAL | |
| | | DF57H-6S-1.2C(15) | 6 position crimp socket 1.2 mm pitch HALOGEN FREE MATERIAL(LCP), HOUSING COLOR: BLACK | |
| | | DF57J-2P-1.2V(21) | 2 Position SMT header 1.2 mm pitch | |
| | | DF57J-5P-1.2V(21) | 5 Position SMT header 1.2 mm pitch | |




LED ASSOCIATIVE PRODUCTS

# Connectors
## Wire to Board (continued)

| Supplier | Product Family | Part Number | Description | Data Sheet Link |
|---|---|---|---|---|
| TE Connectivity | LED Poke-In Connectors | 2134611-1 | SMT Micro Poke-In, 1 Position, Natural | te.com/lighting |
| | Modular Releasable Poke-In Connectors | 2834006-1 | SMT Modular Releasable Poke-In, 1 Position, Natural | |
| | | 2834006-2 | SMT Modular Releasable Poke-In, 2 Position, Natural | |
| | | 2834006-3 | SMT Modular Releasable Poke-In, 3 Position, Natural | |
| | | 5-2834006-2 | SMT Modular Releasable Poke-In, 2 Position, White/Red | |
| | | 1-2834006-0 | SMT Modular Releasable Poke-In, 2 Position, Grey/Blue | |
| | | 5-3834006-2 | SMT Modular Releasable Poke-In, 3 Position, Black/White/Red | |
| | SMT Slim Contact | 2834167-3 | Releasable Slim Contact | |
| | | 2834171-3 | Ultraminiature Slim Contact | |
| | | 2834172-3 | Slim Pin Contact | |
| | | 2834010-3 | SMT Slim Contact, 20-24 AWG | |
| | | 2834012-3 | SMT Slim Contact, 16-20 AWG | |
| | Dimming Receptacle Assembly | 2213362-1 | 3/2 Dimming Receptacle Assembly, 150° C | |
| | | 2213362-2 | 3/4 Dimming Receptacle Assembly, 150° C | |
| | | 2213362-3 | 3/2 Dimming Receptacle Assembly, 105° C | |
| | | 2213362-4 | 3/4 Dimming Receptacle Assembly, 105° C | |
| | Rotatable Dimming Receptacle Assembly | 2213627-1 | 3/2 Rotatable Dimming Receptacle Assembly, 150° C | |
| | | 2213627-2 | 3/4 Rotatable Dimming Receptacle Assembly, 150° C | |
| | | 2213627-3 | 3/2 Rotatable Dimming Receptacle Assembly, 105° C | |
| | | 2213627-4 | 3/4 Rotatable Dimming Receptacle Assembly, 105° C | |
| | Photo Control Spring Leaf Contact | 2213365-1 | Spring Leaf Contact (On Reel) | |
| | | 2213365-3 | Spring Leaf Contact (Loose Piece and Formed) | |
| | | 2213497-1 | Spring Leaf Contact, Shorten Length (On Reel) | |
| | Dimming Receptacle Gasket | 2213469-1 | Gasket, Photo Control | |
| | | 2213626-1 | Gasket, Rotatable Photo Control | |
| | Photo Control Base Assembly | 2213730-1 | 76mm Diameter Photo Control Base Assembly | |
| | Photo Control Dome | 2213748-1 | 76mm Diameter Photo Control Dome | |





| Supplier | Product Family | Part Number | Description | Data Sheet Link |
|---|---|---|---|---|
| TE Connectivity | SlimSeal Connector Standard Series | 2106135-2 | 2 Position Plug Assembly | te.com/lighting |
| | | 2106135-3 | 3 Position Plug Assembly | |
| | | 2106135-4 | 4 Position Plug Assembly | |
| | | 2106136-2 | 2 Position Receptacle Assembly | |
| | | 2106136-3 | 3 Position Receptacle Assembly | |
| | | 2106136-4 | 4 Position Receptacle Assembly | |
| | | 2106053-2 | 2 Position Vertical SMT Header | |
| | | 2106053-4 | 3 Position Vertical SMT Header | |
| | | 2106053-6 | 4 Position Vertical SMT Header | |
| | | 2106056-2 | 2 Position Right Angle SMT Header | |
| | | 2106056-5 | 3 Position Right Angle SMT Header | |
| | | 2106056-8 | 4 Position Right Angle SMT Header | |
| | | 2106123-1 | 18-20 AWG Receptacle Terminal | |
| | | 2106123-2 | 18-20 AWG Receptacle Terminal (Loose Piece) | |
| | | 2106124-2 | 18-20 AWG Blade Terminal | |
| | | 2106124-9 | 18-20 AWG Blade Terminal (Loose Piece) | |
| | Hermaphroditic Wire To Board Plug HSG | 2058299-1 | Connector, Plug Housing, 2 Position White | |
| | | 2058299-2 | Connector, Plug Housing, 4 Position White | |
| | | 2058299-3 | Connector, Plug Housing, 6 Position White | |
| | Wire to Board Contacts | 2058301-1 | Terminal, Blade | |
| | | 2058302-1 | Terminal, Socket | |
| | | 2058301-2 | Terminal, Blade, Loose Piece | |
| | | 2058302-2 | Terminal, Socket, Loose Piece | |
| | | 2213373-1 | Terminal, Socket, Select Gold | |
| | | 2213374-1 | Terminal, Blade, Select Gold | |
| | Wire to Board Plug Assemblies | 2058300-1 | Assembly, Plug, 2 Position with 4 Inch Wire Leads-White | |
| | | 2058300-2 | Assembly, Plug, 4 Position with 4 Inch Wire Leads-White | |
| | | 2058300-3 | Assembly, Plug, 6 Position with 4 Inch Wire Leads-White | |
| | Inverted Thru Board Connectors | 2106091-1 | Connector, SMT 2 Position, White | |
| | | 2106091-2 | Connector, SMT 3 Position, White | |
| | | 2106091-3 | Connector, SMT 4 Position, White | |
| | | 2106091-4 | Connector, SMT 5 Position, White | |
| | | 2106091-5 | Connector, SMT 6 Position, White | |
| | Inverted Thru Board MINI CT Plug Assembly | 2058943-1 | Assembly, Plug, 2 Position with 6 Inch Leads | |
| | | 2058943-2 | Assembly, Plug, 3 Position with 6 Inch Leads | |
| | | 2058943-3 | Assembly, Plug, 4 Position with 6 Inch Leads | |
| | | 2058943-4 | Assembly, Plug, 5 Position with 6 Inch Leads | |
| | | 2058943-5 | Assembly, Plug, 6 Position with 6 Inch Leads | |

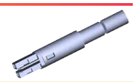
# Connectors
## Wire to Board (continued)

AUTHORIZED DISTRIBUTOR

| Supplier | Product Family | Part Number | Description | Data Sheet Link |
|---|---|---|---|---|
| TE Connectivity | High Power Inverted Thru Board Connectors | 2154829-1 | 2 Position High Power Inverted Thru Board Connectors | te.com/lighting |
| | | 2154829-2 | 3 Position High Power Inverted Thru Board Connectors | |
| | | 2154829-3 | 4 Position High Power Inverted Thru Board Connectors | |
| | High Power Inverted Thru Board Cable Assembly | 2154828-1 | 2 Position High Power Inverted Thru Board Cable Assembly | |
| | | 2154828-2 | 3 Position High Power Inverted Thru Board Cable Assembly | |
| | | 2154828-3 | 4 Position High Power Inverted Thru Board Cable Assembly | |
| | IDC SSL Connectors | 2106003-2 | 2 Position, IDC SMT Assembly, 18 AWG | |
| | | 2106003-3 | 3 Position, IDC SMT Assembly, 18 AWG | |
| | | 1-2106003-2 | 2 Position, IDC SMT Assembly, 20 AWG | |
| | | 1-2106003-3 | 3 Position, IDC SMT Assembly, 20 AWG | |
| | | 2106431-2 | 2 Position, IDC SMT Assembly, 18 AWG | |
| | | 1-2106431-2 | 2 Position, IDC SMT Assembly, 20 AWG | |
| | | 1-2106431-3 | 3 Position, IDC SMT Assembly, 20 AWG | |
| | | 2-2106431-2 | 2 Position, IDC SMT Assembly, 22 AWG | |
| | | 3-2106431-2 | 2 Position, IDC SMT Assembly, 24 AWG | |
| | | 2-2106003-2 | 2 Position, IDC SMT Assembly Closed End, 22 AWG | |
| | | 2-2106003-3 | 3 Position, IDC SMT Assembly Closed End, 22 AWG | |
| | | 2106431-1 | 1 Position, IDC SMT Assembly Pass Thru, 18 AWG | |
| | | 1-2106431-1 | 1 Position, IDC SMT Assembly Pass Thru, 20 AWG | |
| | | 2-2106431-3 | 3 Position, IDC SMT Assembly Pass Thru, 22 AWG | |
| | | 3-2106431-3 | 3 Position, IDC SMT Assembly Pass Thru, 24 AWG | |
| | | 3-2106751-1 | 1 Position, IDC Thru Hole Assembly Pass Thru, 24 AWG | |
| | | 1-2106489-4 | 4 Position, IDC Thru Hole Assembly Closed End, 20 AWG | |
| | LUMAWISE LED Holders | 2213118-2 | Mini COB LUMAWISE LP LED Holder for Lumileds 1202s [12 x 15] | |
| | | 2213382-1 | LUMAWISE LP LED Holder for Lumileds 1202 & 1203 [16 x 19] | |
| | | 2213382-2 | LUMAWISE Zhaga Profile LED Holder for Lumileds 1202 & 1203 [16 x 19] | |
| | | 2213130-1 | LUMAWISE LP LED Holder for Lumileds 1204 & 1208 [20 x 24] | |
| | | 2213130-2 | LUMAWISE Zhaga Profile LED Holder for Lumileds 1204 & 1208 [20 x 24] | |
| | | 2213480-1 | LUMAWISE LP LED Holder for Lumileds 1211 [28 x 28] | |



AUTHORIZED DISTRIBUTOR



| Supplier | Product Family | Part Number | Description | Data Sheet Link |
|---|---|---|---|---|
| TE Connectivity | NECTOR S 2 Position Connectors | 293388-1 | Free Hanging Plug | te.com/lighting |
| | | 293388-2 | | |
| | | 293388-3 | | |
| | | 293388-4 | | |
| | | 293388-5 | | |
| | | 293387-1 | Free Hanging Outlet | |
| | | 293387-2 | | |
| | | 293387-3 | | |
| | | 293387-4 | | |
| | | 293389-1 | Pin Contact | |
| | | 293390-1 | Receptacle Contact | |
| | | 293358-1 | SPT-2 Tube | |
| | | 293359-1 | SVT Tube | |
| | | 293651-1 | Distributor Body Assembly | |
| | | 293651-2 | | |
| | | 293651-3 | | |
| | | 293651-4 | | |
| | | 293587-1 | Distributor Cover | |
| | | 293647-1 | Outlet Bridge Assembly | |
| | | 293652-1 | Right Angle Outlet Header | |
| | | 293652-2 | | |
| | | 293652-3 | | |
| | | 293652-4 | | |
| | | 293652-5 | | |
| | | 293653-1 | Vertical Outlet Header | |
| | | 293653-2 | | |
| | | 293653-3 | | |
| | | 293653-4 | | |
| | | 293653-5 | | |
| | | 293654-1 | Right Angle Plug Header | |
| | | 293654-2 | | |
| | | 293654-3 | | |
| | | 293654-4 | | |
| | | 293654-5 | | |
| | | 293655-1 | Vertical Plug Header | |
| | | 293655-2 | | |
| | | 293655-3 | | |
| | | 293655-4 | | |
| | | 293655-5 | | |
| | NECTOR S 6 Way Distributors | 1-2083084-1 | 7 Way Distributor to Power Plug SW | |
| | | 1-2083083-1 | 6 Way Distributor to Power Plug | |
| | | 1-2083079-1 | 6 Way Distributor to Power Plug | |
| | | 1-2083081-1 | 6 Way Distributor to Power Plug SW | |

LED ASSOCIATIVE PRODUCTS

# Connectors
## Wire to Board (continued)

AUTHORIZED DISTRIBUTOR

| Supplier | Product Family | Part Number | Description | Data Sheet Link |
|---|---|---|---|---|
| TE Connectivity | NECTOR S 2 Position Cable Assemblies | 1-2083073-1 | SVT Plug to Outlet Cable Assembly | te.com/lighting |
| | | 1-2083072-1 | | |
| | | 2-2083073-1 | | |
| | | 2-2083074-1 | SVT Plug to Pigtail Cable Assembly | |
| | | 1-2083075-1 | | |
| | | 1-2083074-1 | | |
| | | 2-2083075-1 | | |
| | | 1-2083077-1 | SVT Outlet to Pigtail Cable Assembly | |
| | | 1-2083076-1 | | |
| | | 2-2083077-1 | | |
| | | 2181143-1 | SPT-2 Plug to Outlet Cable Assembly | |
| | | 2181143-4 | | |
| | | 2181191-1 | | |
| | | 2181192-1 | | |
| | | 2181148-1 | SPT-2 Plug to Pigtail Cable Assembly | |
| | | 2181148-4 | | |
| | | 2181193-1 | | |
| | | 2181193-4 | | |
| | | 2181194-1 | | |
| | | 2181195-1 | | |
| | | 2181195-4 | | |
| | | 2181196-1 | SPT-2 Outlet to Pigtail Cable Assembly | |
| | | 2181196-4 | | |
| | | 2181197-1 | | |
| | | 2181198-1 | | |
| | | 2181198-4 | | |
| | NECTOR S 4 Position Connectors | 293415-1 | 4 Pos SMT PCB Conn-White | |
| | | 293415-2 | 4 Pos SMT PCB Conn-Black | |
| | | 293702-1 | Male Kit for Pins-White | |
| | | 293702-2 | Male Kit for Pins-Black | |
| | | 293703-1 | Female Kit for Sockets-White | |
| | | 293703-1 | Female Kit for Sockets-Black | |
| | | 166293-1 | Loose Piece Pin Contacts | |
| | | 166291-1 | Loose Piece Socket Contacts | |
| | NECTOR S 4 Position Cable Assemblies | 1-2083135-2 | Female to Female 4 Pos Cable Assembly-Black | |
| | | 2-2083135-2 | Female to Female 4 Pos Cable Assembly-White | |
| | | 1-2083136-1 | Male to Female 4 Pos Cable Assembly-Black | |
| | | 2-2083136-1 | Male to Female 4 Pos Cable Assembly-White | |



AUTHORIZED DISTRIBUTOR

| Supplier | Product Family | Part Number | Description | Data Sheet Link |
|---|---|---|---|---|
| TE Connectivity | Inverted Thru Board Card Edge Connector | 2213188-1 | 1.0mm Board Thickness | te.com/lighting |
| | | 2213188-2 | 1.6mm Board Thickness | |
| | | 2213188-3 | 1.0mm Board Thickness with Pre-Installed Cover | |
| | | 2213188-4 | 1.6mm Board Thickness with Pre-Installed Cover | |
| | Inverted Thru Board Poke-In Connector | 2213189-1 | 2 Position 22-18 AWG | |
| | | 2213189-2 | 2 Position 26-24 AWG | |
| | | 2213189-3 | 2 Position 22-18 AWG with Pre-Installed Cover | |
| | | 2213189-4 | 2 Position 26-24 AWG with Pre-Installed Cover | |
| | Mini Hermaphroditic Wire to Board Cable Assembly | 2213203-1 | 2 Position Cable Assy on 6 Inch 20 AWG Lead | |
| | Modular Screwless Terminal Blocks | 1-2834021-2 | 2 Position, Top Entry Modular Screwless, 2.5mm Pitch | |
| | | 1-2834021-4 | 4 Position, Top Entry Modular Screwless, 2.5mm Pitch | |
| | | 1-2834021-6 | 6 Position, Top Entry Modular Screwless, 2.5mm Pitch | |
| | | 1-2834021-8 | 8 Position, Top Entry Modular Screwless, 2.5mm Pitch | |
| | | 1-2834011-2 | 2 Position, Top Entry Modular Screwless, 3.5mm Pitch | |
| | | 1-2834011-4 | 4 Position, Top Entry Modular Screwless, 3.5mm Pitch | |
| | | 1-2834011-6 | 6 Position, Top Entry Modular Screwless, 3.5mm Pitch | |
| | | 1-2834011-8 | 8 Position, Top Entry Modular Screwless, 3.5mm Pitch | |
| | Vertical & In-Line Screwless Connector | 1-2008552-2 | 2 Position, In-Line Screwless Wire Connector | |
| | | 1811957-1 | 2 Position, Vertical Screwless Wire Connector | |
| | | 2008552-3 | 3 Position, In-Line Screwless Wire Connector | |
| | | 1811444-1 | 4 Position Vertical Screwless Wire Connector | |
| | | 1811398-1 | 6 Position Vertical Screwless Wire Connector | |

LED ASSOCIATIVE PRODUCTS

# Connectors
## Wire to Wire

HIROSE ELECTRIC U.S.A.

TE connectivity AUTHORIZED DISTRIBUTOR

| Supplier | Product Family | Part Number | Description | Data Sheet Link |
|---|---|---|---|---|
| Hirose | DF62W Wire to Wire Connectors | DF62W-3EP-2.2C | 3 Position Plug crimp type | http://hrs.hiroseusa.com/image/DF62W(2)_rev_CT.pdf |
| | | DF62W-4EP-2.2C | 4 Position Plug crimp type | |
| | | DF62W-6EP-2.2C | 6 Position Plug crimp type | |
| | | DF62W-9EP-2.2C | 9 Position Plug crimp type | |
| | | DF62W-3S-2.2C | 3 Position Socket crimp type | |
| | | DF62W-6S-2.2C | 6 Position Socket crimp type | |
| | | DF62W-4S-2.2C | 4 Position Socket crimp type | |
| | | DF62W-9S-2.2C | 9 Position Socket crimp type | |
| | | DF62W-WP | Fill-in pin (plastic pin for unused positions) | |
| | | DF62W-EP2226PCF | Crimp Plug contact 22-26 AWG, tin plated | |
| | | DF62W-2226SCF | Crimp Socket contact 22-26 AWG, tin plated | |
| | DF63W Series Wire to Wire Connectors | DF63-1618PCF | Crimp Plug contact 16-22 AWG, tin plated | https://www.hirose.com/product/en/products/DF63 |
| | | DF63W-1618SCF | Crimp Socket contact 16-22 AWG, tin plated | |
| | | DF63W-2EP-3.96C | 2 Position plug housing, 2.8-3.2 Wire OD | |
| | | DF63W-2S-3.96C | 2 Position Crimp socket housing, 2.8-3.2 Wire OD | |
| | | DF63W-4EP-3.96C | 4 Position plug housing, 2.8-3.2 Wire OD | |
| | | DF63W-4S-3.96C | 4 Position Crimp socket housing, 2.8-3.2 Wire OD | |
| | | DF63WA-2EP-3.96C | 2 Position plug housing, 1.7-2.4 Wire OD | |
| | | DF63WA-2S-3.96C | 2 Position Crimp socket housing, 1.7-2.4 Wire OD | |
| | | DF63WA-4EP-3.96C | 4 Position plug housing, 1.7-2.4 Wire OD | |
| | | DF63WA-4S-3.96C | 4 Position Crimp socket housing, 1.7-2.4 Wire OD | |
| TE Connectivity | LIGHT-N-LOK Hot Pluggable Connectors | 2008144-1 | 2 Position MATED PAIR, Natural | te.com/lighting |
| | | 2008152-1 | 3 Position MATED PAIR, Natural | |
| | Push Grip Wire Connectors | 2299514-1 | 2 Position PushGrip Connector | |
| | | 2299515-1 | 3 Position PushGrip Connector | |
| | | 2299516-1 | 4 Position PushGrip Connector | |
| | | 2299517-1 | 5 Position PushGrip Connector | |
| | | 2299518-1 | 6 Position PushGrip Connector | |
| | LIGHT-N-LOK Standard Connectors | 2271180-1 | 2 Position Plug Connector | |
| | | 2271183-1 | 2 Position Receptacle Connector | |
| | | 2271203-1 | 2 Position Mated Connector | |
| | 2 Position LIGHT-N-LOK Modular Latched Connectors | 2834048-1 | 2 Position Plug Latched Poke-In Wire to Wire Connector, Natural | |
| | | 2834048-2 | 2 Position Plug Latched Poke-In Wire to Wire Connector, Black | |
| | | 2834048-3 | 2 Position Plug Latched Poke-In Wire to Wire Connector, Orange | |
| | | 2834048-4 | 2 Position Plug Latched Poke-In Wire to Wire Connector, Red | |
| | | 2834049-1 | 2 Position Receptacle Latched Poke-In Wire to Wire Connector, Natural | |



TE connectivity AUTHORIZED DISTRIBUTOR

| Supplier | Product Family | Part Number | Description | Data Sheet Link |
|---|---|---|---|---|
| TE Connectivity | 2 Position LIGHT-N-LOK Modular Latched Connectors | 2834049-2 | 2 Position Receptacle Latched Poke-In Wire to Wire Connector, Black | te.com/lighting |
| | | 2834049-3 | 2 Position Receptacle Latched Poke-In Wire to Wire Connector, Orange | |
| | | 2834049-4 | 2 Position Receptacle Latched Poke-In Wire to Wire Connector, Red | |
| | | 1-2834049-1 | 2 Position Modular Receptacle Latched Poke-In Wire to Wire Connector, Natural | |
| | | 1-2834049-2 | 2 Position Modular Receptacle Latched Poke-In Wire to Wire Connector, Black | |
| | | 1-2834049-3 | 2 Position Modular Receptacle Latched Poke-In Wire to Wire Connector, Orange | |
| | | 1-2834049-4 | 2 Position Modular Receptacle Latched Poke-In Wire to Wire Connector, Red | |
| | 3 Position LIGHT-N-LOK Modular Latched Connectors | 2834054-1 | 3 Position Plug Latched Poke-In Wire to Wire Connector, Natural | |
| | | 2834054-2 | 3 Position Plug Latched Poke-In Wire to Wire Connector, Black | |
| | | 2834054-3 | 3 Position Plug Latched Poke-In Wire to Wire Connector, Orange | |
| | | 2834054-4 | 3 Position Plug Latched Poke-In Wire to Wire Connector, Red | |
| | | 2834055-1 | 3 Position Receptacle Latched Poke-In Wire to Wire Connector, Natural | |
| | | 2834055-2 | 3 Position Receptacle Latched Poke-In Wire to Wire Connector, Black | |
| | | 2834055-3 | 3 Position Receptacle Latched Poke-In Wire to Wire Connector, Orange | |
| | | 2834055-4 | 3 Position Receptacle Latched Poke-In Wire to Wire Connector, Red | |
| | | 1-2834055-1 | 3 Position Modular Receptacle Latched Poke-In Wire to Wire Connector, Natural | |
| | | 1-2834055-2 | 3 Position Modular Receptacle Latched Poke-In Wire to Wire Connector, Black | |
| | | 1-2834055-3 | 3 Position Modular Receptacle Latched Poke-In Wire to Wire Connector, Orange | |
| | | 1-2834055-4 | 3 Position Modular Receptacle Latched Poke-In Wire to Wire Connector, Red | |

# Connectors
## Wire to Wire

| Supplier | Product Family | Part Number | Description | Data Sheet Link |
|---|---|---|---|---|
| TE Connectivity | SlimSeal Connectors Miniature Series | 1-2834074-2 | 2 Position Plug Miniature Waterproof Connector, White | te.com/lighting |
| | | 2-2834074-2 | 2 Position Plug Miniature Waterproof Connector, Black | |
| | | 3-2834074-2 | 2 Position Plug Miniature Waterproof Connector, Red | |
| | | 1-2834075-2 | 2 Position Receptacle Miniature Waterproof Connector, White | |
| | | 2-2834075-2 | 2 Position Receptacle Miniature Waterproof Connector, Black | |
| | | 3-2834075-2 | 2 Position Receptacle Miniature Waterproof Connector, Red | |
| | | 1-2834074-3 | 3 Position Plug Miniature Waterproof Connector, White | |
| | | 2-2834074-3 | 3 Position Plug Miniature Waterproof Connector, Black | |
| | | 3-2834074-3 | 3 Position Plug Miniature Waterproof Connector, Red | |
| | | 1-2834075-3 | 3 Position Receptacle Miniature Waterproof Connector, White | |
| | | 2-2834075-3 | 3 Position Receptacle Miniature Waterproof Connector, Black | |
| | | 3-2834075-3 | 3 Position Receptacle Miniature Waterproof Connector, Red | |
| | | 1-2834067-2 | Socket Contact, Miniature Waterproof Connector | |
| | | 1-2834068-2 | Pin Contact, Miniature Waterproof Connector | |
| | SlimSeal Connectors Circular Series | 9-2834000-1 | 2 Position Male Cable Assembly | |
| | | 9-2834001-1 | 2 Position Female Cable Assembly | |
| | | 9-2834002-1 | 3 Position Male Cable Assembly | |
| | | 9-2834003-1 | 3 Position Female Cable Assembly | |
| | | 9-2834004-1 | 4 Position Male Cable Assembly | |
| | | 9-2834005-1 | 4 Position Female Cable Assembly | |
| | SlimSeal Connectors Standard Series | 2158254-1 | 1 Position Plug Assembly | |
| | | 2106135-2 | 2 Position Plug Assembly | |
| | | 2106135-3 | 3 Position Plug Assembly | |
| | | 2106135-4 | 4 Position Plug Assembly | |
| | | 2154852-1 | 1 Position Receptacle Assembly | |
| | | 2106136-2 | 2 Position Receptacle Assembly | |
| | | 2106136-3 | 3 Position Receptacle Assembly | |
| | | 2106136-4 | 4 Position Receptacle Assembly | |
| | | 2106123-1 | 18-20 AWG Receptacle Terminal | |
| | | 2106123-2 | 18-20 AWG Receptacle Terminal (Loose Piece) | |
| | | 2106124-2 | 18-20 AWG Blade Terminal | |
| | | 2106124-9 | 18-20 AWG Blade Terminal (Loose Piece) | |
| | CoolSplice New Standard Connectors | 2213800-1 | Standard Splice (green buttons), accepts 18 AWG wire | |
| | | 2213800-2 | Sealed Splice (blue buttons), accepts 18 AWG wire | |
| | | 2213800-3 | Standard Splice (green buttons), accepts 20-22 AWG wire | |
| | | 2213800-4 | Sealed Splice (blue buttons), accepts 20-22 AWG wire | |





| Supplier | Product Family | Part Number | Description | Data Sheet Link |
|---|---|---|---|---|
| TE Connectivity | NECTOR S 2 Position Connectors | 293388-1 | Free Hanging Plug | te.com/lighting |
| | | 293388-2 | | |
| | | 293388-3 | | |
| | | 293388-4 | | |
| | | 293388-5 | | |
| | | 293387-1 | Free Hanging Outlet | |
| | | 293387-2 | | |
| | | 293387-3 | | |
| | | 293387-4 | | |
| | | 293389-1 | Pin Contact | |
| | | 293390-1 | Receptacle Contact | |
| | | 293358-1 | SPT-2 Tube | |
| | | 293359-1 | SVT Tube | |
| | | 2213142-2 | Male to Male Bridge Connector | |
| | | 2213142-3 | | |
| | | 293648-1 | Panel Outlet Housing | |
| | | 293648-2 | | |
| | | 293302-1 | Chassis Mount Frame | |
| | | 2213129-1 | Chassis Mount Housing Support | |
| | | 2213143-1 | | |
| | | 293651-1 | Distributor Body Assembly | |
| | | 293651-2 | | |
| | | 293651-3 | | |
| | | 293651-4 | | |
| | | 293587-1 | Distributor Cover | |
| | | 293647-1 | Outlet Bridge Assembly | |
| | | 293649-1 | T-Splitter Connector-Switch | |
| | | 293649-2 | | |
| | | 293650-1 | T-Splitter Connector-Standard | |
| | | 293650-2 | | |
| | | 293650-3 | | |
| | | 293650-4 | | |
| | | 2213222-1 | Bus Bar Sealed, Thru Housing w/ Tab-HV-3 | |
| | | 2213222-4 | Bus Bar Sealed, Thru Housing w/ Tab-LV-2 | |
| | | 1-2213222-1 | Bus Bar Sealed, Thru Housing w/o Tab-HV-3 | |
| | | 1-2213222-4 | Bus Bar Sealed, Thru Housing w/o Tab-LV-2 | |
| | | 2-2213222-1 | Bus Bar Sealed, End Housing w/ Tab-HV-3 | |
| | | 2-2213222-4 | Bus Bar Sealed, End Housing w/ Tab-LV-2 | |
| | | 3-2213222-1 | Bus Bar Sealed, End Housing w/o Tab-HV-3 | |
| | | 3-2213222-4 | Bus Bar Sealed, End Housing w/o Tab-LV-2 | |
| | | 4-2213222-1 | Bus Bar Unsealed, Thru Housing w/ Tab-HV-3 | |
| | | 4-2213222-4 | Bus Bar Unsealed, Thru Housing w/ Tab-LV-2 | |
| | | 5-2213222-1 | Bus Bar Unsealed, Thru Housing w/o Tab-HV-3 | |
| | | 5-2213222-4 | Bus Bar Unsealed, Thru Housing w/o Tab-LV-2 | |
| | | 6-2213222-1 | Bus Bar Unsealed, End Housing w/ Tab-HV-3 | |
| | | 6-2213222-4 | Bus Bar Unsealed, End Housing w/ Tab-LV-2 | |
| | | 7-2213222-1 | Bus Bar Unsealed, End Housing w/o Tab-HV-3 | |
| | | 7-2213222-4 | Bus Bar Unsealed, End Housing w/o Tab-LV-2 | |
| | | 2213211-1 | IP Boot | |

# Connectors
## Wire to Wire (continued)

| Supplier | Product Family | Part Number | Description | Data Sheet Link |
|---|---|---|---|---|
| TE Connectivity | NECTOR S 6 Way Distributors | 1-2083084-1 | 7 Way Distributor to Power Plug SW | te.com/lighting |
| | | 1-2083083-1 | 6 Way Distributor to Power Plug | |
| | | 1-2083079-1 | 6 Way Distributor to Power Plug | |
| | | 1-2083081-1 | 6 Way Distributor to Power Plug SW | |
| | NECTOR S 2 Position Cable Assemblies | 1-2083073-1 | SVT Plug to Outlet Cable Assembly | |
| | | 1-2083072-1 | | |
| | | 2-2083073-1 | | |
| | | 2-2083074-1 | SVT Plug to Pigtail Cable Assembly | |
| | | 1-2083075-1 | | |
| | | 1-2083074-1 | | |
| | | 2-2083075-1 | | |
| | | 1-2083077-1 | SVT Outlet to Pigtail Cable Assembly | |
| | | 1-2083076-1 | | |
| | | 2-2083077-1 | | |
| | | 2181143-1 | SPT-2 Plug to Outlet Cable Assembly | |
| | | 2181143-4 | | |
| | | 2181191-1 | | |
| | | 2181192-1 | | |
| | | 2181148-1 | SPT-2 Plug to Pigtail Cable Assembly | |
| | | 2181148-4 | | |
| | | 2181193-1 | | |
| | | 2181193-4 | | |
| | | 2181194-1 | | |
| | | 2181195-1 | | |
| | | 2181195-4 | | |
| | | 2181196-1 | SPT-2 Outlet to Pigtail Cable Assembly | |
| | | 2181196-4 | | |
| | | 2181197-1 | | |
| | | 2181198-1 | | |
| | | 2181198-4 | | |
| | NECTOR S 4 Position Connectors | 293702-1 | Female (Plug) Kit for Socket-White | |
| | | 293702-2 | Female (Plug) Kit for Socket-Black | |
| | | 293703-1 | Male (Socket) Kit for Pins-White | |
| | | 293703-2 | Male (Socket) Kit for Pins-Black | |
| | | 166293-1 | Loose Piece Pin Contacts | |
| | | 166291-1 | Loose Piece Socket Contacts | |
| | NECTOR S 4 Position Cable Assemblies | 1-2083135-2 | Female to Female 4 Pos Cable Assembly-Black | |
| | | 2-2083135-2 | Female to Female 4 Pos Cable Assembly-White | |
| | | 1-2083136-1 | Male to Female 4 Pos Cable Assembly-Black | |
| | | 2-2083136-1 | Male to Female 4 Pos Cable Assembly-White | |

| Supplier | Product Family | Part Number | Description | Data Sheet Link |
|---|---|---|---|---|
| TE Connectivity | CoolSplice Large Wire Connectors | 2213600-1 | Sealed Splice (yellow/blue buttons), accepts 12/14-14/16 AWG wire | te.com/lighting |
| | | 2213600-2 | Sealed Splice (yellow/red buttons), accepts 12/14-16/18 AWG wire | |
| | | 2213600-3 | Sealed Splice (yellow/blue buttons), accepts 14/16-16/18 AWG wire | |
| | | 2213600-4 | Standard Splice (yellow/blue buttons), accepts 12/14-14/16 AWG wire | |
| | | 2213600-5 | Standard Splice (yellow/red buttons), accepts 12/14-16/18 AWG wire | |
| | | 2213600-6 | Standard Splice (yellow/blue buttons), accepts 14/16-16/18 AWG wire | |


LED ASSOCIATIVE PRODUCTS

# Connectors
## Board to Board

HIROSE ELECTRIC U.S.A.

TE connectivity AUTHORIZED DISTRIBUTOR

| Supplier | Product Family | Part Number | Description | Data Sheet Link |
|---|---|---|---|---|
| Hirose | DF59S/DF59SN Mono-Pole, Board to Board Slim Connectors | DF59S-1P-FC | SMT plug 2.7mm depth | http://www.hirose.co.jp/cataloge_hp/ed_DF59_20140821.pdf |
| | | DF59SN-1P-FC | SMT plug 1.7mm depth | |
| | | DF59S-1S-V | SMT receptacle | |
| | DF59 Low Profile Co-planar Connectors | DF59-2S-2V(51) | 2 Position SMT header 2.0mm pitch | |
| | | DF59-2S-4V(51) | 2 Position SMT header 4.0mm pitch (skipped center) | |
| | | DF59-3S-2V(51) | 3 Position SMT header 2.0mm pitch | |
| | | DF59-4S-2V(51) | 4 Position SMT header 2.0mm pitch | |
| | | DF59-2P-2FC(50) | 2 Position B2B Bridge 2.0mm pitch | |
| | | DF59-2P-4FC(50) | 2 Position B2B Bridge 4.0mm pitch (skipped center) | |
| | | DF59-3P-2FC(50) | 3 Position B2B Bridge 2.0mm pitch | |
| | | DF59-4P-2FC(50) | 4 Position B2B Bridge 2.0mm pitch | |
| | | DF59-2P-2SP(50) | 2 Position Shorting Plug | |
| | | DF59-3P-2SP(50) | 3 Position Shorting Plug | |
| TE Connectivity | Hermaphroditic Board To Board | 1954289-1 | Connector, Blade & Receptacle, 2 Position White | te.com/lighting |
| | | 1954289-2 | Connector, Blade & Receptacle, 4 Position White | |
| | | 1954289-3 | Connector, Blade & Receptacle, 6 Position White | |
| | | 2058703-1 | Connector, Blade & Receptacle w/Latch Tab, 2 Position White | |
| | | 2058703-2 | Connector, Blade & Receptacle w/Latch Tab, 4 Position White | |
| | | 2058703-3 | Connector, Blade & Receptacle w/Latch Tab, 6 Position White | |
| | | 2213504-1 | Connector, Blade & Receptacle w/Posts, 2 Position White | |
| | | 2213504-2 | Connector, Blade & Receptacle w/Posts, 4 Position White | |
| | | 2213504-3 | Connector, Blade & Receptacle w/Posts, 6 Position White | |
| | | 2154640-1 | Connector, Blade & Receptacle w/Latch Tab & Posts, 2 Position White | |
| | | 2154640-2 | Connector, Blade & Receptacle w/Latch Tab & Posts, 4 Position White | |
| | | 2154640-3 | Connector, Blade & Receptacle w/Latch Tab & Posts, 6 Position White | |
| | | 2213613-1 | Connector, Blade & Receptacle, 2 Position Select Gold, White | |

TE connectivity AUTHORIZED DISTRIBUTOR

| Supplier | Product Family | Part Number | Description | Data Sheet Link |
|---|---|---|---|---|
| TE Connectivity | Hermaphroditic Board To Board | 2213613-2 | Connector, Blade & Receptacle, 4 Position Select Gold, White | te.com/lighting |
| | | 2213613-3 | Connector, Blade & Receptacle, 6 Position Select Gold, White | |
| | | 2213614-1 | Connector, Blade & Receptacle w/Latch Tab, 2 Position Select Gold, White | |
| | | 2213614-2 | Connector, Blade & Receptacle w/Latch Tab, 4 Position Select Gold, White | |
| | | 2213614-3 | Connector, Blade & Receptacle w/Latch Tab, 6 Position Select Gold, White | |
| | | 2213616-1 | Connector, Blade & Receptacle w/Posts, 2 Position Select Gold, White | |
| | | 2213616-2 | Connector, Blade & Receptacle w/Posts, 4 Position Select Gold, White | |
| | | 2213616-3 | Connector, Blade & Receptacle w/Posts, 6 Position Select Gold, White | |
| | | 2213617-1 | Connector, Blade & Receptacle w/Latch Tab & Posts, 2 Position Select Gold, White | |
| | | 2213617-2 | Connector, Blade & Receptacle w/Latch Tab & Posts, 4 Position Select Gold, White | |
| | | 2213617-3 | Connector, Blade & Receptacle w/Latch Tab & Posts, 6 Position Select Gold, White | |
| | Miniature Hermaphroditic Board To Board | 1971567-1 | Miniature Hermaphroditic Board To Board Connector 2 Position | |
| | | 1971567-2 | Miniature Hermaphroditic Board To Board Connector 4 Position | |
| | | 1971567-3 | Miniature Hermaphroditic Board To Board Connector 6 Position | |
| | | 2306038-1 | Miniature Hermaphroditic Board To Board Connector 2 Position Select Gold | |
| | | 2306038-2 | Miniature Hermaphroditic Board To Board Connector 4 Position Select Gold | |
| | | 2306038-3 | Miniature Hermaphroditic Board To Board Connector 6 Position Select Gold | |
| | | 2213611-1 | Miniature Hermaphroditic Board To Board Connector w/Posts, 2 Position Select Gold | |
| | | 2213611-2 | Miniature Hermaphroditic Board To Board Connector w/Posts, 4 Position Select Gold | |
| | | 2213611-3 | Miniature Hermaphroditic Board To Board Connector w/Posts, 6 Position Select Gold | |

CoolSplice, LIGHT-N-LOK, LUMAWISE, NECTOR, TE Connectivity and TE connectivity (logo) are trademarks.

# Controls


Wired 305

Wireless 306


INVENTRONICS

MAGNUM ENERGY SOLUTIONS

PHILIPS



# Controls
## Wired

INVENTRONICS

PHILIPS

### CONTROLS-(120/277/480VAC)

| Supplier | Part Number | Description |
|---|---|---|
| Inventronics | CTL-ENOC-NA | EnOcean Converter for Wireless Devices for North American Use, UL |
| | CTL-ENOC-EU | EnOcean Converter for Wireless Devices for European Use, CE |
| | CNV-ZIGB | Daintree Networks® Wireless Devices, Compatible with Daintree Networks® ControlScope®, UL and CE |
| | SDD-AAPN1 | Current Limiter, flying leads, UL |
| | SDD-AAPN4 | Current Limiter, flying leads, CE |
| | SDD-APFN4 | PWM Dimming Converter, flying leads, UL |
| | SDD-ADFN1 | DALI Dimming Converter, flying leads, UL |
| | SDD-ADFN4 | DALI Dimming Converter, flying leads, CE |
| | WDS-ADFN0 | DALI Converter, 0-80V, connectors, CE |
| | WDS-ADFN1 | DALI Converter, 80-250V, connectors, CE |
| | WDS-ADFN2 | DALI Converter, 250-500V, connectors, CE |
| | TDD-ANPN1 | Time, Step or PWM, Dimmer, flying leads, UL |
| | TDD-ANPN4 | Time, Step or PWM, Dimmer, flying leads, CE |
| Philips Lighting | SNS102 | Philips EasySense Fixture-mount Sensor Basic Grouping |
| | SNS200 | Philips EasySense Fixture-mount Sensor Advanced Grouping |

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MAGNUM ENERGY SOLUTIONS

## MAGNUM LIGHTING CONTROL SUMMARY

| Supplier | Product Type | Part Number* | Image | Description |
|---|---|---|---|---|
| Magnum | Controllers | Mx-OPUS-DRD ** | | OPUS Node for Xitanium SR drivers, supports wired sensors |
| | | Mx-OPUS-MLD ** | | OPUS Node with sensor for Xitanium SR drivers |
| | | Mx-OPUS-MLDE ** | | OPUS Node with sensor for troffer retrofit for Xitanium SR drivers |
| | | Mx-OPUS-MLDHB ** | | OPUS Node for high bays for Xitanium SR drivers |
| | | Mx-OPUS-CyMLD ** | | Wet location w/sensor for y=H (high bay), y=L (low bay) for Xitanium SR drivers |
| | | Mx-OPUS-HBKOD | | Fixture mounted wet location w/sensor for Xitanium SR drivers |
| | | Mx-OPUS-DRDLV | | OPUS Node for DALI drivers powered by 12-24Vdc or Vac |
| | | Mx-OPUS-DRDHV | | OPUS Node for DALI drivers powered by 100-277Vac |
| | | Mx-OPUS-10V12(-2) | | OPUS Node for single (or two) channel for 0-10V dim-to-off drivers |
| | | Mx-OPUS-DR10V | | OPUS Node with sensor for 0-10V dim-to-off drivers, supports wired sensors |
| | | Mx-OPUS-ML10V | | OPUS Node with sensor for 0-10V dim-to-off drivers |
| | | Mx-OPUS-ML10VHB | | OPUS Node for high bays for 0-10V dim-to-off drivers |
| | | Mx-OPUS-CyML10V | | Wet location w/sensor, y=H (high bay), y=L (low bay) for 0-10V dim-to-off drivers |
| | | Mx-OPUS-HBKO10V | | Fixture mounted wet location w/sensor for 0-10V dim-to-off drivers |
| | | Mx-UyR-L3(PWM) | | 0-10V (or PWM) relay where y=S (single channel), y=T (two channel) |
| | | Mx-USR-LM | | 0-10V relay with power and thermal metering |





MAGNUM ENERGY SOLUTIONS

| Supplier | Product Type | Part Number* | Image | Description |
|---|---|---|---|---|
| Magnum | Sensors | Mx-ML2 | | Wireless motion/lux sensor (compatible with all controllers) |
| | | Mx-EOSW | | Wireless wall-mount motion sensor (compatible with all controllers) |
| | | Mx-OPUS-yPML | | Wired wet location motion/lux sensor, y=H (high bay), y=L (low bay) |
| | Switches | Mx-ESRP/EDRP | | Wireless one or two channel light switch |
| | | Mx-SW1/SW2 | | Wireless one or two channel light switch |
| | | Mx-ASW1/ASW2 | | Wireless one or two channel light switch |
| | | Mx-EKCS | | Wireless key card switch |
| | Gateways | Mx-EBOX | | eBox for interface to BACnet building automation system |
| | | Mx-AP2 | | Access Point for PC / tablet / smartphone control and monitoring |
| | | Mx-CBOX | | Gateway to interface to Amazon AWS cloud service |
| | | Mx-VBOX | | Mini computer with embedded router and Access Point for test sites |
| | Setup | Mx-USB | | Wireless USB dongle for remote configuration software |

* The "x" in the part number describes the EnOcean radio frequency. x=9 is 902 MHz for North America; x=8 is 868 MHz for Europe and China; x=J is 928 MHz for Japan.
** A DALI power supply is required to power the DALI bus for standard DALI drivers where this is not required for the Xitanium SR drivers.

LED ASSOCIATIVE PRODUCTS

# Future Lighting Solutions Worldwide Locations

## Americas

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**MEXICO**
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Mexico City
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Puerto Rico
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Seattle
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Syracuse
Tulsa

## EMEA

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Singapore

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Hsinchu
Taipei

**THAILAND**
Bangkok

**VIETNAM**
Ha Noi
Ho Chi Minh City



# Application System Solutions

FLS provides the most comprehensive ecosystem for all of our customers' application system solutions

## Indoor

Downlights

High Bay Lights

Low Bay Lights

Indoor Wall Pack Lights

Spotlights

Troffer Lights

## Outdoor

Architainment

Canopy

Outdoor Wall Pack Lights

Parking Lot Lights

Streetlights

Tunnel Lighting

## Emergency Vehicle Lighting

Emergency Vehicle Lighting

## Portable

Portable

## Additional Application Segments

Medical

Transportation

Posterbox Lights

Commercial Refrigeration

Horticulture

# Strategic Approach
## Application-Based Solutions

| | | Architectural / Entertainment | Canopy | Commercial Refrigeration | Downlight | Emergency Vehicle Lighting | High Bay / Low Bay | Horticulture | Indoor Wall Pack | Medical | Outdoor Wall Pack | Parking Lot | Portable | Posterbox | Spotlight | Streetlight | Transportation | Troffer | Tunnel |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LEVEL 1 | L1 High Power | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | | ✓ |
| | L1 Mid Power | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | | | ✓ | ✓ | |
| | L1 COB | | ✓ | | ✓ | | ✓ | | | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ | | ✓ |
| LEVEL 2 | L2 High Power | | ✓ | | | | ✓ | | | | ✓ | ✓ | | | | ✓ | ✓ | | ✓ |
| | L2 Mid Power | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | | ✓ | ✓ | | ✓ | | | ✓ | ✓ | |
| LEVEL 3 | L3 Standard Module | | ✓ | | ✓ | | ✓ | | | | ✓ | ✓ | | | ✓ | ✓ | | | ✓ |

# Notes

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