



LUMAWISE LED Holders

Solderless termination of LED arrays

Today's market drive to mass adoption of solid state lighting technology requires rapid development and introduction of lighting fixtures that incorporate LED arrays. TE Connectivity provides easy to use LED holders that integrate thermal, electrical, optical and mechanical connections for leading edge luminaries.



INTELLIGENT BUILDINGS



Typical Lighting Applications

- Spot Lights
- Track Lights
- Recessed Downlights
- High Bay Lights
- Retrofit Lamps
- Wall Sconces

Key Features

- Solderless electrical connection to LED
- Integrated poke-in wire termination
- Snap-in LED retention on some versions
- Alignment features simplify installation
- Easy attachment of secondary optics
- High-reflectivity polymeric housing materials
- Wide operating temperatures

LUMAWISE LED HOLDER SOLUTIONS

TE Connectivity provides a broad range of solderless LED holders that provide fixture designers an easier way to integrate LEDs into their designs.

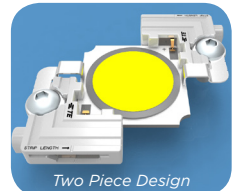
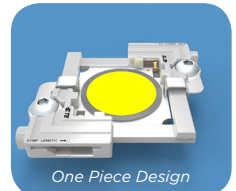
The scalable, Type Z and custom holder platforms each offer the designer a unique suite of features and benefits.

Our LED holders form the core of the fixture ecosystem by integrating LED electrical, mechanical, thermal, and optical interconnectivity. These holders can accelerate time to market, minimize applied costs, facilitate easy integration, and improve assembly efficiency when compared to traditional methods of LED integration.

SCALABLE LED HOLDERS

The Scalable LED holder platform enables connectivity to a wide range of LED arrays and is available in pre-assembled one piece & two piece configurations for ultimate design flexibility. The two piece design utilizes the same part for both positions and it's scalability makes it broadly applicable to multiple commercially available LED arrays.

Designed with the future in mind, the Scalable LED holder platform is readily adaptable to tomorrow's LED arrays. The inherent flexibility of the platform allows accommodation of a virtually infinite range of LED package sizes and plating materials.



TYPE Z LED HOLDERS



TE Type Z50 LED holder with TE optics retaining clip shown with Sharp Mega ZENIGATA LED, LEDIL optics and generic heat sink.

The Type Z LED holders provide a quick and easy solderless connection to LED arrays and are designed to enable customers to develop Zhaga compliant modules.

Standard and low profile Type Z32 and Z50 LED holders feature snap-in LED retention that secures the LED in the holder during assembly and ensures proper positioning in the fixture.

Offered with or without optics attachment features, the Type Z LED holders are



Type Z50
Low Profile



Type Z50 with
Optics Attach

available in a configuration to suit your needs. The optics attachment version functions with Carclo or LEDIL optics to provide the lighting designer with beam shaping flexibility in spot and downlight applications.

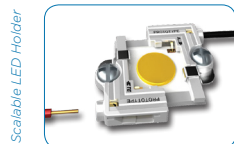
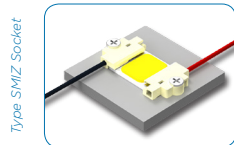
CUSTOM LED HOLDERS



TE offers a variety of custom LED holder solutions optimized for use with manufacturer specific LED arrays.

LED HOLDER SELECTION MATRIX

TE offers a broad range of holder solutions for most major LED manufacturer's products. If you can't find what you need, call us. We're available to work with you on your specific holder requirements.



Visit our online holder selection guide at te.com/ledholders for the latest interoperability list

| LED MANUFACTURER | LED PACKAGE | TE HOLDER SOLUTIONS | TE PART NUMBER | |
|--------------------|--------------------------------------|---|----------------|--------------|
| | | | 1PC SOLUTION | 2PC SOLUTION |
| BRIDGELUX | ES | Scalable LED Holder | 3-2154874-2 | 1-2154857-2 |
| | LS | Scalable LED Holder | | 1-2154857-3 |
| | RS | Solderless LED Socket, Type BR | 215455-1 | |
| CITIZEN | CLL020/022 | Scalable LED Holder | 6-2154874-1 | 2-2154857-1 |
| | CLL030/032 | Scalable LED Holder | 6-2154874-2 | 2-2154857-1 |
| | CLL030/032 | Type Z50 Holder, Low Profile | 2213254-1 | |
| | CLL030/032 | Type Z50 Holder, with Optics Attach | 2213254-1 | |
| | CLL040/042 | Scalable LED Holder | 6-2154874-3 | 2-2154857-2 |
| | CLL050/052 | Scalable LED Holder | 6-2154874-4 | 2-2154857-2 |
| | L330 | Scalable LED Holder | | 2-2154857-3 |
| | L340 | Scalable LED Holder | | 2-2154857-3 |
| CREE | CXA 2011 | Scalable LED Holder | 5-2154874-1 | 1-2154857-3 |
| | CXA 13xx | Scalable LED Holder | | 2-2154857-2 |
| | CXA 15xx | Scalable LED Holder | 5-2154874-2 | 2-2154857-2 |
| | CXA 18xx | Scalable LED Holder | | 2-2154857-2 |
| | CXA 25xx | Scalable LED Holder | 5-2154874-3 | 2-2154857-2 |
| | CXA 30xx | Scalable LED Holder | | 2-2154857-2 |
| EDISON OPTO | 2PHM09x | Scalable LED Holder | 5-2154874-1 | 1-2154857-3 |
| | 2PHM30x | Scalable LED Holder | 5-2154874-2 | 2-2154857-2 |
| LG INNOTEK | LEMWM18580LG10A0 | Scalable LED Holder | 6-2154874-1 | 2-2154857-1 |
| | LEMWM18680LG10A0 | Scalable LED Holder | 6-2154874-1 | 2-2154857-1 |
| | LEMWM18780LG10A0 | Scalable LED Holder | | 2-2154857-2 |
| NICHIA | COB L88 / L110 / L144 / L165 / L 204 | Solderless LED Socket TYPE-NL2 | 2174024-1 | 2-2154857-1 |
| | COB L88 / L110 / L144 / L165 / L 204 | LUMIPACK N Assembly | | 2134318-1 |
| | COB J360 | Scalable LED Holder | | 2-2154857-1 |
| OPTOGAN | X10 | Dual Poke-in Socket Contact, X10 | | 2173328-1 |
| OSRAM OPTO | SOLERIQ E30 GWKAJ | Scalable LED Holder | | 3-2154857-3 |
| | LUXEON S | Solderless LED Socket, Type LS | 2154235-1 | |
| PHILIPS LUMILEDS | | Solderless LED Socket, Type LS with optics attach | 2154235-2 | |
| | LUXEON K - 4up | Solderless LED Socket, Type LK | | 2173470-1 |
| | LUXEON K - 8up | Solderless LED Socket, Type LK | | 2173470-1 |
| | LUXEON K - 12up | Solderless LED Socket, Type LK | | 2173470-1 |
| | | Type Z50 Holder, Low Profile | 2213134-1 | |
| | | Type Z50 Holder, with Optics Attach | 2213134-2 | |
| | LUXEON K - 16up | Solderless LED Socket, Type LK | | 2173470-1 |
| | | Type Z50 Holder, Low Profile | 2213134-1 | |
| | | Type Z50 Holder, with Optics Attach | 2213134-2 | |
| | LUXEON K - 24up | Solderless LED Socket, Type LK | | 2173470-1 |
| SAMSUNG | LUXEON H | LED Holder, Type LH | 2154821-1 | |
| | S2000, S3000, S5000 | EMIX / HPI Cable assembly | 2202780-1 | |
| | LUXEON COB 1203 | Scalable LED Holder | | 2-2154857-2 |
| | LUXEON COB 1204 / 1205 / 1208 | Type Z50 Holder, Low Profile | 2213130-1 | |
| | | Type Z50 Holder, with Optics Attach | 2213130-2 | |
| | LUXEON COB 1204 / 1205 / 1208 | Scalable LED Holder | | 2-2154857-3 |
| | LC013B | Scalable LED Holder | | 2-2154857-3 |
| | LC026B | Scalable LED Holder | | 2-2154857-3 |
| SEOUL | LC026B / LC040B | Type Z50 Holder, Low Profile | 2213254-1 | |
| | LC026B / LC040B | Type Z50 Holder, with Optics Attach | 2213254-1 | |
| | LC040B | Scalable LED Holder | | 2-2154857-3 |
| | SBWW1F1A | Scalable LED Holder | | 2-2154857-1 |
| SHARP | SBWW2F1A | Scalable LED Holder | | 2-2154857-2 |
| | Petit Zenigata | Scalable LED Holder | | 2-2154857-1 |
| | Mini Zenigata | Solderless LED Socket, Type SMIZ | | 2174306-1 |
| | | Scalable LED Holder | | 2-2154857-1 |
| | | Type Z32 Holder, Low Profile | 2213118-1 | |
| | Mega Zenigata | Scalable LED Holder | | 2-2154857-3 |
| | | Type Z50 Holder, Low Profile | 2213130-1 | |
| | | Type Z50 Holder, with Optics Attach | 2213130-2 | |
| OPTICS ACCESSORIES | LEDIL | Z50 Holder Optics Retaining Clip Model 1 | 2213194-1 | |
| | LUXEON S | Type LS spot optic | 1-2154430-1 | |

FOR MORE INFORMATION

lumawise.com

TE Technical Support Center

| | |
|-------------------|-----------------------|
| Internet: | te.com/help |
| USA: | +1 (800) 522-6752 |
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| Germany: | +49 (0) 6251-133-1999 |
| UK: | +44 (0) 800-267666 |
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| China: | +86 (0) 400-820-6015 |

Part numbers in this brochure are RoHS Compliant*, unless marked otherwise.

*as defined te.com/leadfree



TE Connectivity is a participating member of the Zhaga Consortium, an industry-wide cooperation enabling the interchangeability of LED light sources and simplifying LED applications for general lighting.

te.com

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INTELLIGENT BUILDINGS