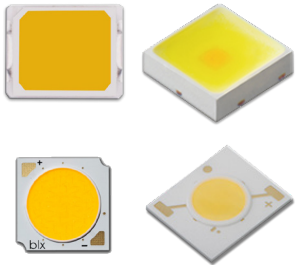





# Uncompromised Performance with Narrow-Band Phosphor Technology

## Over 200 lm/W at 90 CRI

Narrow-band phosphor technology enables high efficacy, high CRI fixtures for commercial applications.  
Example system:

	Product	Description	
Light Source	Bridgelux <b>21L-3C4</b>	F90, 3V, 2835 LED	
	Nichia <b>757 H6 LEDs</b>	Various 757 H6 Series, 3V & 6V 3030 LEDs	
	Bridgelux <b>F90-based boards</b>	Linear Zhaga-compatible boards	
	Bridgelux <b>F90 COBs</b>	F90 9W-36W Gen 8 COBs	
	Nichia <b>H6 COBs</b>	BV4H6 2W-16W COBs	
Driver	ERP <b>PKB50W-1400-55-TD</b>	PKB Series 50W linear driver	
	Signify <b>XI040C110V054PST2</b>	ComfortFade 40W linear driver	
	Signify <b>XI040C110V054VPT2</b>	Sensor-Ready 40W linear driver	
Optic	LEDiL <b>DAISY</b>	Low-glare linear optics	
Controller	Murata <b>LBCC2ZZ1PR-435</b>	Silvair-enabled 0-10V Bluetooth mesh node with sensor	
	Murata <b>LBCC2ZZ1UE-465</b>	Silvair-enabled DALI D4i Bluetooth mesh node with sensor	

### Leverage the FLS system solutions to:

- Achieve the required efficacy while meeting color rendition and lifetime metrics
- Meet connectivity requirements with dim-to-off or ANSI C137.4 compliant drivers
- Show low flicker for both static and tunable white fixtures
- Have excellent glare control with off-the-shelf optics

# Meeting All Requirements, Exceeding All Expectations

Target	Solution	DLC	LEED	Title 24	WELL	L-Prize
Efficacy	Narrow-band phosphor LEDs (Bridgelux & Nichia)	✓	✓	✓	✓	✓
CRI/TM-30		✓	✓	✓	✓	✓
L70/L90		✓	✓	✓	✓	✓
Glare (UGR)	LEDiL DAISY optics	✓	✓	✓	✓	✓
Driver Life	ERP and Signify drivers	✓	N/A	N/A	N/A	✓**
Driver Flicker		✓	N/A	✓	✓	✓**
Task Tuning	Murata in-fixture sensor*	✓	✓	✓	✓	✓
Occupancy/Daylight		✓	✓	✓	✓	✓
Energy Data**		✓	✓	✓	N/A	✓

\* Requires a dim-to-off driver; \*\* Requires D4i or ANSI C137.4 driver (Xtitanium SR or SR FlexTune),  
N/A = not a requirement in the standard or specification

## Narrow-Band Phosphor Technology Can Meet All Requirements:

- 90 CRI with R9>90 delivering over 200 lm/W
- Available in 2835s, 3030s, COBs and boards
- Available in a full range of CCTs 2700K - 6500K
- 3-step, single Vf bin options available for the highest level of consistency with mid-power LEDs
- Ideally suited for offices, schools, retail, grocery stores, warehouses, hospitality and more
- Strong LM-80 data supporting L90 > 36,000 hours

