



## 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.

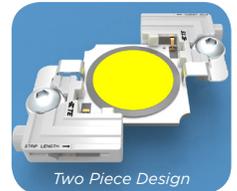
Our LED holders form the core of the fixture ecosystem by integrating LED electrical, mechanical, thermal, and optical interconnectivity. These holders can accelerate time to market, minimize applied costs, facilitate easy integration, and improve assembly efficiency when compared to traditional methods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

**SCALABLE LED HOLDERS**

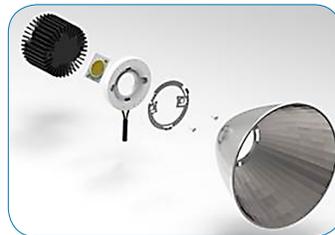
The Scalable LED holder platform enables connectivity to a wide range of LED arrays and is available in pre-assembled one piece & two piece configurations for ultimate design flexibility. The two piece design utilizes the same part for both positions and it's scalability makes it broadly applicable to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



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.

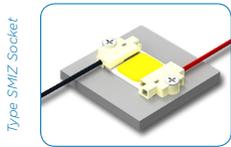
**CUSTOM LED HOLDERS**



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](http://te.com/ledholders) for the latest interoperability list

LED MANUFACTURER	LED PACKAGE	TE HOLDER SOLUTIONS	TE PART NUMBER	
			IPC 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
PHILIPS LUMILEDS	LUXEON S	Solderless LED Socket, Type LS	2154235-1	
		Solderless LED Socket, Type LS with optics attach	2154235-2	
	LUXEON K - 4up	Solderless LED Socket, Type LK		2173470-1
		Solderless LED Socket, Type LK		2173470-1
		Solderless LED Socket, Type LK		2173470-1
	LUXEON K - 8up	Type Z50 Holder, Low Profile	2213134-1	
		Type Z50 Holder, with Optics Attach	2213134-2	
		Solderless LED Socket, Type LK		2173470-1
		Type Z50 Holder, Low Profile	2213134-1	
	LUXEON K - 16up	Type Z50 Holder, with Optics Attach	2213134-2	
Solderless LED Socket, Type LK			2173470-1	
LUXEON K - 24up	Solderless LED Socket, Type LK		2173470-1	
	LED Holder, Type LH	2154821-1		
LUXEON COB	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
	SAMSUNG	LC013B	Scalable LED Holder	
LC026B		Scalable LED Holder		2-2154857-3
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
SEOUL	SBWW1F1A	Scalable LED Holder		2-2154857-1
	SBWW2F1A	Scalable LED Holder		2-2154857-2
SHARP	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](http://lumawise.com)

### TE Technical Support Center

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UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
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Part numbers in this brochure are RoHS Compliant\*, unless marked otherwise.

\*as defined [te.com/leadfree](http://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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