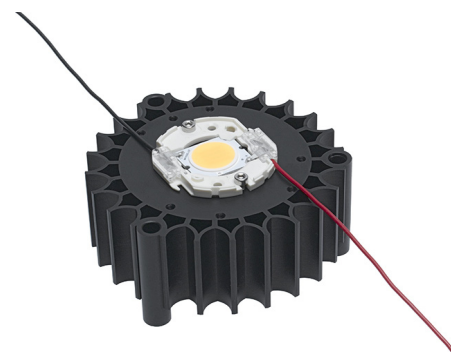


**Molex's LED Array Holders, ideal for OEM light-fixture manufacturers, simplifies the LED installation process and reduces installation time with compression contacts that eliminate hand soldering**

Molex LED products are ideal for original equipment manufacturers (OEM's) incorporating LED technology into any existing or newly designed lighting fixture. Unique compression contacts power the arrays, eliminating the need for hand soldering and expensive Surface Mount Technology (SMT) equipment. The contacts reduce solder-joint variability that can jeopardize LED array functionality. The solderless screw-down connection allows for a leaner manufacturing process, an easier integration of the latest LED technology into solid state lighting systems, while enabling interchangeability for future upgrades into virtually any lighting application. Molex LED array holders are designed to meet OEM lighting requirements, simplify installation, increase connectivity and reduce overall manufacturing costs.

**Why an LED Array Holder?**



**Compliance Assurance**

- ✓ **UL Recognized to UL 496 – Lampholder Specifications OLFB2**
- ✓ **c-UL Recognized to CSA-C22.2 No. 43 (2008)**
- ✓ **Rated to 600V**

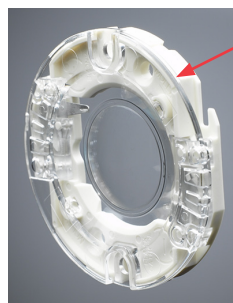
**FEATURES AND BENEFITS**

- Compression contacts for solderless connection to LED Array with multiple mate and un-mate cycles eliminate costs and risks associated with hand soldering, also expedite time to market for new lighting fixture designs
- Dual-end wire traps accommodate 18 to 20 AWG wire providing optimal design flexibility to differentiate lighting fixture products
- Screw-mount attachment method for securing array to heat sink provides voltage isolation between LED and heat sink and allows for build-to-order manufacturing model, reducing operator-to-operator variation and enables field replacement
- Optional clear protective cover and high-temperature thermoplastic housing provides protection from dust, impact and high heat-generating environments

**SPECIFICATIONS**

**Reference Physical**

-40 to +85°C (Recommended), +105°C max.  
 40.00mm mounting screw hole centers  
 Releasable wire traps for up to 5 mating cycles  
 Alignment ribs to assist in installation  
 Snap feature to incorporate optic or clear cover

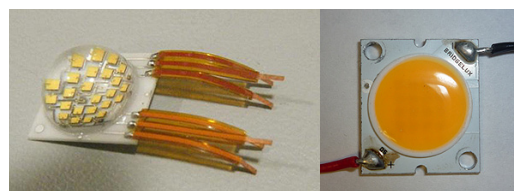


Molex solderless LED array holders with optional clear protective cover



Molex solderless LED array holders utilize a dual wire trap to accommodate a poke-in-wire connection and allow LEDs to be daisy chained together

**Traditional Wiring Methodology**



Soldered wires shown

**Electrical**

Voltage (max.): 600V DC  
 Current:  
 2.5A max. continuous; 3.5A max. peak current (max. 10% duty cycle)

**Compliance Assurance**

UL File No.:  
 UL Recognized to UL 496 – Lampholder Specifications OLFB2  
 c-UL Recognized to CSA-C22.2 No. 43 (2008)  
 Rated to 600V



Parallel

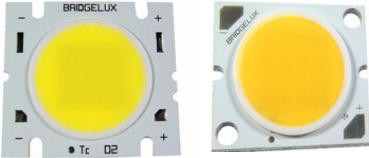
Series

Using plated plastic technology (LDS), Molex has the ability to design LED Array holders to power the LED in series or parallel configurations.

## Why an LED Array Holder?

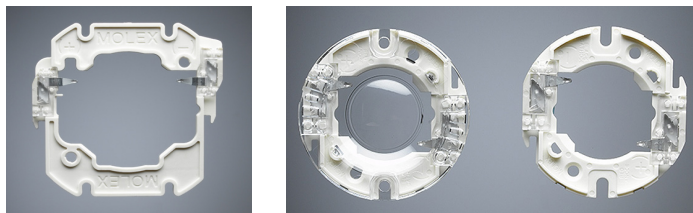


The Magic of Light™



Bridgelux\* RS Array

Bridgelux\* ES Array

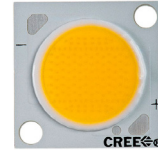


LED Array Holder for Bridgelux\* RS Array (series 180180)

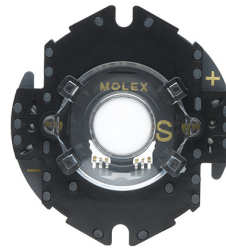
LED Array Holder for Bridgelux\* ES Array (series 180150)



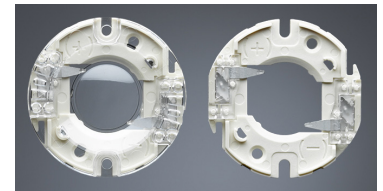
Cree‡ MP-L Array



Cree‡ CXA20 Array



LED Array Holder for Cree‡ XLamp® CXA20 Array (series 180160)



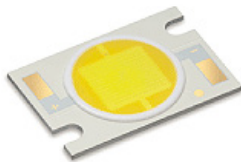
LED Array Holder for Cree‡ XLamp® CXA20 Array (series 180220)



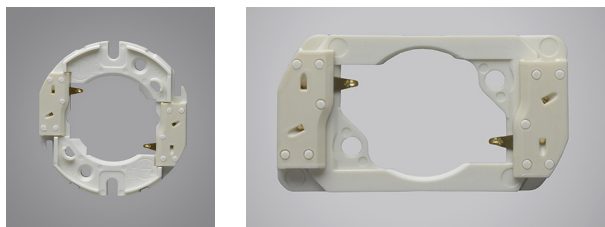
Micro HumanTech



Citizen† CL-L330 Array

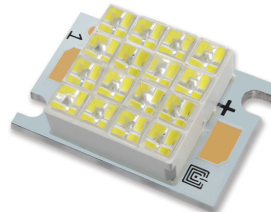


Citizen† CL-L340 Array



LED Array Holder for Citizen† CL-L340 Array (series 180190)

LED Array Holder for Citizen† CL-L330 Array (series 180260)



Illumitex\*\* Aduro†† / Surexi†† AD44 Array



LED Array Holders for Illumitex\*\* Aduro†† and Surexi†† AD44 Array (series 180250)

\*Bridgelux is a registered trademark of Bridgelux Inc.

†Citizen is a registered trademark of Citizen Electronics Co., Ltd.

‡Cree and XLamp are registered trademarks of Cree, Inc.

\*\* †† †† Illumitex is a registered trademark and Aduro and Surexi are trademarks of Illumitex, Inc.



[www.molex.com/industry/solidstatelighting.html](http://www.molex.com/industry/solidstatelighting.html)