

Molex's LED Array Holder, ideal for OEM light-fixture manufacturers, simplifies the LED installation process for Cree* XLamp† energy-efficient CXA20 Arrays and reduces installation time with compression contacts that eliminate hand soldering

LED technology has been proven to reduce the amount of energy consumed and is becoming a more reliable, efficient and user-friendly way for accommodating general illumination requirements. Using unmatched interconnect technology, Molex provides a solderless solution to mounting LED arrays into OEM designs.

LED array holders simplify the LED installation process by eliminating the need for hand or SMT soldering and expensive SMT equipment. The holders will allow customers to install LED arrays quickly into fixtures, enable field replacements and facilitate upgrades to current applications.

For additional information visit: www.molex.com/link/holdercree.html

For information about additional Solid State Lighting (SSL) that complements Cree and other array products visit: www.molex.com/industry/solidstatelighting.com

FEATURES AND BENEFITS

- Compression contacts to power array provide a stable connection in high-ambient temperatures and simplify the LED installation process by eliminating hand soldering or expensive Surface Mount Technology (SMT) equipment; reduces installation time
- Double-ended wire-trap terminal to attach power source allows for wiring serial or parallel LED sequences, ensuring ease of array assembly
- Screw-mount attachment method for securing array to heat sink provides voltage isolation between LED and heat sink
- Snap-lock feature allows for attaching an optic and enables robust mechanical attachment and aiming of light source, per application; eliminates the need for mounting screws
- Releasable wire trap for rework or replacement allows for field serviceability
- High-temperature thermoplastic housing supports high heat-generating environments
- Overall form factor is less than 50.00mm (1.96") in diameter and is ideal for lamp and small-fixture applications, including MR16 or track lighting
- Available with and without clear LED protective cover to provide dust and impact protection; provides flexible design options

LED Array Holder for Cree* XLamp† CXA20 Arrays

180220 LED Array Holders for Cree XLamp CXA20 Arrays



LED Array Holders for Cree* XLamp† CXA20 Arrays

SPECIFICATIONS

Reference Information

Packaging: Tray

UL File No.:

UL Recognized to UL 496

c-UL Recognized to CSA-C22.2 No. 43 (2008)

CSA File No.: TBD

Designed In: Millimeters

RoHS: Yes

REACH: Yes

Electrical

Voltage (max.): 300V DC

Current (max.): 2.5A continuous; 3.0A max.

Contact Resistance: 20 milliohms max.

Dielectric Withstanding Voltage: 300V DC

Insulation Resistance: 5000 milliohms min.

Mechanical

Wire Insertion Force: 5N (1.12 lbf) max.

Wire Pull Out Force: 25N (5.62 lbf) max.

Durability (min.): 5 Cycles

Physical

Housing: PA66 Nylon GF

Contact: Copper (Cu)

Plating:

Contact Area — Gold (Au)

Underplating — Nickel (Ni)

APPLICATIONS

- All general illumination applications
 - Downlighting
 - Rack
 - Pendants
 - Linear
 - Architectural
 - Decorative
- Area Lighting
 - Roadway
 - Parking lots
 - Wall Packs



*Recessed downlighting
in commercial buildings*



*Recessed downlighting
in residential and commercial buildings*

**LED Array Holder for Cree*
XLamp† CXA20 Arrays**

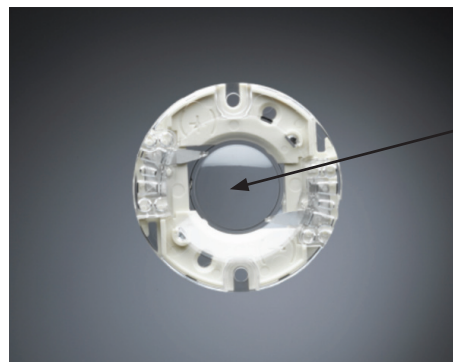
180220 LED Array Holders for
Cree XLamp CXA20
Arrays

ORDERING INFORMATION

Order No.	Plating	Clear Cover
180220-0000	Gold (Au)	No
180220-0001		Yes



LED Array Holder for Cree XLamp†
CXA20 Array (180220-0000)*



LED Array Holder for Cree XLamp†
CXA20 Array with Lens Cover
(180220-0001)*

Clear LED lens protective cover

*†Cree and XLamp are registered trademarks of Cree, Inc.