

Molex's LED MP-L Array Holder, ideal for OEM light-fixture manufacturers, simplifies the LED installation process for Cree energy-efficient XLamp MP-L arrays, reduces installation time with compression contacts that eliminate hand soldering and is available in series and parallel wiring options

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/holderCreempl.html.

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

FEATURES AND BENEFITS

- Available in series and parallel wiring options which provides an optional power scheme to the LED for higher voltage series wiring for parallel lamp applications or for low-voltage parallel wiring used in fixtures
- Compression contacts to power array provides stable connection in high-ambient temperature and simplifies 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 series 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
- Releasable wire trap for rework or replacement allows for field serviceability
- High-temperature thermoplastic housing supports high heat-generating environments
- Overall form factor is 44.85 by 42.00mm (1.77 by 1.65") which is ideal for lamp and small-fixture applications
- Available with and without a clear LED protective cover which provides dust and impact protection, and flexible design options
- Snap-lock feature for optional optic provides aiming of light source, per application

LED Array Holder for Cree* XLamp† MP-L Arrays

180160 LED Array Holders for Cree XLamp MP-L Arrays



LED Array Holder for Cree XLamp MP-L Arrays With Cover



LED Array Holder for Cree XLamp MP-L Arrays Without Cover

SPECIFICATIONS

Reference Information

Packaging: Tray
 UL File No.: Pending
 CSA File No.: Pending
 Designed In: Millimeters
 RoHS: Yes
 REACH: Yes

Electrical

Voltage (max.): 300V DC
 Current (max.):
 Series – 300mA
 Parallel – 900mA
 Contact Resistance: 20 milliohms max.
 Dielectric Withstanding Voltage: 300V DC
 Insulation Resistance:
 5000 Megohms 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: PA6/6T Nylon GF
 Cover: Clear PC Polycarbonate
 UF UL94HB
 Jumper: Natural PBT Polyester
 30% GF UL94V-0
 Wire Traps Terminals: Copper Alloy
 Plating:
 Contact to LED: Gold (Au)
 Contact to Wire: Silver (Ag)
 Jumper Terminals: Phosphor Bronze

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

APPLICATIONS

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

LED Array Holder for Cree* XLamp† MP-L Arrays

180160 LED Array Holders
for Cree XLamp MP-L Arrays



Recessed downlighting in commercial buildings



Recessed downlighting in residential and commercial buildings

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ORDERING INFORMATION

Order No.	Wiring Option	Clear Cover
180160-0000	Parallel	No
180160-0001		Yes
180160-0002	Series	No
180160-0003		Yes

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www.molex.com/link/holderCreempl.html