



Simplify light-fixture installations and achieve industry-leading thermal, electric and optic performance with reliable, solderless LED Array Holders

Chip-On-Board (COB) LED Array Holders simplify the LED installation process by eliminating the need for labor-intensive hand soldering. Risk of LED CoB damage is minimized by the reduction in handling.

The holders allow customers to install LED arrays quickly into fixtures, enable field replacements and facilitate upgrades to existing applications. COB LED array holders facilitate overall light-system cost reductions with a simple installation process and superior performance.

Molex provides reliable, easy-to-install holders for CREE XLamp arrays.

Features and Benefits

| | |
|---|---|
| Inspired by Zhaga Book 3 standards (round version only) | Promotes standardization with existing LED eco-system; allows manufacturers to upgrade without re-designing their products |
| LED CoB pre-hold feature | Minimizes installation time by allowing LED array to be secured to the holder prior to final assembly |
| Three-latch bayonet-style reflector attachment (180810 Series Only) | Provides secure attachment to existing Fortimo™ type reflectors; easy alignment and locking features |
| Flat surface with integrated bevel surrounding the Light Emitting Source (LES) | Allows for easy connection of secondary optics without interrupting light output. Offers a clean and finished appearance |
| Single-ended wire-trap terminal (180810 Series); Double-ended wire-trap terminal (180720, 180560 Series) | Provides design flexibility by allowing single- or serially-wired LED configurations |
| Robust housing and compression contacts | Provides stable mechanical, electrical and thermal connections in LED systems. Reduces installation time and quality concerns |
| Screw-mount attachment method for securing array to heat sink | Simple attachment reduces fixture manufacturing time |
| 4.10mm low-profile design | Compact height fits many applications |
| Releasable wire trap for rework or replacement | Allows for field serviceability and upgrade |
| Highly-reflective white thermoplastic housing | Promotes light output; provides mechanical stability in high-temperature environments |

LED Array Holders for CREE* XLamp Arrays

New Series

180810 CXA2520, CXA2530 and CXA2540 Arrays, Round Version with Bayonet Attachment

180720 CXA2520, CXA2530 and CXA2540 Arrays, Rectangular Version

180560 CXA1507 and CXA1512 Arrays



LED Array Holder for CREE* XLamp† CXA2520, CXA2530 and CXA2540 (Series 180810) Round Version



LED Array Holder for CREE* XLamp† CXA2520, CXA2530 and CXA2540 (Series 180720) Rectangular Version



LED Array Holder for CREE* XLamp† CXA1507 and CXA1512 (Series 180560) Rectangular Version

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



LED Array Holders for CREE* XLamp† Arrays

Specifications

Reference Information

Packaging: Tray
UL File No.: E345583
CSA File No.: E345583
Designed In: Millimeters
RoHS: Yes
REACH SVHC: Contains SVHC: No

Electrical

Voltage (max.): 600V DC
Current : 2.5A continuous; 3.5A max.
Contact Resistance: 20 milliohms max.
Dielectric Withstanding Voltage:
300V DC
Insulation Resistance:
5000 Megohms min.

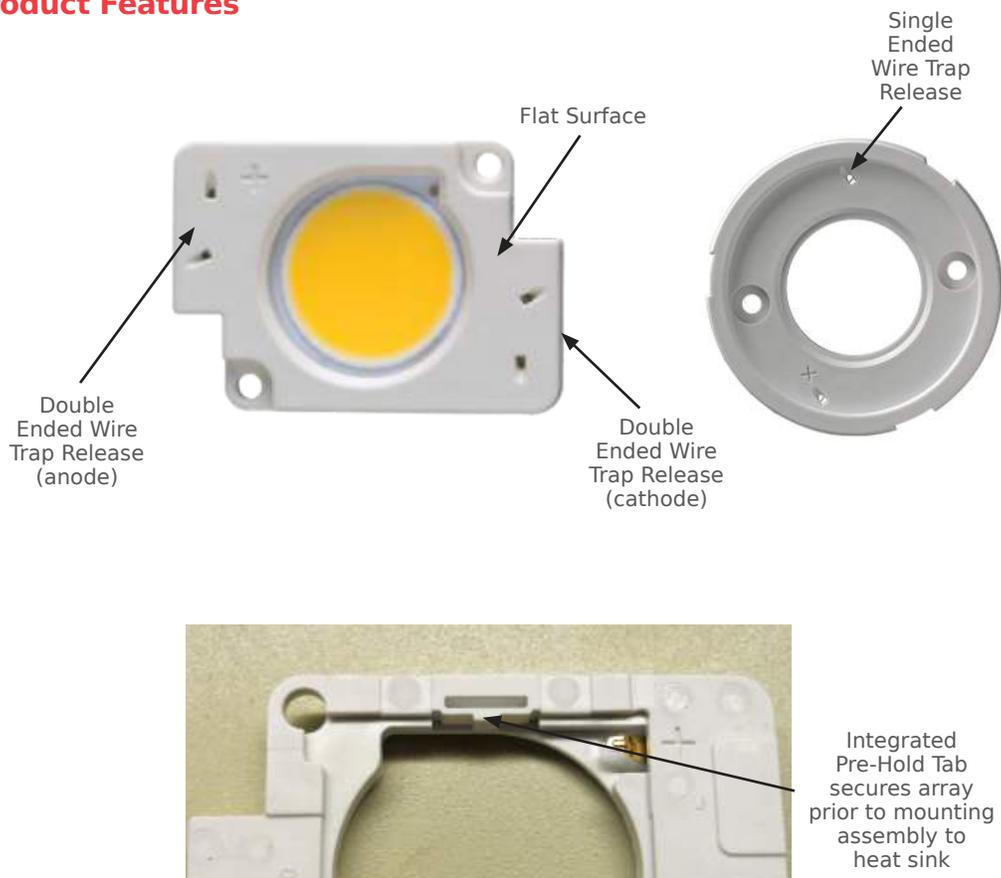
Mechanical

Wire Insertion Force: 5N max.
Wire Pull Out Force: 30N max.
Durability (min.): 5 Cycles

Physical

Housing:
CXA15/CXA25 – White PBT 30%
Glass fill UL94V-0
Contact:
Copper Alloy(Cu), Nickel (Ni) and
Gold (Au)
Plating:
Contact Area — Gold (Au)
Underplating — Nickel (Ni)

Additional Product Features





LED Array Holders for CREE* XLamp† Arrays

Applications

All general illumination applications

- Downlighting
- Track
- Pendants
- Linear

Areal Lighting

- Roadways
- Parking Lots
- Wall Packs

Ordering Information

| Order No. | Array | Version | ‡Integrated Pre-Hold Tab | Installation | Clear Cover | Wire Attach Method |
|-----------------------------|------------------------------|-------------|--------------------------|-------------------------|-------------|------------------------------|
| 180560-0001 | CXA1507and CXA1512 | Rectangular | No | (2) M2.5 Screw Mounting | No | Poke-In Releasable Wire Trap |
| 180720-0001 | CXA2520, CXA2530 and CXA2540 | | Yes | | | |
| 180720-0002 | | Round | | | | |
| 180810-0001 | | | | | | |

‡Note: Integrated pre-hold tab can be available for any version; contact Molex for additional information

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www.molex.com/link/holdercree.html
www.molex.com/industry/solidstatelighting.html