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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.

LED Array Holders for CREE* XLamp† Arrays
New Series
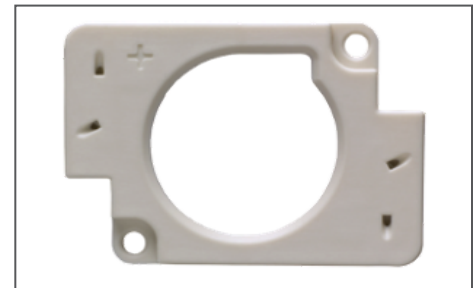
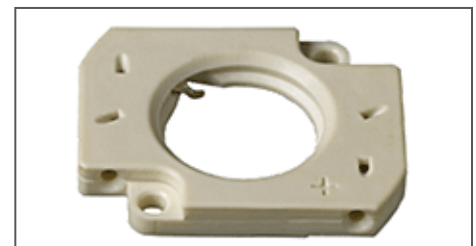|	
180810	CXA2520, CXA2530 and CXA2540 Arrays, Round Version with Bayonet Attachment
180720	CXA2520, CXA2530 and CXA2540 Arrays, Rectangular Version
180560	CXA1507 and CXA1512 Arrays

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 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.

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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:
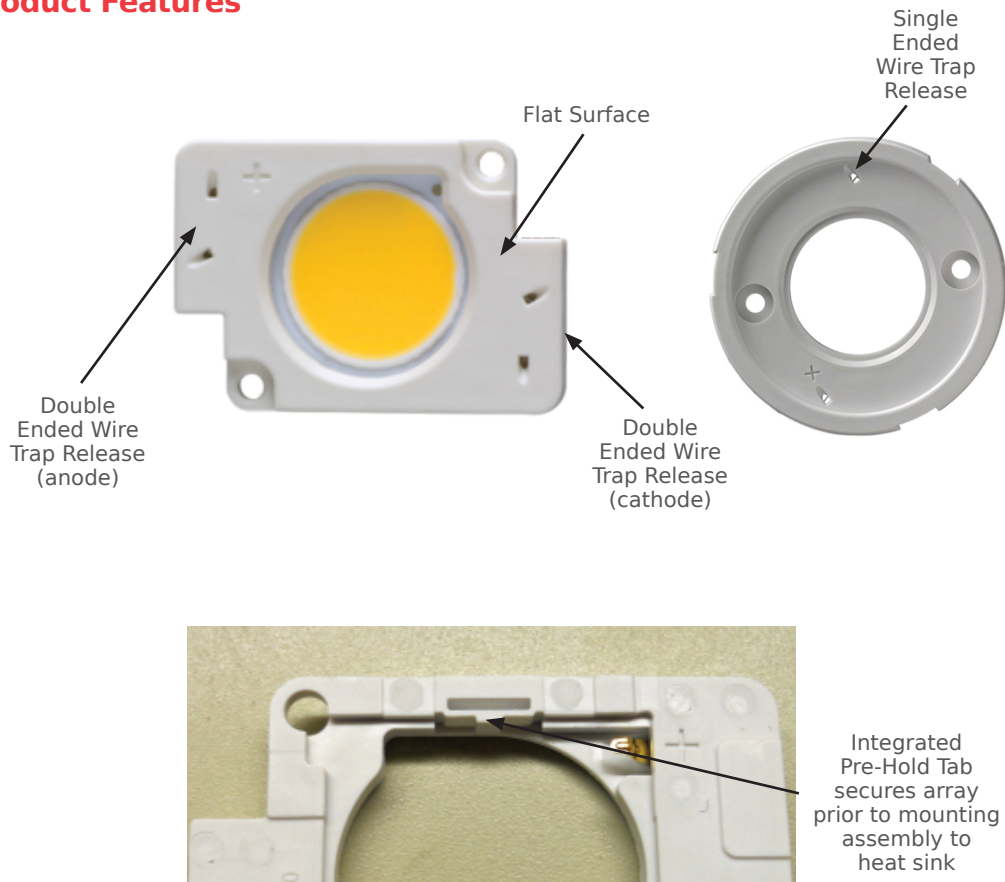 300V DC
Insulation Resistance:
  5000 Megohms min.

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

Single Ended Wire Trap Release

Flat Surface

Double Ended Wire Trap Release (anode)

Double Ended Wire Trap Release (cathode)

Integrated Pre-Hold Tab secures array prior to mounting assembly to heat sink

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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	CXA1507 and CXA1512	Rectangular	No	(2) M2.5 Screw Mounting	No	Poke-In Releasable Wire Trap
180720-0001	CXA2520, CXA2530 and CXA2540	Rectangular	No	(2) M2.5 Screw Mounting	No	Poke-In Releasable Wire Trap
180720-0002	CXA2520, CXA2530 and CXA2540	Rectangular	Yes	(2) M2.5 Screw Mounting	No	Poke-In Releasable Wire Trap
180810-0001	CXA2520, CXA2530 and CXA2540	Round	Yes	(2) M2.5 Screw Mounting	No	Poke-In Releasable Wire Trap

‡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