Models
50-2000CR, 50-2001CR,
50-3001CR, 50-3002CR
50-2002CT, 50-2000P

CHIP-LOK® Jr. COB Array Holder

Installation Instructions

WARNING

Electrical Shock Hazard.
Contact with high voltage may cause falling, serious injury, or death. Disconnect power before servicing. Never install holder without COB array. COBs manufactured by Edison, Lextar, LG Innotek and Osram have exposed live components; use in Class 2 or SELV applications only unless Luminaire provides sufficient electrical protection.

Electrical Fire Hazard.
Use in application exceeding voltage and current ratings listed can cause an electrical fire resulting in serious injury or death. Only use in accordance with Table 1 and local electrical wiring code.

For factory assembly into portable lamps and luminaires.

TABLE 1: Rated Wire (Use copper conductors only)

WIRE TYPE	c UL us	ENEC 05
Solid	18-24 AWG	0,25 - 1,0mm²
Tin Bonded	20-24 AWG	0,25 - 0,5mm²
Stranded	20-22 AWG	0,3 - 0,5mm²
Voltage (except as noted below)*	Class 2	SELV
Current (except as noted below)*	3A Max.	2A
Temperature	110°C	T-110

Wire Insertion Instructions

1. Strip wires to 5 mm (3/16"-7/32").
2. Grip wire firmly and push conductor into wire port (Figure 1). Do not pre-twist stranded wire. Gently pull conductor to ensure proper insertion. Repeat with other wire.
3. Use only one conductor per port and assure that no copper is exposed on any of the wires inserted.
4. Use only one wire per electrical cartridge. (Figure 2)

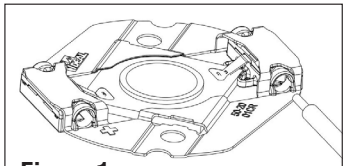
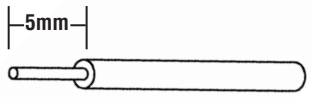


Figure 1



Installation Instructions:

1. Hold CHIP-LOK® holder in one hand; LED array in other hand.
2. Locate and align the "+" marking on both products.
3. Set LED array so that the corner of array fits into one set of retention legs.
4. Push the array toward retention legs and down to seat into other set of retention legs. (Figure 3)
5. Apply thermal paste/pad to array or heatsink (Max. pad thickness of 0,5mm)
6. Align Holder/Array assembly over screw holes in heat sink. See table for screw diameters. (Figure 4) Install M3 #4 or #5 pan head screws into luminaire.
7. Torque screws to 0.3 – 0.5 N-m (2.5 – 4.5 in-lb). Contact IDEAL for a proper torque if using thread forming screws.

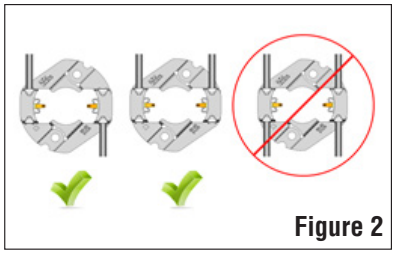


Figure 2

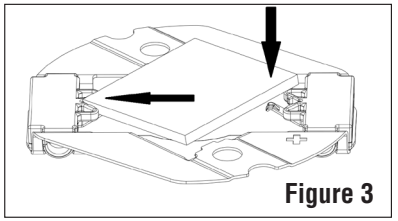


Figure 3

Never install holder without COB array. Energizing luminaire without COB array installed could cause electrical shorting to heatsink.

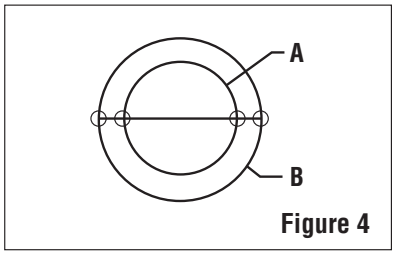


Figure 4

Holder	A in. (mm)	B in. (mm)
50-2002CT	0.984 (25)	**Only use 0.984 (25) holes for assembly**
50-2000CR	0.984 (25)	
50-2001CR	0.984 (25)	
50-2000P	0.984 (25)	
50-3001CR	1.236 (31.4)	1.378 (35)
50-3002CR	—	1.378 (35)

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U.S. Patent Nos. 9,146,027 & 9,249,955