LUMAWISE LED HOLDERS

FOR NICHIA J SERIES COB

The LUMAWISE LED Holder, Type Z50, is a circular LED holder that provides a quick and easy solderless connection to the 19*24 mm Nichia J series COB. The Type Z50 holders allow the direct attachment of Nichia J series LEDs to the heat sink using standard screws, which enables designs to be easier to use, and faster to market. The Type Z50 reduces assembly costs and provides a quality solderless power connection, secure mechanical attachment, proper thermal hold down forces, and a landing zone with attachment features for additional secondary optics. These 19*24 mm LED Holders come in Zhaga profile (2213580-2) and low profile (2213580-1) form factors.



Applications

Architectural

• Outdoor (Street and Area)

• Industrial

Emergency

• Residential

Commercial

Retail

Electrical

• Current rating: 5A

• Voltage rating: 300 V AC/DC Max (UL1977)

• UL1977 and CSA recognized component (cUR)

• EC 60838-2-2 (up to 60VDC max)

Mechanical

• Operating temperature range: -40 to 105°C

· Utilize a screw size of #4 or M3 for attachment

 Poke-in style electrical contacts supporting 18-22 AWG (.35 - .75mm²) solid, fused and stranded wire

Z50 w/optics attach: 50mm diameter by 6mm high
Z50 low profile: 44 mm by 3.4 mm high

• Enables compliancy to Zhaga book 3 standard

Specifications

Application Specification: <u>114-32048</u>
Product Specification: <u>108-133008</u>
Product Qualification Report: 501-19197

Materials

- · High mechanical strength
- High heat resistance
- Good electrical properties
- UL94V-0 flammability rating

Benefits

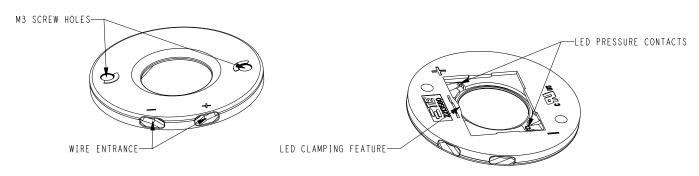
- LED Snap-in feature simplifies installation
- Poke-in wire connection eliminates time consuming soldering
- Enables an easy electrical, thermal and optical connectivity for faster assembly and mass adoption of CoB
- Enables constant thermal down force to minimize influence by thermal plastic deformation at high temperature
- Makes easy and clean thermal paste application possible with built-in excess paste overflow feature
- Provides a specified and stable landing area for additional secondary optics (e.g. Carclo and LEDIL)



Product Selection Information

Part Number	Description
2213580-1	LUMAWISE LED HOLDER Z50 LOW PROFILE 19*24
2213580-2	LUMAWISE LED HOLDER Z50 STD PROFILE 19*24

Dimensions



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