

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.

Product Offering

[2213580-1](#) LUMAWISE LED HOLDER Z50 LOW PROFILE 19*24

[2213580-2](#) LUMAWISE LED HOLDER Z50 STD PROFILE 19*24

Applications

- Architectural
- Industrial
- Residential
- Retail
- Outdoor (Street and Area)
- Emergency
- Commercial

Key Features

- 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)

Mechanical Specifications

- 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 - .75 mm²) 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

Electrical Specifications

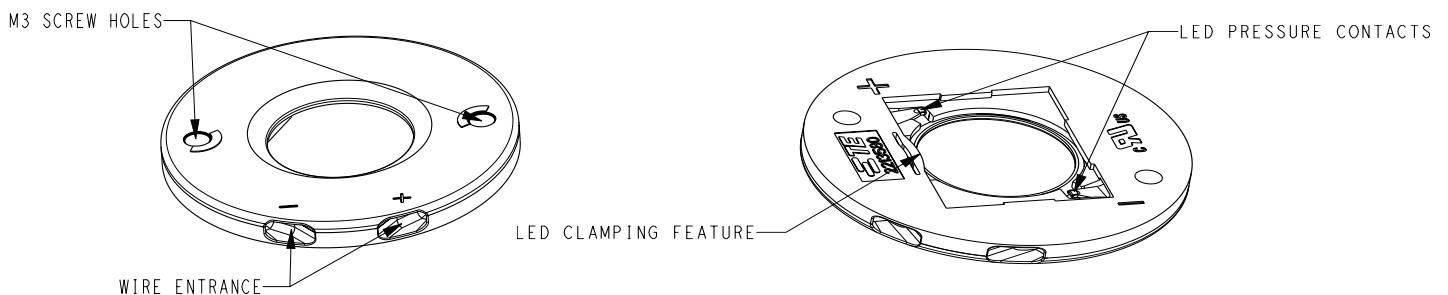
- Current rating: 5 A
- Voltage rating: 300 V AC/DC Max (UL1977)
- UL1977 and CSA recognized component (cUR)
- IEC 60838-2-2 (up to 60 VDC max)

Materials

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

Standards & Specifications

- Application Specification #: [114-32048](#)
- Product Specification #: [108-133008](#)
- Product Qualification Report #: 501-19197



*Dimensions are shown for reference purposes only. Specifications subject to change.
Customer drawing should be used for all design activity.*

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