



# 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 helps enable 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.

### 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 - .75mm<sup>2</sup>) 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

### 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)

### SPECIFICATIONS

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

### APPLICATIONS



Architectural



Industrial



Residential



Retail



Outdoor (Street and Area)



Emergency



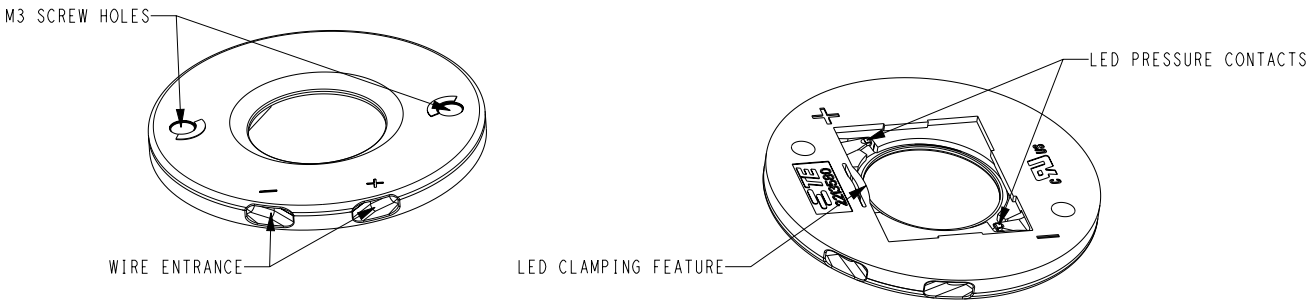
Commercial

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## PRODUCT SELECTION INFORMATION

| Part Number               | Description                               |
|---------------------------|-------------------------------------------|
| <a href="#">2213580-1</a> | LUMAWISE LED HOLDER Z50 LOW PROFILE 19*24 |
| <a href="#">2213580-2</a> | LUMAWISE LED HOLDER Z50 STD PROFILE 19*24 |

## DIMENSIONS



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