

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

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

Materials

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

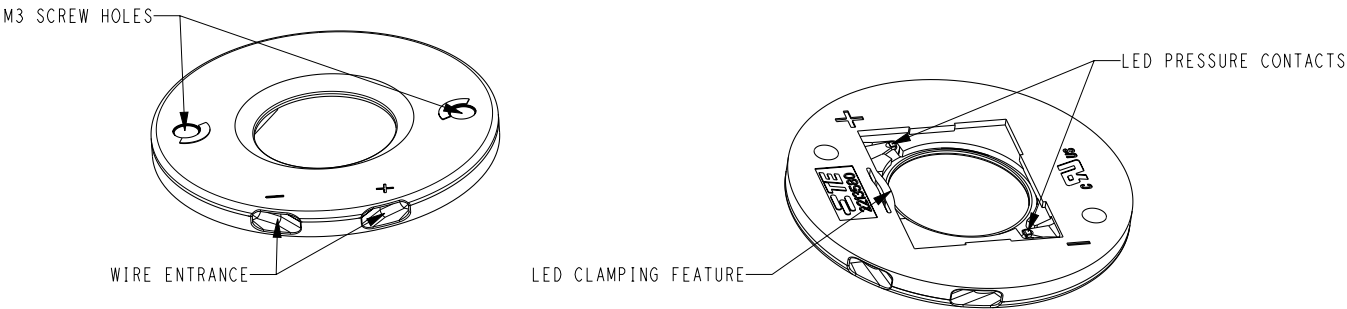
Benefits

- 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



te.com

© 2017 TE Connectivity. All Rights Reserved. LUMAWISE, TE, TE Connectivity, and the TE connectivity (logo) are trademarks of the TE Connectivity Ltd. family of companies. Other logos, product and Company names mentioned herein may be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

1-1773869-1 JN 06/2017

USA: +1 (800) 522-6752
Canada: +1 (905) 475-6222
Mexico: +52 (0) 55-1106-0800
Latin/S. America: +54 (0) 11-4733-2200
Germany: +49 (0) 6251-133-1999
UK: +44 (0) 800-267666
France: +33 (0) 1-3420-8686
The Netherlands: +31 (0) 73-6246-999
China: +86 (0) 400-820-6015