



LUMAWISE LED HOLDERS

Type Z50 LED holder for Samsung LC026B/LC040B

The TE Solderless LED Holder, Type Z50, is a circular LED holder that provides a quick and easy solderless connection to the Samsung LC026B/LC040B LED chip on board array family. TE's Type Z50 holder allows the direct attachment of Samsung LEDs to a heat sink using standard screws enabling 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.

APPLICATIONS

- Spotlights
- Down lights
- Stage lights
- Wall washers
- Architectural lighting

ELECTRICAL

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

MECHANICAL

- Operating temperature range -40 to 105°C
- Utilize a minimum screw size of #4 or M3 for attachment
- Poke-in style electrical contacts supporting 18-22 AWG (0.35 - 0.75mm²) solid, fused and stranded wire
- Z50 w/ optics attach: 50mm diameter by 6mm high
- Z50 low profile: 45mm by 3.4mm high
- Enables compliancy to Zhaga book 3 standard

PRODUCT OFFERING

- Z50 low profile holder: [2213258-1](#)
- Z50 with optic attachment: [2213258-2](#)

Optional Z50 Reflector Optics Retaining Clips

- Model 1 for LEDIL optics: [2213194-1](#)
- Model 2 for Khatod optics: [2213349-1](#)

FEATURES

- Snap-in LED retention feature simplifies installation by securing the LED to the holder before mounting
- Poke-in wire connection eliminates time consuming soldering to the LED
- 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
- Optional alternate mechanical optic attachment accessory
- Minimalistic aesthetic design with clear polarity indication to aid assembly
- Mechanically strong and robust design with negligible light interference
- Available optics from Carclo and LEDIL

MATERIALS

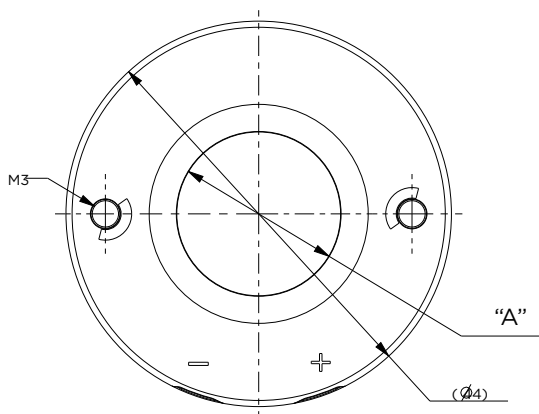
- High mechanical strength
- High heat resistance
- Good electrical properties
- UL94V-0 flammability rating

SPECIFICATIONS

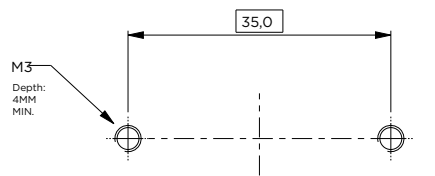
- Application specification #: [114-32048](#)
- Product specification #: [108-133008](#)

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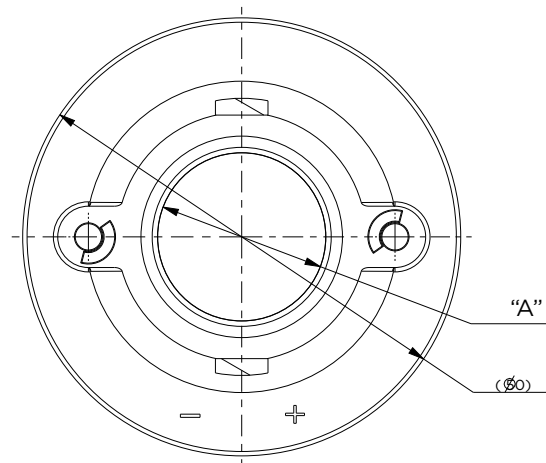
PRODUCT DIMENSIONS



Z50 Low Profile



Recommended Mounting Hole Pattern



Z50 with optic attachment features

Profile	A	B	Part Number
Low Profile	19.5 mm	3.4 mm	2213258-1
Optics Attach	20 mm	6 mm	2213258-2

TE Holder	Optics Partner	Product	Website	TE Attachment Accessory Required
2213258-2	Carclo Optics	NEWTON Series Reflectors	www.carclo-optics.com	None
2213258-2	LEDiL	ANGELA and ANGELINA Series Reflectors	www.ledil.com	2213194-1 (Reflector Optics Retaining Clip Model 1)
2213258-2	Khatod	LYRA series reflectors	www.khatod.com	2213349-1 (Reflector Optics Retaining Clip Model 2)

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

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01-26