LUMAWISE LED Holders
Type Z50 LED holder for Sharp Mega Zenigata

The TE Solderless LED Holder, Type Z50, is a circular LED holder that provides a quick and easy solderless connection to the Sharp Mega Zenigata LED chip on board array family. TE's Type Z50 holder allows the direct attachment of Mega Zenigata 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.

KEY 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

APPLICATIONS

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

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

ELECTRICAL

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

MATERIALS

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

PRODUCT OFFERING

Z50 low profile holder:	**2213130-1**
Z50 with optic attachment:	**2213130-2**

Optional Z50 Reflector Optics Retaining Clips:

Model 1 for LEDIL optics:	**2213194-1**
Model 2 for Khatod optics :	**2213349-1**

APPLICATIONS AND SPECIFICATIONS
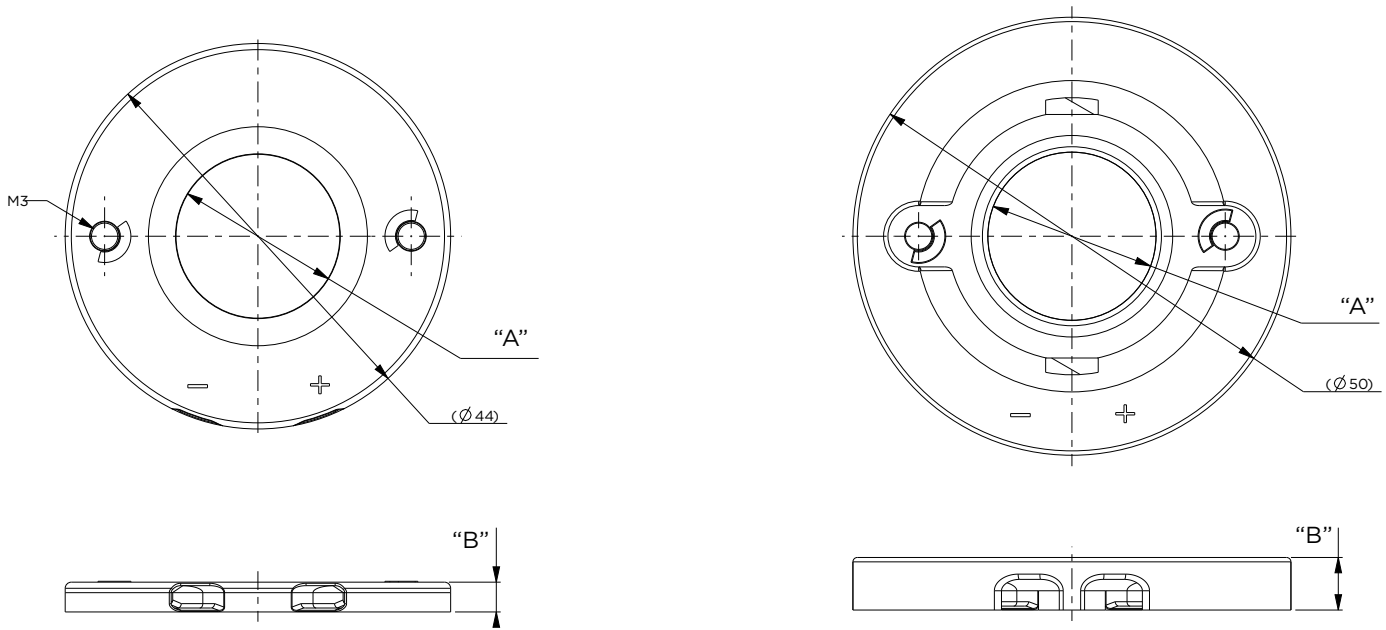
- Application Specification #:   **114-32048**
- Product Specification #:   **108-133008**
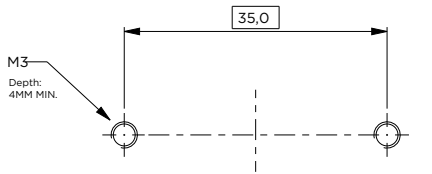- Product Qualification Report #:   **501-19197**

SHARP

TE connectivity

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PRODUCT DIMENSIONS

Z50 Low Profile

Z50 with optic attachment features

Recommended Mounting Hole Pattern

Profile	"A"	"B"	TE Part No.
Low Profile	19 mm	3.4 mm	2213130-1
Optics Attach	19 mm	6 mm	2213130-2

Available Optics

TE Holder	Optics Partner	Product	Website	TE Attachment Accessory Required
2213130-2	carclo Optics	NEWTON Series Reflectors	www.carclo-optics.com	None
2213130-2	LEDIL A WORLD OF INNOVATION	ANGELA and ANGELINA Series Reflectors	www.ledil.com	2213194-1 (Reflector Optics Retaining Clip Model 1)
2213130-2	KHATOD Optical Solutions for LED Lighting	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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