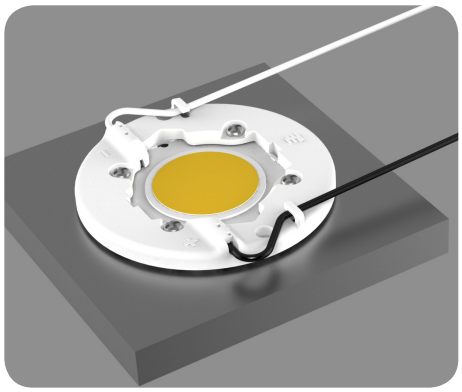


Introducing
TE Connectivity (TE) Solderless LED Socket, Type BR

The TE Solderless LED Socket, Type BR is a quick termination connector system for use with the Bridgelux RS LED. The one piece connector assembly features the TE poke-in wire termination to wire types ranging from 18 – 22 AWG wire. Termination to the Bridgelux RS LED is simplified with locating features that properly position the LED into the socket prior to mounting the full assembly onto the heat sink with four screws. To further enhance integration capabilities, the socket is designed to accept the commercially available LEDIL Britney Series Optics. Alternatively, ample space is available to allow for the use of other custom optical solutions.

The TE Solderless LED Socket, Type BR eliminates the need to design, manufacture and integrate a complex metal clad printed circuit board assembly into the lighting fixture. The ability to easily position and assemble the LED anywhere in a fixture using simple hand tools provides the fixture designer with a broad range of novel integration possibilities.

KEY FEATURES

- Solderless Termination To Bridgelux RS LED
- Poke-in wire terminals accept the following:
  18 – 22 AWG solid wires
  18 – 20 AWG pre-bond wires
  18 AWG stranded wire
- Cleared area designated for reflector mounting
- LED retained in housing with slight press-fit (LED not included)
- Four screw attachment using M3 or #4 screws
- Integrated features for polarization on heat sink
- Features molded in to provide wire strain relief

APPLICATIONS

- Retail lighting
- Commercial down lights
- High bay lighting

MECHANICAL

- -40°C TO 105°C continuous operating temperature
- 70mm approximate overall diameter
- Accepts 18 – 22 AWG, 300V rated UL 1007 wire
- Mating cycles:
  1 mating cycle for poke-in
  5 mating cycles for LED heat sink
- Alignment pins use same hole size as mounting screws
- Accepts standard LEDIL OY Britney Series reflectors

ELECTRICAL

- Current rating: 3A MAX
- Voltage rating: 60VDC
- Dielectric Withstand Voltage: 500VDC

MATERIALS

- Terminals: Tin plated, copper alloy
- Housing: UL 94V0 rated high temperature thermoplastic, UV FI resistant

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AGENCY STANDARDS

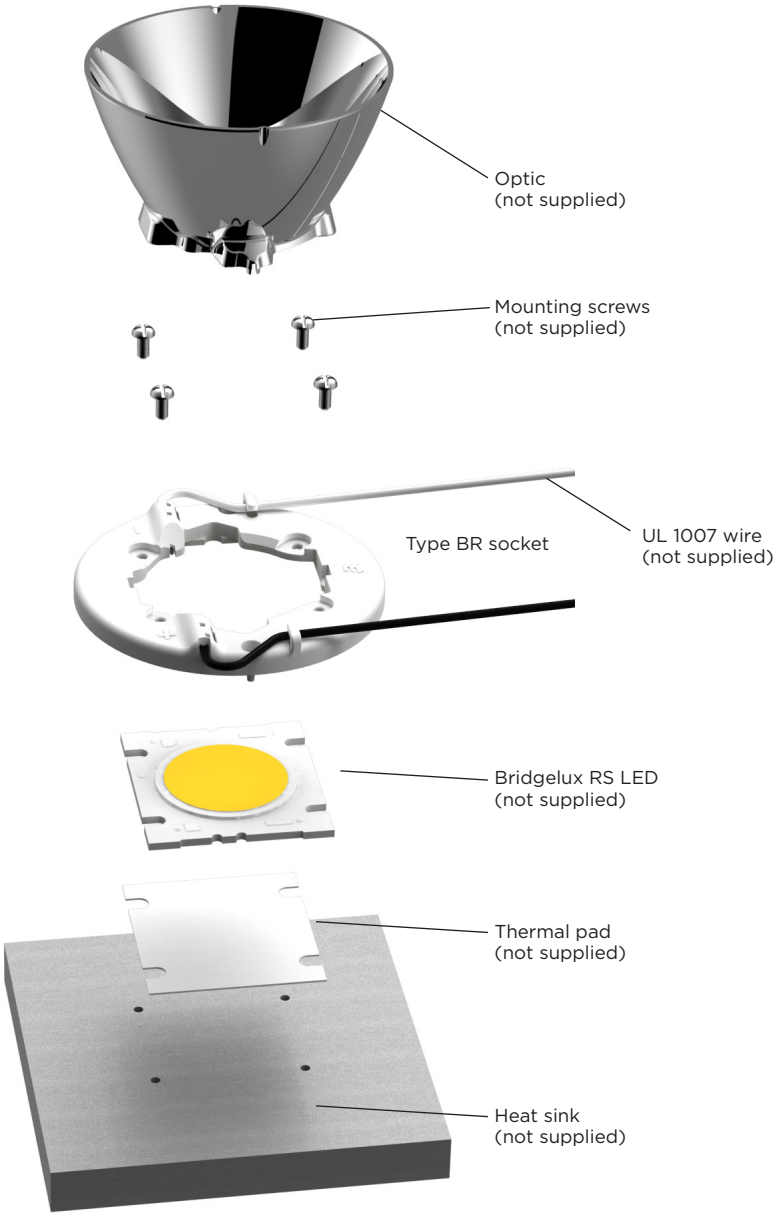
- UL Recognized to UL 1977 for use in UL 8750 applications

APPLICATIONS AND SPECIFICATIONS

- Application specification # - 114-13302
- Product Specification # - 108-2466
- Customer Drawing # - 2154455

PRODUCT OFFERING

2154455-1: Solderless LED Socket, Type BR



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