

# ZPLTR Trace

## INSTALLATION, MAINTENANCE & SERVICE

PATH & BOLLARD | TRACE Series  
1-10W (120-810lm) | 12V | HK LED



### Materials

6061-T6 machined aluminum  
A360 die cast aluminum  
316 stainless steel hardware

### Fitting

1/2" - 14 NPS male thread

### Dimming

MLV / ELV / 12VAC

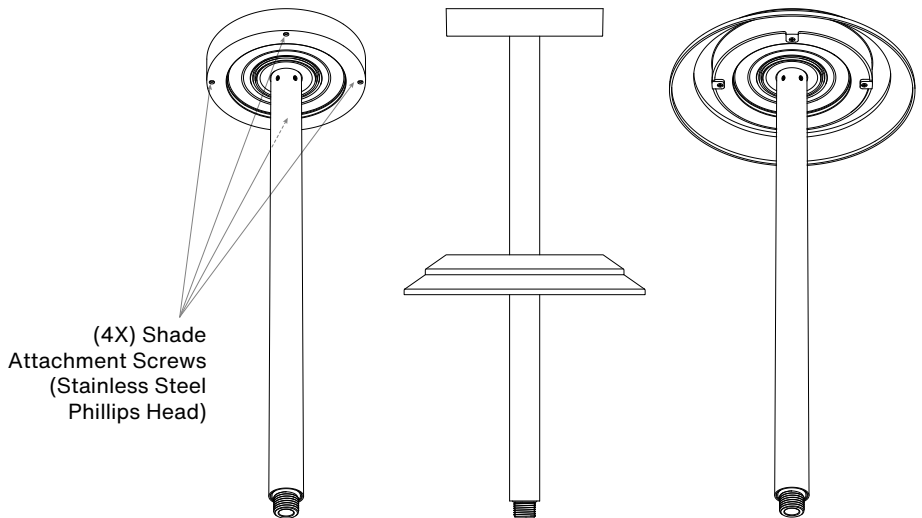


**TURN OFF POWER BEFORE AND DURING WIRING TO POWER SUPPLY**  
*Installation/Service must be done by a qualified electrician, and compliant with NEC and Local Codes.*

## Architectural Shade Installation (if present)

**NOTE: Must install Architectural Shade before Trace Path Light installation.**

- 1 Using a Phillips head screwdriver, remove the stainless steel shade fastening screws from the underside of the fixture head.
- 2 Pass the architectural shade through the bottom of the fixture and position it against the fixture head.
- 3 Align the shade with the fixture head. Reinstall the stainless steel screws and secure the shade. Do not overtighten.
- 4 Install the fixture as intended.

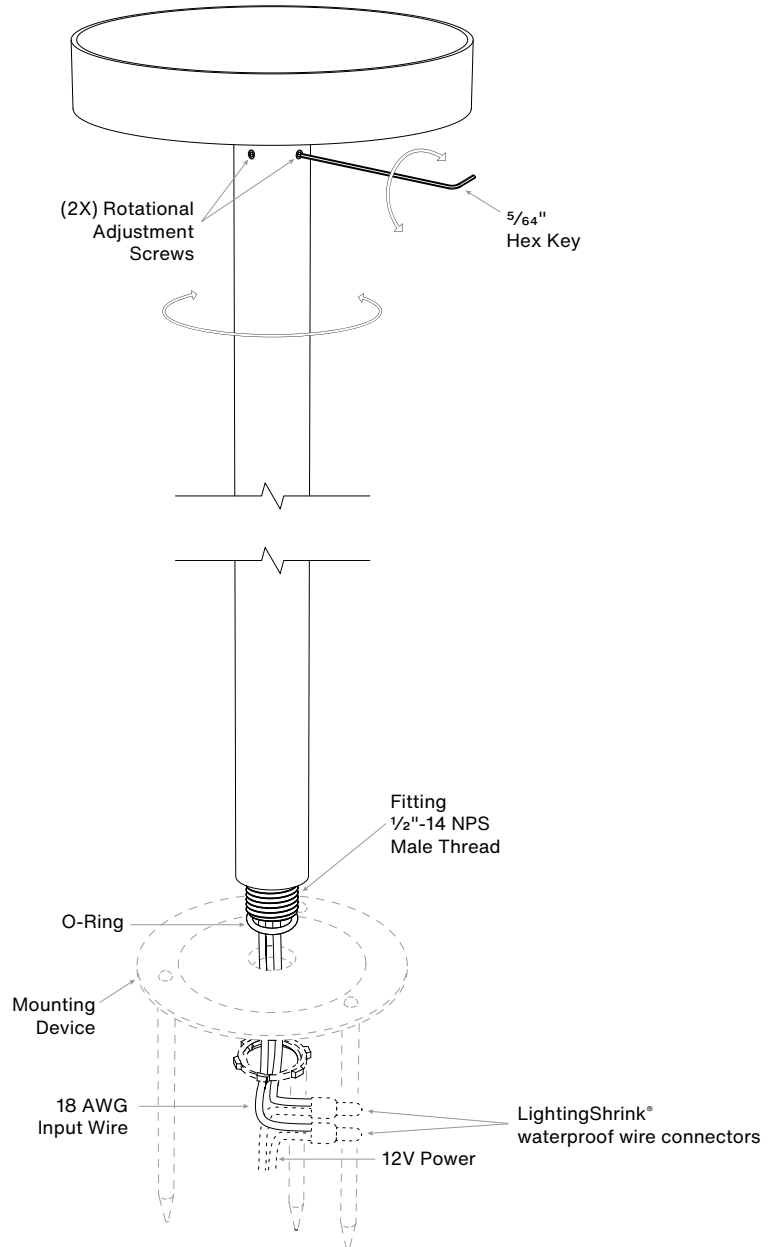


## Trace Path Light Installation



TURN OFF POWER BEFORE AND DURING WIRING TO POWER SUPPLY

- 1** Secure the fixture fitting to the 1/2"-14 NPS female thread on mounting device (plate, box, spike, etc.).
- 2** Connect 18 AWG solid input wires to the 12V power source using LightingShrink® (or other UL Listed) waterproof wire connectors. (See p3 for LightingShrink installation details)
- 3** Secure the mounting device with the fixture to the mounting surface. For HK mounting accessories, refer to the individual installation instructions for additional detail.
- 4** To adjust rotating position of the fixture, loosen rotation adjustment screws with 5/64" hex key, aim the fixture stem, and retighten the screw to secure. Do not overtighten.



### ADDITIONAL INSTRUCTIONS ON PROPER WIRING:

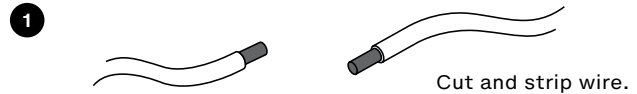
- The low-voltage cable shall be installed and routed in close proximity to the luminaire or fitting, or adjacent to a building structure such as a house or deck, in order to provide protection from physical damage.*
- The low-voltage cable shall not be buried, except for a maximum length of 6 inches 15.2 cm when necessary to make the connection to the main low-voltage supply cable.*
- The low-voltage cable shall be cut to length and connected to a listed connector located within 6 inches 15.2 cm of a building structure, luminaire, or fitting.*

## LightingShrink®: Connectors Installation Instruction

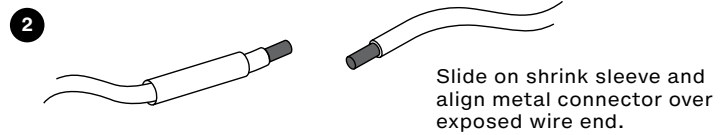
- 1 Cut and strip wire so ½" of copper wire is exposed on both ends.
- 2 Slide black shrink sleeve on one side of wire and insert exposed copper wire into metal crimping connector.
- 3 Use the LightingShrink Crimp Tool tool, select position that matches connector size (blue, yellow or red), and crimp crimp metal connector until Crimp Tool is fully depressed and releases. Crimp both ends of wire to metal connector and check for tightness.

*NOTE: If increasing wire thickness is needed fold stripped stranded copper wire back upon itself.*

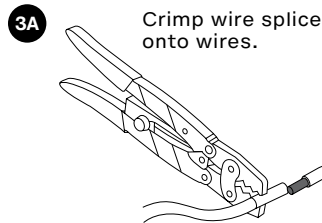
- 4 Slide black shrink sleeve over the crimped wire connection. Take care to center the connector in the middle of the shrink wrap tube.
- 5 Lightly heat from center out until protective sealant works out from ends forming a water proof gasket. A professional connection must be heated until ⅛" - ¼" of the protective sealant emerges from ends to form a waterproof gasket.



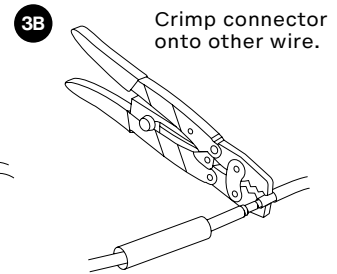
Cut and strip wire.



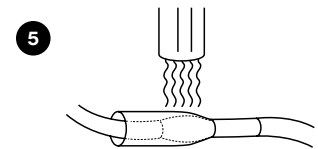
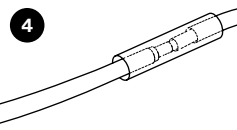
Slide on shrink sleeve and align metal connector over exposed wire end.



Crimp wire splice onto wires.



Crimp connector onto other wire.



Center LightingShrink over connector and lightly heat until approximately ¼ of flowing sealant emerges from each end.

## Available Connector / Sizing Cross Reference

### \* Small (Blue)

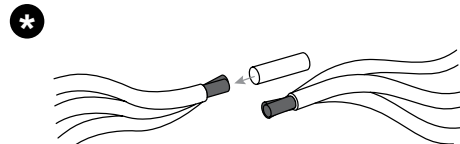
Connects (1) 12 Gauge per barrel/butt end or connects (1) 12 Gauge & (1) 18 Gauge per barrel/butt end.

### Medium (Blue)

Connects (1) 12 Gauge & (1) 10 Gauge per barrel/butt end or connects (2) 10 Gauge per barrel/butt end.

### Large (Red)

Connects (1) 8 Gauge & (1) 10 Gauge per barrel/butt end.



For multiple wire installations, select the appropriate LightingShrink® Connector size and follow the same instructions.