HK LIGHTING

Project Name

Fixture Type

ZPLTR Trace Solar

IP67

PATH & BOLLARD | Trace Series | 5" dia.
1W (100lm) | Solar | HK LED

Trace Solar Center-Mount Path Light: ZPLTR-PRC-ABL

Trace Solar Center-Mount Path Light with Modern Shade: ZPLTR-PRC-ABR + TRSM-RD-ABR

FEATURES

- Solar-powered LED fixture designed for architectural outdoor and landscape path and ground area lighting applications where traditional wiring is unavailable or not preferred.
- Integrated photovoltaic system with onboard battery management for autonomous dusk-to-dawn operation.
- Lithium Iron Phosphate ($LiFePO_4$) battery, user-replaceable for long-term serviceability.
- Minimalist center-mount design with a precision optical system delivering smooth, balanced 360° illumination.
- 1W integrated HK LED delivers 100 lumens. Available in 2700K or 3000K CCT.
- Wet Location Listed. IP67 standard.
- Precision crafted from machined 6061-T6 aluminum and die-cast A360 aluminum components, then anodized and powder coated for a highly durable, corrosion-resistant, marine-grade finish. A custom photovoltaic glass lens complements the fixture design and resists hazing and daytime reflection.
- Available mounting heights of 18", 24", and custom lengths.
- Readymade eligible configurations ship in 2 weeks.

SPECIFICATIONS

Materials
LIGHT MOUNT: Solid billet 6061-T6 corrosion resistant aluminum with 304 stainless steel.

LIGHT HEAD: Die Cast A360 corrosion resistant aluminum with 316 stainless steel hardware.

SHADE: Die Cast A360 corrosion resistant aluminum.

BATTERY: Lithium Iron Phosphate ($LiFePO_4$ / LFP) rechargeable battery with high safety and long service life.

Finish
Aluminum materials are first anodized and then powder coated for a robust, marine-grade finish.

Shades
Optional Modern or Pagoda architectural shade accessories.

Power / Battery
Integrated photovoltaic charging system with onboard battery management and user-replaceable Lithium Iron Phosphate ($LiFePO_4$) battery for autonomous dusk-to-dawn operation. Runtime varies based on geographic location, seasonal daylight availability, and solar exposure conditions.

Wattage
1W delivers 100 lumens.

Light Engine
HK LED Light engine. CRI 90 Standard. Standard CCT options are 2700K, 3000K.

Solar Collector
Photovoltaic charging surface utilizes a custom tempered glass engineered to maintain solar charging performance over time. It resists hazing, discoloration, scratching, and unwanted daytime reflections.

Optics
Precision engineered polycarbonate optical lens with batwing distribution for smooth, even illumination.

Mounting
Mounts using ½"-14 NPS male fitting compatible with all HK Lighting Group mounting devices. *(See page 4 for details)*

Listings
CSA Listed for Wet Location, IP67 Standard. RoHS Compliant. Meets Dark Sky requirements.

ZPLTR Trace Solar

Path & Bollard • Trace Series

ORDERING GUIDE

EXAMPLE: **ZPLTR-PRC-ABL-SOLR01W-27-18**

MODEL	PHYSICAL OPTIONS			MATERIAL /FINISH	POWER		LIGHT	EXTENSION SIZE
ZPLTR	**P**	**R**	**C**		**SOLR**			
Trace Series Path Light Integrated HK LED	**TYPE** **P** Photovoltaic (Solar)	**SHAPE** **R** Round	**SHAPE** **C** Center Mount (Symmetric Light)	**ABL** Aluminum Black **ABR** Aluminum Bronze	**VOLTAGE** **SOLR** Solar	**WATTAGE** **01W** 1 Watt (100lm)	**CCT** **27** 2700K **30** 3000K	**LENGTH** **18** 18" **24** 24" **CC** Custom[2]

Readymade eligible configurations ship in 2 weeks

[1] Where CC is the custom extension length in inches

ACCESSORIES (Not installed at time of order)

MOUNTING ACCESSORIES (Most common listed, see Page 4 for additional options)

GROUND MOUNT	
MHP	8" Plastic Single Prog Spike (12V)
MHCS-06	6" PVC Single Prong Spike (12V)[2]
MHCS-12	12" PVC Single Prong Spike (12V)
MH02-06-BRZ	6" Stainless Steel 3-Prong Spike (12V) Bronze
MH02-12-BRZ	12" Stainless Steel 3-Prong Spike (12V) Bronze
MH02-06-TR-BRZ	6" Stainless Steel 3-Prong Spike Bronze, Theft Resistant
MH02-12-TR-BRZ	12" Stainless Steel 3-Prong Spike Bronze, Theft Resistant
JB-1	Brass In-ground Junction Box
PLATE MOUNT	
CM1-XXX	3.75" Square Canopy Plate
CM3-XXX	4.75" Square Canopy Plate
CM5-XXX	5" Round Canopy Plate
SURFACE MOUNT	
CMLJ-XXX	2.7" Round Surface Box
CB4.0-XXX	4" Round Surface Box
CB5.5-XXX	5.5" Round Surface Box

- Consult Accessory Spec Sheet for desired option code.
- XXX represents finish option.
- Readymade options available in ABL and ABR only unless noted by the part code.

[2] Due to the height of the ZPLTR product, single prong ground stake not recommended for use in soft soil

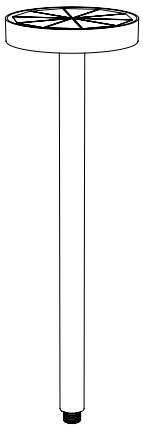
SHADE ACCESSORIES

TRSM-RD-XXX	Modern Shade, Round
TRSP-RD-XXX	Pagoda Shade, Round

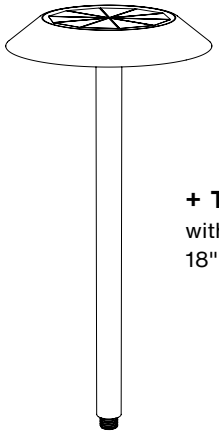
REPLACEMENT BATTERY

TRC-BATT	ZPLTR-PRC Replacement Battery

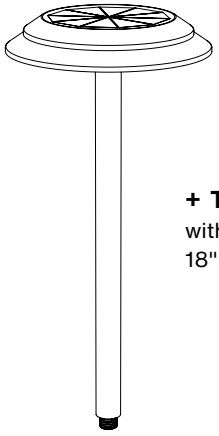
PRODUCT DRAWINGS



ZPLTR-PRC
Low Voltage
18" Extension

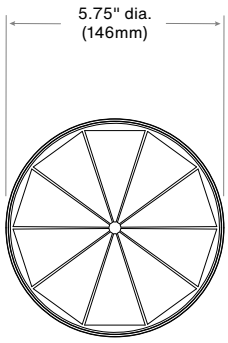


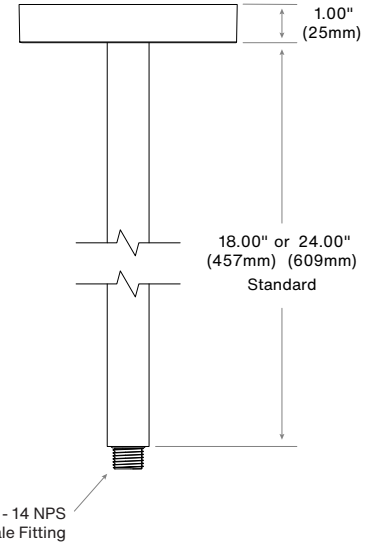
+ TRSM-RD
with Modern Shade
18" Extension

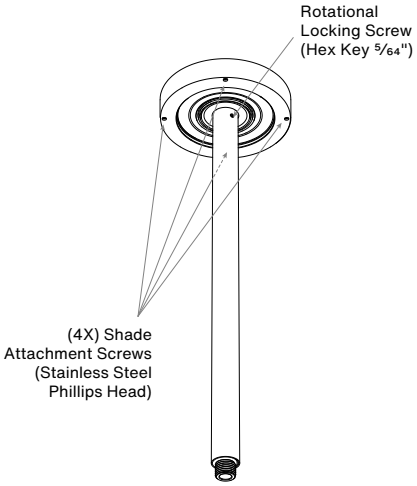


+ TRSP-RD
with Pagoda Shade
18" Extension

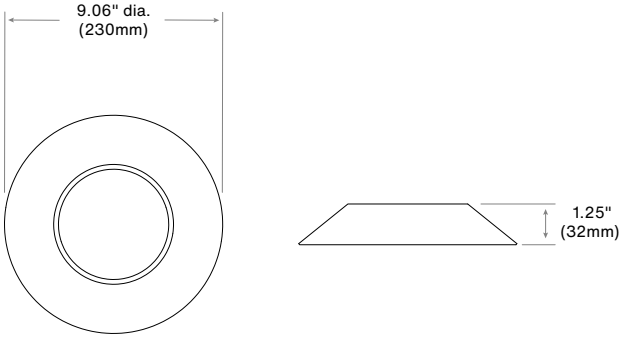
ZPLTR-PRC



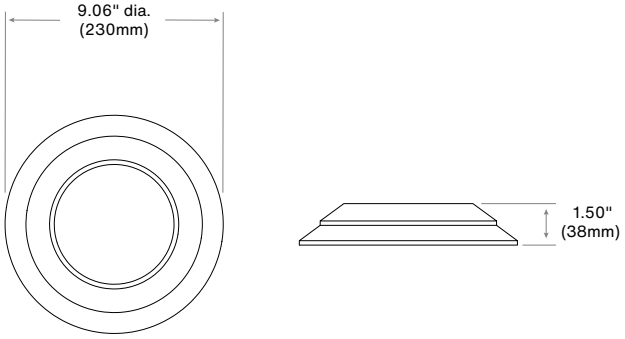




TRSM-RD (Modern Shade)

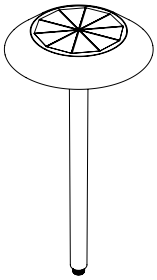


TRSP-RD (Pagoda Shade)



OPTIONS & ACCESSORIES

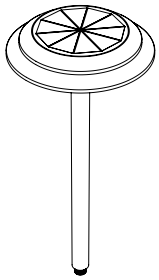
SHADE ACCESSORIES (Shade and Mounting Accessories are shipped separately for installation on site)



TRSM-RD

MODERN SHADE[3]

Minimal profile for contemporary and transitional designs.



TRSP-RD

PAGODA SHADE[3]

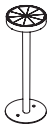
Architectural form for transitional and traditional designs.

[3] Optional shades do not affect optical distribution or fixture spacing

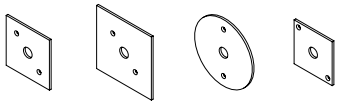
MOUNTING ACCESSORIES

Go to Accessories for options and full specifications.

Plate Mount:

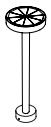


Fixture On CM5

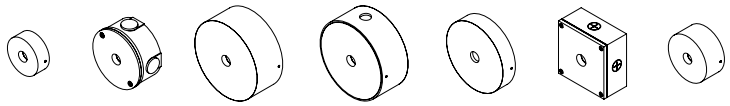


CM1 | CM3 | CM5 | CM2

Surface Mount Box:

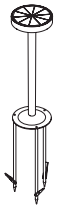


Fixture On CMLJ

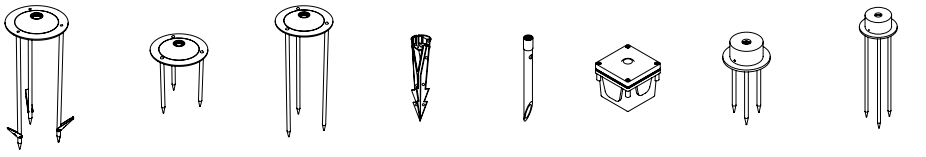


CMLJ | CB4.0 | CB5.5 | CB5.5-K/O | CB5.1 | CB4.0-SQ | CB3.5

Ground Mount:



Fixture On MH02-12-TR



MH02-12-TR | MH02-06 | MH02-12 | MHP | MHCS | JB-1 | MH02-T-06 | MH02-T-12

Readymade eligible configurations ship in 2 to 4 weeks.

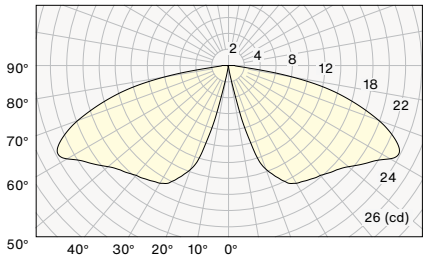
Notes:

PHOTOMETRY & ENERGY DATA[4]

ZPLTR Trace Solar 1W

Input Power	0.70W
Color Temperature (CCT)	3000K
Color Rendering Index (Ra)	90+
Beam Angle	122°
Max. Candlepower	24 cd
Delivered Lumens	100lm

Polar Graph - Intensity



[4] Performance depends on solar exposure Installation in shaded areas or locations without direct sunlight will reduce charging and may affect nightly runtime.

CCT MULTIPLIER

Color Temp.	Multiplier
2700k	0.96
3000k	1.00

SOLAR PERFORMANCE ZONES (U.S.)

Expected solar runtime performance varies by geographic location and seasonal daylight availability.

ZONE 1 - Sunbelt Performance Zone

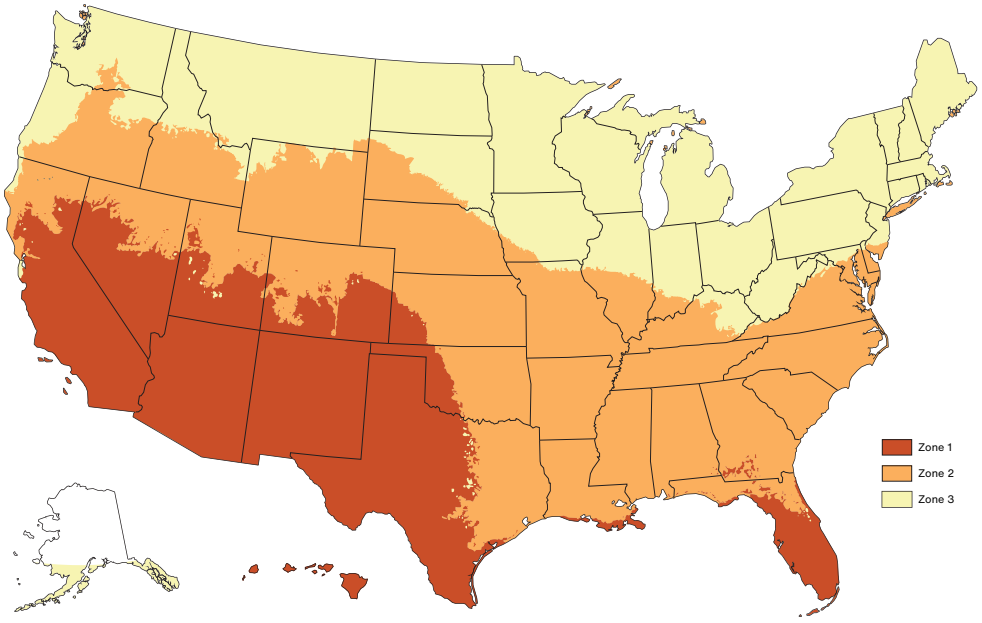
Regions with high solar exposure and extended daylight. Full overnight runtime is expected year-round under normal conditions.

ZONE 2 - Standard Solar Zone

Regions with moderate solar exposure. Full overnight runtime is expected under normal conditions. Temporary reductions of approximately 2–3 hours may occur during peak winter months when extended overcast or storm conditions limit daily charging.

ZONE 3 - High Latitude Zone

Regions with reduced solar exposure during winter months. Full overnight runtime is expected spring through fall. During winter, shorter daylight hours and lower sun angles may limit runtime from sunset to sunrise. Full performance returns as daylight increases.



[†] Snow accumulation on the solar panel will block charging. If not cleared, nighttime operation may be reduced or may not occur. Placement in areas of prolonged or heavy shade will similarly reduce charging and runtime.