



MORAGA 18W

APPLICATIONS

MORAGA solar light efficiently illuminates outdoor spaces like recreational living areas, gardens, and pathways. This solar light fixture has an integrated 360-degree glare-free, beam-styled lighting. Powered solely on renewable solar energy, MORAGA is a stand-alone, off-grid, functioning pathway light with zero operational costs. Designed with an elegant form, it is ideal for comfortable living areas and hospitality applications. Additional applications include perimeter, backyard/front yard, residential streets, pedestrian paths, outdoor walkways, and more.

DESCRIPTION

Incorporated with a simplified cosmetic appearance, MORAGA combines the latest technology of lithium batteries, efficient solar panels, and a smart control system to cultivate the ultimate design and experience for users. The high efficiency 42W solar panel and MPPT solar charge controllers are adopted to ensure sufficient electrical power could be generated every day to ensure stable luminaire work without blackout year-round.

ORDERING INFORMATION

SERIES	WATTAGE	COLOR TEMPERATURE	MOUNTING OPTIONS	FINISH
STL-MOR =MORAGA	18=18W 2,800 Lumens	3=Dual-color 3000K/4000K	PT=POST TOP	BK=Black

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Example: STL-MOR183PTBK

This example product number is for MORAGA 18 watt, Dual-color 3000K/4000K CCT, Post Top installation, with a black finish.

FEATURES & BENEFITS



Efficiently Collects Solar Energy

- An efficient mono solar panel is equipped to generate electricity power continuously and keep the system working stably during daylight.
- 150lm/Watts high luminous efficiency. Color temperature is adjustable between 3000K and 4000K; brightness is adjustable between 20%-100%.
- Bonus feature: Slanted solar panel provides additional solar energy harvesting and reduces dust collection on the surface.



Multifunctional & Flexible

- Suitable for pole diameter 2 3/8" to 3".
- Professionally designed structure ensures that all water will empty out from built-in drainage holes. Even if rainwater enters the interior of the lamp body, it will not affect the fixture's performance and normal operation.
- Ideal for both residential and commercial use.



Cost Saving

- All solar fixtures avoid trenching, wiring, and the need for on-grid electricity, cutting down maintenance and installation costs.
- Built-in lithium battery has up to 2000 cycles; ensuring up to 5 years of independent system operation without any maintenance.



Durable & Dirt Resistant

- The aluminum body received sophisticated surface treatment, preventing possibilities of rust or oxidation over time.
- Specially customized 304 stainless steel anti-theft screws are easy to install, provide strong linkage, no rust.
- Tough and transparent polycarbonate cover protects the milky optics and LEDs from any damage and keeps insects from entering.

CATALOG	PROJECT	PREPARED BY	DATE	COMMENTS

CERTIFICATION DATA



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MPPT Charger+Sensor

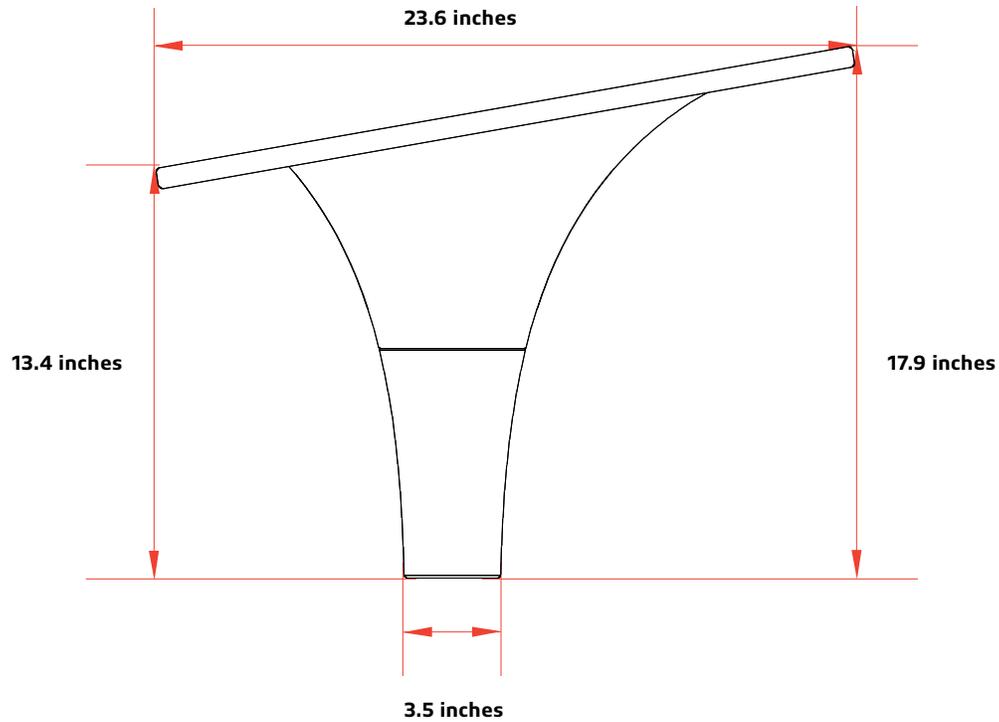
- Equipped with a sensitive microwave sensor; contains a motion detection mode that is available on the remote control. MPPT charge controllers are adopted to save more energy, ensuring 30% more power generated than PWM controllers' counterparts.



User-Friendly

- Remote control has a longer control distance and 360-degree signal transmission. Wide range of modes on the remote control, including functions for setting the light power, color temperature, and working hours.
- Remote control provides programmable lighting duration: options are 6 hours, 8 hours, or 12 hours. Color temperature can be adjusted between warm white and cool white to ensure the perfect lighting atmosphere. All operations can be executed via the provided remote control.

PRODUCT SIZE





MORAGA 18W

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SPECIFICATIONS

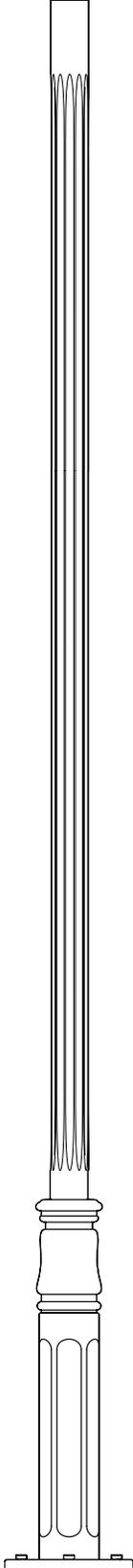
Specifications	MORAGA
LED Nominal Power	18W
Solar Panel	Mono-Crystalline 18V 42W
Lithium Ion Battery	154WH 12.8V
CCT	Dual Color 3,000K + 4,000K
Lumen Output	2,800LM
CRI	>80
Product Size	23.6 X 23.6 X 17.9 Inches
Controller	MPPT Controller
Beam Angle	150°
IP Rating	IP65
Casting	Aluminum Die Casting + Polycarbonate
* Charging Time	7.5hrs@(1000W/m ²)
Run Time (@Full Power)	12-14 Hours
Operation Mode	5 Operating Modes
* Operating Temperature	-20°C/-4°F to 158°F
* Charging Temperature	0°C/32°F to 158°F

* The temperature can impact the battery's charging and normal operation.

* The solar charge time data is base on 77 degree F ambient temperature with the panel pointed directly at the solar radiation. The standard radiation value is 1000W/m².

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Round Smooth Decorative Aluminum Pole—10Ft



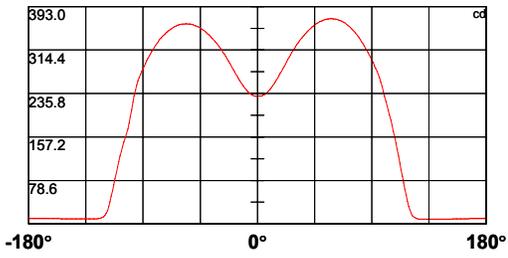
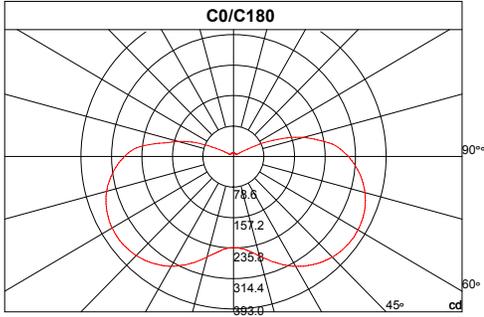
STL-RSA3001110-BK-3-GA11					
CATALOG LOGIC		CODE	EXPLANATION		
SERIES:		RSA	Round Smooth Decorative Aluminum Pole		
BASE DIAMETER:		300	3.0" Shaft Diameter		
GAUGE:		11	11 Gauge Thickness		
NOMINAL HEIGHT:		10	10 Feet Tall		
FINISH:		BK	Black Finish Colors		
MOUNTING DESIGNATION:		3	3.0" X 2 1/2"		
HEIGHT (FT.)	POLE SHAFT (IN.)X(FT.)	GAUGE	HANDHOLE SIZE (IN.)X(IN.)	ANCHOR BOLT (IN.)X(IN.)X(IN.)	BOLT CIRCLE (IN.)
10	3.0 X 10.0	11	/	0.8 X 1.4	9.5
EPA	80 MPH (FT.²)	90 MPH (FT.²)	100 MPH (FT.²)	WEIGHT	SHIP WT. (LBS.)
	5.3	4	3.2		



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Light Distribution



INSTALLATION—POLE MOUNT

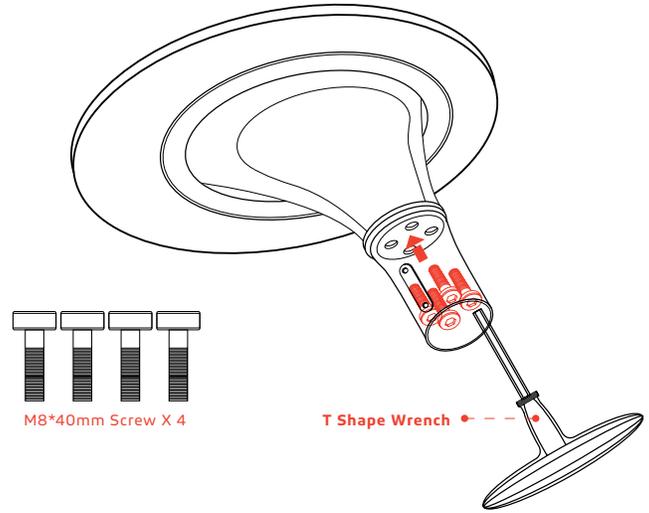
01

Connect the light head holder with the light head, and rotate the holder to the right position as the label marked to be a smiling face. There should be NO gap between the light head and the holder.



02

Tilt the light head, place the screw on the T shape wrench. Install the 4pcs of M8*40mm screws screw inside of the light holder, and tighten them.

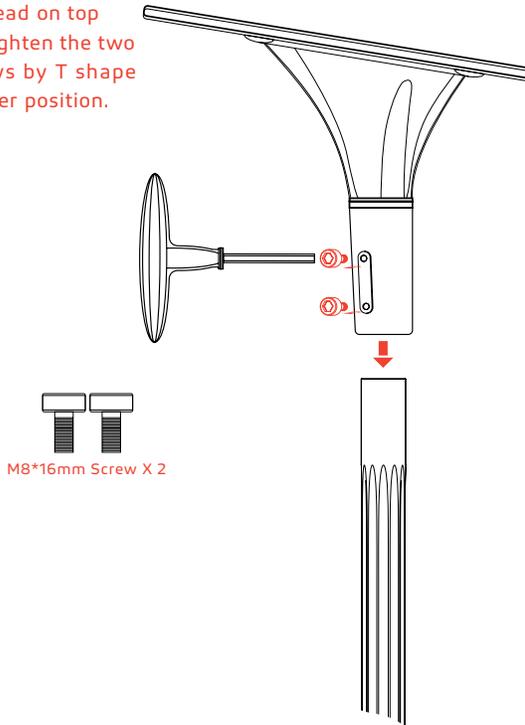


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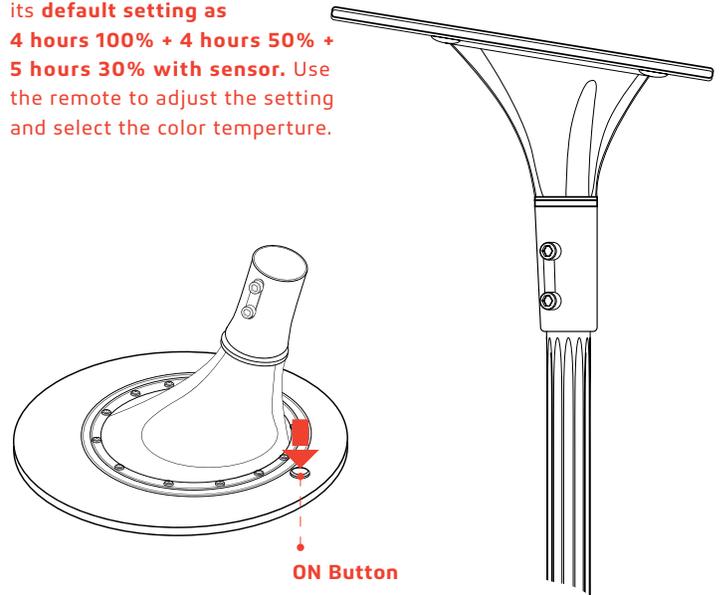
03

Place the light head on top of the pole and tighten the two M8*16mm screws by T shape wrench into proper position.



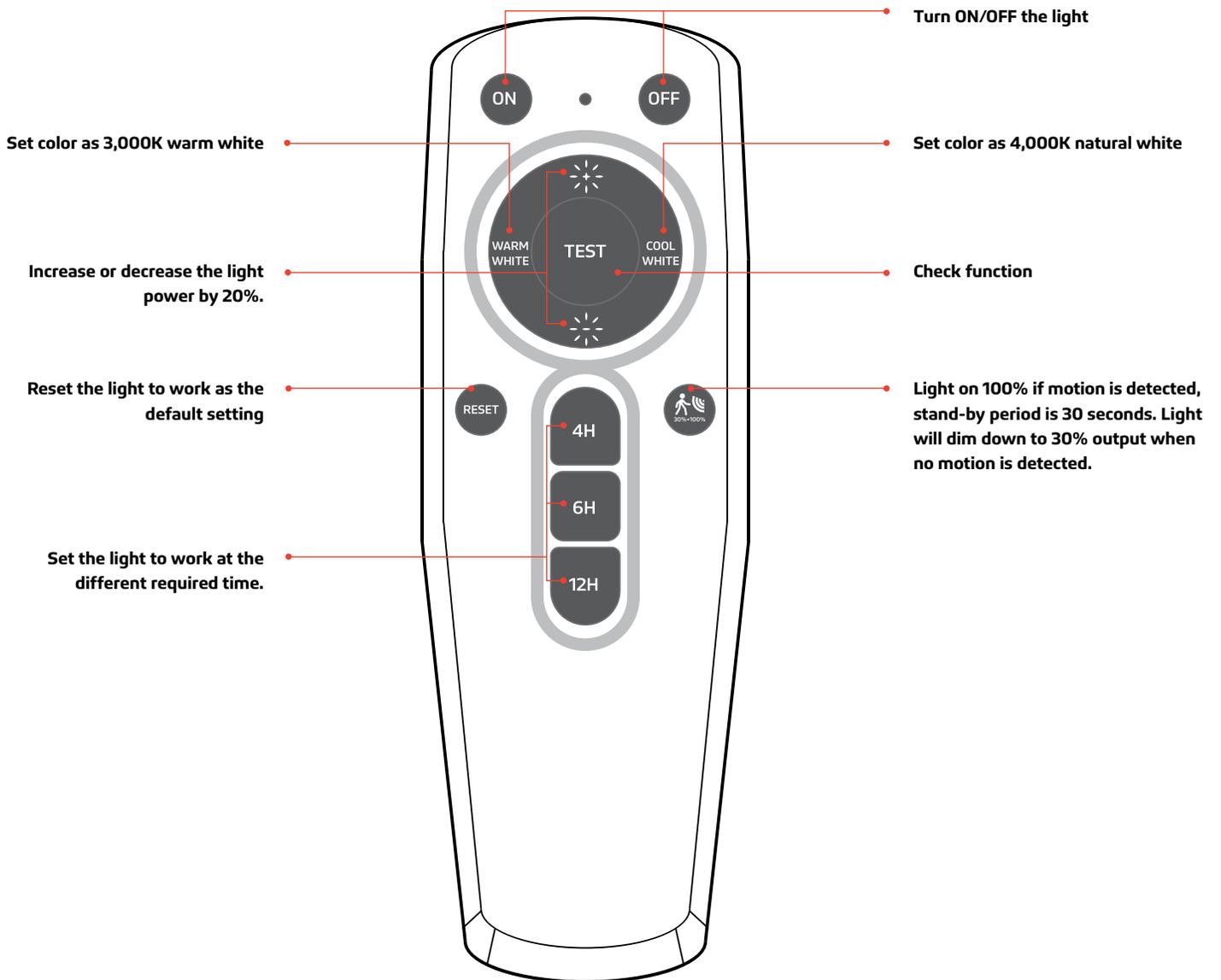
04

Press the **ON Button** on the light head, the fixture will work automatically dusk to dawn with its **default setting as 4 hours 100% + 4 hours 50% + 5 hours 30% with sensor**. Use the remote to adjust the setting and select the color temperature.



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Remote Control Guide





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Notice

1. The ON / OFF button of the light should be at ON position before using the remote control.
2. The light will flash one time when it receives the signal from the remote control successfully.



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MORAGA is covered by a 3 year limited warranty. SOLTECH urban light warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 3 years from date of purchase. To obtain warranty service please contact your local distributor or sales rep for further instruction.

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SOLTECH LLC reserves the right to update all product data sheets at any time. Consult SOLTECH marketing specialists for publication updates at hello@soltechlighting.com

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