



MORAGA

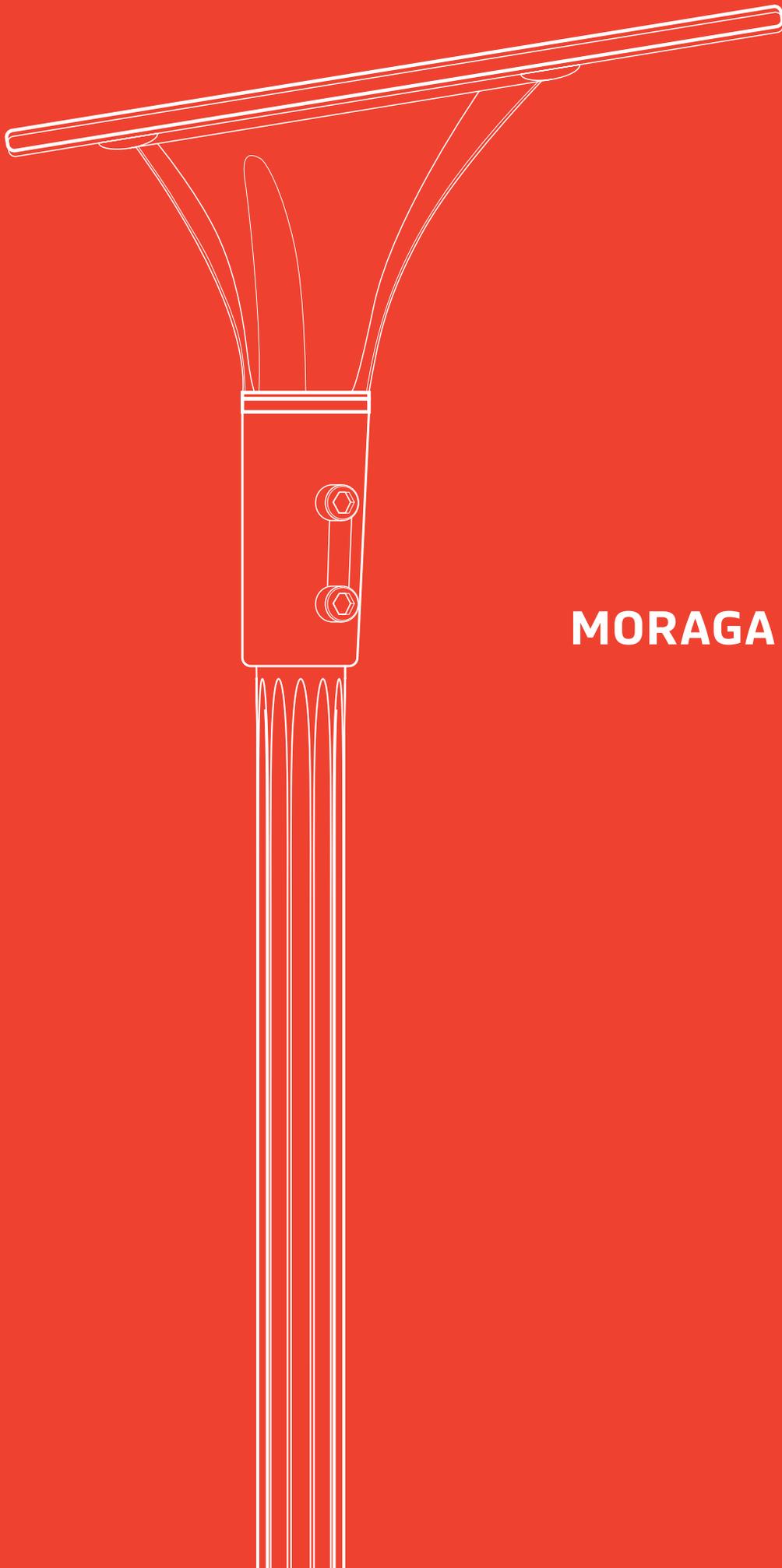
18W

Installation Manual

SOLTECH Designs and Manufactures
Advanced, Solar-Powered
LED Technology.



SOLTECH
Smart Solar Lighting



MORAGA 18W

Contents

01 Introduction	04
02 Battery Notes	06
03 Installation and Wiring Compliance	07
04 Installation	08
05 Remote Control Guide	09

01 Introduction

Thank you for purchasing MORAGA Urban Lighting Products.

Introduction

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.

Important

In order to avoid deep discharge of the battery during storage, please fully recharge your battery every 4 months. Please make sure that the light is installed in an area with sufficient sunlight irradiance. A strict minimum of 3.5 hours/day of sunshine on average is recommended. Select the right operating mode according to the local legislation

needs and the local sunshine conditions. Keep it away from shadows. Self-cleaning available when the light fixture have minimum angle of 15 degrees.

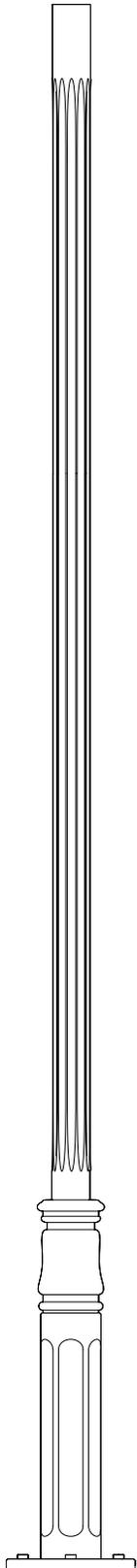
Please save these instructions. Read all of the instructions carefully before attempting to carry out any installation or wiring. Do not open or attempt to repair the product on your own, as it may cause serious damage and would void the product warranty. Contact your local distributor for any questions concerning the installation.

Precautions when working with solar panels

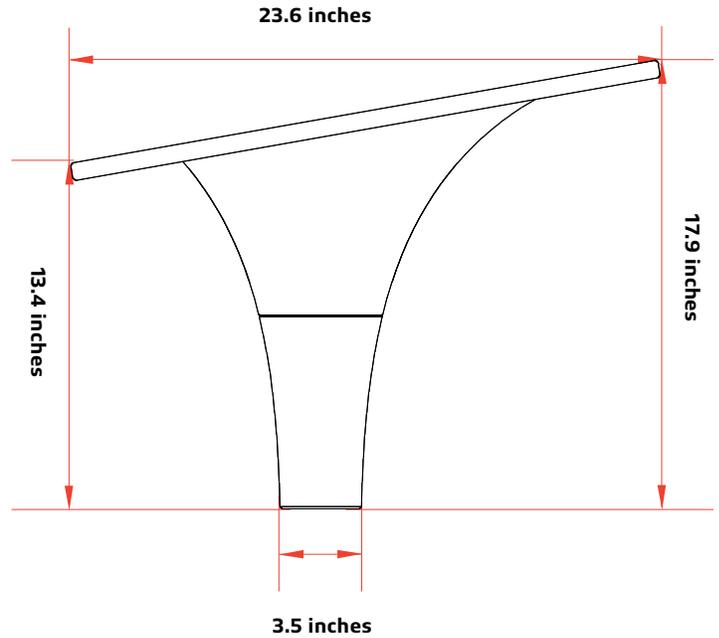
When the solar panel is exposed to sunlight, a voltage appears at the output terminals of the solar panel turning it into a source of electricity. To avoid a shock hazard, make sure the solar panel is covered with an opaque (dark) later such as paper or cloth during the installation. Do not make contact with the terminals when the panel is exposed to sunlight or any other light source.

MORAGA 18W

Round Smooth Decorative Aluminum Pole—10Ft



Light Head



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		38

02 Battery Notes

1. The LiFePO_4 -battery-powered MORAGA lights are visibly brighter than other outdoor solar lights, and their performance overall is more reliable.
2. To charge the battery fully may take up 7.5 hours.
3. The rechargeable battery can work continuously for 12–14 hours at full power.
5. Battery will stop charging when the ambient temperature is below $-10^\circ\text{C}/14^\circ\text{F}$ or above 158°F .

Storage

To avoid over discharge of the battery during storage, please recharge the lighting fixture every 3 months. Use the dedicated charger to charge, reset the switch when done.

03 Installation and Wiring Compliance

1. Installation and wiring must comply with the State and National Electrical Codes.
2. The MORAGA 18W model is intended for outdoor use only and should not be installed in an unventilated area, and shall be installed in an environment within the operational temperatures defined for the product.
3. The average sunshine in the installation area should be above 3.5 hours/day in order to ensure full function of the lighting fixture. Avoid areas with shades.
4. Before installation, if applicable, please ensure the light pole and its foundation are solid enough to withstand the lighting fixture(s).
5. Before installation, please ensure that the battery is fully charged. Install during sunny days if possible.

After Installation

The lighting fixture will automatically turn on at night and turn off during daylight.

Important

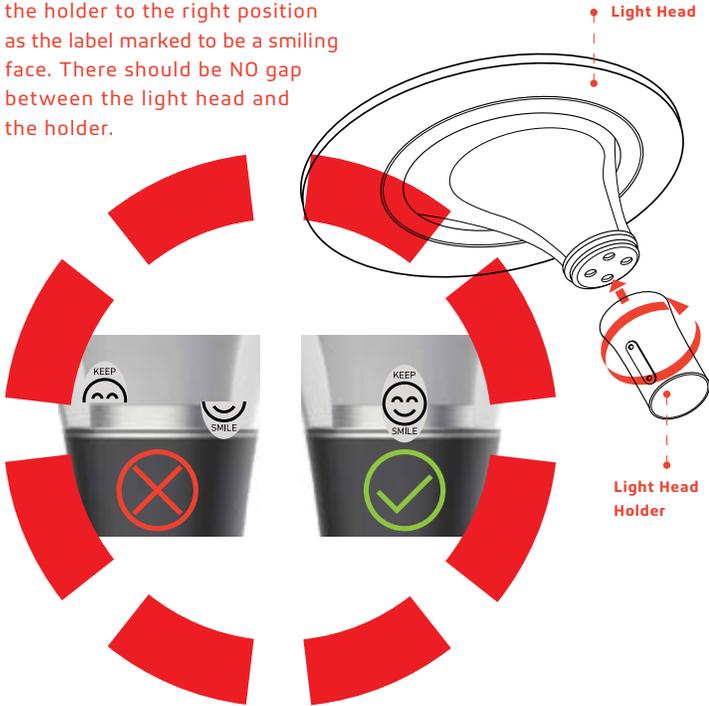
Always orient the solar panel facing the equator (e.g. facing south if in northern hemisphere).

04 Installation

Pole Mount

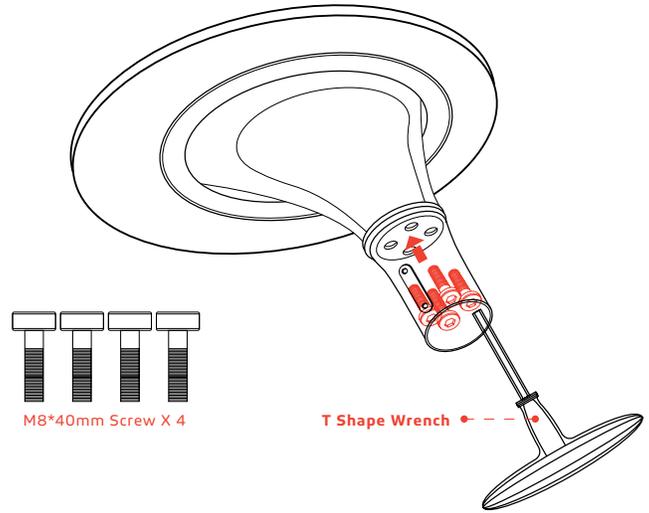
01

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.



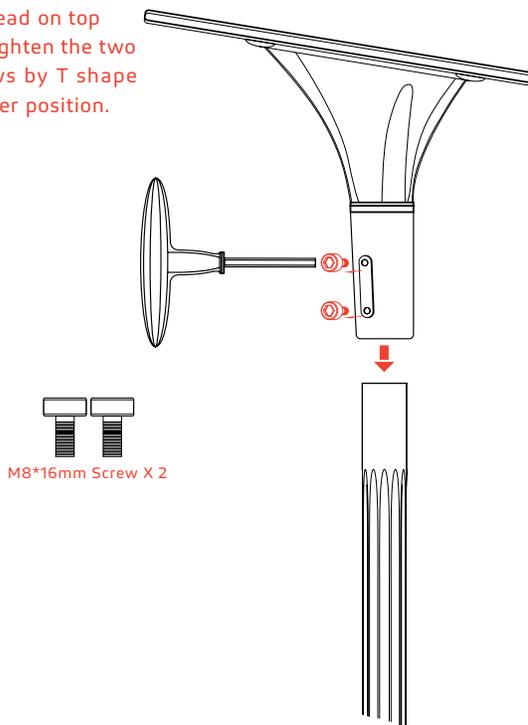
02

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.



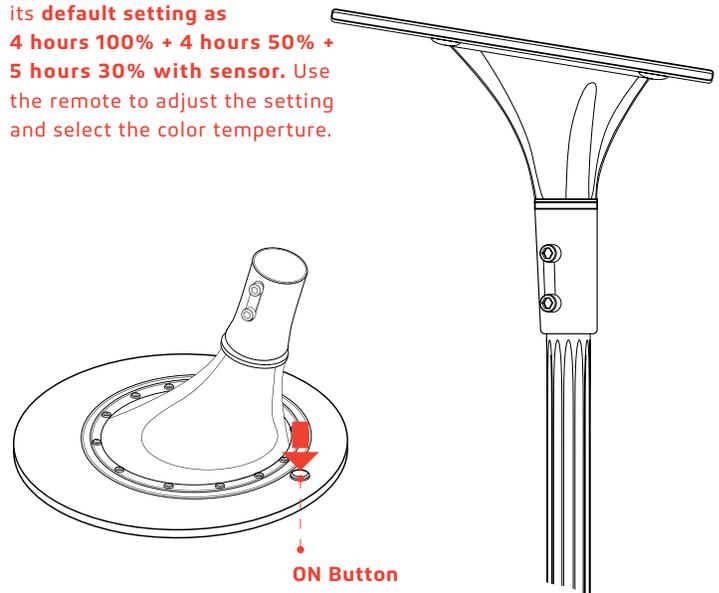
03

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

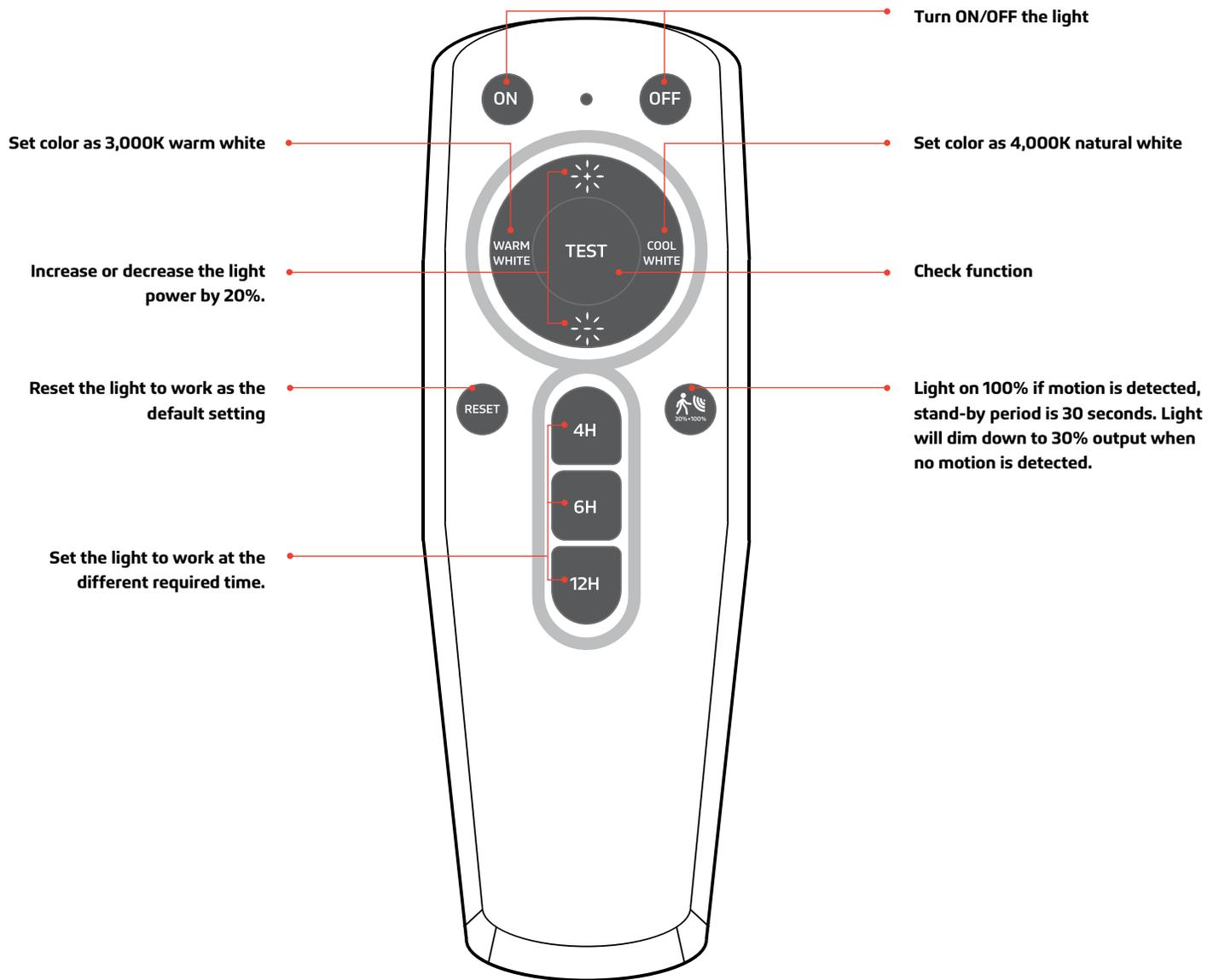


04

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.



05 Remote Control Guide



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.

MORAGA products are 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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**SOLTECH Designs
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