Manuals+ — User Manuals Simplified.

SOLTECH

16W Solar Bus Stop Light

SOLTECH 16W Solar Bus Stop Light Owner's Manual

Contents

SOLTECH
Smart Solar Lighting

SOLTECH 16W Solar Bus Stop Light

Product Information

Specifications

- **Model:** RICHMOND Solar Bus Stop Light 8W/16W
- **Features:** Dusk-to-dawn illumination, easy and fast installation, attach up to two LED luminaires, adjustable LED placement
- **Size:** 26.3 inches x 19.7 inches x 3.5 inches
- **Warranty:** 5-year warranty with an option for a 10-year warranty

Product Usage Instructions

Installation

1. Choose a suitable location with ample sunlight exposure for the solar panel.
2. Securely mount the RICHMOND Solar Bus Stop Light using the appropriate hardware.
3. Connect the LED luminaires as per the provided instructions.

Operation

- The light operates automatically from dusk to dawn thanks to the built-in photocell sensor.

Maintenance

- Regularly clean the solar panel and LED luminaires to ensure optimal performance.

FAQ

- **Q:** How long does the light illuminate when fully charged?
- **A:** The RICHMOND Solar Bus Stop Light can deliver up to 38 hours of illumination when fully charged.
- **Q:** What color temperature options are available?
- **A:** The color temperature options include 3000K, 4000K, 5000K, 5700K, and 6500K.

APPLICATIONS

- Waiting at a bus stop at dusk or in the dark can sometimes be an unnerving experience. When connection to the electric grid isn't available, a solution to this problem is our RICHMOND Solar Bus Stop Light.
- It provides a safe and eco-friendly way to ensure citizens and visitors feel secure in outdoor transit queuing areas while waiting for transportation.

DESCRIPTION

- RICHMOND Solar Bus Stop Light includes an automatic dusk to dawn photocell sensor, it's easy and inexpensive to provide light.
- Each unit comes with up to two Super Bright LED luminaires. Delivers up to 38 hours of illumination when fully charged.

FEATURES

Low Maintenance & Smart Design

- All-in-One Design: Solar panel, battery &the controller in one Luminaire
- Die-cast A380 aluminum fixture housing is rust-free
- Low EPA requirement
- Dusk-to-dawn illumination
- Up to 2 luminaires to provide security lighting exactly where you need it
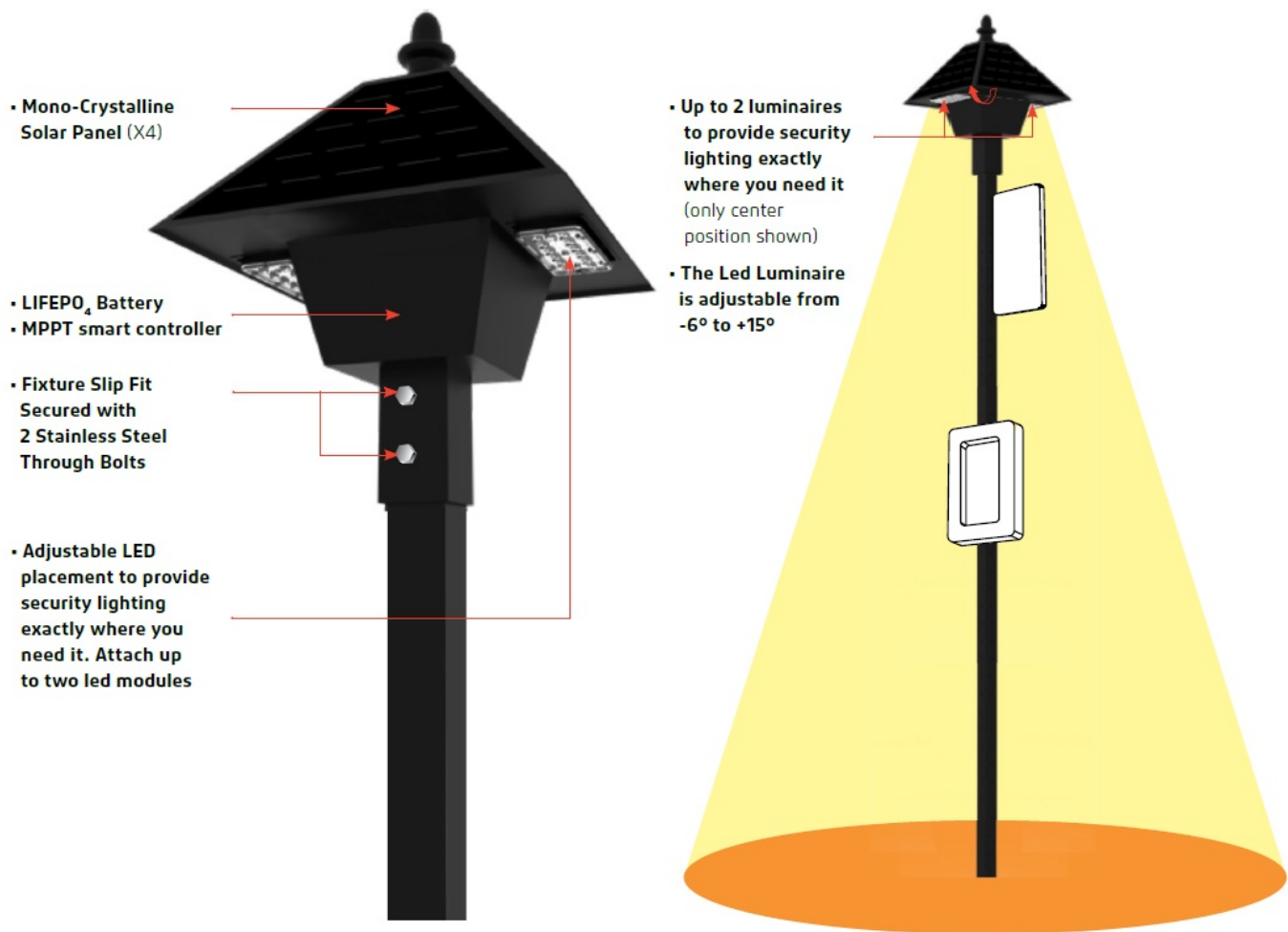
Longer Life

- Grade A LifePO4 Battery Pack, 2000+ full charging cycles
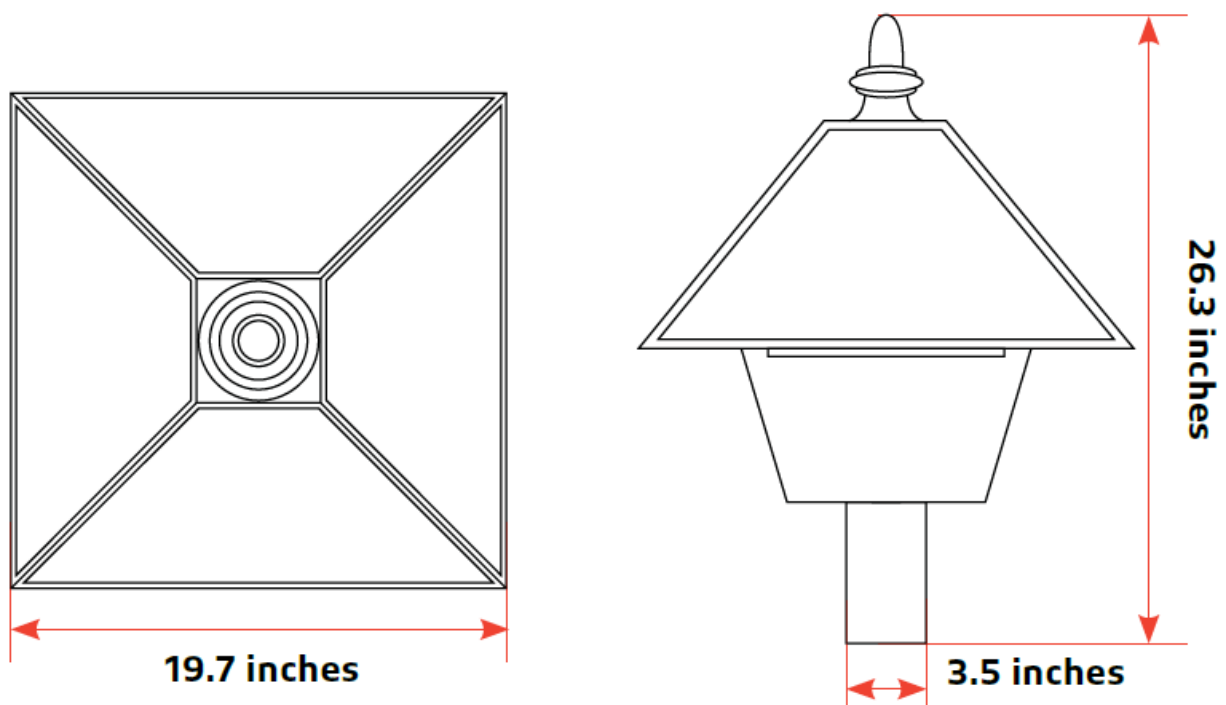- Lumileds 5050 LED chips

High Brightness, Smart Power Consumption

- 190lm/W—the highest efficiency in the industry
- Smart MPPT Controller
- Up to 38 Hours (3 nights) on full charges

- **Mono-Crystalline Solar Panel** (X4)

- **LIFEPO₄ Battery**
- **MPPT smart controller**

- **Fixture Slip Fit Secured with 2 Stainless Steel Through Bolts**

- **Adjustable LED placement to provide security lighting exactly where you need it. Attach up to two led modules**

- **Up to 2 luminaires to provide security lighting exactly where you need it** (only center position shown)

- **The Led Luminaire is adjustable from -6° to +15°**

PRODUCT SIZE

19.7 inches

26.3 inches

3.5 inches

PRODUCT SPECIFICATIONS

- **LED Nominal Power:** 8W / 16W
- **Solar Panel:** Mono-Crystalline 18V 50W

- **Battery:** 12.8V 12AH
- **CCT:** 3,000K/ 4,000K/ 5,000K/ 5,700K/ 6,500K
- **Lumen Output:** 1,520LM / 3,040LM
- **IP Rating:** IP65
- **Charging Time:** 9hrs@(1000W/m2)
- **Run Time (@Full Power):** 38hrs
- **Operating Temperature:** -30°C/-22°F to 140°F
- **Charging Temperature:** -30°C/-22°F to 140°F

The temperature can impact the battery's charging and normal operation.
The solar charge time data is based on 77 degrees F ambient temperature with the panel pointed directly at the solar radiation The standard radiation value is 1000W/m2.

MPPT CONTROLLER

- Maximum Power Point Tracking (MPPT) is a technique for tracking and regulating the output energy from the solar panel to the battery.
- Measures the solar panel output voltage and current in real-time and continuously tracks the maximum power.
- Regulates the output voltage so that the system can always charge the battery with the maximum power.
- Significantly improves the solar system energy utilization rate, with a conversion efficiency up to 97%.
- Increases the solar system's charging efficiency by at least 20% compared to Pulse Width Modulation (PWM)

ORDERING INFORMATION

SERIES	WATTAGE	COLOR TEMPERATURE	FINISH
STL-RMD =RICHMOND	**08**=8W 1,520 Lumens **16**=16W 3,040 Lumens	**3**=3000K **4**=4000K **5**=5000K **6**=5,700K **7**=6,500K	**WH**=White **GY**=Gray **BK**=Black

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Example: STL-RMD163BK

- This example product number is for RICHMOND 16-watt, 3000K CCT, with a black finish.

MORAGA is covered by a 5-year limited warranty. SOLTECH Urban Light warrants to the original purchaser that this product is free from defects in materials and workmanship for 5 years from the date of purchase. To obtain warranty service please contact your local distributor or sales rep for further instructions.
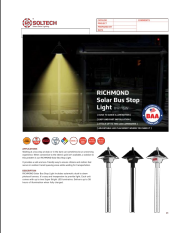
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SOLTECH LLC reserves the right to update all product data sheets at any time. Consult SOLTECH marketing specialists for publication updates at **hello@soltechlighting.com**

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Documents / Resources

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8W, 16W, 16W Solar Bus Stop Light, 16W, Solar Bus Stop Light, Bus Stop Light, Stop Light

References

- 🌐 **Commercial Solar LED Lights | SOLTECH Smart Solar Lighting**
- **User Manual**