

### STH Series – Economy Universal Solar Powered Shelter Light

**Solar Shelter Lights** stand guard with automatic dusk to dawn illumination. It's easy and inexpensive to provide light, adding an additional measure of safety to any shelter. Each unit comes with Dual Super Bright White LED Strips with Diffuser Lens and compact Solar Panel with universal Mounting Bracket. With quick connect wires and a few screws Solar Shelter Lights will fit or retrofit most shelters. Delivers up to 36 hours of illumination when fully charged.

Models Available: 1401, 1501, 1601

- Dusk to dawn illumination
- Provides up to 36 hours of light on one charge
- Retrofits to most shelters – easy to install
- Exceptional value



### MODELS

**STH-1401:** 24" L / Brightness 6 Lumens at 10'

**STH-1501:** 36" L / Brightness 22 Lumens at 10'

**STH-1601:** 36" L / Brightness 22 Lumens at 10'

### GENERAL INFORMATION

**Included:** LED Fixture: SMD Dual (2) LED Strips, Super Bright White and Diffuser Lens, Solar Panel (Single Crystal), Mounting Brackets and quick-connect wiring.

**Construction:** Waterproof. Manufactured to OSHA specifications for public spaces, CE Approved.

**Operation:** Rechargeable Lithium Battery operated and IC Controlled regulation of solar charge with integrated photocell. Light automatically turns on at dusk and off at dawn. STH-1601 is motion activated.

**Illumination:** Up to 36 Hours (3 nights) on full charge.

**Autonomy:** In poor charging conditions (low sunlight), fixture can still provide up to 36 hours of light.

**Installation:** Screw mounted to shelter

STH-1401: 4 screws

STH-1501 and STH-1601: 7 screws



### WARRANTIES

**SMD Dual LED Strips:** 10 years

**Single Crystal Module:** Lifetime

**Rechargeable Lithium Batteries:** 5 years

**IC Controller:** 3 Years

### STH Series – Universal Solar Powered Shelter Light

#### SPECIFICATIONS

	STH-1401	STH-1501	STH-1601
LED Fixture Dimensions	24"L x 10"W x 5"H	36"L x 16"W x 6"H	36"L x 16"W x 6"H
Dual LED Strips Bright White	74 Lights / 6W	108 Lights / 12W	108 Lights / 12W
Brightness	6 Lumens*	22 Lumens*	22 Lumens*
Solar Panel Dimensions	13 ½"L x 9"W x ¾"H	25 ½"L x 13 ¼"W x 1"H	25 ½"L x 13 ¼"W x 1"H
Single Crystal Module	10W 5V 2a	32W 16V 2a	32W 16V 2a
2 Rechargeable Lithium Batteries	3.8VDC 8000mAh	12VDC 2400mAh	12VDC 2400mAh
Charging Time (in full sunlight)	4-6 Hrs.	6-8 Hrs.	6-8 Hrs.
Autonomy (reserve)	up to 36 Hrs.	up to 36 Hrs.	up to 36 Hrs.
Motion Detector Actuation	N/A	N/A	Yes

\* At 10'

### Universal Solar Powered Shelter Light adds security and retrofits any bus stop, smoking or bike shelter



#### STH-1401

- Integrated Charge Controller And Photocell
- High Intensity, No Maintenance LED Lights
- Compact Solar Panel With Lifetime Warranty
- Quick Charge Lithium Batteries
- Universal Roof Mounting Bracket Included
- Dusk to Dusk Operation
- CE Approved



#### STH-1501

- Integrated Charge Controller And Photocell
- High Intensity, No Maintenance LED Lights
- Compact Solar Panel With Lifetime Warranty
- Quick Charge Lithium Batteries
- Universal Roof Mounting Bracket Included
- Dusk to Dusk Operation
- CE Approved



#### STH-1601

- Integrated Charge Controller
- High Intensity, No Maintenance LED Lights
- Compact Solar Panel With Lifetime Warranty
- Quick Charge Lithium Batteries
- Universal Roof Mounting Bracket Included
- Dusk to Dusk Operation
- CE Approved
- Motion Detector On/Off Control
- Motion Detector Actuation Preserves Battery Charge
- Interior Mounted Photocell Is Impervious To Existing Overhead Ambient Light

### Urban Deluxe

**The RMS-F Series** battery and controller enclosure is installed on the underside of your shelter roof. This configuration extends battery life by keeping the battery enclosure cool and allows for fast battery replacements. Panels are mounted to the shelter roof; appropriate mounting brackets for any roof type come standard.

- Dusk to dawn illumination
- Retrofits to most shelters – easy to install
- Industry Leading Warranty
- Smart Controller with Remote Monitoring Options



© Copyright 2022 Handi-Hut Inc. All Rights Reserved

### GENERAL INFORMATION

**Included:** Powder coated enclosure, integrated 8w LED strip, ECM controller, min 36ah battery bank, and solar array.

**Construction:** UL Certified System-Level listing, with tamper resistant hardware designed for barrel, flat and peak roof shelters.

**Operation:** Urban Solar ECM™ with real time clock and low voltage disconnect. Fully customizable with dimming and calendar scheduling functionality.

**Illumination:** 8 watt LED with customizable dimming and 5-10 days battery autonomy.

**Batteries/Replacement:** Sealed Lead Acid AGM.

### WARRANTIES

**Solar Panels** - 25 year limited warranty.

**System Enclosure, Metalwork, and Powder Coating** - 10 year limited warranty.

**Batteries** - 5 years limited pro-rated warranty.

**LEDs and ECM Controller** - 10 years limited warranty.

### SPECIFICATIONS

Single LED Strip Bright White	6 Lights/8 watts
Brightness	960 Lumens/ 160 per LED or 120 per watt
Solar panel	84w (2x42watt) 27.17"L 13.18"W 0.98" H each
Monocrystalline	2x 42W 20.56V 2.15A
2 AGM batteries	12.8VDC 36000-72000 mAh
Charging time in full sunlight	2 hours
Illumination on full charge	5-10 Days
Autonomy	75-120 Hrs