



# SOLARRWL

SOLAR POWERED LIGHTING SYSTEM

The SolarRWL high-powered LED solar lighting system comes complete with solar power assembly, fixture, bracket, and all mounting hardware to attach to a pole.

## Solar Power

The SolarRWL solar power assembly ranges from 30 Watts to 550 Watts with the size of the battery assembly allowing for a minimum of five days of autonomy. Solar panel assemblies are selected to charge the battery assembly to run the light fixture the needed run time operation of the project. The panel assembly is selected by the solar lighting specialist working on the project taking into consideration installation location, operation of the fixture, and available sun hours.

- SEPA30** - 30 Watt
- SEPA50** - 50 Watt
- SEPA75** - 75 Watt
- SEPA100** - 100 Watt
- SEPA150** - 150 Watt
- SEPA200** - 200 Watt
- SEPA275** - 275 Watt
- SEPA400** - 400 Watt
- SEPA550** - 550 Watt

## Battery Assembly

Battery assemblies are chosen to go along with the solar panel assembly to provide the needed power to run the light fixture all night, year-round. The size battery also chosen provides a minimum of 5 days of backup power for times of inclement weather and to extend the life of the battery. The battery assembly is typically mounted under the solar panel assembly to provide shading to the battery. There are alternate battery enclosure options that can be located remotely for roof-mounted or transformer base installations.

- XS** - 36 Amp Hour
- S** - 82 Amp Hour
- M** - 112 Amp Hour
- DS** - 164 Amp Hour
- DM** - 224 Amp Hour
- QS** - 328 Amp Hour
- QM** - 448 Amp Hour
- HS** - 492 Amp Hour
- HM** - 672 Amp Hour

## Light Fixture

The Ratio RWL fixture is a Wall Pack fixture and comes complete with LEDs and drivers used to operate from the solar-charged batteries.

Fixture housing is die-cast aluminum.

Each LED has an individual optical lens.

Standard finish is Dark Bronze with Black, Gray, White and Platinum Silver available

Fixture ranges from 8 - 42 Watt LED / 118-137 LpW Efficiency

Distribution Patterns include Type 2, 3, 4W

- Wattage** - \_\_\_\_\_
- Distribution** - \_\_\_\_\_
- Approx Lumens** - \_\_\_\_\_
- Color / CRI** - \_\_\_\_\_
- Finish** - \_\_\_\_\_

# Control Options

The operation for the SolarRWL is provided by the system load controller, with multiple options to choose from for different types of applications such as dusk to dawn, dusk activated timer, split timing, and motion activation.

### ALC / MPPT Chart

- 1 - Dusk to Dawn (DTD)
- 2 - Dusk Activated for \_\_\_ Hours (DAT)
- 3 - Split Time On \_\_\_, Off, On \_\_\_ Dawn
- 4 - DAT\_\_\_, Dim for Remainder of Night
- 5 - DAT\_\_\_, Dim, Full Intensity \_\_\_ Dawn
- 6 - DTD Dim, Motion Full Intensity
- 7 - DAT\_\_\_, Dim, Motion Full Intensity
- 8 - Always On Operation
- 9 - Custom Configuration

- ALC1**\_\_\_ - See Chart
- ALC2**\_\_\_ - See Chart
- MPPT2**\_\_\_ - See Chart
- OBM** - On Board Motion / Occupancy
- RTC** - Real Time Clock
- SLT** - Spring Loaded Timer

# Fixture Bracket

The SolarRLW does not use fixture brackets as it is a wall-mounted fixture and the solar is remotely mounted on a separate pole or roof structure.

# Pole Options

The SolarRWL system mounts to any round pole with a minimum diameter of 4", allowing the solar to face south while not restricting the direction of fixture installation. The system can be purchased complete with a pole for mounting the solar lighting system. Poles are available in aluminum, steel, fiberglass composite, or concrete and are anchor base or direct burial. The pole options vary in accordance to project needs, wind load requirements, size of power assembly, foundations and bases. All poles provided by SEPCO meet local AASHTO wind load requirements. Consult local PE for specific needs such as footers, burial depths, etc.

**PZ1 - PZ8** - Load Category \_\_\_\_\_

### Pole Type:

- SG** - Steel
- AL** - Aluminum
- FC** - Fiberglass Composite
- CP** - Concrete

### Pole Base:

- AB** - Anchor Base
- DB** - Direct Burial
- TB** - Transformer Base
- CU** - Custom

**Pole Height:** \_\_\_\_\_

**Pole Finish:** \_\_\_\_\_

Project Name: \_\_\_\_\_

Project Location: \_\_\_\_\_

System Part Number: SEPA \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_