



SolarLEDStreetlight

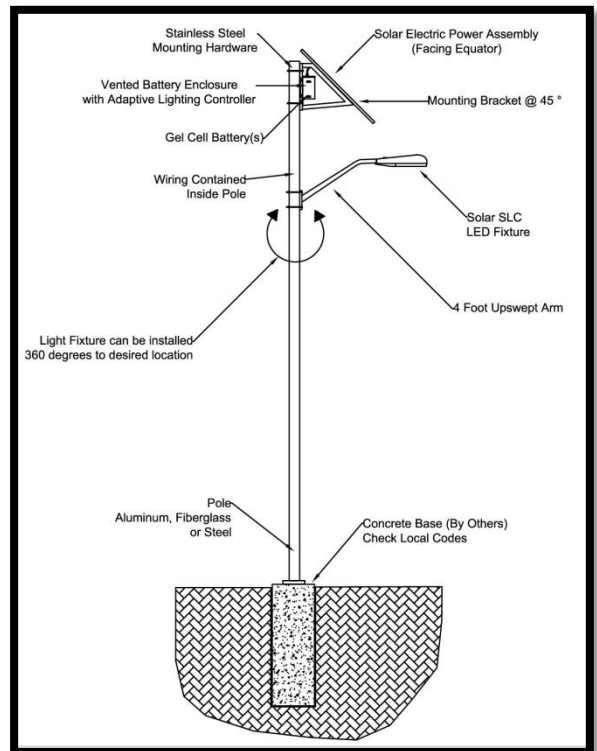
Overview

The SolarLEDStreetlight solar lighting system comes complete with solar power assembly, fixture, bracket and all mounting hardware to attach to a pole. SEPCO can also provide a pole to meet wind load specifications.

The SolarLEDStreetlight solar power assembly ranges from 30 Watts to 550 Watts with the size of the battery assembly allowing for a minimum of five days autonomy. The solar power assembly is sized according to installation location and takes into concern local conditions.

The LEDStreetlight fixture is a Cobrahead style fixture and comes complete with LEDs and driver used to operate the fixture from the solar charged batteries. The LEDStreetlight ranges from 15 to 70 Watts and comes with Type II, III, IV and V Distribution patterns. There are higher wattage, dimming and finish options available.

The SolarLEDStreetlight bracket is a long elliptical arm SP – Side of Pole Bracket ranging from 4' to 8' and mounts directly to any round or square pole.





Solar LED Streetlight

Solar Power

| | |
|---------|----------------------------------------|
| SEPA30 | Solar Electric Power Assembly 30 Watt |
| SEPA50 | Solar Electric Power Assembly 50 Watt |
| SEPA75 | Solar Electric Power Assembly 75 Watt |
| SEPA100 | Solar Electric Power Assembly 100 Watt |
| SEPA150 | Solar Electric Power Assembly 150 Watt |
| SEPA200 | Solar Electric Power Assembly 200 Watt |
| SEPA275 | Solar Electric Power Assembly 275 Watt |
| SEPA300 | Solar Electric Power Assembly 300 Watt |
| SEPA550 | Solar Electric Power Assembly 550 Watt |



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.

Battery Assembly

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



SolarLEDStreetlight

Fixture



OVERVIEW: The light fixture assembly is a Cobrahead style fixture and comes complete with lamp and ballast used to operate the fixture from the solar charged batteries. The light fixture can be mounted anywhere up or down the pole or wall below the solar, or can be mounted separately on another pole or wall, even in the shade.

APPLICATIONS: Roadways, Parking Lots, Area, Perimeters

HOUSING: Die Cast Aluminum

FINISH: Gray

OPTICAL ASSEMBLY: Each LED has an individual optical lens

LAMPING: – 70 Watt LED Type II, III, IV, V Distribution
(LEDStreetlight2 is available in a higher wattage)

DIMENSIONS: 29.75" Long x 13" Wide x 6.75" High

SHIPPING WEIGHT: 24 lbs

| Watts | Color | Optics | Finish |
|-------|-------|--------|--------|
| _____ | _____ | _____ | _____ |

Control Options

Each system comes complete with a controller to run the light for the required operation profile needed for each project.

Notes:

Controller Options

ALC / MPPT NOTES

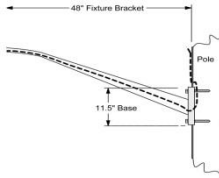
- 1 - DTD (Dusk to Dawn)
- 2 - DAT (Dusk Activated for ___ Hours)
- 3 - DIM (Dimming Operation)
- 4 - DATDIM (Dusk Activated, Dim for Remainder of Night)
- 5 - DATDIMFI (DAT, DIM, Full Intensity ___ Before Dawn)
- 6 - DTDDIMMAIDFI (DTD, DIM, Full Intensity MAID Activated)
- 7 - DATDIMMAIDFI (DAT, DIM, Full Intensity MAID Activated)
- 8 - AOC (Always On Controller)
- 9 - CUS (Custom Configuration, see description)

MAID – Motion Activated InfraRed Detector
OCS – Occupancy Sensor
RAS – Remote Actuated Switch
RTC – Real Time Clock
RRTC – Remote Real Time Clock
SLT – Spring Loaded Timer



SolarLEDStreetlight

Fixture Bracket



The SP side of pole bracket is a upsweep arm ranging in size from 4' to 8' and mounting out over the area away from the pole.

| | |
|-----|-------------------------|
| SP4 | Side of Pole Bracket 4' |
| SP6 | Side of Pole Bracket 6' |
| SP8 | Side of Pole Bracket 8' |

Pole

The pole options vary in accordance to project needs, wind load requirements, size of power assembly, foundations and bases. Each pole is specified to the project and ranges from PZ1 to PZ8 depending on the strength needs of the project.

| | | | | |
|-----|-----------------|-------------------------|---------------------|------------------------------|
| PZ1 | Load Category 1 | Pole Type | Pole Base | Pole Height |
| PZ2 | Load Category 2 | SG Steel Galvanized | AB Anchor Base | |
| PZ3 | Load Category 3 | AL Aluminum | DB Direct Burial | Heights range: 10' to 35' |
| PZ4 | Load Category 4 | FC Fiberglass Composite | TB Transformer Base | |
| PZ5 | Load Category 5 | Custom_____ | Custom_____ | |
| PZ6 | Load Category 6 | | | |
| PZ7 | Load Category 7 | | | |
| PZ8 | Load Category 8 | | | |

Final Project

Customer Name : _____

Job Name : _____

Location Zip Code : _____

SEPA _____ - _____ - **SLCLED** _____ - _____ - _____ - **PZ** _____

Notes:
