

LUNA SOLAR LED STREET LIGHTING SERIES



FEATURES

- Intelligent lighting control system
- 60W / 80W / 100W / 120W
- Adjustable bottom or side entry collar
- Customizable lighting profiles
- Intelligent lighting
- Dusk to Dawn, Auto turn on/off
- LIFEPO4 Lithium Phosphate
- All-in-one Design, easy to install and transport;
- High efficiency LED 210lm/w
- 5050 High Lumen LED Package
- Smart Motion Sensor
- 140° wide detection angle.
- High efficiency mono solar panel

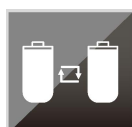
Time control option available on all models with no motion sensing



Monocrystalline
Solar Module



Efficient
Controller



Lithium-ion
batteries



Lumileds



Motion Sensor



IP65/66



Specifications: LUNA Series

Model	SOLLUNA60	SOLLUNA80	SOLLUNA100	SOLLUNA120
Power	60w	80w	100w	120w
LED Type	Lumileds 5050			
LED Lumens	12000	16000	20000	24000
LENS Options	Type 1 / type 11 / type 111 - 70*140 / 75*155 / 155*70			
Controller	MPPT			
Battery 12.8v /25.6v	48Ah-12.8	66Ah-12.8v	42Ah-25.6v	48Ah-25.6v
Solar panel	90w 18v	120w 16v	150w 38v	180w 45v
Mounting Height	6-7M	7-8M	8-9M	9-12M
Lighting Mode	1) 4Hrs 100% on motion, dimming too 50%, (2) 6Hrs 40% on motion dimming too 20%, (3) 2,5 Hrs 45% on motion dimming too 25% or time control optional			
IP	IP66			
Warranty	SMD LEDES 5 years, Lithium battery 5 years, Solar panel 10 years			
Certification	IEC 60598-2-1 - 60598-2-3			

RAL7046 Grey standard housing colour

RAL 7046

Telegrey 2

Dimensions



120 / 100w

80w

60w

Housing, Optics and weights

60w - 1488*403*81mm
80w - 1778*403*81mm
100w - 1568*568*81mm
120w - 1838*568*81mm

MODEL	QTY / BOX	DIMENSIONS	GROSS WEIGHT
SOLLUNA60	1	122 * 47,5 * 16cm	18kGS
SOLLUNA80	1	155 * 47,5 * 16cm	22kGS
SOLLUNA100	1	184 * 47,5 * 16cm	30Kgs
SOLLUNA120	1	165 * 64 * 16cm	35Kgs

Details:

Die-casting Aluminum Sheet metal Housing

IP66 Waterproof protection
Elegant Grey color
Anti-corrosion and E coated
Professional Optical lens for road lighting



12.8V / 25.6v battery

2000-3000 charge cycles
High temperature resistance

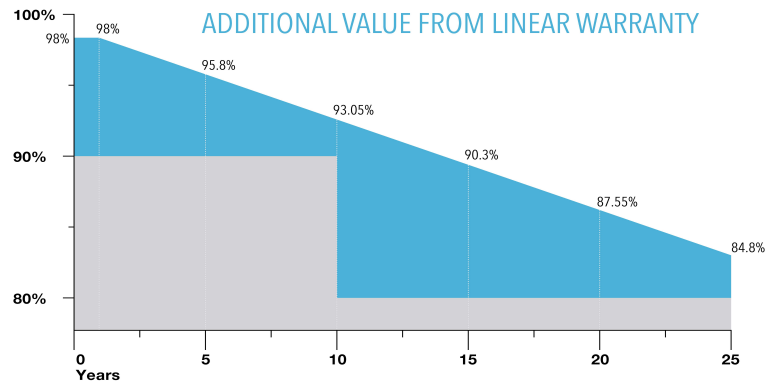
High current discharge Double
protection

Durable LIFEP04 Lithium battery
A Grade battery cells



High-efficiency Mono crystalline Silicon Solar Panel Cells

Conversion rate around 21%,
20%-30% more efficient than than
polycrystalline silicon
Faster charging solar cells



MPPT Smart Solar Controller with SMART 365 Technology with Wireless programming and 30 day data logger

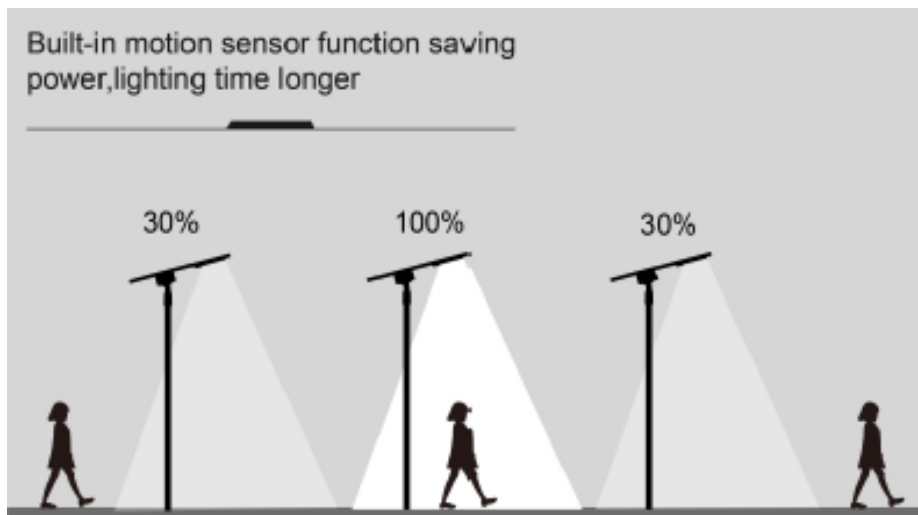


IP68 Protection;

With Infrared sensing function and
remote communication control function;

Capable of extreme weather conditions to
ensure reliability in extreme environments

Sensor Operation



Simulation of sensor operation or

Time Control Lighting Profile

2Hrs @ 100%, 3 Hrs @ 50%, 7Hrs @ 25%



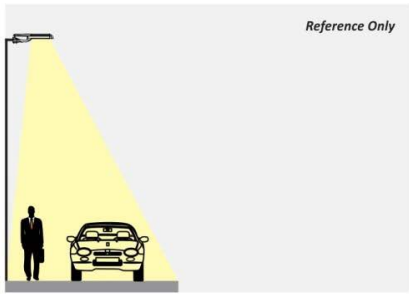
Multiple Light Distribution Optics

Wide range of Lighting applications: Parks, Estates, Walkways, Roadways and Parking areas.

IESNA standards in providing different Lens optics, Type 1, Type 11, Type 111

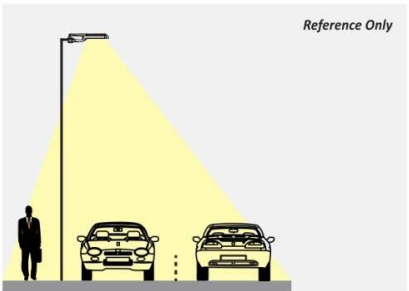
1 Lane, 2 lanes or 3 lanes and other wider lighting variations available

We will assist with a lighting simulation that best suits your requirements.



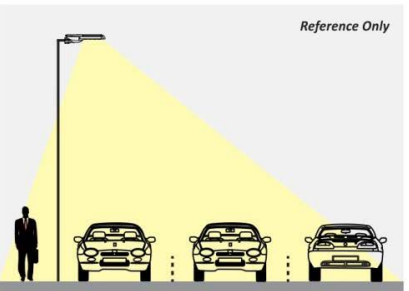
TYPE I

The Type I lens has a beam angle of 70°x140 degrees. In the IESNA Standard, The Type I distribution is great for lighting walkways, paths and sidewalks. It is generally applicable to where the mounting height is approximately equal to the roadway width.



TYPE II

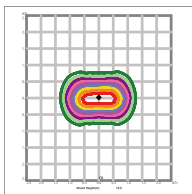
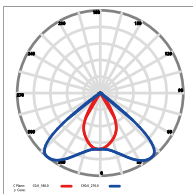
The Type II lens has a beam angle of 75°x155 degrees. In the IESNA Standard, the Type II distribution is used for wide walkways, on ramps and entrance roadways, as well as other long, narrow lighting. It is generally applicable to where the width of the roadway does not exceed 1.75 times the designed mounting height.



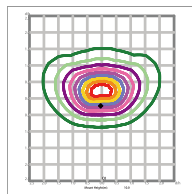
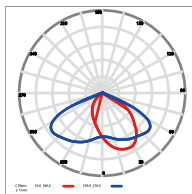
TYPE III Medium

The Type III lens has a beam angle of 155°x70 degrees. In the IESNA Standard, the Type III distribution is meant for roadway lighting, general parking areas and other areas where a larger area of lighting is required. This distribution is intended for luminaires mounted at or near the side of medium width roadways or areas, where the width of the roadway or area does not exceed 2.75 times the mounting height.

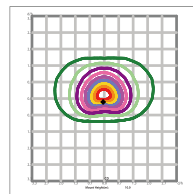
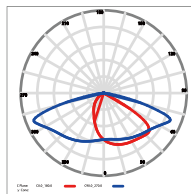
60x100° (TYPE I -VS)



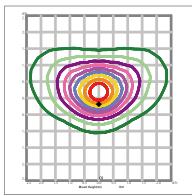
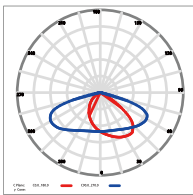
70x135° (TYPE II -S)



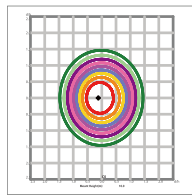
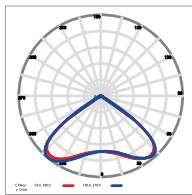
75x150° (TYPE III -M)



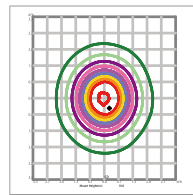
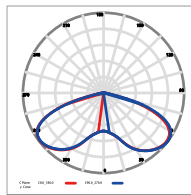
80x150° (TYPE III -S)



110° (TYPE V -VS)



150° (TYPE V -VS)



Warranty

LED Modules - 5 years

Electronics - 3 years

Solar panel - 10 years