

NEXUS SOLAR LED STREET LIGHTING SERIES



FEATURES

- Intelligent lighting control system
- 30W / 50W / 60W / 80W / 100W / 120W
- Adjustable lamp bracket
- Customizable lighting profiles
- Intelligent lighting
- Dusk to Dawn, Auto turn on/off
- LIFEP04 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 detecting angle.
- High efficiency mono solar panel



Specifications: SOLNEXUS Series

Model	SOLNEXUS50	SFSOLNEXUS60	SFSOLNEXUS80	SFSOLNEXUS100	SFSOLNEXUS120
Power	50w	60w	80w	100w	120w
LED Type	Lumileds 5050				
LED Lumens	9750	11700	15600	19500	23400
LENS Options	type 1 / type 11 / type 111 - 70*140 / 75*155 / 155*70				
Battery 12.8v /25.6v	12.8v / 36Ah	40Ah	25.6v - 30Ah	43Ah	54Ah
Solar panel	72W 18V	90W 18v	38v 110w	36v 150w	36v 180w
Mounting Height	5-6M	6-7M	7-8M	8-9M	9-10M
Lighting Mode	IP 1) 3Hrs 100% on motion, dimming too 50%, (2) 4Hrs 80% on motion dimming too 35%, (3) 5 Hrs 60% on motion dimming too 25% or time control optional				
Warranty	IP66				
Certification	SMD LEDS 5 years, Lithium battery 3 years, Solar panel 10 years IEC 60598-2-1 - 60598-2-3				

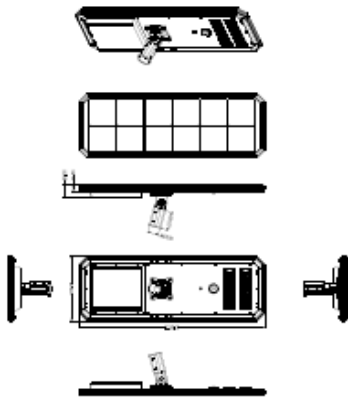
RAL 7046
Telegrey 2



RAL7046 Grey standard housing colour

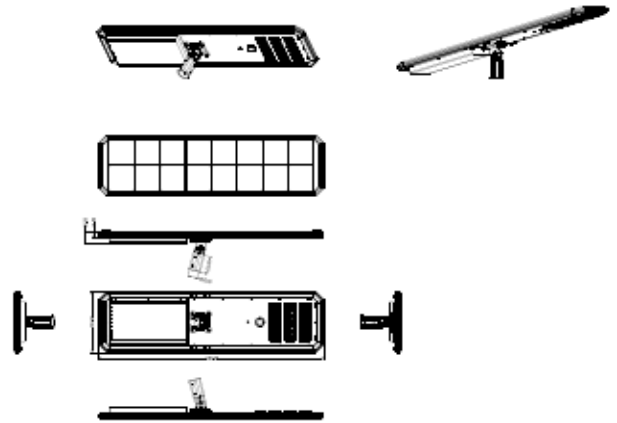
Dimensions

50W

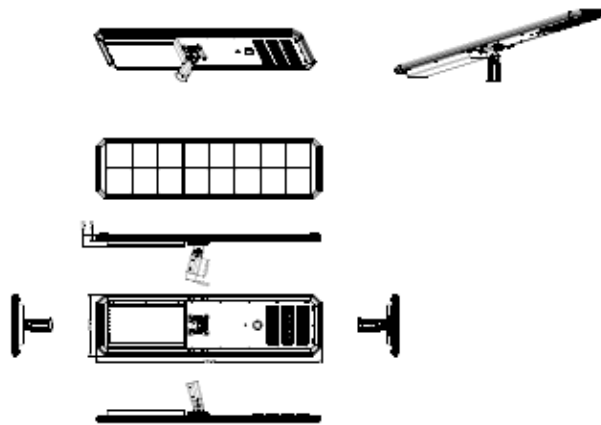


50w - 1158*403*81mm

60W



60w - 1488*403*81mm



80w - 1778*403*81mm

100w - 1568*568*81mm

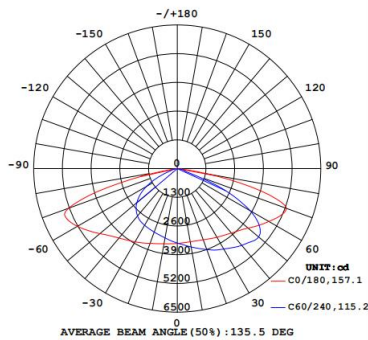
120w - 1838*568*81mm

MODEL	QTY / BOX	DIMENSIONS	GROSS WEIGHT
SOLNEXUS50	1	122 * 47,5 * 16cm	18kGS
SOLNEXUS60	1	155 * 47,5 * 16cm	22kGS
SOLNEXUS80	1	184 * 47,5 * 16cm	30Kgs
SOLNEXUS100	1	165 * 64 * 16cm	35Kgs
SOLNEXUS120	1	181 * 64 * 16cm	42Kgs

Details:

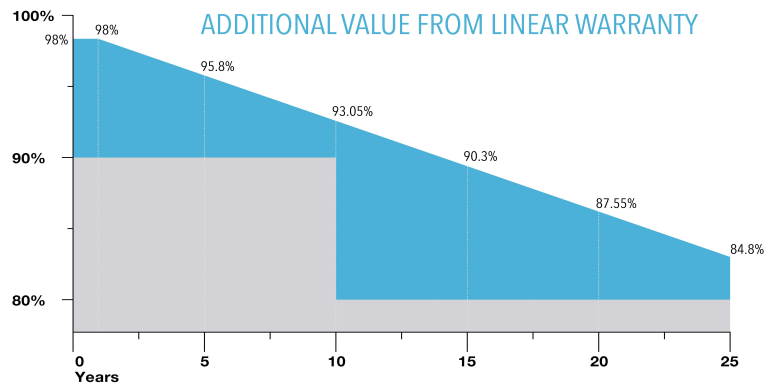
Die-casting Aluminum Sheet metal Housing

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



High-efficiency Mono crystalline Silicon Solar Panel Cells

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



12.8V / 25.6v battery

2000 charge cycles
High temperature resistance

High current discharge
Double protection

Durable Lithium battery design



MPPT Smart Solar Energy Controller



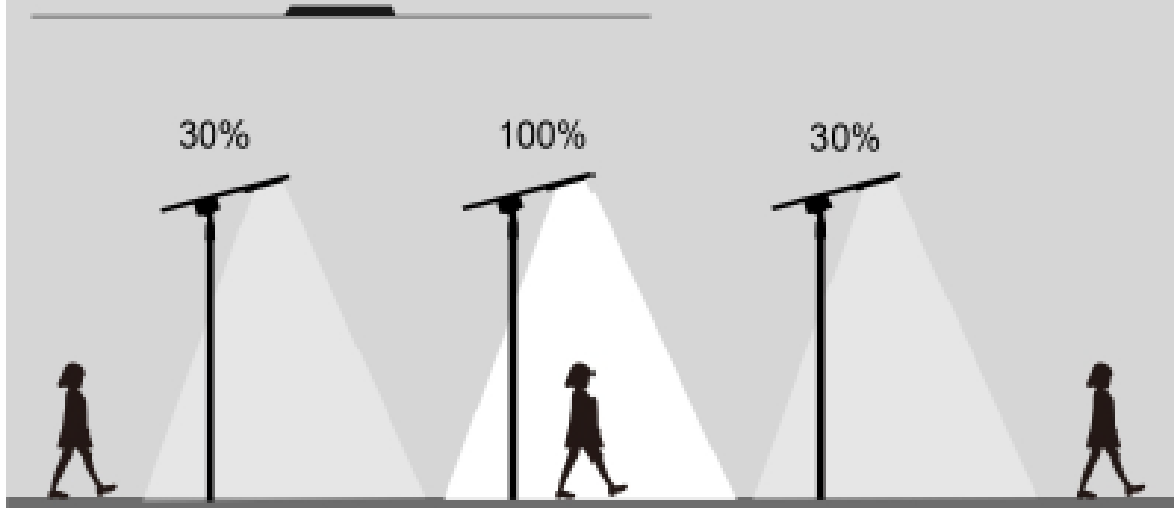
IP68 Protection;

With Infrared sensing function and
remote communication control function;

Capable of extreme weather conditions to
ensure reliability in extreme environments

Sensor Operation

Built-in motion sensor function saving power, lighting time longer

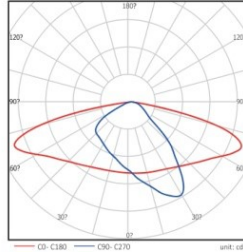
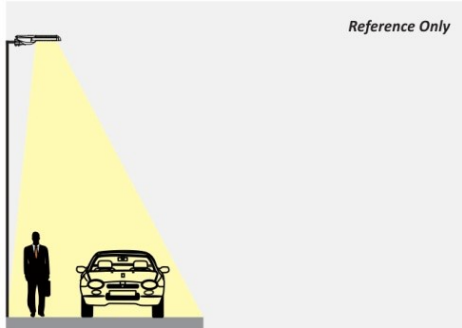


Simulation of sensor operation



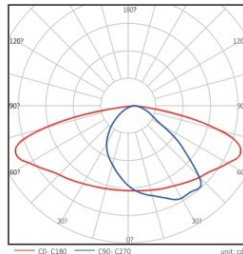
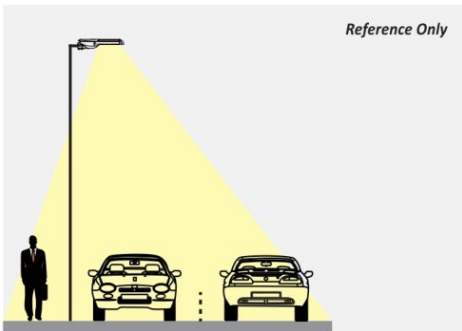
Multiple Light Distribution Optics

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.



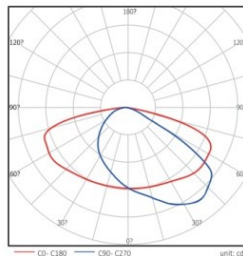
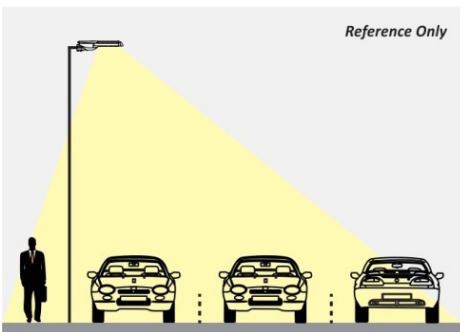
TYPE I

The Type I lens has a beam angle of 70° x 140 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° x 150 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° x 70 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.

Warranty

LED Modules - 5 years

Electronics - 3 years

Solar panel - 10 years