

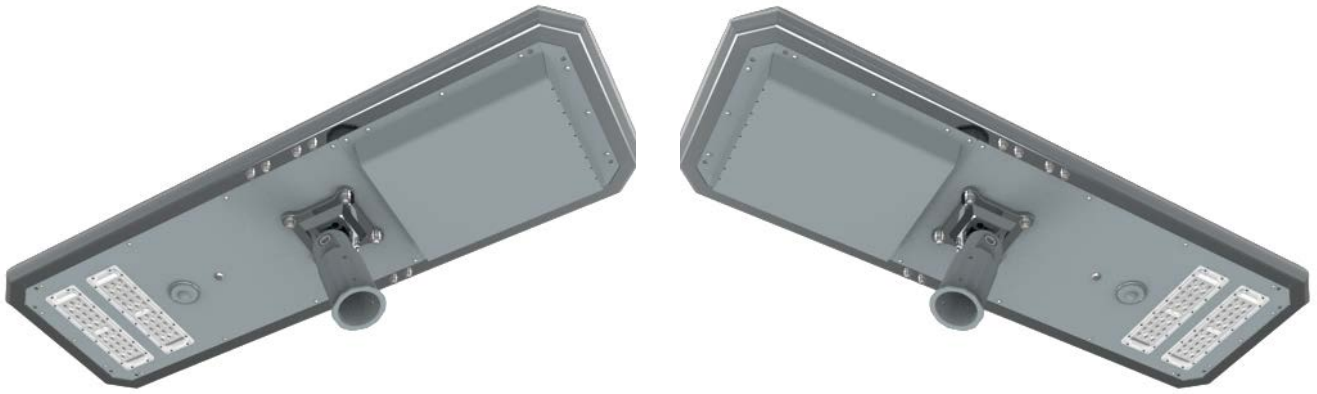
NEXUS SOLAR LED STREET LIGHTING SERIES



## FEATURES

- Intelligent lighting control system
- 30W / 50W / 60W / 80W / 100W / 120W
- Adjustable bottom or side entry collar
- 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

Time control option available on all models with no motion sensing  
Hybrid Dc / Ac option available to operate on Solar & grid connected



## Specifications: SFSOLNEXUS Series

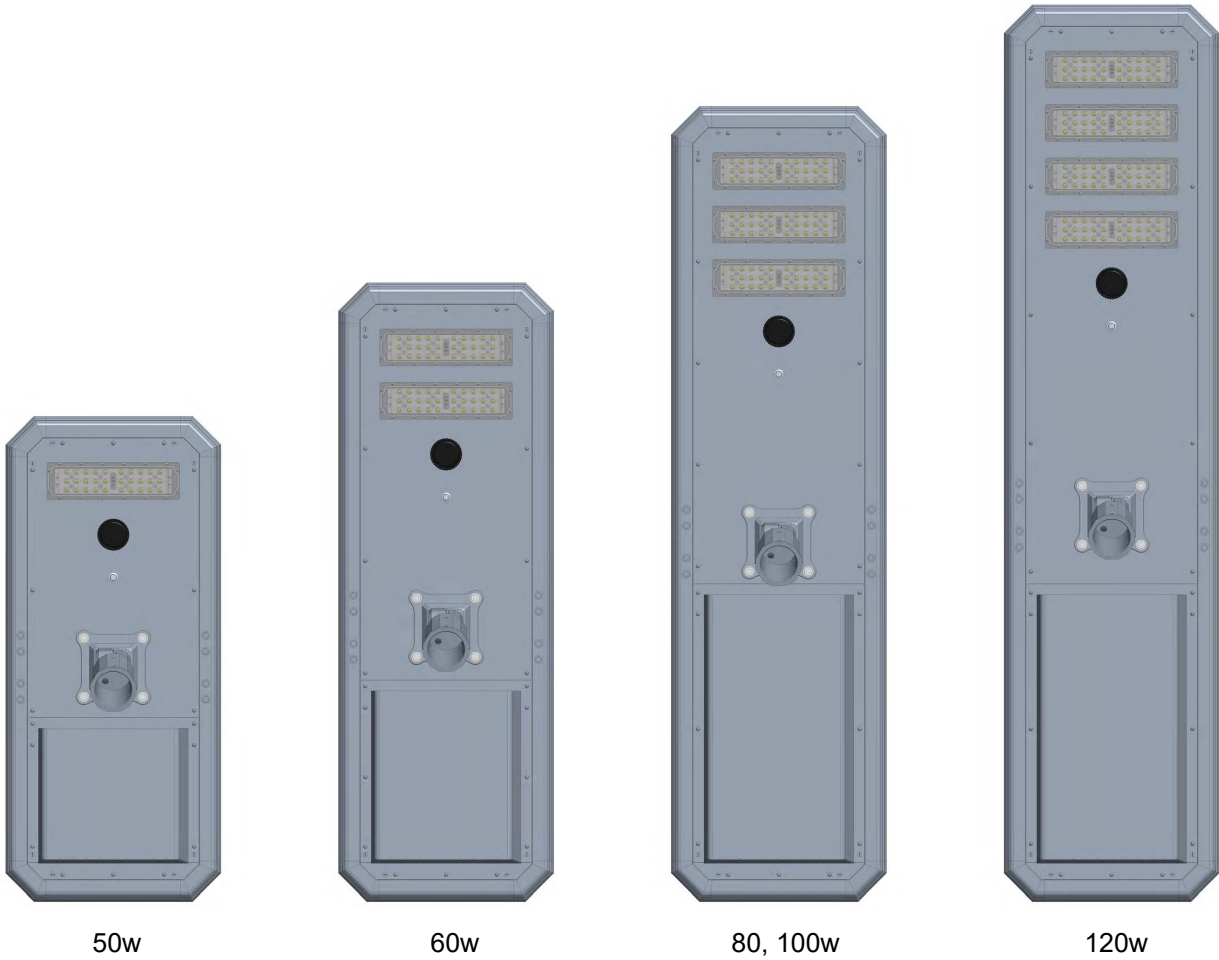
Model	SFSOLNEXUS50	SFSOLNEXUS60	SFSOLNEXUS80	SFSOLNEXUS100	SFSOLNEXUS120
Power	50w	60w	80w	100w	120w
LED Type	Lumileds 5050				
LED Lumens	9750	11700	15600	19500	23400
LENS Options	type 1 / type 11 / type 111 - 70*140 / 75*155 / 155*70				
Battery 12.8v /25.6v	36Ah-12.8v	40Ah-12.8	30Ah-25.6v	43Ah-25.6v	54Ah-25.6v
Solar panel	72w 18V	90w 18v	110w 38v	150w 36v	180w 36v
Mounting Height	5-6M	6-9M	8-9M	8-10M	9-12M
Lighting Mode	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				
IP	IP66				
Warranty	SMD LEDES 5 years, Lithium battery 5 years, Solar panel 10 years				
Certification	IEC 60598-2-1 - 60598-2-3				

RAL 7046  
Telegrey 2



RAL7046 Grey standard housing colour

## Dimensions



### Housing, Optics and weights

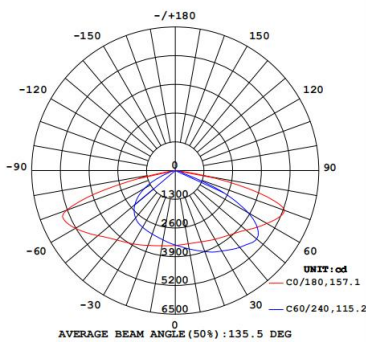
50w - 1158\*403\*81mm  
 60w - 1488\*403\*81mm  
 80w - 1778\*403\*81mm  
 100w - 1568\*568\*81mm  
 120w - 1838\*568\*81mm

MODEL	QTY / BOX	DIMENSIONS	GROSS WEIGHT
SFSOLNEXUS50	1	122 * 47,5 * 16cm	18kGS
SFSOLNEXUS60	1	155 * 47,5 * 16cm	22kGS
SFSOLNEXUS80	1	184 * 47,5 * 16cm	30Kgs
SFSOLNEXUS100	1	165 * 64 * 16cm	35Kgs
SFSOLNEXUS120	1	181 * 64 * 16cm	42Kgs

## Details:

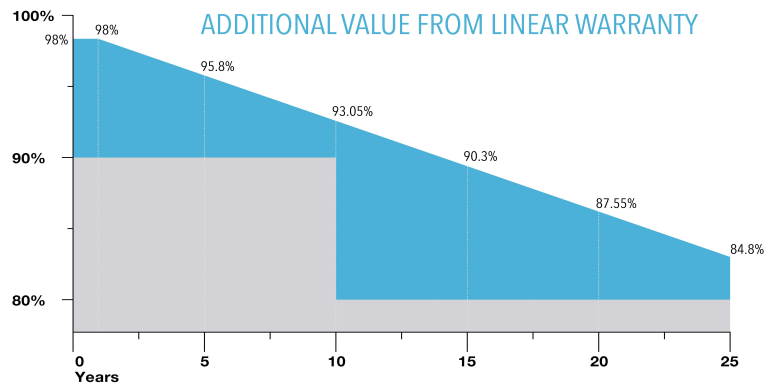
### Die-casting Aluminum Sheet metal Housing

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

2000-3000 charge cycles  
High temperature resistance

High current discharge Double  
protection

Durable LIFEP04Lithium battery design



### MPPT Smart Solar Energy Controller with SMART 365 Technology

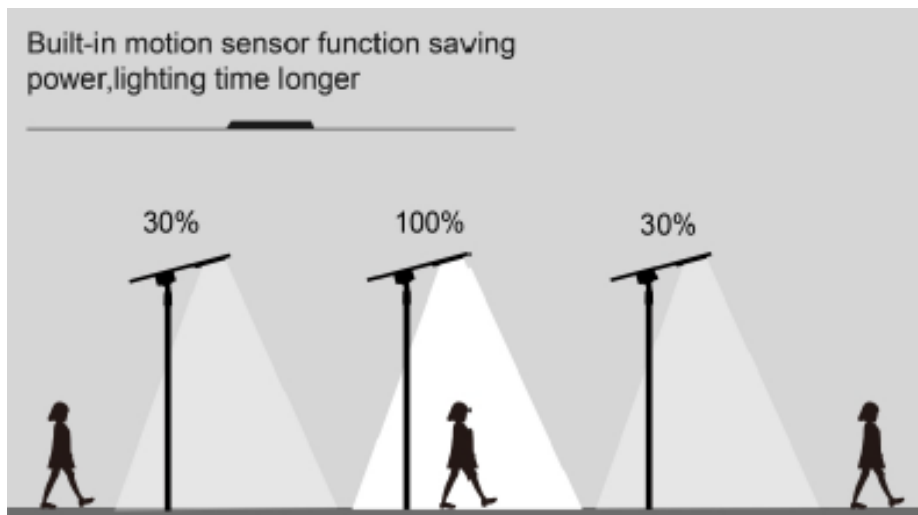


IP68 Protection;

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

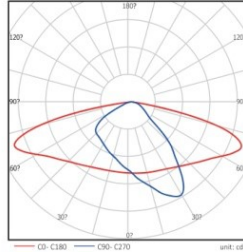
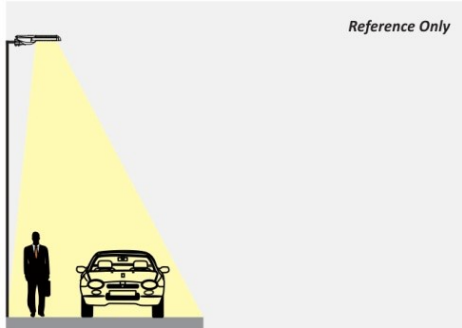
Time Control Lighting Profile

2Hrs @ 100%, 3 Hrs @ 60%, 7Hrs @ 30%



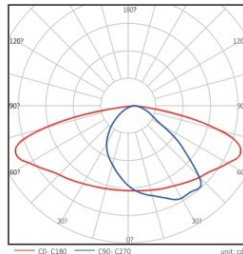
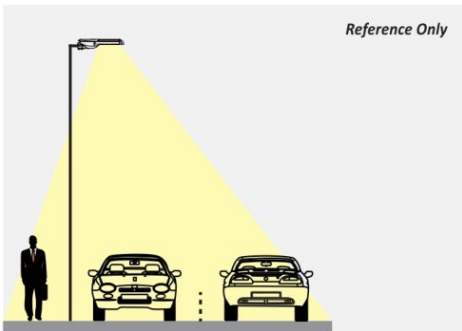
# Multiple Light Distribution Optics

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.



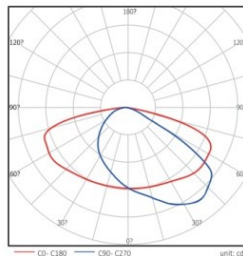
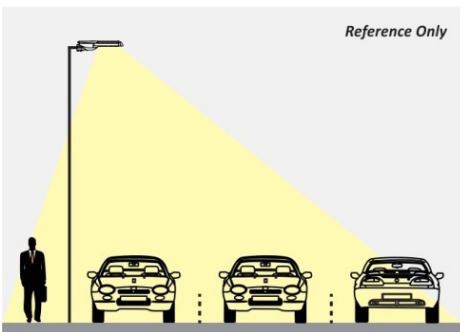
## TYPE I

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 155 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 - 5 years  
Solar panel - 10 years