



NEXUS 150 SOLAR STREET LIGHTING SERIES



FEATURES

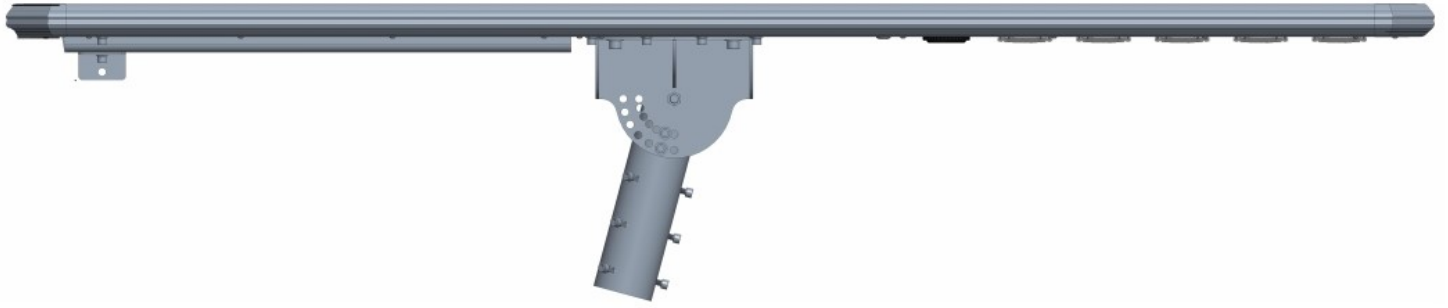
- Intelligent lighting control system
- 150W
- Adjustable Collar
- Customizable lighting profiles
- Intelligent lighting
- Dusk to Dawn, Auto turn on/off
- LIFEP04 Lithium Phosphate
- All-in-one Design, easy to install and transport;
- High efficiency LED 210lm/w
- 5050 High Lumen LED Package
- Smart Motion Sensor
- 140°wide detecting angle.
- High efficiency mono solar panel

Smart 365 MPPTsolar controller with Wifi remote programming

15m programming parameter sensing distance

Time control option available on all models with no motion sensing

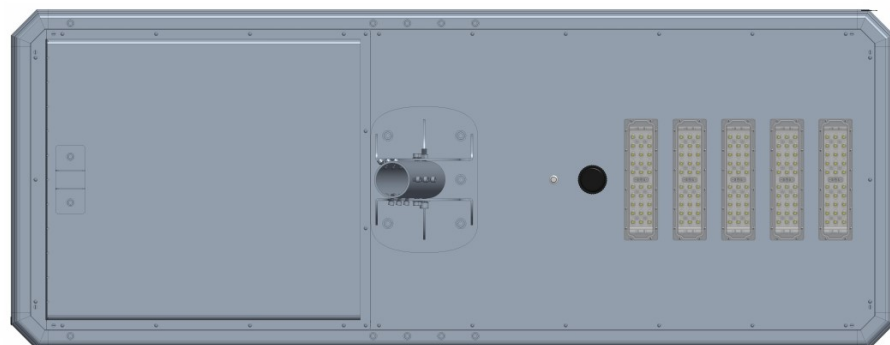
Hybrid DC / Ac option available for Solar & grid connected



Specifications: NEXUS Series

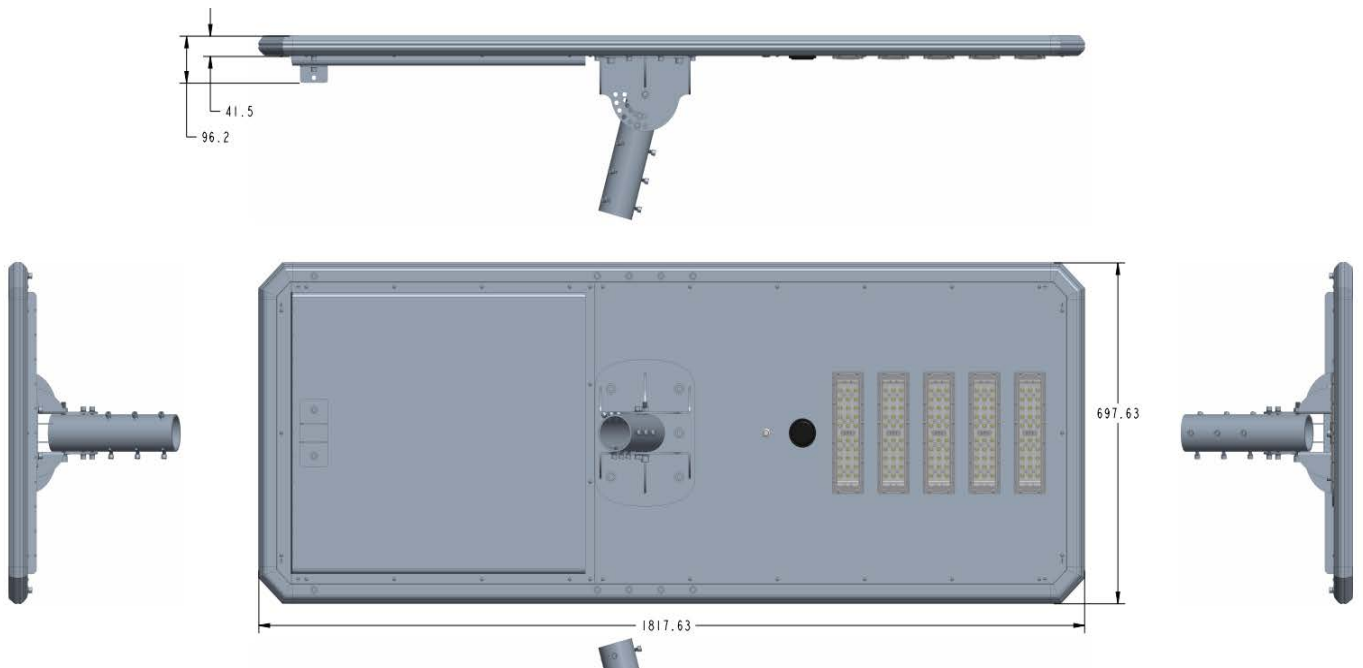
Model	NEXUS150
Power	150
LED Type	LUMILEDS 5050
LED Lumens	29250
LENS Options	type 1 / type 11 / type 111 - 70*140 / 75*155 / 155*70
Battery LIFEPO4	60Ah-25.6v
Solar panel	240w 36v
Mounting Height	10-12M
Lighting Mode	1) 4Hrs 100% on motion, dimming too 50%, (2) 6Hrs 40% on motion dimming too 20%, (3) 2 Hrs 50% on motion dimming too 25% or time control optional
IP	IP66
Warranty	SMD LEDS 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



150w

Housing Dimensions

1817*697*41,5mm

Packaging Dimensions

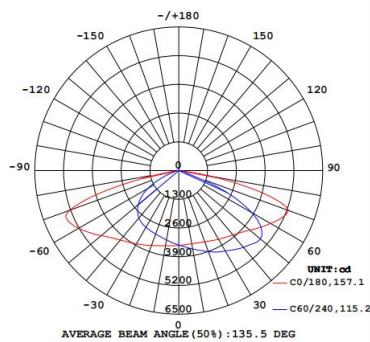
MODEL	QTY / BOX	DIMENSIONS	GROSS WEIGHT
NEXUSU150	1	1820 * 710 * 25cm	49Kgs



Details:

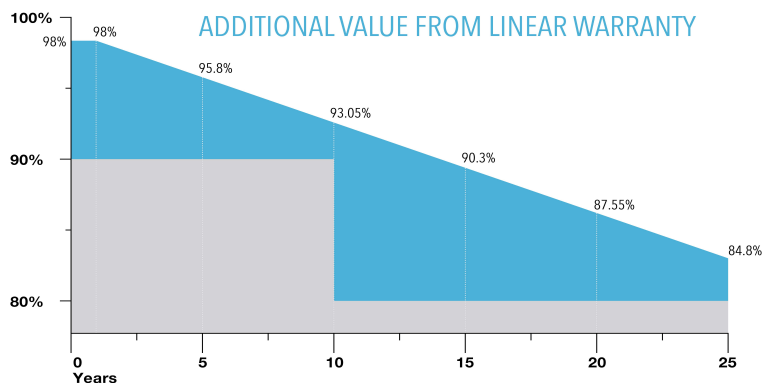
Die-casting Aluminum Sheet metal Housing

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

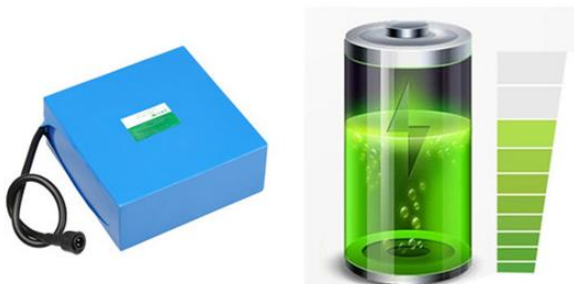


25.6v battery

2000-3000 charge cycles
High temperature resistance

High current discharge Double
protection

Durable LIFEPO4Lithium battery design



MPPT Smart Solar Energy Controller with SMART 365 Technology

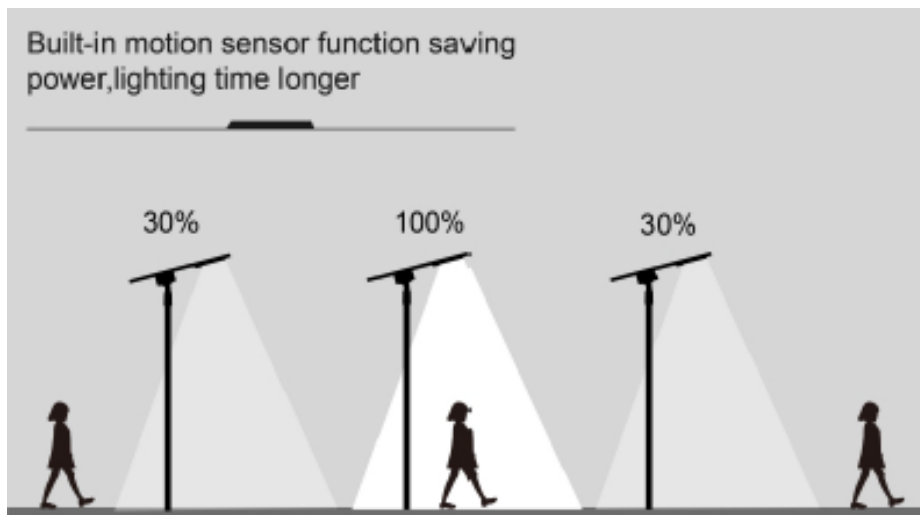


IP68 Protection;

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

Time Control Lighting Profile

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



Additional Support rear mounting bracket

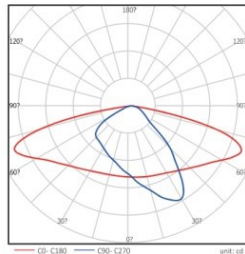
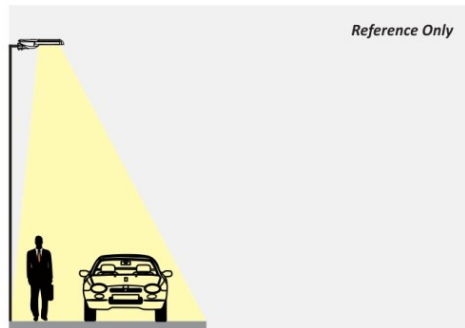
Multiple Light Distribution Optics

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

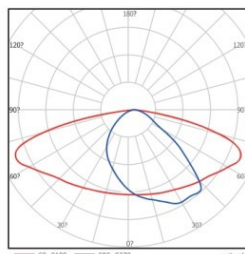
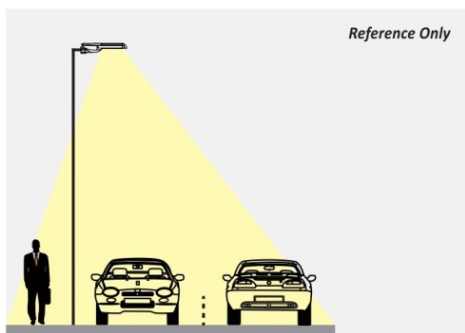
We will assist with a lighting simulation that best suits your requirements.



TYPE I

The Type I lens has a beam angle of 70*140 degrees.

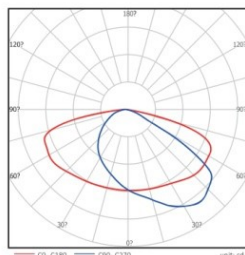
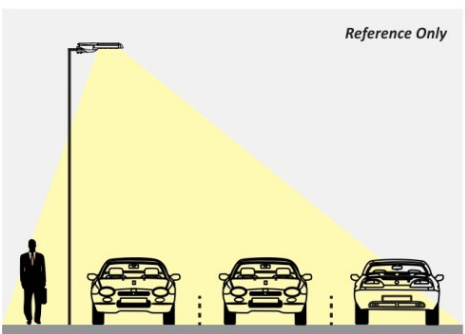
In the IESNA Standard, The Type distribution is great for lighting walkways, paths and sidewalks. It is generally applicable to where the mounting height is approximately equal to the roadway width.



TYPE II

The Type II lens has a beam angle of 75*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*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