

Solar Led Street Lights

VS-LED (100/120W)

Solar light equipped with a 20W to 160W LED fixture, manufactured by Visel Paneles SA provides efficient lighting for Streets, pathways, parking lots, sidewalks or expressways. These Lights will blend nicely in residential streets, highways and commercial parking lots. Easy to install and not connected to the grid electricity, these Solar Street lights will save you money on installation and maintenance. The perfect solution for replacing aging grid-tied street lights.

Designs for fixtures and poles



Vintage



Avant-garde










Integrated



Functional

Advantages

-  We tilt the solar panel to maximize exposure and capture more energy.
-  We take into consideration seasonal differences. Our lights are designed to work during the stormy winters as well as balmy summers.
-  We use waterproof controller, connector and battery box to ensure our lights operate even in the most humid conditions.
-  Our lights are designed to operate at 0F to 140F.
-  Our lights work through rain, snow, fog and cloudy weather.
-  Our lights are dust resistant. This would minimize your maintenance costs in dusty areas.
-  We design the foundations and poles to withstand hurricanes and tropical storms.

Features

- Electrostatic powder-coated surface for corrosion-resistance and long life.
- Glass lens for superior performance.
- Suitable for 1-2 lane roads and pathways.
- Easy tool-less access into the luminaire.
- Reduced maintenance.
- Anodized aluminum reflector.
- Optimized roadway distribution.
- Unique design for better removal of dirt and self-cleaning
- Advanced thermal management to maximize performance.
- 1W optical module Cree LED with individual lenses.
- Die-cast aluminum housing.

Technical Specifications

VS-LED (100/120W)

Solar Panel

Rating Power	200 W
Maximum Power Voltage	17.56 V
Maximum Power Current	5.72 A
Open Circuit Voltage	21.7 V
Short Circuit Current	6.23 A
Size (cm)	1466 X 676
Weight	29.5 lb

Solar Charger

Operating Voltage	12 V / 24 V auto recognition
Max. Charge / load current	5 A / 10 A / 20 A (different models)
Night / Day detection	2.5 V - 10 V
IP class	IP68

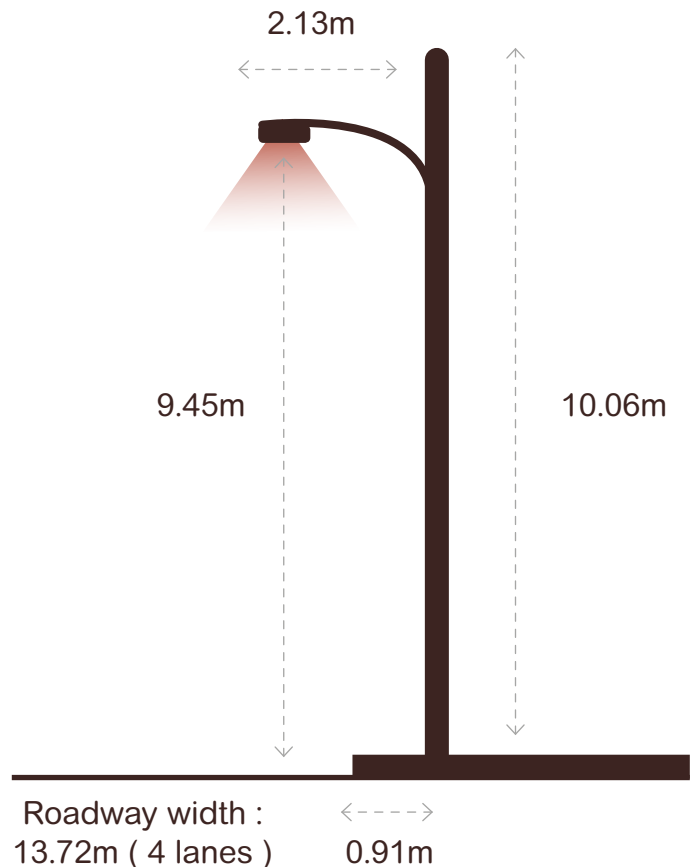
Battery

Battery Type	GEL Deep cycle lead-acid
Operating Voltage	12 V
Capacity	200 Ah at 20hr-rate to 1.75 V per cell at 77°F
Dimensions	20.5 (L) X 9.44 (W) X 8.7 (H) (in)
Expected life	5 - 7 años

Pole

Height	Diameter bottom/top	Thickness	Material	Finishing
10.06 (m)	19.68 / 12.70 (cm)	16.5 cm	Galvanized steel	Powder coating

Physical Diagram

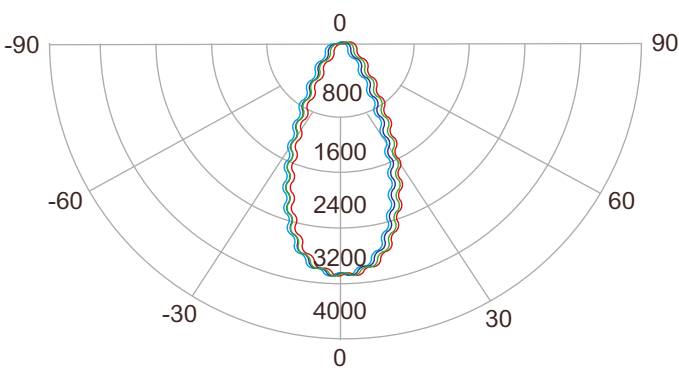


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Luminous intensity diagram

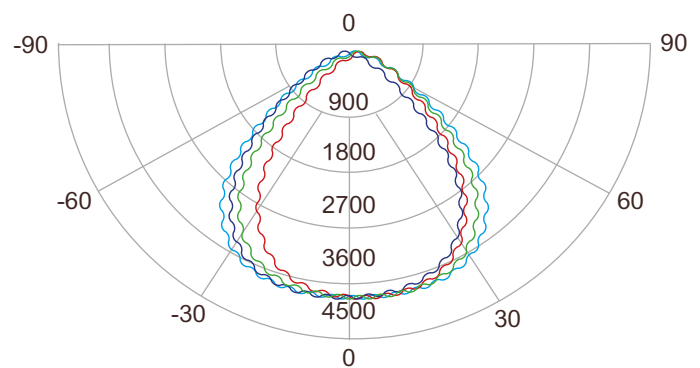
100W Average Beam Angle (50%) : 58.1 DEG



— C0/180, 58.3°
— C30/210, 57.7°

— C60/240, 58.1°
— C90/270, 58.2°

120W Average Beam Angle (50%) : 104.9 DEG



— C0/180, 104.5°
— C30/210, 115.1°

— C60/240, 104.6°
— C90/270, 95.4°

Light

Luminaire input voltage	DC 24
Power consumption	100W / 120W
Lumen Output	9200 / 11462 lumens
Operating temperature	-30°C ~ +50°C / -22°F ~ +122°F
Color temperature	~ 6200 K
IES lighting type	Type II

Material	High pressure die-cast aluminum
Lens	5mm toughened glass, optical grade PMMA
IP class	IP 65
Insulation	Class I
Led Performance	≥ 120 lumens /watt
CRI	≥70

Warranties

Battery	2 years
Solar charger	5 years
HDPE shaft	5 years
Above ground cabinet	1.5 year
Pole	10 years

General product warranty	1 year
LED light source	5 years
PV Module	10 year product warranty 25 year linear performance warranty on 85% power output