

## Solar Led Street Lights

VS-LED (20/30/40W)

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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 (20/30/40W)

#### Solar Panel

Rating Power	150 W
Maximum Power Voltage	18.72 V
Maximum Power Current	8.01 A
Open Circuit Voltage	22.4 V
Short Circuit Current	8.61 A
Size (cm)	1466 X 676
Weight	39,5 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

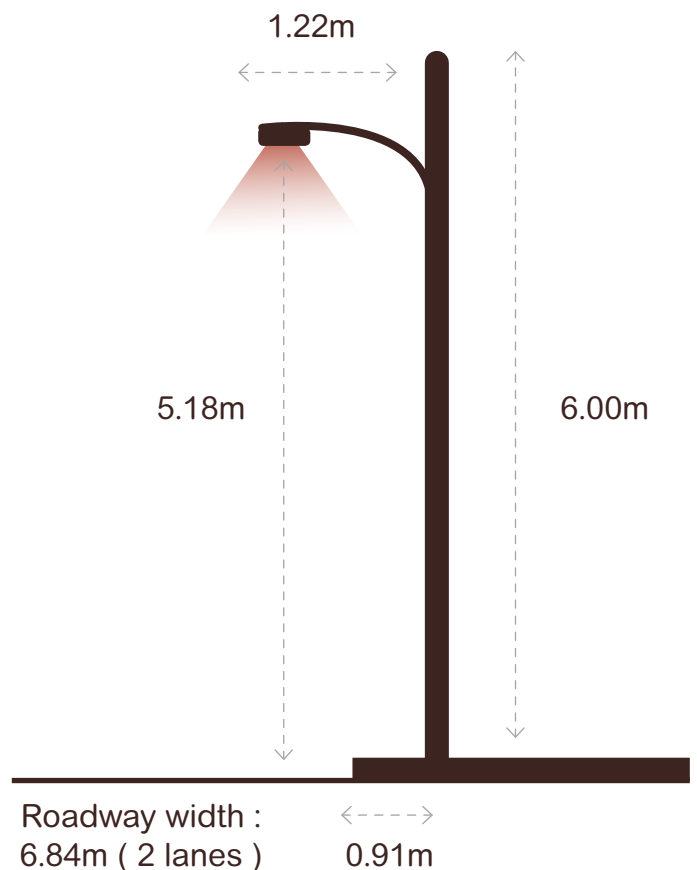
#### Battery

Battery Type	GEL Deep cycle lead-acid
Operating Voltage	12 V
Capacity	80 Ah at 20hr-rate to 1.75 V per cell at 77°F
Dimensions	13 (L) X 7(W) X 8.5 (H) (in)
Expected life	5 - 7 años

#### Pole

Height	Diameter bottom/top	Thickness	Material	Finishing
6.00 m	17.14 / 13.97 (cm)	16.5 cm	Galvanized steel	Powder coating

#### Physical Diagram

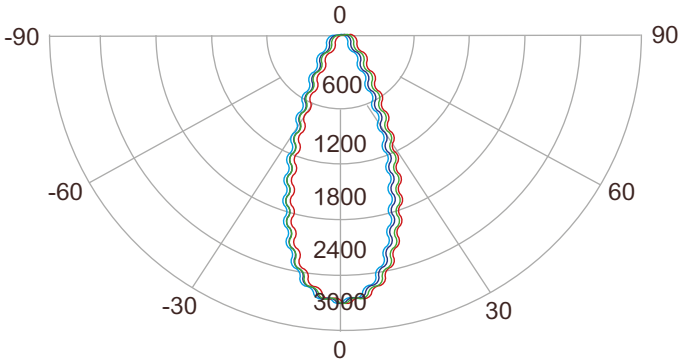


## Technical Specifications

### VS-LED (20/30/40W)

#### Luminous intensity diagram

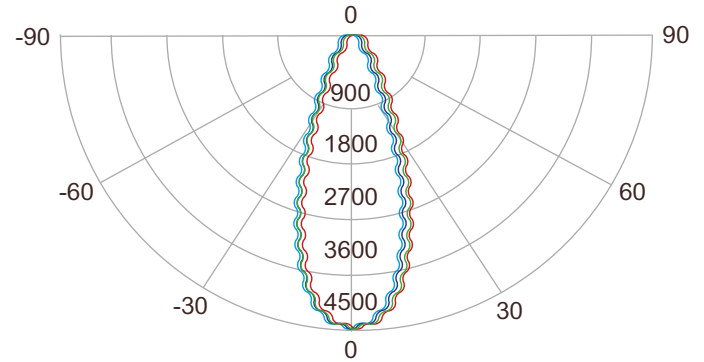
20W Average Beam Angle (50%) : 35.0 DEG



— C0/180, 34.8"  
— C30/210, 34.7"

— C60/240, 34.9"  
— C90/270, 35.4"

30W Average Beam Angle (50%) : 34.5 DEG

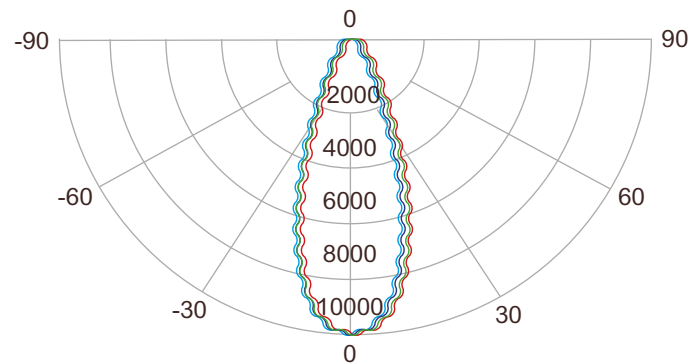


— C0/180, 34.8"  
— C30/210, 34.7"

— C60/240, 34.9"  
— C90/270, 35.4"

— C60/240, 34.9"  
— C90/270, 35.4"

40W Average Beam Angle (50%) : 35.7 DEG



— C0/180, 34.8"  
— C30/210, 34.7"

— C60/240, 34.9"  
— C90/270, 35.4"

#### Light

Luminaire input voltage	DC 12V / 24V
Power consumption	20W / 30W / 40W
Lumen Output	1983 / 2892 / 3946 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 type	CREE XPG > 130 lm / W
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