

Datasheet



IP66/IK10

LEDENVO™ PLUS Solar Street light is 2 in 1 integrated solution for road applications, which is easy for installation and maintenance. It is a high performance to provide excellent visibility for drivers and good comfort for pedestrians.

Pressure die-casting aluminum with high reliability optical system for long lifetime and energy saving

Benefits

40W and 60W for different field application

IP66 protection and robust design

- Robust mechanical design for extreme outdoor environment
- Easy to maintain
- Energy saving

High efficacy

- Up to 160 lm/W high efficacy

Long lifetime

- 50,000 hours lifetime saving maintenance cost

Applications

Streetlight illuminations

City beautifications

Parking lots

Technical Data

Optical Specifications

		40W	60W
Luminous Flux	3000K:	5600	8400
(Lm)	5700K:	6000	9300
Efficacy:	3000K:	140 lm/W	
	5700K:	150 lm/W	
Color Temperature:	3000K, 5700K		
Color Rendering Index:	>70		
SDCM:	5		
Beam Angle:	150°x70°		150°x70°
Optical lens type:	UV stabilities Polycarbonate cover		

Electrical

Power Consumption:	40W	60W
Solar controller:	Osram	Osram
Dimmable:	Yes	

Operating Mode:	1. Light control mode: The fixture will work the whole night by battery during sunset and sunrise 2. Test mode: Testing the system by remote controller optional 3. Manual mode: Turn On/Off the fixture by remote controller 4. Program mode, follow the program preset		
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Battery Type:	Lithium Iron Phosphate, 36Ah	Over Charging Protection :	Yes
Battery Ampere Hour:	36Ah, 8 hours nominal	Battery Voltage:	12.8V
Life Cycle:	2400 cycle	Battery size :	150x200x70mm
Solar Panel Type:	POLYCRYSTALLINE		
(Suggest, not included)	17.6 Vmp	Solar Panel Open Circuit Voltage :	22.6 Voc
Solar Panel Maximum Power Voltage:			
Solar Panel Peak Wattage	150W	Solar Panel Size:	1040*770*35mm

Mechanical Specifications

Dimensions	Length	545mm	545mm
	Width	297mm	297mm
	Height	153mm	153mm
Weight	4.5kg		5kg
Cover Lens	PC lens		
Housing	Die-casting aluminium, RAL9006 Grey		

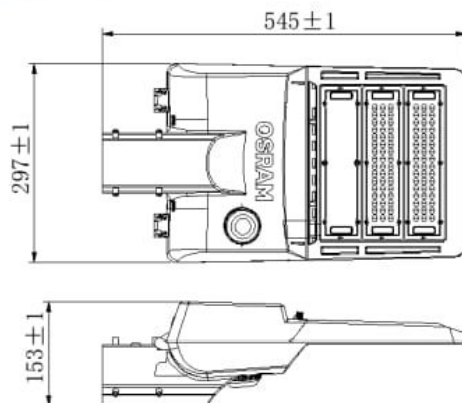
LEDENVO™ PLUS Solar Street Light

OSRAM

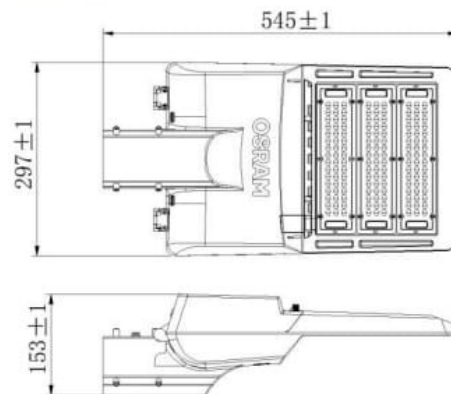
System Specifications

Mounting Type:	Side-entry mounting
Installation Height:	8-10m
Mounting Diameter:	55mm-60mm
Operating Temperature:	-30°C to +50°C
Relative Humidity:	0 to 93%
Storage Temperature:	-30°C to +85°C
Safety Classification:	Class III
Environment:	Outdoor (IP66)
Lumen Maintenance:	L80@25°C - 50,000hrs

Dimension 40W



Dimension 60W



Light Distribution Curve

