

LEDENVO™ PLUS Street Light V2

Datasheet



☼ IP66 CB IK09

LEDENVO PLUS Street light V2 is a full power, high performance road lighting lamp, with interface of smart street control, it can be perfectly integrated into the smart city control system. Simple appearance, robust mechanical housing, professional optical design, high efficiency, high reliability, low maintenance cost, it can provide a good street lighting solution, make sure the road safety and pedestrian comfort. LEDENVO PLUS Street light V2 is suitable for all road lighting applications, such as residential road, branch road, urban main road, urban expressway, etc.

Benefits

Perfectly integrated into smart city control system

- With interface of smart street control NEMA
- On/off and 1-10V dim, 2 in 1
- Flexible power options
- Full power range, 30~320W for different application
- Surge protection, 10KV
- PC lens + Tempered glass

High reliability

- Lumen maintenance 50,000Hrs @ Ta35°C
- Robust mechanical design for extreme outdoor
- IP66 IK09
- Working temperature: -30°C ~ +55°C

Easy to maintain

- No tools for maintenance and replacement
- Suitable for mounting on Ø40~60mm diameter
- Driver can be replaceable, and lens can be customized

Applications

- Street light illuminations
- Residential road lighting
- Parking lots
- Industrial roads

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Technical Parameter

Optical Specifications

	Micro	Mini	Midi				Maxi					
	30W	60W	90W	120W	150W	180W	210W	240W	270W	300W	320W	
Luminous Flux	3000K	3900lm	7800lm	11700lm	15600lm	19500lm	23400lm	27300lm	31200lm	35100lm	39000lm	41600lm
	4000K	4200lm	8400lm	12600lm	16800lm							
Efficacy	3000K	130 lm/W										
	4000K	140 lm/W										
CCT	3000K, 4000K											
CRI (Ra)	>70											
SDCM	5											
Beam angle	145x70°											

Electrical & Mechanical Specifications

Put Voltage	220-240V~ 50/60Hz											
Power Consumption	30W	60W	90W	120W	150W	180W	210W	240W	270W	300W	320W	
Power Factor	>0.95											
Total Harmonic Distortion (THD)	≤15%											
Surge Protection	Separated SPD , L-N L/N-GND: 10kV											
Dimensions	Length	450mm		522mm		682mm		814mm				
	Width	210mm		280mm		280mm		280mm				
	Height	100mm		105mm		105mm		105mm				
Weight	4.3kg	4.4kg	6.4kg	6.4kg	6.4kg	8kg	8.1kg	8.3kg	10.8kg	10.8kg	10.8kg	
Lens & Surface	PC Lens + Glass cover											
Body Material & Color	Die casting aluminum ADC12, RAL9006											

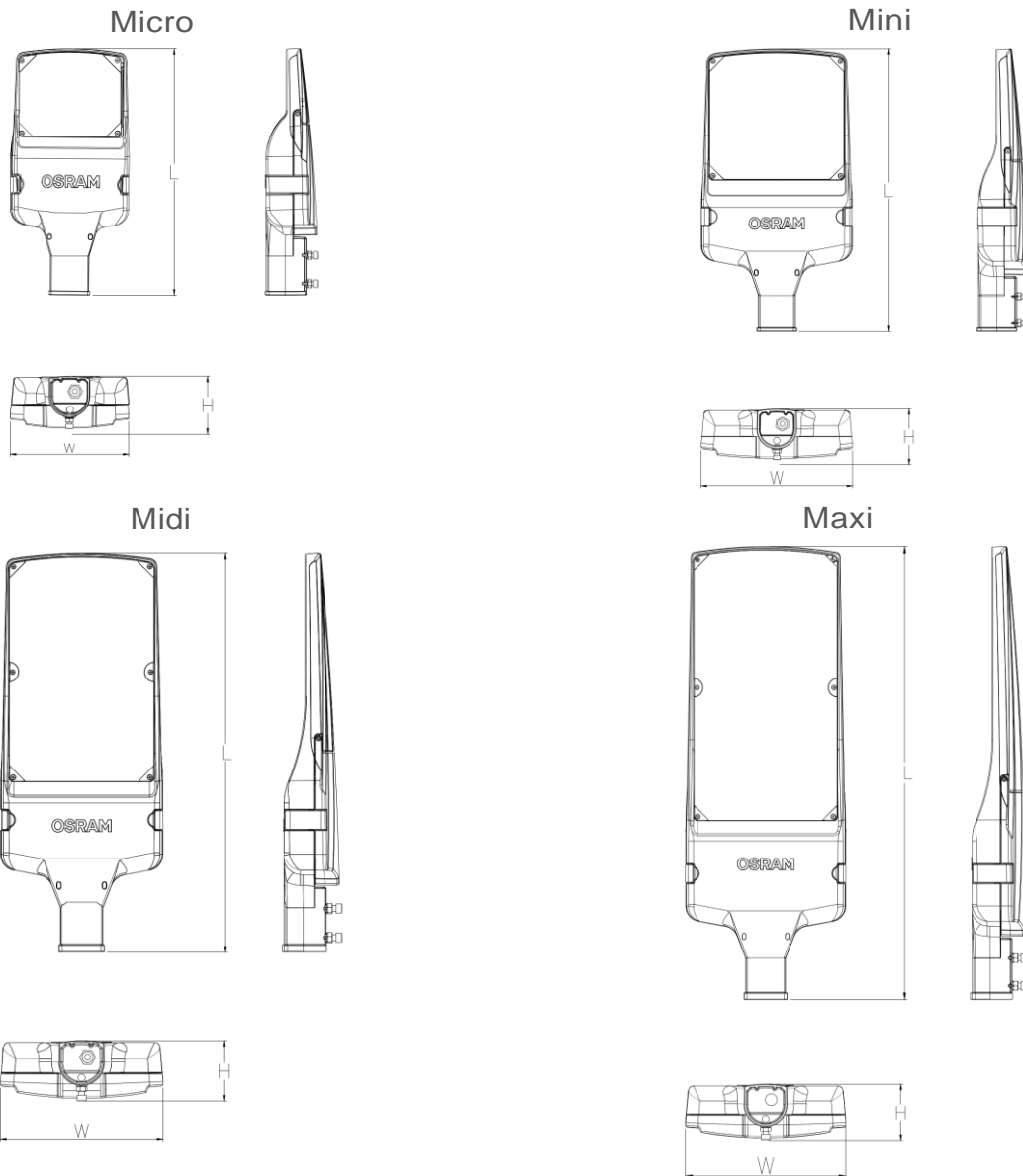
System Technical Specifications

Power	AC Driver
Dimmable	Yes, 1~10V dimming
Mounting Type	Side-entry installation
Mounting Diameter	Ø 55-60mm, Accessary available for 40mm
Storage Temperature	-30°C ~ +55°C
Storage Temperature	-40°C ~ +70°C
Environment	Outdoor (IP66, IK09)
Lumen Maintenance	L70 @35°C - 50,000 Hrs
Safety Approval	Electrical protection Class I, CB,CQC, ROHS

Due to the special conditions of manufacturing process of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from typical data.
Exceeding maximum ratings for operation voltage will cause hazardous overload and will likely destroy the LED module

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Dimensions



Dimensions

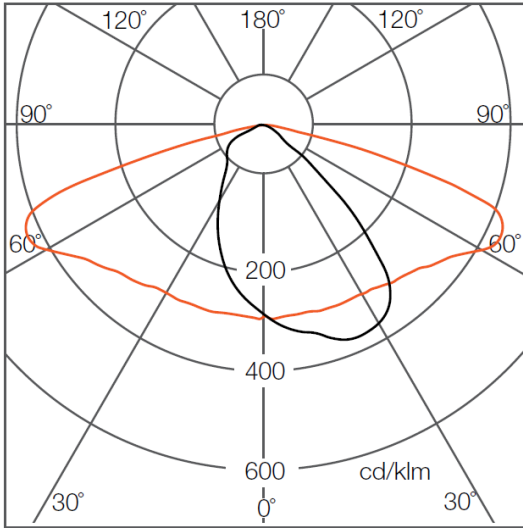
	Micro	Mini	Midi	Maxi
L	450mm	522mm	682mm	814mm
W	210mm	280mm	280mm	280mm
H	100mm	105mm	105mm	105mm

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Photometric Measurement

Distribution

145° x 70°



Due to the manufacturing processes of LED, the polar candela distribution and distance luminaries only reflect statistical figures and do not necessarily correspond to the actual parameters of individual product that may differ from the typical values.

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Order Information

Fixtures

Short Text	Power	CCT	Beam Angle	IC	EAN40
LEDENVO PLUS ST V2 30W 730 145x70 DIM VS1 OSRAM	30W	3000K	145*70°	AM408800055	4062172208642
LEDENVO PLUS ST V2 30W 740 145x70 DIM VS1 OSRAM	30W	4000K	145*70°	AM408810055	4062172208659
LEDENVO PLUS ST V2 60W 730 145x70 DIM VS1 OSRAM	60W	3000K	145*70°	AM408820055	4062172208666
LEDENVO PLUS ST V2 60W 740 145x70 DIM VS1 OSRAM	60W	4000K	145*70°	AM408830055	4062172208673
LEDENVO PLUS ST V2 90W 730 145x70 DIM VS1 OSRAM	90W	3000K	145*70°	AM408840055	4062172208680
LEDENVO PLUS ST V2 90W 740 145x70 DIM VS1 OSRAM	90W	4000K	145*70°	AM408850055	4062172208697
LEDENVO PLUS ST V2 120W 730 145x70 DIM VS1OSRAM	120W	3000K	145*70°	AM408860055	4062172208703
LEDENVO PLUS ST V2 120W 740 145x70 DIM VS1OSRAM	120W	4000K	145*70°	AM408870055	4062172208710
LEDENVO PLUS ST V2 150W 730 145x70 DIM VS1OSRAM	150W	3000	145*70°	AM408880055	4062172208727
LEDENVO PLUS ST V2 180W 730 145x70 DIM VS1OSRAM	180W	3000	145*70°	AM408890055	4062172208734
LEDENVO PLUS ST V2 210W 730 145x70 DIM VS1OSRAM	210W	3000	145*70°	AM408900055	4062172208741
LEDENVO PLUS ST V2 240W 730 145x70 DIM VS1OSRAM	240W	3000	145*70°	AM408910055	4062172208758
LEDENVO PLUS ST V2 270W 730 145x70 DIM VS1OSRAM	270W	3000	145*70°	AM408920055	4062172208765
LEDENVO PLUS ST V2 300W 730 145x70 DIM VS1OSRAM	300W	3000	145*70°	AM408930055	4062172208772
LEDENVO PLUS ST V2 320W 730 145x70 DIM VS1OSRAM	320W	3000	145*70°	AM408940055	4062172208789