

LEDENVO® LED Street Light V2

Datasheet



LEDENVO® LED Street light V2 series is the OSRAM latest cost-effective new generation streetlight. Classic and simple appearance, flexible and adjustable installation, 10KV lightning protection device, to provide beautiful, flexible, reliable, energy-saving lighting solutions, to ensure road safety and pedestrian comfort. LEDENVO Street Light V2 is suitable for ME2-ME5 road lighting applications, such as some urban road lighting, rural road lighting, etc.

Benefits

Balance performance

- Efficacy up to 150lm/W
- Power ranges from 20W to 150W
- CCT available 3000K, 4000K and 5700K
- Choice of 3 years warranty and 5 years warranty

Robust and Durable

- Independent 10KV lightning protection device
- Robust aluminum body
- High protection level IP66 & IK10

Flexible Installation

- Suitable for Post-top or Side-entry mounting
- Tilt angle adjustable
- Mounting on 40–60mm diameter pole

Applications

- Major Road, Local Road, Residential Road Rural Road lighting
- Commercial district road lighting
- Industrial areas road lighting
- Parking lot lighting

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Technical Data

Optical Specifications

	Micro	Mini			Midi				
Power	20W	30W	50W	60W	70W	90W	120W	150W	
Luminous Flux (lm)	@3000K	2700	4050	6750	8100	9450	12150	16200	20250
	@4000K	2900	4350	7250	8700	10150	13050	17400	21750
	@5700K	2900	4350	7250	8700	10150	13050	17400	21750
Efficacy	@3000K	Up to 140 lm/W							
	@4000K	Up to 150 lm/W							
	@5700K	Up to 150 lm/W							
CCT	3000K, 4000K, 5700K, others on request								
CRI	CRI 70, others on request								
SDCM	5								
Beam Angle	SNB (155° x 55°)					SMB (150°X70°)			

Electrical and Mechanical Specifications

Input Voltage	220–240V AC 50/60Hz							
Power Consumption	20W	30W	50W	60W	70W	90W	120W	150W
Power Factor	>0.95 (@220V& full load)							
Surge protection	Independent surge protection device, Line-to-line 10KV, line-to-ground 10KV							
Dimension (mm)	383 x 114 x 82			453 x 125 x 82			586 x 200 x 82	
Weight (kg)	0.92	0.92	1.45	1.45	1.45	2.65	2.65	2.65
Optical	PC, Polycarbonate							
Housing	ADC12 Aluminum							
Color	RAL 9006, others on request							

System Specifications

Power	AC power, 220-240VAC 50/60Hz
Control	On / off
Mounting	Side-entry or Post-top mounting
Operating Temperature	-30°C to +50°C
Storage Temperature	-30°C to +80°C
Environment	Outdoor, IP66/IK10
Lumen Maintenance	3 years warranty version: L70-30000 hours @35°C 5 years warranty version: L70-50000 hours @35°C
Safety Approval	Electrical Protection Class I, CQC, CB, ROHS

*There is no DC converter included within standard product package, DC converter can be ordered separately, please see ordering codes for details.

Items with ** are non-standard items and are available on request. Specification is subject to change due to continuous improvement.

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.

Exceeding maximum ratings for operation and storage temperature will reduce expected life time or destroy the LED module.

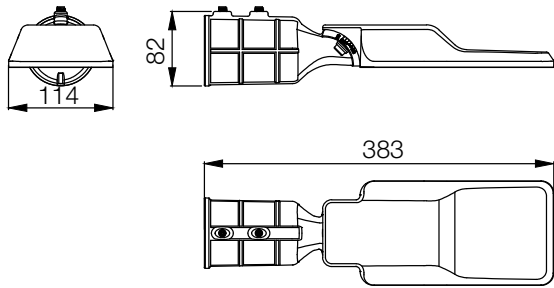
12/22 V1.0 · Specifications are subject to change without notice. Errors and omission excepted, always make sure to use the most recent release.

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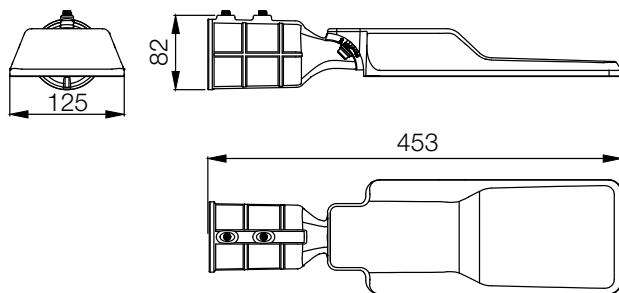
LEDENVO® LED Street Light V2

Dimensions (Unit: mm)

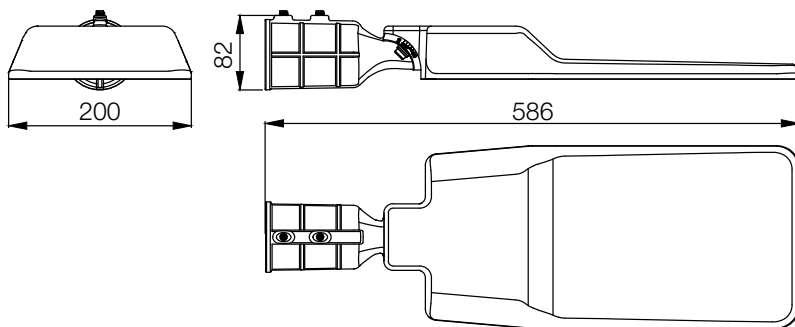
Micro 20W / 30W



Mini 50W / 60W / 70W



Midi 90W-150W



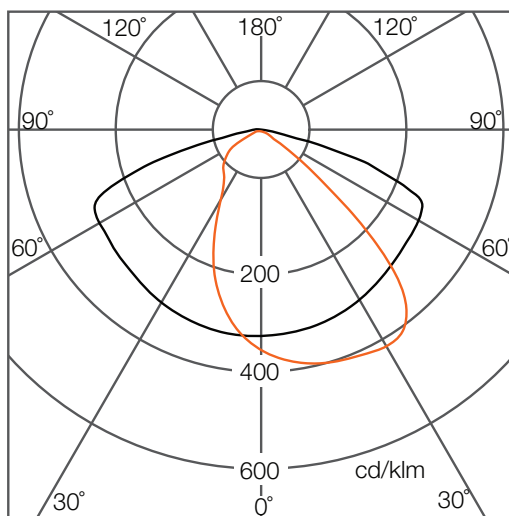
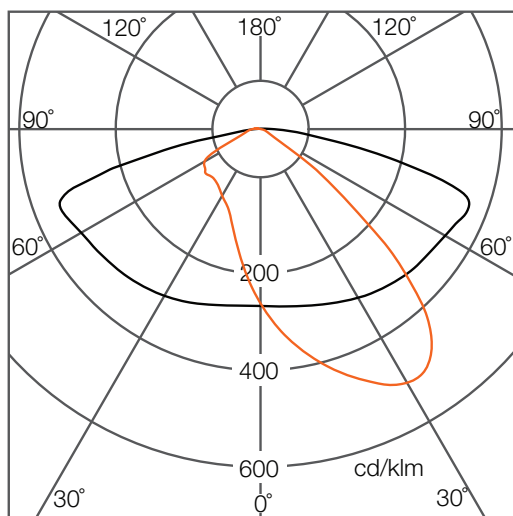
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Photometrics

Light Distribution Curve

SNB (155°X55°)

SMB (150°X70°)



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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Ordering Codes

Fixture

Short Text	Power	CCT	Warranty	IC	EAN40
LEDENVO ST V2 20W 730 SPD VS4 OSRAM	20W	3000K	3 years	AM480640055	4062172350259
LEDENVO ST V2 20W 740 SPD VS4 OSRAM	20W	4000K	3 years	AM480650055	4062172350273
LEDENVO ST V2 20W 757 SPD VS4 OSRAM	20W	5700K	3 years	AM480660055	4062172350297
LEDENVO ST V2 30W 730 SPD VS4 OSRAM	30W	3000K	3 years	AM480670055	4062172350310
LEDENVO ST V2 30W 740 SPD VS4 OSRAM	30W	4000K	3 years	AM480680055	4062172350334
LEDENVO ST V2 30W 757 SPD VS4 OSRAM	30W	5700K	3 years	AM480690055	4062172350358
LEDENVO ST V2 50W 730 SPD VS4 OSRAM	50W	3000K	3 years	AM480700055	4062172350372
LEDENVO ST V2 50W 740 SPD VS4 OSRAM	50W	4000K	3 years	AM480710055	4062172350396
LEDENVO ST V2 50W 757 SPD VS4 OSRAM	50W	5700K	3 years	AM480720055	4062172350419
LEDENVO ST V2 60W 730 SPD VS4 OSRAM	60W	3000K	3 years	AM480730055	4062172350433
LEDENVO ST V2 60W 740 SPD VS4 OSRAM	60W	4000K	3 years	AM480740055	4062172350457
LEDENVO ST V2 60W 757 SPD VS4 OSRAM	60W	5700K	3 years	AM480750055	4062172350471
LEDENVO ST V2 70W 730 SPD VS4 OSRAM	70W	3000K	3 years	AM480760055	4062172350495
LEDENVO ST V2 70W 740 SPD VS4 OSRAM	70W	4000K	3 years	AM480770055	4062172350518
LEDENVO ST V2 70W 757 SPD VS4 OSRAM	70W	5700K	3 years	AM480780055	4062172350532
LEDENVO ST V2 90W 730 SPD VS2 OSRAM	90W	3000K	3 years	AM480790055	4062172350556
LEDENVO ST V2 90W 740 SPD VS2 OSRAM	90W	4000K	3 years	AM480800055	4062172350570
LEDENVO ST V2 90W 757 SPD VS2 OSRAM	90W	5700K	3 years	AM480810055	4062172350594
LEDENVO ST V2 120W 730 SPD VS2 OSRAM	120W	3000K	3 years	AM480820055	4062172350617
LEDENVO ST V2 120W 740 SPD VS2 OSRAM	120W	4000K	3 years	AM480830055	4062172350631
LEDENVO ST V2 120W 757 SPD VS2 OSRAM	120W	5700K	3 years	AM480840055	4062172350655
LEDENVO ST V2 150W 730 SPD VS2 OSRAM	150W	3000K	3 years	AM480850055	4062172350679
LEDENVO ST V2 150W 740 SPD VS2 OSRAM	150W	4000K	3 years	AM480860055	4062172350693
LEDENVO ST V2 150W 757 SPD VS2 OSRAM	150W	5700K	3 years	AM480870055	4062172350716
LEDENVO ST V2P 20W 730 SPD VS4 OSRAM	20W	3000K	5 years	AM480880055	4062172350761
LEDENVO ST V2P 20W 740 SPD VS4 OSRAM	20W	4000K	5 years	AM480890055	4062172350785
LEDENVO ST V2P 20W 757 SPD VS4 OSRAM	20W	5700K	5 years	AM480900055	4062172350808
LEDENVO ST V2P 30W 730 SPD VS4 OSRAM	30W	3000K	5 years	AM480910055	4062172350822
LEDENVO ST V2P 30W 740 SPD VS4 OSRAM	30W	4000K	5 years	AM480920055	4062172350846
LEDENVO ST V2P 30W 757 SPD VS4 OSRAM	30W	5700K	5 years	AM480930055	4062172350860
LEDENVO ST V2P 50W 730 SPD VS4 OSRAM	50W	3000K	5 years	AM480940055	4062172350884
LEDENVO ST V2P 50W 740 SPD VS4 OSRAM	50W	4000K	5 years	AM480950055	4062172350907
LEDENVO ST V2P 50W 757 SPD VS4 OSRAM	50W	5700K	5 years	AM480960055	4062172350921
LEDENVO ST V2P 60W 730 SPD VS4 OSRAM	60W	3000K	5 years	AM480970055	4062172350945
LEDENVO ST V2P 60W 740 SPD VS4 OSRAM	60W	4000K	5 years	AM480980055	4062172350969
LEDENVO ST V2P 60W 757 SPD VS4 OSRAM	60W	5700K	5 years	AM480990055	4062172350983
LEDENVO ST V2P 70W 730 SPD VS4 OSRAM	70W	3000K	5 years	AM481000055	4062172351003
LEDENVO ST V2P 70W 740 SPD VS4 OSRAM	70W	4000K	5 years	AM481010055	4062172351027
LEDENVO ST V2P 70W 757 SPD VS4 OSRAM	70W	5700K	5 years	AM481020055	4062172351041
LEDENVO ST V2P 90W 730 SPD VS2 OSRAM	90W	3000K	5 years	AM481030055	4062172351065
LEDENVO ST V2P 90W 740 SPD VS2 OSRAM	90W	4000K	5 years	AM481040055	4062172351089
LEDENVO ST V2P 90W 757 SPD VS2 OSRAM	90W	5700K	5 years	AM481050055	4062172351102
LEDENVO ST V2P 120W 730 SPD VS2 OSRAM	120W	3000K	5 years	AM481060055	4062172351126
LEDENVO ST V2P 120W 740 SPD VS2 OSRAM	120W	4000K	5 years	AM481070055	4062172351140
LEDENVO ST V2P 120W 757 SPD VS2 OSRAM	120W	5700K	5 years	AM481080055	4062172351164
LEDENVO ST V2P 150W 730 SPD VS2 OSRAM	150W	3000K	5 years	AM481090055	4062172351188
LEDENVO ST V2P 150W 740 SPD VS2 OSRAM	150W	4000K	5 years	AM481100055	4062172351201
LEDENVO ST V2P 150W 757 SPD VS2 OSRAM	150W	5700K	5 years	AM481110055	4062172351225