

SIMPLITZ® Street Light V2 Datasheet



CB  **IK10** 

SIMPLITZ® Street Light V2 Edition is OSRAM's new generation intelligent street light, which can be integrated with built-in or external single-lamp controller, perfect access to the smart city control system. Streamline appearance, humanized structure, precise optical design, extra-long lifetime, high optical efficiency, to provide beautiful, reliable, energy-saving lighting solutions, to ensure road safety and pedestrian comfort. SIMPLITZ® Street Light V2 Edition is suitable for all road lighting applications, such as urban road lighting, rural road lighting, etc.

Benefits

- Perfectly integrated into smart city control
- Smart city connectivity with NEMA socket
- 1-10V/Step/PWM Dimming available

Fulfill various application

- Power range from 60W to 300W
- CCT available from 2700K to 6500K
- Up to 165 lm/W efficacy
- Flicker free

High reliability

- Independent 10KV surge protection
- Lumen maintenance L70-80000 hours @Ta35°C
- Robust aluminum body
- High protection level IP66&IK10
- Operating temperature: -40°C to +55°C

Easy to maintain

- No tools for maintenance and replacement
- Suitable for mounting on 40~60mm diameter
- Tilt angle adjustable

Applications

- Urban road lighting (Express way, Major road, Collector road, Local road, Residential road)
- Rural road lighting
- Commercial district road lighting
- Industrial areas road lighting
- Parking lot lighting

SIMPLITZ® Street Light V2

Technical Data

Optical Specifications

		Micro		Mini		Midi		Maxi		
Power		60W	90W	120W	150W	180W	210W	240W	270W	300W
Luminous Flux	@3000K	9000 lm	13500 lm	18000 lm	22500 lm	27000 lm	31500 lm	36000 lm	40500 lm	45000 lm
	@4000K	9300 lm	13950 lm	18600 lm	23250 lm	27900 lm	32550 lm	37200 lm	41850 lm	46500 lm
	@5700K	9300 lm	13950 lm	18600 lm	23250 lm	27900 lm	32550 lm	37200 lm	41850 lm	46500 lm
Efficacy	@3000K	Up to 155 lm/W								
	@4000K	Up to 165 lm/W								
	@5700K	Up to 165 lm/W								
CCT		3000K, 4000K, 5700K, Other on request								
CRI		CRI 70, Other on request								
SDCM		5								
Beam Angle		SMB (150°X70°)								

Electrical and Mechanical Specifications

Input Voltage	220-240V AC 50/60Hz									
Power Consumption	60W	90W	120W	150W	180W	210W	240W	270W	300W	
Power Factor	>0.95 (@220V& full load)									
Total Harmonic Distortion	≤15% (@220V& full load)									
Surge protection	Independent surge protection device, Line-to-line 10KV, line-to-ground 10KV									
Dimension (mm)	488*287*104		635*287*104		705*331*114		860*331*114			
Weight (kg)	4.2	4.5	5.4	5.4	7.1	7.1	8.5	9.3	9.3	
Optical	PC, Polycarbonate									
Housing	ADC12 Aluminum									
Color	RAL 9006, other on request									

System Specifications

Power	AC power, 220-240VAC 50/60Hz
Control	1-10V/Step/PWM Dimming
Mounting	Side-entry or Post-top mounting
Operating Temperature	-40°C to +55°C
Storage Temperature	-40°C to +80°C
Environment	IP66/IK10
Lumen Maintenance	L70-80000hours @35°C L80-50000hours @35°C
Warranty	5 Years
Safety Approval	Electrical Protection Class I, CQC, CB, 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.

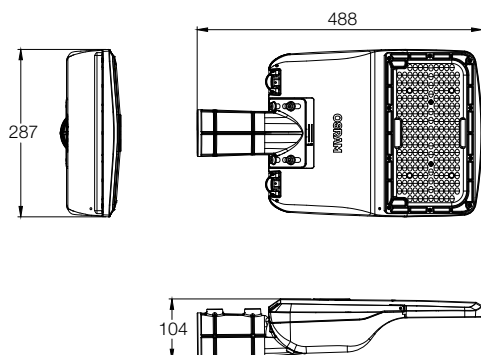
Exceeding maximum ratings for operation voltage will cause hazardous overload and will likely destroy the LED module.

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

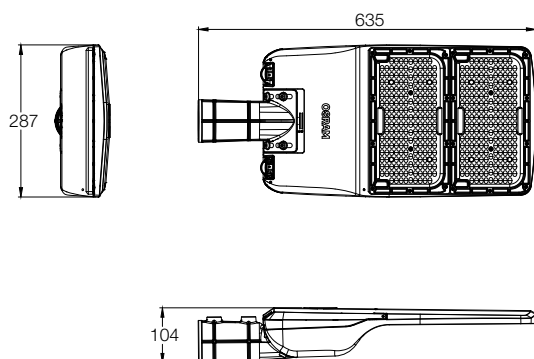
SIMPLITZ® Street Light V2

Dimensions (Unit: mm)

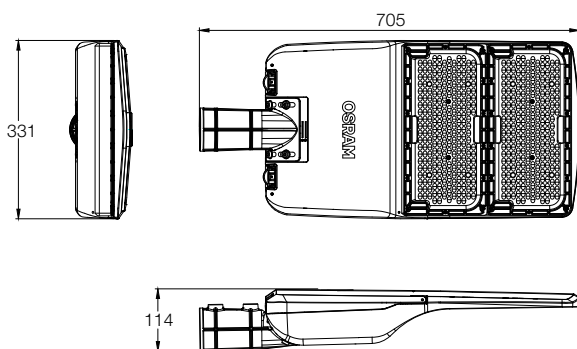
Micro 60W-90W



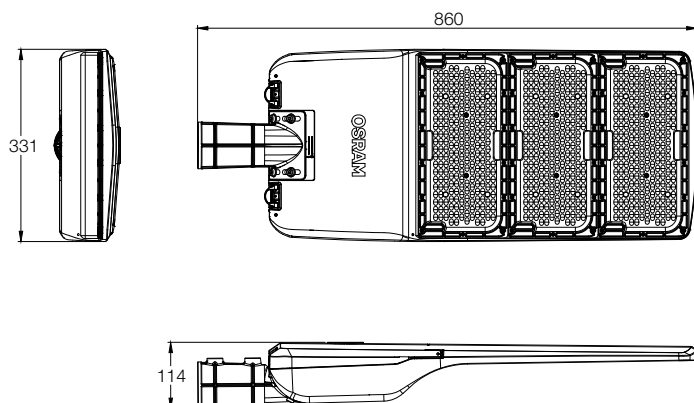
Mini 120W-150W



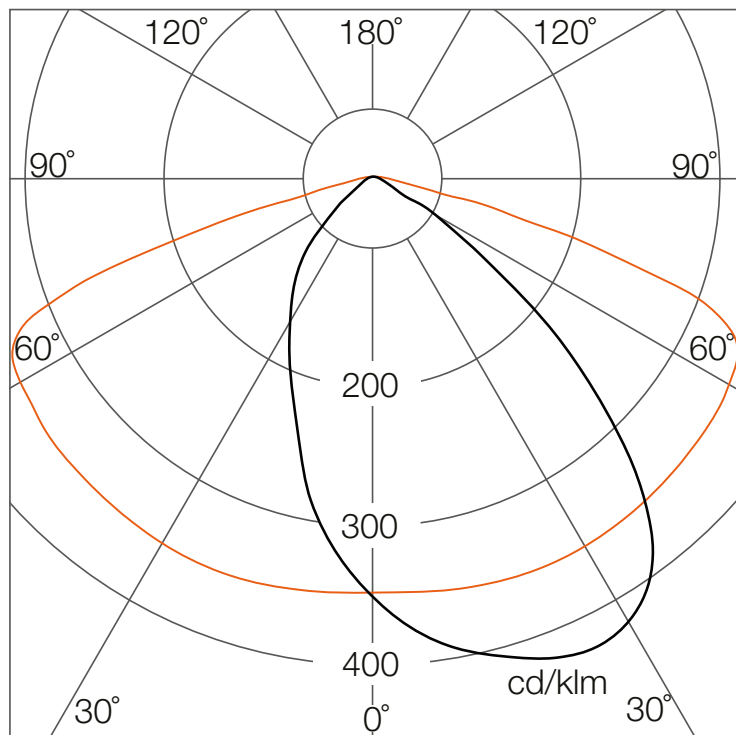
Midi 180W-210W



Maxi 240W-300W



Light Distribution Curve



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.

SIMPLITZ® Street Light V2

Ordering Codes

Fixture

Short Text	Power	CCT	IC	EAN40
SIM ST V2 60W 730 SMB VS2 OSRAM	60W	3000K	AM444890055	4062172268943
SIM ST V2 60W 730 SMB NEMA VS2 OSRAM	60W	3000K	AM444900055	4062172268950
SIM ST V2 60W 740 SMB VS2 OSRAM	60W	4000K	AM444910055	4062172268967
SIM ST V2 60W 740 SMB NEMA VS2 OSRAM	60W	4000K	AM444920055	4062172268974
SIM ST V2 60W 757 SMB VS2 OSRAM	60W	5700K	AM444930055	4062172268981
SIM ST V2 60W 757 SMB NEMA VS2 OSRAM	60W	5700K	AM444940055	4062172268998
SIM ST V2 90W 730 SMB VS2 OSRAM	90W	3000K	AM444950055	4062172269162
SIM ST V2 90W 730 SMB NEMA VS2 OSRAM	90W	3000K	AM444960055	4062172269179
SIM ST V2 90W 740 SMB VS2 OSRAM	90W	4000K	AM444970055	4062172269193
SIM ST V2 90W 740 SMB NEMA VS2 OSRAM	90W	4000K	AM444980055	4062172269247
SIM ST V2 90W 757 SMB VS2 OSRAM	90W	5700K	AM444990055	4062172269254
SIM ST V2 90W 757 SMB NEMA VS2 OSRAM	90W	5700K	AM445000055	4062172269261
SIM ST V2 120W 730 SMB VS1 OSRAM	120W	3000K	AM445010055	4062172269278
SIM ST V2 120W 730 SMB NEMA VS1 OSRAM	120W	3000K	AM445020055	4062172269285
SIM ST V2 120W 740 SMB VS1 OSRAM	120W	4000K	AM445030055	4062172269292
SIM ST V2 120W 740 SMB NEMA VS1 OSRAM	120W	4000K	AM445040055	4062172269308
SIM ST V2 120W 757 SMB VS1 OSRAM	120W	5700K	AM445050055	4062172269315
SIM ST V2 120W 757 SMB NEMA VS1 OSRAM	120W	5700K	AM445060055	4062172269322
SIM ST V2 150W 730 SMB VS1 OSRAM	150W	3000K	AM445070055	4062172269339
SIM ST V2 150W 730 SMB NEMA VS1 OSRAM	150W	3000K	AM445080055	4062172269346
SIM ST V2 150W 740 SMB VS1 OSRAM	150W	4000K	AM445090055	4062172269353
SIM ST V2 150W 740 SMB NEMA VS1 OSRAM	150W	4000K	AM445100055	4062172269360
SIM ST V2 150W 757 SMB VS1 OSRAM	150W	5700K	AM445110055	4062172269377
SIM ST V2 150W 757 SMB NEMA VS1 OSRAM	150W	5700K	AM445120055	4062172269384
SIM ST V2 180W 730 SMB VS1 OSRAM	180W	3000K	AM445130055	4062172269414
SIM ST V2 180W 730 SMB NEMA VS1 OSRAM	180W	3000K	AM445140055	4062172269421
SIM ST V2 180W 740 SMB VS1 OSRAM	180W	4000K	AM445150055	4062172269438
SIM ST V2 180W 740 SMB NEMA VS1 OSRAM	180W	4000K	AM445160055	4062172269445
SIM ST V2 180W 757 SMB VS1 OSRAM	180W	5700K	AM445170055	4062172269452
SIM ST V2 180W 757 SMB NEMA VS1 OSRAM	180W	5700K	AM445180055	4062172269469
SIM ST V2 210W 730 SMB VS1 OSRAM	210W	3000K	AM445190055	4062172269476
SIM ST V2 210W 730 SMB NEMA VS1 OSRAM	210W	3000K	AM445200055	4062172269483
SIM ST V2 210W 740 SMB VS1 OSRAM	210W	4000K	AM445210055	4062172269490
SIM ST V2 210W 740 SMB NEMA VS1 OSRAM	210W	4000K	AM445220055	4062172269506
SIM ST V2 210W 757 SMB VS1 OSRAM	210W	5700K	AM445230055	4062172269513
SIM ST V2 210W 757 SMB NEMA VS1 OSRAM	210W	5700K	AM445240055	4062172269520

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Ordering Codes

Fixture

Short Text	Power	CCT	IC	EAN40
SIM ST V2 240W 730 SMB VS1 OSRAM	240W	3000K	AM445250055	4062172269537
SIM ST V2 240W 730 SMB NEMA VS1 OSRAM	240W	3000K	AM445260055	4062172269544
SIM ST V2 240W 740 SMB VS1 OSRAM	240W	4000K	AM445270055	4062172269551
SIM ST V2 240W 740 SMB NEMA VS1 OSRAM	240W	4000K	AM445280055	4062172269568
SIM ST V2 240W 757 SMB VS1 OSRAM	240W	5700K	AM445290055	4062172269575
SIM ST V2 240W 757 SMB NEMA VS1 OSRAM	240W	5700K	AM445300055	4062172269582
SIM ST V2 270W 730 SMB VS1 OSRAM	270W	3000K	AM445310055	4062172269599
SIM ST V2 270W 730 SMB NEMA VS1 OSRAM	270W	3000K	AM445320055	4062172269605
SIM ST V2 270W 740 SMB VS1 OSRAM	270W	4000K	AM445330055	4062172269612
SIM ST V2 270W 740 SMB NEMA VS1 OSRAM	270W	4000K	AM445340055	4062172269629
SIM ST V2 270W 757 SMB VS1 OSRAM	270W	5700K	AM445350055	4062172269636
SIM ST V2 270W 757 SMB NEMA VS1 OSRAM	270W	5700K	AM445360055	4062172269643
SIM ST V2 300W 730 SMB VS1 OSRAM	300W	3000K	AM445370055	4062172269650
SIM ST V2 300W 730 SMB NEMA VS1 OSRAM	300W	3000K	AM445380055	4062172269667
SIM ST V2 300W 740 SMB VS1 OSRAM	300W	4000K	AM445390055	4062172269674
SIM ST V2 300W 740 SMB NEMA VS1 OSRAM	300W	4000K	AM445400055	4062172269681
SIM ST V2 300W 757 SMB VS1 OSRAM	300W	5700K	AM445410055	4062172269698
SIM ST V2 300W 757 SMB NEMA VS1 OSRAM	300W	5700K	AM445420055	4062172269704