

## CB IP66

The SIMPLITZ Solar Streetlight Integrated represents cutting-edge solar streetlight technology. It features a monocrystalline solar panel with high conversion efficiency, a secure and reliable automotive power lithium iron phosphate battery, an ultra-high light efficiency light engine, an intelligent MPPT controller, and a compact all-in-one structure for easy installation and maintenance. This ensures both road safety and pedestrian comfort.

The SIMPLITZ Solar Streetlight Integrated is available in General and Premium editions, catering to ME3-ME5 road lighting applications, including urban and rural road lighting, among others.

## Benefits

### Cost Saving

- Extremely low operation cost
- Extended service life
- High efficacy up to 180 lm/W @3000K

### Flexible Installation

- Solar panel tilt angle adjustable
- Light engine tilt angle adjustable
- Mounting on 60- 80mm diameter pole

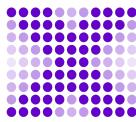
### Durability and Reliability

- Robust aluminum body of light engine
- High protection level IP66 & IK07

## Applications

We support a wide range of applications including:

- Pathways
- Rural areas
- Parks
- Offices, campuses
- Suburban roads
- Inner city roads



### Light Engine Specifications

Power	30W	40W	50W	70W	85W	100W
Luminous Flux White @5700K	5400 lm	7200 lm	9000 lm	12600 lm	15300 lm	18000 lm
Efficacy	Up to 180 lm/W @ 5700K					
CCT & CRI	3000K, 4000K, 5700K & CRI 70, others on request					
SDCM	5 SDCM					
Beam Angle	Type II, SMB (150°X70°)					
Optical	PC, Polycarbonate					

### Electrical and Mechanical Specifications - General Edition

Battery Type	Lithium iron phosphate					
Battery Capacity	153.6Wh	230.4Wh	307.2Wh	460.8Wh	460.8Wh	614.4Wh
Battery Ampere Hour	12Ah	18Ah	12Ah	18Ah	18Ah	24Ah
Battery Voltage	12.8V	12.8V	25.6V	25.6V	25.6V	25.6V
Battery Charging & Discharging Cycles	DOD 100%, 2000 Cycles; DOD 80%, more than 4000 Cycles					
Panel Type	Mono crystalline					
Panel Voltage	18V	18V	36V	36V	36V	36V
Panel Peak Wattage	32W	42W	54W	70W	83W	94W
Charge Controller Type	MPPT					
Charge Controller Wattage	60W	60W	60W	100W	100W	100W

### Electrical and Mechanical Specifications - Premium Edition

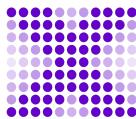
Battery Type	Lithium iron phosphate					
Battery Capacity	384.0Wh	537.6Wh	614.4Wh	768Wh	921.6Wh	1228.8Wh
Battery Ampere Hour	30Ah	42Ah	24Ah	30Ah	36Ah	48Ah
Battery Voltage	12.8V	12.8V	25.6V	25.6V	25.6V	25.6V
Battery Charging & Discharging Cycles	DOD 100%, 2000 Cycles; DOD 80%, more than 4000 Cycles					
Panel Type	Mono crystalline					
Panel Voltage	18V	18V	36V	36V	36V	36V
Panel Peak Wattage	54W	83W	94W	110W	124W	160W
Charge Controller Type	MPPT					
Charge Controller Wattage	60W	60W	60W	100W	100W	100W

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.

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



## Control and Dimming

Sensor	Yes, Microwave Sensor
	General Edition: The luminaires come with a factory preset dimming profile: First 2 Hrs - On motion: 100%, without motion: 20%; Next 3 Hrs - On motion: 40%, without motion: 20%; Next 5 Hrs - On motion: 20%, without motion: 10%; Rest of the Night - On motion: 50%, without motion: 20%
Solar Dimming Profile	Premium Edition: The luminaires come with a factory preset dimming profile: First 2 Hrs - On motion: 100%, without motion: 30%; Next 3 Hrs - On motion: 60%, without motion: 20%; Next 5 Hrs - On motion: 30%, without motion: 10%; Rest of the Night - On motion: 50%, without motion: 20%
Grid Connection Type	Off grid

## Other Specifications

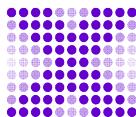
Housing	Aluminum
Color	RAL 9006, others on request
Mounting Type	Post-top mounting
Operating Temperature	Charging temperature: 0°C to +55°C; Storage temperature: -40°C to +60°C
Storage Temperature	Within one month: -10°C to +35°C; Within one year: -10°C to +25°C
Environment	Outdoor, IP66/IK07
Lumen Maintenance	5 years warranty version: L70 - 100,000hrs
Safety Approval	IEC 60598, RoHS

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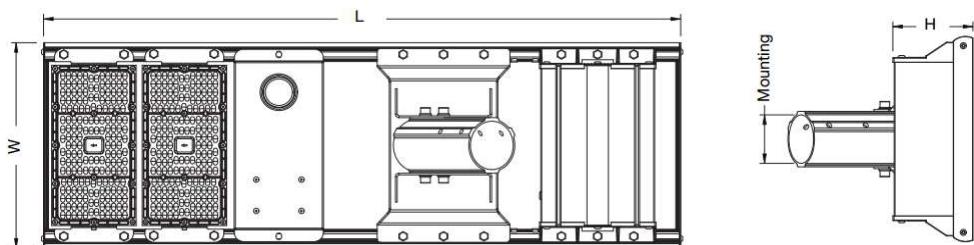
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## Light Engine Dimension



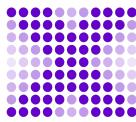
### General

Power	30W	40W	50W	70W	85W	100W
Length (mm)	506	686	806	1056	1296	906
Width (mm)	348	348	348	348	348	538
Height (mm)	133	133	133	133	133	133
Mounting (mm)	80	80	80	80	80	80

### Premium

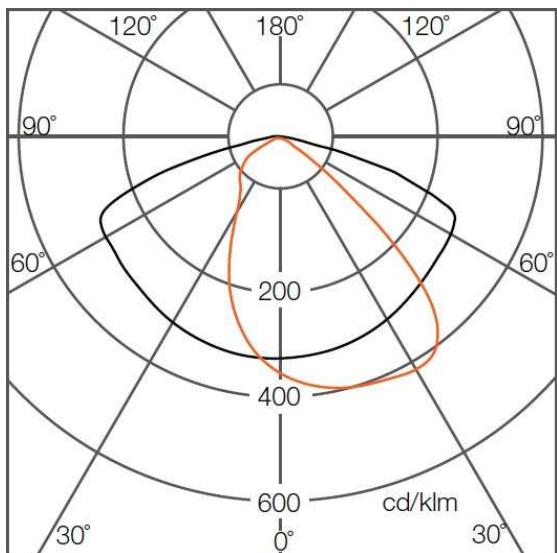
Power	30W	40W	50W	70W	85W	100W
Length (mm)	806	1296	906	1156	1326	1706
Width (mm)	348	348	348	538	538	538
Height (mm)	133	133	133	133	133	133
Mounting (mm)	80	80	80	80	80	80

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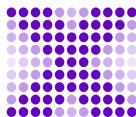
### Light Distribution Curve

SNB (150° x 70°)



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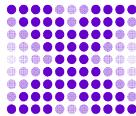
### Product Configurator

SIM Solar ST Integrated 30W 757	Power	CRI-CCT	Version
SIM Solar ST Intehrated	30W	730: Ra 70, 3000K	Blank: General
	40W	740: Ra 70, 4000K	Pro: Premium
	50W	757: Ra 70, 5700K	
	70W		
	85W		
	100W		

### ORDERING CODES

#### Fixtures - General

Description	IC	Power	CCT
SIM Solar ST Integrated 30W 730	TXGL25100057455	30W	3000K
SIM Solar ST Integrated 30W 740	TXGL25100057555	30W	4000K
SIM Solar ST Integrated 30W 757	TXGL25100057655	30W	5700K
SIM Solar ST Integrated 40W 730	TXGL25100057755	40W	3000K
SIM Solar ST Integrated 40W 740	TXGL25100057855	40W	4000K
SIM Solar ST Integrated 40W 757	TXGL25100057955	40W	5700K
SIM Solar ST Integrated 50W 730	TXGL25100058055	50W	3000K
SIM Solar ST Integrated 50W 740	TXGL25100058155	50W	4000K
SIM Solar ST Integrated 50W 757	TXGL25100058255	50W	5700K
SIM Solar ST Integrated 70W 730	TXGL25100058355	70W	3000K
SIM Solar ST Integrated 70W 740	TXGL25100058455	70W	4000K
SIM Solar ST Integrated 70W 757	TXGL25100058555	70W	5700K
SIM Solar ST Integrated 85W 730	TXGL25100058655	85W	3000K
SIM Solar ST Integrated 85W 740	TXGL25100058755	85W	4000K
SIM Solar ST Integrated 85W 757	TXGL25100058855	85W	5700K
SIM Solar ST Integrated 100W 730	TXGL25100058955	100W	3000K
SIM Solar ST Integrated 100W 740	TXGL25100059055	100W	4000K
SIM Solar ST Integrated 100W 757	TXGL25100059155	100W	5700K



## Fixtures - Premium

Description	IC	Power	CCT
SIM Solar ST Integrated 30W 730 Pro	TXGL25100059255	30W	3000K
SIM Solar ST Integrated 30W 740 Pro	TXGL25100059355	30W	4000K
SIM Solar ST Integrated 30W 757 Pro	TXGL25100059455	30W	5700K
SIM Solar ST Integrated 40W 730 Pro	TXGL25100059555	40W	3000K
SIM Solar ST Integrated 40W 740 Pro	TXGL25100059655	40W	4000K
SIM Solar ST Integrated 40W 757 Pro	TXGL25100059755	40W	5700K
SIM Solar ST Integrated 50W 730 Pro	TXGL25100059855	50W	3000K
SIM Solar ST Integrated 50W 740 Pro	TXGL25100059955	50W	4000K
SIM Solar ST Integrated 50W 757 Pro	TXGL25100060055	50W	5700K
SIM Solar ST Integrated 70W 730 Pro	TXGL25100060155	70W	3000K
SIM Solar ST Integrated 70W 740 Pro	TXGL25100060255	70W	4000K
SIM Solar ST Integrated 70W 757 Pro	TXGL25100060355	70W	5700K
SIM Solar ST Integrated 85W 730 Pro	TXGL25100060455	85W	3000K
SIM Solar ST Integrated 85W 740 Pro	TXGL25100060555	85W	4000K
SIM Solar ST Integrated 85W 757 Pro	TXGL25100060655	85W	5700K
SIM Solar ST Integrated 100W 730 Pro	TXGL25100060755	100W	3000K
SIM Solar ST Integrated 100W 740 Pro	TXGL25100060855	100W	4000K
SIM Solar ST Integrated 100W 757 Pro	TXGL25100060955	100W	5700K

## Accessories

Description	IC
Remote for SIM Solar ST Integrated	TXGO25300105355

