

LINE OF EXTREME EFFICIENCY

XOLUTION

BY  SUPRA



www.supralighting.com

SUNX 6,800 a 25,500 lm



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TECHNICAL DATA SHEET

SUNX by SUPRA, from our XOLUTION line of extreme efficiency. Designed with high-efficiency solar panels for outdoor use on roadways, featuring an adjustable angle design for adapting to road width.

- Equipped with battery indicator lights to monitor charging and discharging. The lighting duration supports 5 to 7 rainy days.
- Built-in motion sensor functionality.
- High-durability luminaire with a housing made of premium aluminum alloy, coated with dark gray paint and an excellent IP67 protection grade.
- Certifications and compliance:

SUGGESTED USE

Roadways
Open parking lots
Industrial yards
Transportation stations
Green areas



Benefits of our LED lighting



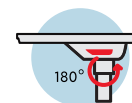
Improves lighting levels



Long lifespan



Minimal maintenance



Adjustable angle



More realistic colors



Significant savings on fixed costs



Lower kW/h consumption

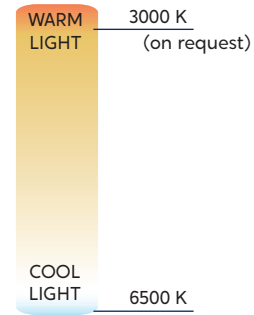


Protection degree

SUNX by SUPRA features a high Color Rendering Index (CRI) for accurate color reproduction and is available in two color temperature options (K):

3000K Warm White: Ideal for outdoor areas or spaces where a comfortable and tranquil atmosphere is desired. (Available on request).

6500K Cool White: Provides light similar to natural daylight, perfect for inspection areas, retail, or roadways.



General Features:

- Installation height: 5-10 m
- Coverage area: 20-40 m
- Operating voltage: 18V - 36V
- Operating temperature: -20°C to 60°C
- Average lifespan: 50,000 hours
- IP66: High level of dust and water protection
- IK10: High impact resistance

Luminous Flux vs Ambient Temperature

Temperature

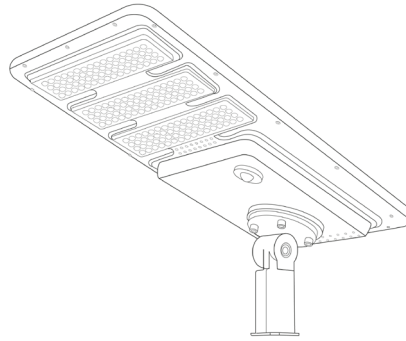
The final luminous flux depends on the ambient temperature. Multiply the correction factor by the luminous output of the selected model to make the adjustment.

TEMPERATURE	CORRECTION FACTOR
25 °C	1
30 °C	0.98
35 °C	0.97
40 °C	0.97
45 °C	0.96
50 °C	0.95
55 °C	0.95
60 °C	0.94

MODEL	LUMEN CODE	SOLAR PANEL	INSTALLATION HEIGHT	BATTERY	
				VOLTAGE	LiFePO BATTERY
SUNX-40	L06	18V/50W	5-6 m	3.2 V	192WH
SUNX-50	L08	18V/65W	6-7 m	12.8 V	230WH
SUNX-60	L10	18V/80W	7-8 m	12.8 V	384WH
SUNX-80	L13	18V/100W	8-9 m	12.8 V	460WH
SUNX-100	L17	36V/110W	9-10 m	25.6 V	512WH
SUNX-120	L20	36V/110W	9-10 m	25.6 V	640WH
SUNX-150	L25	36V/150W	9-10 m	25.6 V	768WH

Installation

Suitable for pole-top installation.

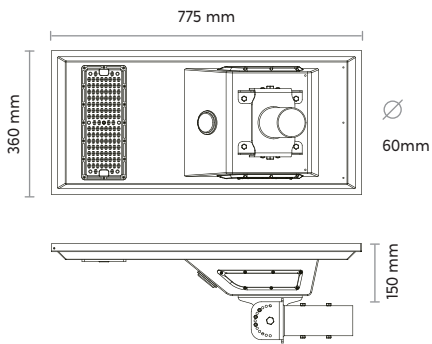


Installation Manual



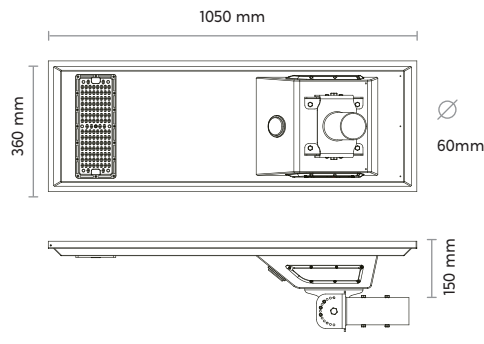
Dimensions

SUNX-40



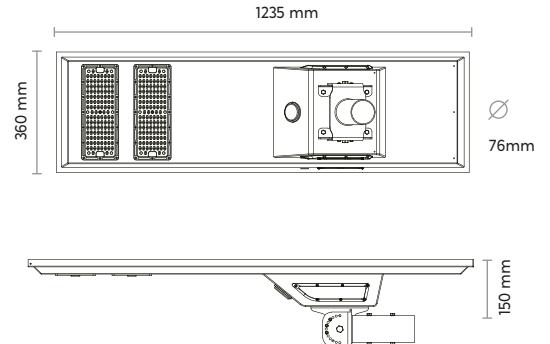
WEIGHT: 14 kg

SUNX-50



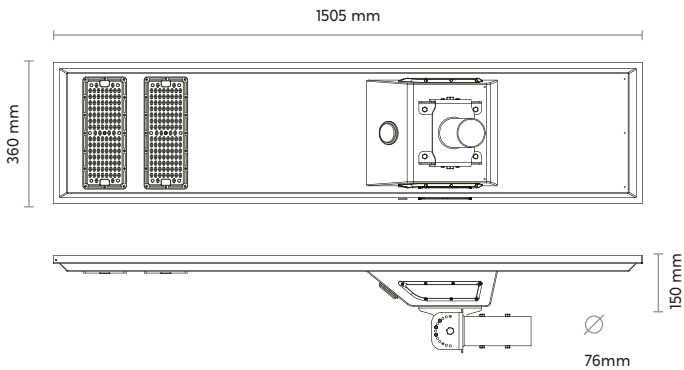
WEIGHT: 16 kg

SUNX-60



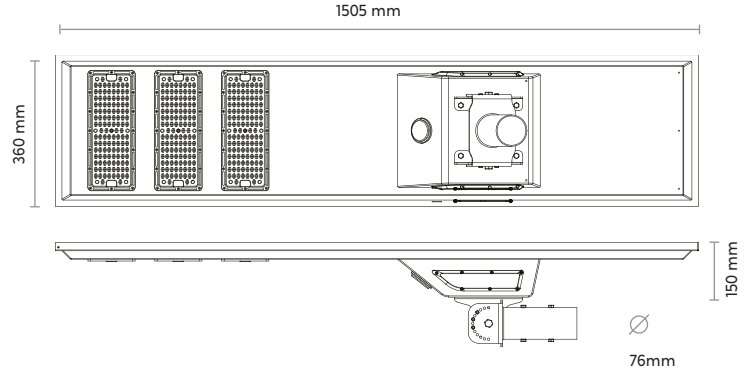
WEIGHT: 19.7 kg

SUNX-80



WEIGHT: 23.2 kg

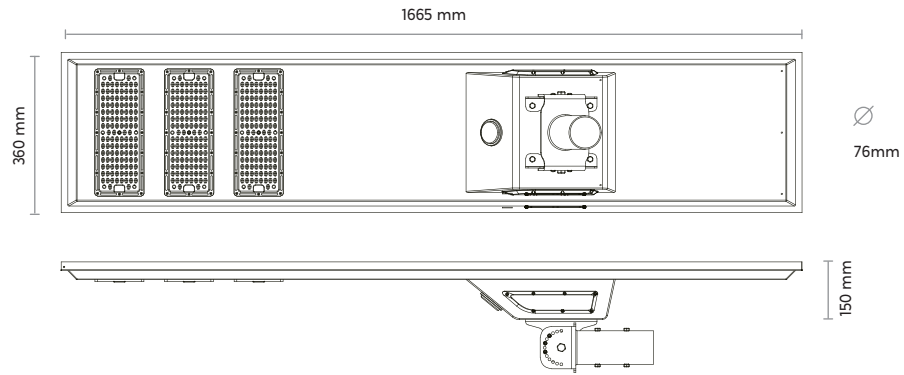
SUNX-100



WEIGHT: 25.4 kg

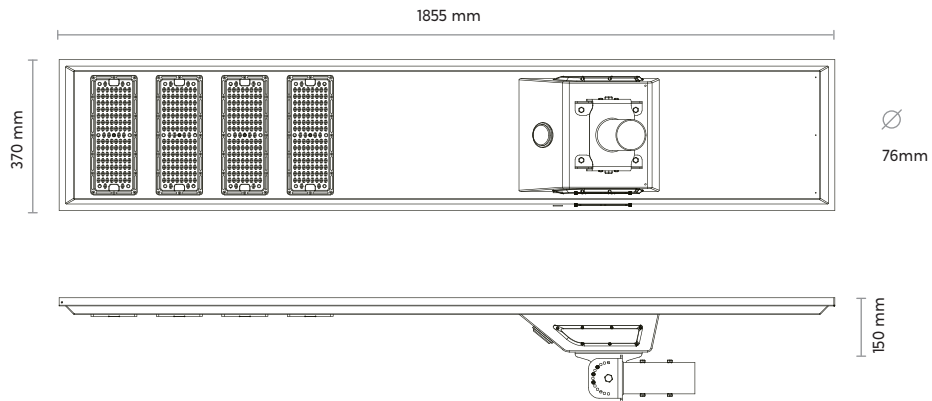
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SUNX-120



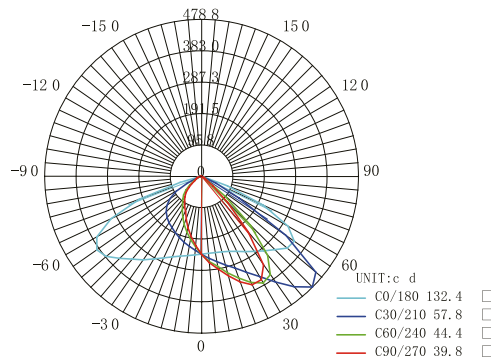
WEIGHT: 28.5 kg

SUNX-150



WEIGHT: 33 kg

OPTICAL PARAMETERS

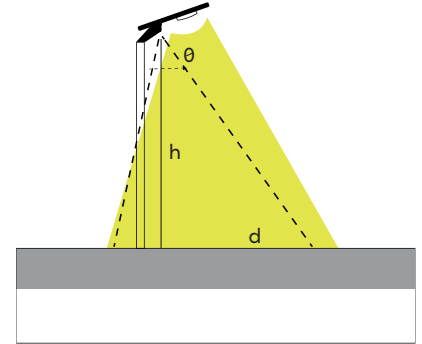
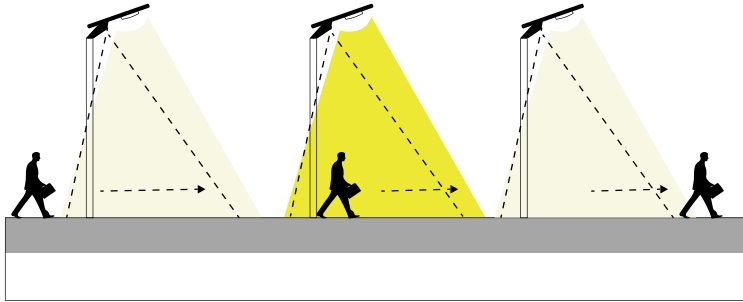


AVERAGE BEAM ANGLE (50%): 68.6°

Microwave Sensor

Motion detector designed based on the Doppler effect principle. It detects if the object's position moves without contact and then triggers the corresponding switch operation.

It has great capacity to resist radio frequency interference and is not affected by temperature, humidity, light, airflow, dust, etc.



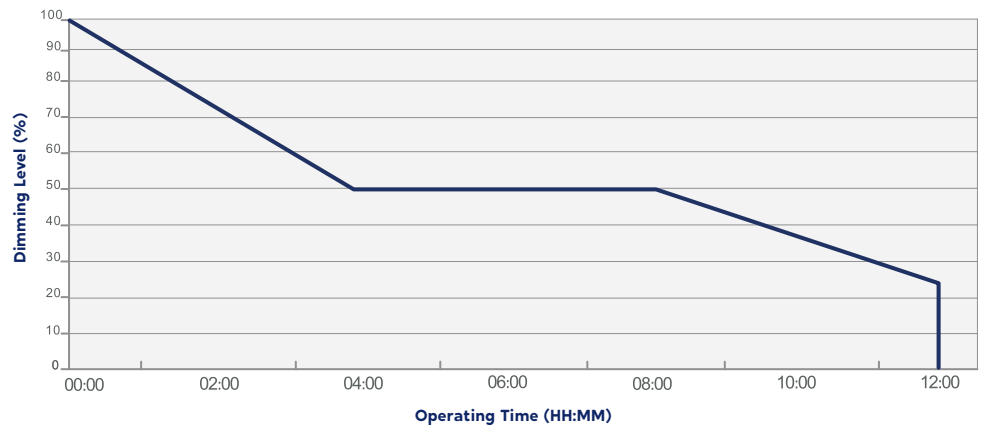
RANGES	ANGLE (θ)	HEIGHT (h)	WIDTH (d)
SENSOR	65 °	8m	10m

OPERATING MODES

Sensor (optional) + general light control

The luminaire operates with solar energy and provides an adaptable dimming profile so that the constant output current level works for up to 12 consecutive hours.

The light will remain on for 12 hours every day. In the first four hours, the power gradually decreases. In the second four hours, the power remains at 50%, and in the third hour, the power remains at 25%.



Remote Control

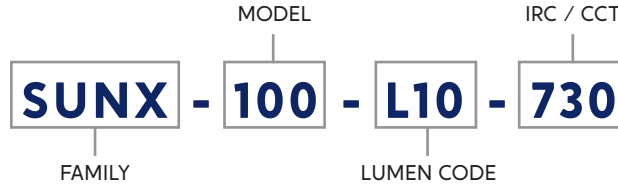
1. Sensor mode
2. Non-sensor mode
3. Combination of mode 1 and 2

TECHNICAL DATA SHEET

3000 K and 6500 K

FAMILY	MODEL	LUMEN CODE	CRI	LUMINOUS FLUX	VOLTAGE	WATTS	EFFICACY
SUNX	40	L06	≥70	6,800 lm	18 V	40 W	180lm/W
SUNX	50	L08	≥70	8,500 lm	18 V	50 W	180lm/W
SUNX	60	L10	≥70	10,200 lm	18 V	60 W	180lm/W
SUNX	80	L13	≥70	13,600 lm	18 V	80 W	180lm/W
SUNX	100	L17	≥70	17,000 lm	36 V	100 W	180lm/W
SUNX	120	L20	≥70	20,400 lm	36 V	120 W	180lm/W
SUNX	150	L25	≥70	25,500 lm	36 V	150 W	180lm/W

Example Order:



Series to Order:

SUNX

FAMILY	MODEL	LUMEN CODE	IRC / CCT
SUNX: serie	40: 40W	L06: ≥6,800 lm	730: 70 IRC / 3000 K 765: 70 IRC / 6500 K
	50: 50W	L08: ≥8,500 lm	
	60: 60W	L10: ≥10,200 lm	
	80: 80W	L13: ≥13,600 lm	
	100: 100W	L17: ≥17,000 lm	
	120: 120W	L20: ≥20,400 lm	
	150: 150W	L25: ≥25,500 lm	
			Note: The product 730 is available upon request.

XOLUTION



SUPRA guarantees the quality of this product for 10 years against internal functionality failures, as long as our established warranty policies are followed. This warranty applies to all our direct customers. For more information, visit our website: <https://supralighting.com/resources/terms#>

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Las imágenes así como la información contenida en este documento pueden sufrir cambios. Consulte a su Asesor SUPRA antes de realizar su pedido.
* Garantía extendida para la batería.

Rev04: 06/2024