



URBAN & SOLAR
SOLAR AIO
SERIES

Made with single-sided monocrystalline solar panels, this **100% autonomous LED fixture** is designed to recharge using sunlight directly or even through cloudy conditions. This system allows it to illuminate for a range of 5 to 7 days, even on rainy days. Featuring anti-theft technology, it is ideal for locations without available electricity, such as parking lots.

CERTIFICATIONS



TECHNICAL DATA

AVAILABLE MODELS

LAMP HEAD	30W	40W	60W	80W	100W	120W
LED Chip	140pcs		280pcs		280pcs (5050)	
Luminous flux	140pcs	140pcs	140pcs	140pcs	140pcs	140pcs
Beam angle	Type II					
Lifespan	100,000 hours					
IP Rating	IP65					
Working temperature	-20°C~60°C (Charge above 0°C)					
CCT	6000K					
CRI	> 80					

SOLAR PANEL

Power	60W/5V	60W/5V	90W/18V	110W/18V	110W/18V	160W/18V
Voltage	5V		18V			
Solar Cell Efficiency	19%-22%					
Material	Monocrystalline silicon					

BATTERY

Capacity	144WH/45AH	240WH/75AH	384WH/120AH	576WH/180AH	640WH/200AH	960WH/300AH
Lighting time (full charged)	5-7 rainy days					
Lithium battery	LiFePO4					

COMMON APPLICATIONS

- CARPORTS/GARAGES
- PARKING LOTS
- DRIVEWAYS
- LOADING DOCKS
- SECURITY LIGHTING
- WAREHOUSES AND STORAGE FACILITIES
- APARTMENT COMPLEXES
- HOTELS
- OFFICES

Perfect for locations where the cost of trenching for electrical wiring makes traditional lighting impossible.

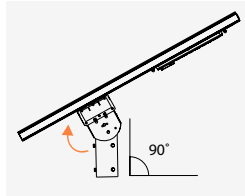


FUNCTIONS



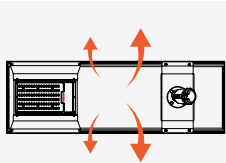
INTEGRATED MOTION SENSOR

Equipped with a high-sensitivity motion sensor, our luminaire detects the presence of people or vehicles, automatically adjusting light intensity. This optimizes energy consumption and extends the product's lifespan, ensuring illumination only when needed.



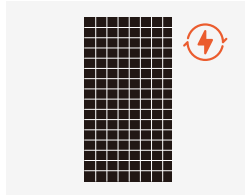
ADJUSTABLE ANGLE

Designed for maximum versatility, the lamp head can be adjusted up to 180 degrees. This feature allows precise light direction, adapting to different environments and lighting needs to efficiently cover specific areas.



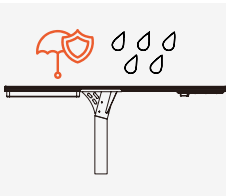
HOLLOW STRUCTURE FOR VENTILATION

The innovative hollow housing design significantly improves heat dissipation. By allowing constant airflow, it prevents internal component overheating, ensuring stable performance and greater durability of the electronic system and batteries.



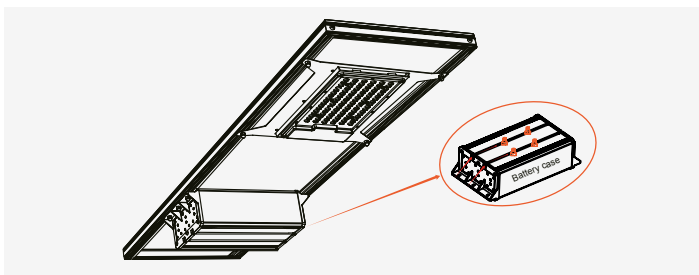
MONOCRYSTALLINE SOLAR PANEL

It features a next-generation monocrystalline solar panel known for its superior energy conversion efficiency. This panel effectively captures sunlight, even under low-light conditions, ensuring optimal battery charging and a consistent power supply.



IP65 WATERPROOF DESIGN

With an IP65 rating, our luminaire is fully protected against dust and high-pressure water jets. Its robust construction guarantees flawless outdoor performance, effectively resisting rain, humidity, and other harsh weather conditions.

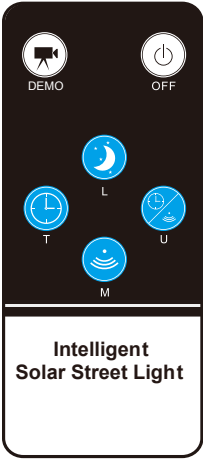


LiFePo4 BATTERY

It features a lithium iron phosphate (LiFePo4) battery, the most advanced technology for autonomous solar lighting. Unlike conventional lithium batteries, LiFePo4 supports over 2,000 charge and discharge cycles, ensuring years of operation without the need for replacement.

Additionally, it is chemically much more stable, eliminating the risk of overheating or explosion, even under intense sunlight. On top of that, it maintains a stable voltage during discharge, resulting in bright and uniform illumination throughout the night.


OPERATING MODES





Remote Control


The remote control for the Jungo Lighting Solar AIO luminaire offers intuitive and versatile operation, allowing the user to easily configure the luminaire's behavior. With this device, it's possible to select from **four preset working modes**, adapting the operation to the specific needs of each location.


Once the desired mode is selected, the configuration is saved in the luminaire's internal memory, ensuring autonomous and continuous operation day after day—without needing to use the remote control again.


 **DEMO:** Turns on the luminaire for 1 minute to test its operation.

 **OFF:** Completely turns off the luminaire.

 **MODE L:** Activates operation mode L.

 **MODE T:** Activates operation mode T.

 **MODE U:** Activates operation mode U.

 **MODE M:** Activates operation mode M.

OPERATING MODES – 30/40W MODELS

MODEL



At dusk, the luminaire turns on at 100% power for 2 hours.



The luminaire then dims to 60% power for 2 hours.



The luminaire lowers and remains at 20% power.



The luminaire turns off completely at dawn.

MODE T



At dusk, the luminaire turns on at 100% power for 3 hours.



The luminaire then dims to 50% power for 3 hours.



The luminaire lowers and remains at 30% power for an additional 2 hours.



The luminaire turns off completely at the end of the cycle.

MODE M



At dusk, the luminaire turns on and remains at 20% power.



The luminaire increases to 100% power upon detecting motion.



The luminaire returns to 20% power after 20 seconds of inactivity.



The luminaire turns off completely at dawn.

MODE U



At dusk, the luminaire turns on at 100% power for 3 hours.



The luminaire then dims to 50% power for 3 hours.



The luminaire turns off completely at the end of the cycle.

OPERATING MODES – MODELS 60/80/100/120W

MODEL



At dusk, the luminaire turns on at 100% power for 2 hours.



The luminaire then dims to 70% power for 2 hours.



The luminaire lowers and remains at 30% power.



The luminaire turns off completely at dawn.

MODE T



At dusk, the luminaire turns on at 100% power for 1 hour.



The luminaire then dims to 70% power for 2 hours.



The luminaire lowers and remains at 40% power for an additional 3 hours.



The luminaire turns off completely at the end of the cycle.

MODE M



At dusk, the luminaire turns on at 50% power for 1 hour.



The luminaire increases to 100% power for 3 hours.



The luminaire then dims to 30% power for 3 hours.



The luminaire turns off completely at dawn.

MODE U



At dusk, the luminaire turns on at 100% power for 1 hour.



The luminaire lowers to 20% power after 20 seconds of inactivity.






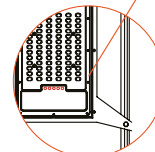
The luminaire increases to 50% power upon detecting motion.



The luminaire turns off completely at the end of the cycle.

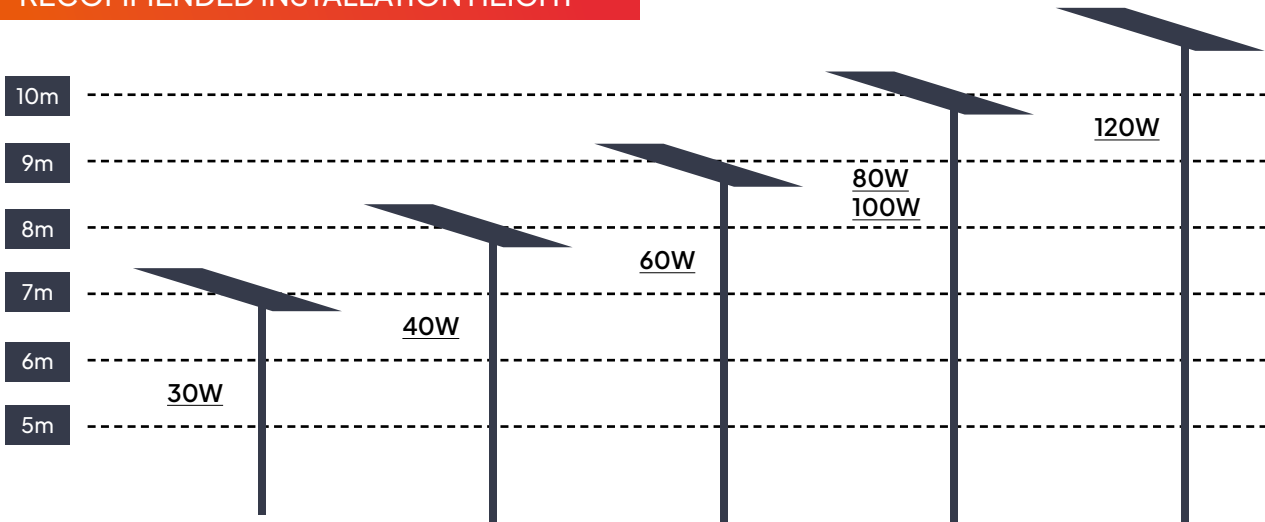
LED INDICATORS

	● Blue	Charging indicator	Stays on	The luminaire is charging
			Stays off	The luminaire is fully charged
	● Red	Battery Indicator	On	Battery operating normally
			Off	Battery disconnected / no power
			Fast flashing	Battery discharged
			Slow flashing	Battery fully charged
	● Green	Power Consumption Indicator	Stays on	Power consumption is active
			Stays off	No power consumption



LED indicators

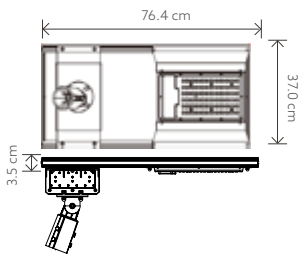
RECOMMENDED INSTALLATION HEIGHT



DIMENSIONS

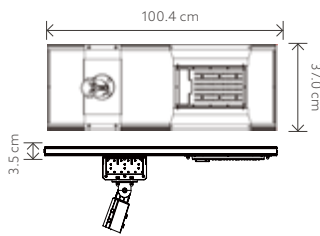
30W

17.5 kg



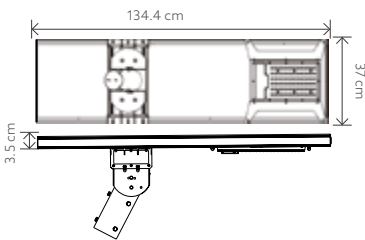
40W

17.5 kg



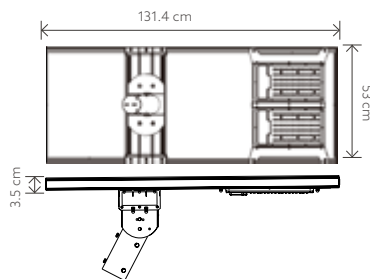
60W

17.5 kg



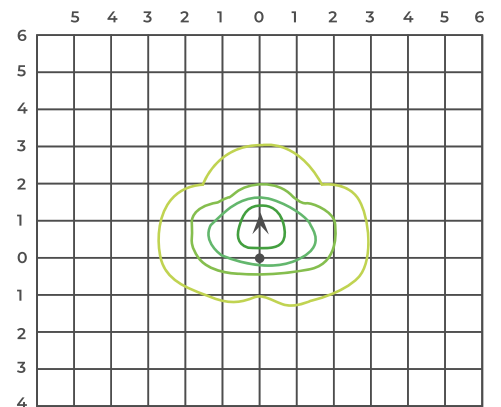
80W, 100W, 120W

17.5 kg



PHOTOMETRIC DISTRIBUTION

Type II



■ 20 LUX ■ 5 LUX ■ 1 LUX
■ 10 LUX ■ 1 LUX

Distancia en unidades de la altura de montaje (9M)

ORDERING GUIDE

1 Series

SAIO

2 Model

30W	6,000 lumens
40W	8,000 lumens
60W	12,000 lumens
80W	16,000 lumens
100W	20,000 lumens
120W	24,000 lumens

Code example:

1 Series
 |
SAIO 100W
 |
 2 Model