



SUNEL
ALL IN ONE



SUSTAINABLE SOLUTIONS

DATASHEET
ALL IN ONE

Whether you need to light a new construction or want to modernize an existing space, solar lighting is the smartest and most economical solution because they are completely autonomous systems. Energy from the sun is absorbed during the day, converting it into light at night without the need for the use of the electrical network.

Solar lighting systems offer a sustainable, easy to install, and modern solution for your projects and savings in your electricity consumption.

SupraSolar lighting systems are ideal for:

- New construction.
- Environmentally responsible companies.
- Locations with limited access to the electrical grid.
- Renovating old, insufficient, or inefficient lighting.
- LEED and ISO certifications.
- Areas where wiring theft is a primary concern.
- Reducing electricity consumption and costs.
- Carbon footprint reduction.

Comprehensive Benefits:



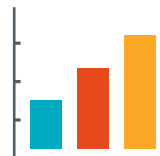
Clean
energy



Significant
savings



Stable
power



Sustainable
development





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SUNEL40



SUNEL60



SUNEL80



SUNEL120

Warranty:

5 year warranty. Provided that the specifications in the product installation manual have been followed.

Applications:

- Exteriors
- Roads
- Green areas
- Open parking

Certifications:



Material:

Built to last with durable die-cast aluminum construction and energy efficient monocrystalline solar panels.

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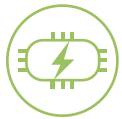
Our all-in-one pole top luminaire features a built-in photovoltaic system, photocell, and adjustable angle arm – making it both efficient and flexible.



Motion sensor.



Dust-tight equipment and protected against powerful water jets.



Aluminum casing.



3 days of autonomy.



Easy installation and no maintenance.



Energy saving and low CO2 emissions.



Strong and elegant structure, easy to install (pole and attachment included).



All in one (battery, solar module, and LEDs).



High efficiency LEDs and new generation solar panels.



Motion sensor.

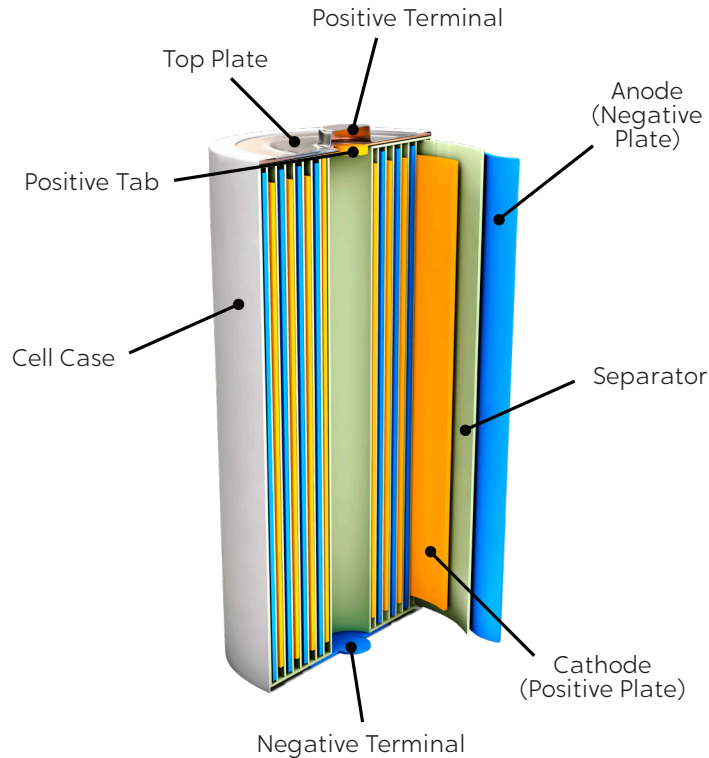


Durable, high efficiency lithium battery.



BATTERY

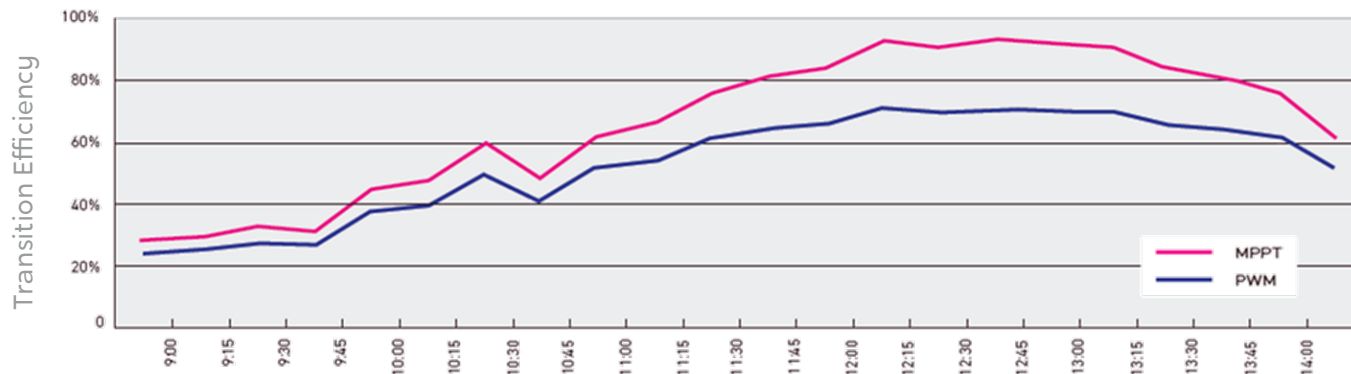
Lithium ion battery structure.



An intelligent lighting system with a state-of-the-art battery that provides the perfect balance between energy efficiency and performance. Enjoy automated dimming, on/off settings, and superior energy savings.

Charging Technology:

Equipped with an MPPT controller to maximize efficiency and versatility, our luminaire provides you with a power gain of 20 - 45% in the winter and 10 - 15% in the summer.

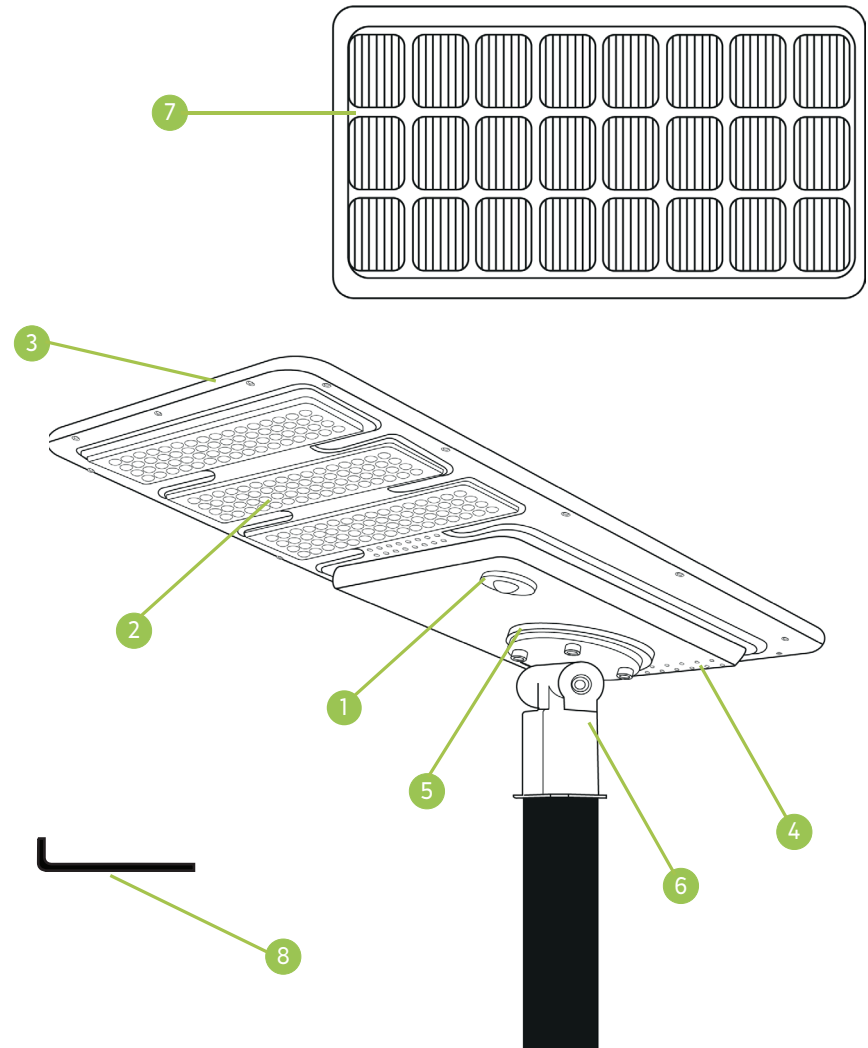


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PARTS AND FUNCTIONS

| No. | ACCESSORY | FUNCTION |
|-----|------------------|-----------------------------|
| 1 | Microwave sensor | Detect movement |
| 2 | Lighting source | Lighting |
| 3 | Material | Aluminum |
| 4 | Heat sink | Dissipate heat |
| 5 | Base | Securing the luminaire |
| 6 | Adjustment arm | Adjust angle of luminaire |
| 7 | Solar panel | Charge the battery |
| 8 | Key | Attach the base to the post |



TECHNICAL SPECIFICATIONS

| Features | SUNEL40 | SUNEL60 | SUNEL80 | SUNEL120 |
|--------------------|--------------|--------------|--------------|--------------|
| POWER | 40 W | 60 W | 80 W | 120 W |
| REAL LUMINOUS FLUX | 6,000 lm | 9,000 lm | 12,000 lm | 18,000 lm |
| SOLAR MODULE POWER | 42 W mono | 56 W mono | 80 W mono | 120 W mono |
| LITHIUM | 346 WH | 460WH | 600 WH | 691.2WH |
| LED COUNT | 70 PCS | 120 PCS | 180 PCS | 240PCS |
| CHARGE MODE | MPPT | MPPT | MPPT | MPPT |
| COLOR TEMPERATURE | 6000 K | 6000 K | 6000 K | 6000 K |
| LIFE SPAN | >50,000 hrs. | >50,000 hrs. | >50,000 hrs. | >50,000 hrs. |

SIMULATED LIGHTING DATA

| Features | SUNEL40 | SUNEL60 | SUNEL80 | SUNEL120 |
|------------------------|----------|----------|-----------|-----------|
| POST HEIGHT (M) | 3-4 | 5-6 | 5-8 | 7-10 |
| INTERPOST DISTANCE (M) | 5-15 | 5-20 | 15-30 | 20-40 |
| ROAD WIDTH (M) | 4-7 | 4-7 | 4-7 | 4-7 |
| LUMENS | 6,000 lm | 9,000 lm | 12,000 lm | 18,000 lm |

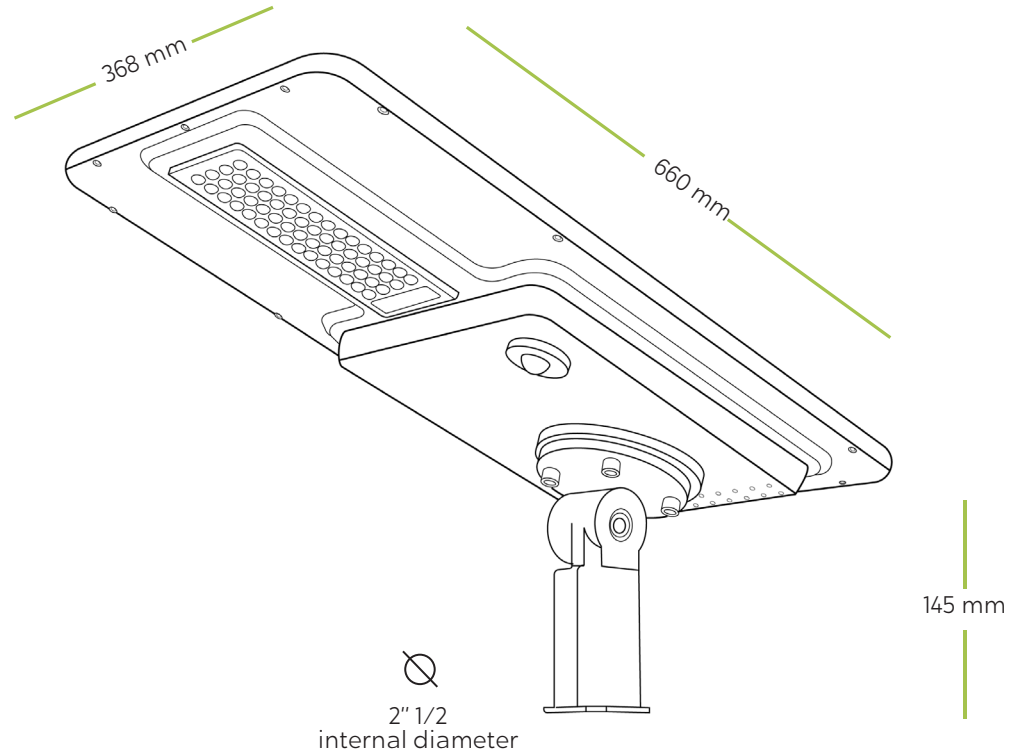


SUNEL40

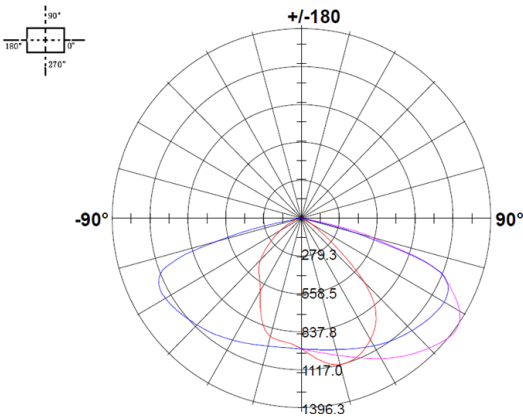
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Dimensions:



Optical Parameters:



- Overall Dimensions: 660*368*145 (mm)
- Internal diameter: 2" 1/2
- Net Weight: 8.1 kg

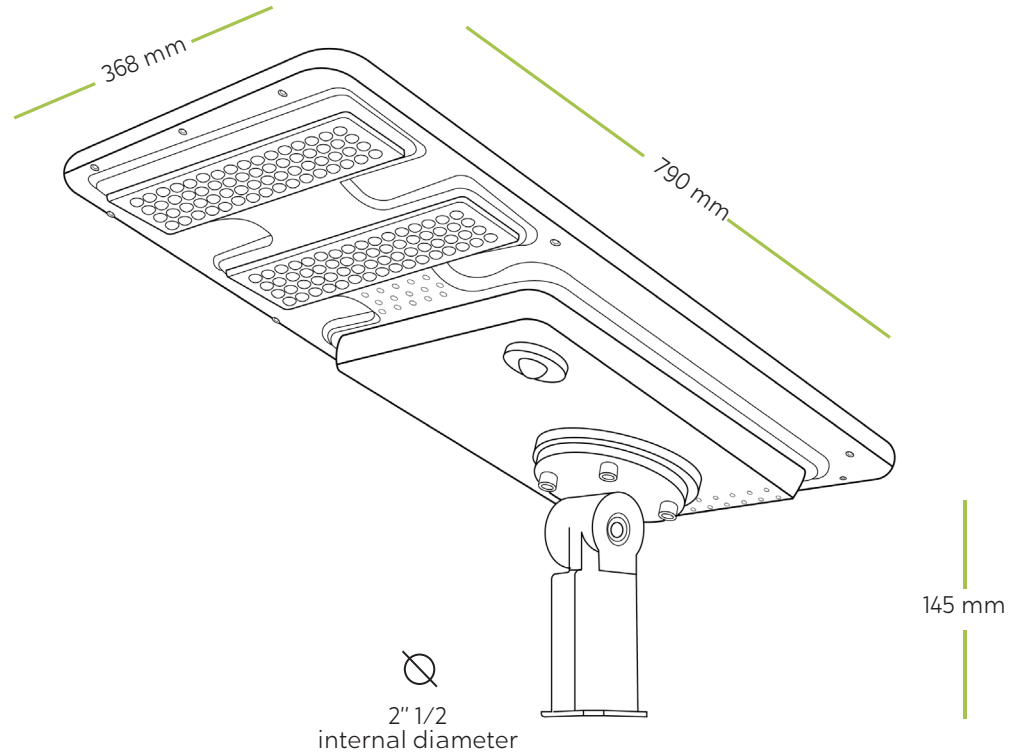


SUNEL60

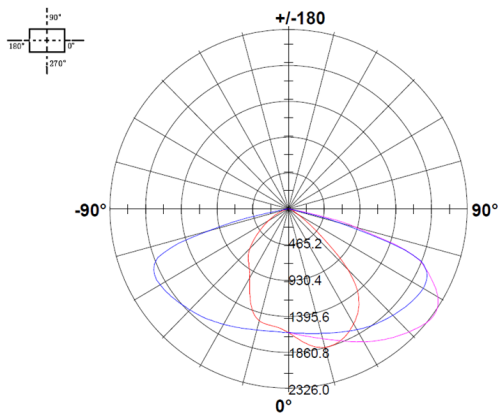
DATASHEET
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Dimensions:



Optical Parameters:



- Overall Dimensions: 790 * 368 * 145 (mm)
- Internal diameter: 2" 1/2
- Net Weight: 9.6 kg

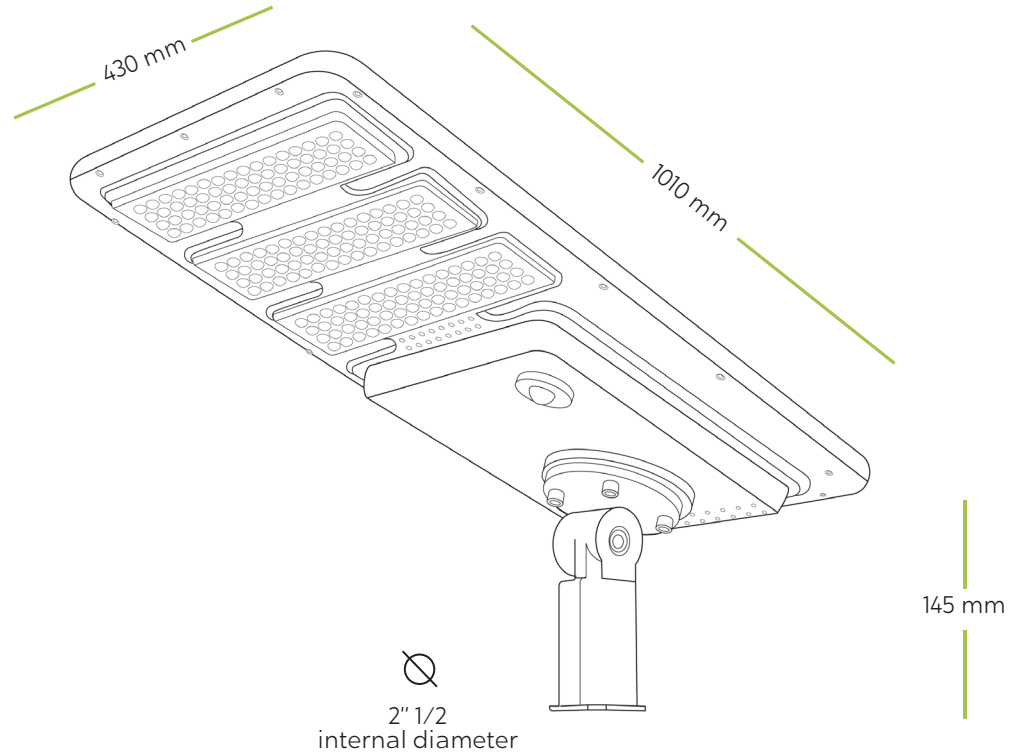


SUNEL80

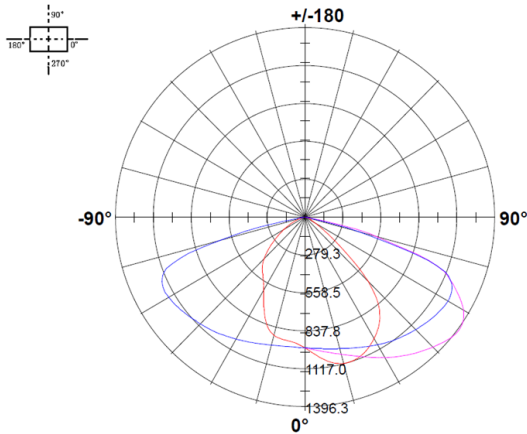
DATASHEET
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Dimensions:



Optical Parameters:



- Overall Dimensions: 1010*430*145 (mm)
- Internal diameter: 2" 1/2
- Net Weight: 13.0 kg

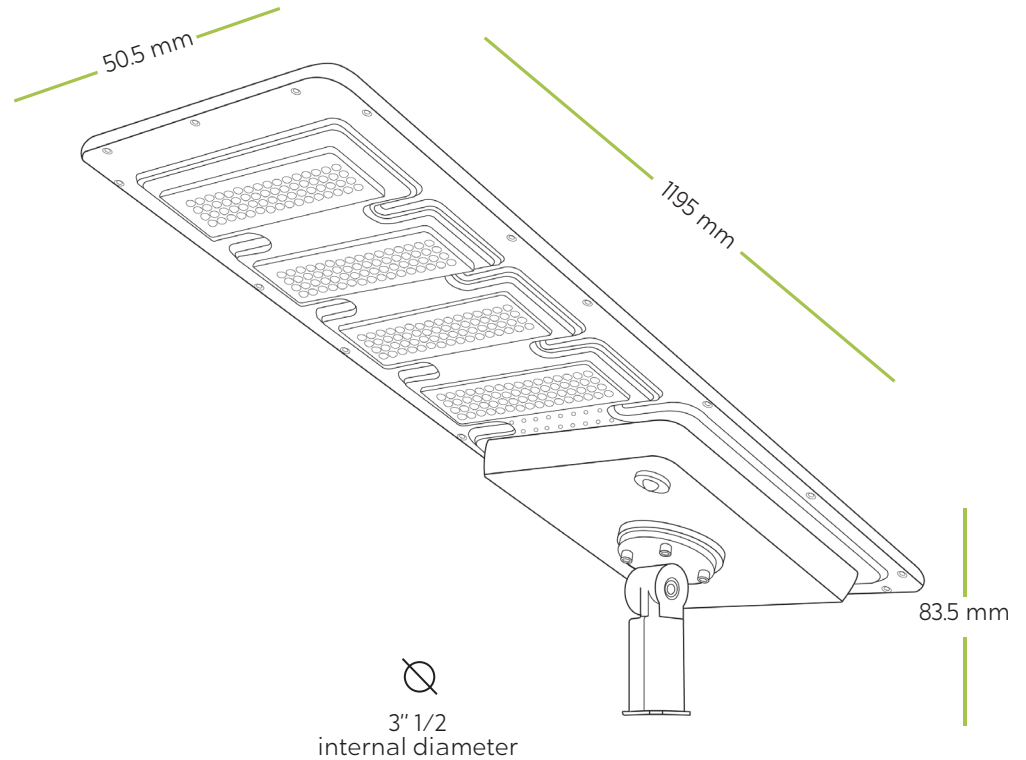


SUNEL120

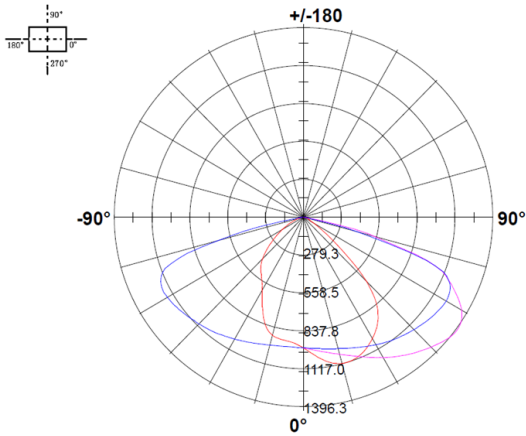
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Dimensions:



Optical Parameters:



- Overall Dimensions: 1195*505*83.5 mm
- Internal diameter: 3" 1/2
- Net Weight: 18.5 kg



Contact

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