

Solaris™ Serie

30w/60w/90w/120w



IP65 | IK05 | CCT 3K-6K

CRI 70 | 110° Beam angle | Lumens up to 100 L/W*

LifePO4 Battery | -0°C~50°C | 60,000

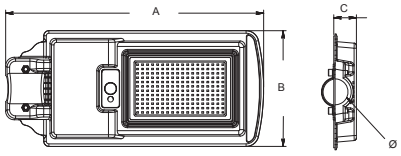
3 YEAR Warranty

The sun comes up every day; that's the definition of renewable energy. Solar street lighting can be used on highways, roadways, rural roads and neighborhood streets to provide additional security to travelers. Dark streets can be a hazard to pedestrians and vehicle travelers alike. Protecting property, people and assets is one of the key jobs of exterior lighting. Security through lighting has been instrumental to deter crime and improve security to the public, business and residential spaces. Solar LED lighting not only offers better visibility, but also security from brownouts and blackouts. The lights are always there when you need them and can adapt to almost any application without additional trenching or added utility costs.

Solaris™ Series "All in One" solar street light was designed to illuminate a wide range of applications for limited budget projects. Turns on when sunlight is ≤ 50 lux, operates @ 100% lumen output, after 18 sec of no motion it turns to 30% lumen output. Its working cycle of 10-12 hours allows to serve efficiently, and recharges in 6-8 hours. *It can operate up to 2 days without full charge. Recommended mounting 4-6m. Solaris™ Series will provide an Irradiation area up to 200m².

LED solar lights require very little maintenance and are easier to install than their wired counterparts. Underground wiring, on-site transformers and electrical enclosures are typically more costly than installing new solar lights. LED technology means that the lamps require fewer replacements, can be controlled and provide significant energy savings over traditional lamps. Solar means there is no electric bill...ever.

Dimensions (mm)



Model	A	B	C	Ø
30w	371	171	44.5	38
60w	412	203	44.5	48
90w	508	228	44.5	48
120w	641	248	45.0	48

Suitable for pole 38mm / 48mm

Bracket:

30w = Ø38 x 360mm

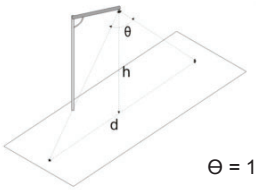
60w-120w = Ø48 x 360mm



Specifications

Nominal Power	30w	60w	90w	120w
Working Power	10w	20w	40w	50w
Fixture (lumens)	1000	2000	4000	5000
Solar Panel	6w	7.5w	14w	17.5w
Battery	4AH	8AH	15AH	20AH
Voltage	3.2v	3.2v	3.2v	3.2v
Charging time	6-8 Hrs	6-8 Hrs	6-8 Hrs	6-8 Hrs
Cloudy days	1-2	1-2	1-2	1-2
Working hours	10-12 Hrs	10-12 Hrs	10-12 Hrs	10-12 Hrs

Sensor Range



Θ = 100° H = 6-8m D = 6m

Ordering information

Item	Watts	Lumens
AL770030	30w	1000
AL770031	60w	2000
AL770032	90w	4000
AL770033	120w	5000
Bracket		
AL770034	30w	
AL770035	60w-120w	

Options	
Blank	6000K
5	5000K
4	4000K
3	3000K

Components Lifetime

Solar Panel	3 years
Battery	2000 cycles / 3 Years
LED Chip	60,000 hours

Ensure battery is fully charged every six months to prevent degradation.

Notes

- Lumens:
  6000K = 100 lxw
  5000K = 97 lxw
  4000K = 94 lxw
  3000K = 90 lxw
- * Based on working power
- Lumens tolerance 10%
- Solar Panel = IK03
- Battery:Lithium phosphate / LifePO4
- Microwave Motion Sensor: 5.8G
- Housing: ABS
- Lens: PC
- Remote control included
- Remote Functions with Sensor:
  1. At Sunset 10% / motion = 100% (Auto & L Mode,18 sec)
  2. At Sunset 30% / motion = 100% (H Mode,18 sec)
  3. At Sunset 20% / motion = 100% (M Mode 18 sec)
- Remote Functions with sensor disabled:
  Dim: On at 40% for first half hour, 20% next 2.5 hours,10% output until battery low
  Full: On at 100% until battery is low
  Partial: On at 20% until battery is low

Packing information

With Bracket

Model	CBM (Master)	Pieces/master	Box Dimensions (cm)	Gross weight (Kg)
30w	0.0732	6	53 x 42.5 x 32.5	13.8
60w	0.0700	5	45 x 44.5 x 35	13.5
90w	0.0897	5	54.5 x 44.5 x 37	16
120w	0.0954	4	68 x 36 x 39	16

Without Bracket

Model	CBM (Master)	Pieces/master	Box Dimensions (cm)	Gross weight (Kg)
30w	0.0406	6	44 x 42 x 22	13.8
60w	0.0416	5	45 x 37 x 25	7.7
90w	0.0544	5	54.5 x 37 x 27	10.4
120w	0.0601	4	68 x 30 x 29.5	11.3