

ECLIPSE SOLAR LED DOWNLIGHTERS



Wattage	Luminous Flux	Courtesy Lumen Output	Detection Radius (approx)	Integral Solar Panel	LED Colour	Order Code
6W	400 lm	35 lm	4m	4W 11.5V	5700K	LHT2001
12W	900 lm	70 lm	4m	5.5W 12V	5700K	LHT2002
24W	1600 lm	120 lm	4m	6.5W 12V	5700K	LHT2003
36W	2300 lm	180 lm	4m	10W 17.5V	5700K	LHT2004

- Uses renewable and free solar power
- Battery management system to deliver efficient operation
- Courtesy light activated all night
- Full output PIR movement activated
- Mounting clamps and bolts supplied
- Pole not supplied
- If orientation for charging is limited, use secondary plug-in panel included

Lamp Information

Model	Beam Spread	Secondary Solar Panel	Battery (Lithium-Ion)	Max. Run Time* (20 x Triggers)	Max. Run Time* (No x Triggers)
6W	100°	6W 13V	2200mAh @ 7.4V	7 hrs	10 hrs
12W	100°	6W 13V	2200mAh @ 7.4V	7 hrs	11 hrs
24W	100°	6W 13V	4400mAh @ 7.4V	7 hrs	11 hrs
36W	100°	6W 18V	4400mAh @ 11.1V	7 hrs	10 hrs

* 8 hour charging/single panel. Times are based on fully charged batteries. Insufficient sunshine hours may reduce run time.

General Information

Model	Dimensions H x W (mm)	Weight	Housing	Mounting	Installation Height (m)	Battery Charging Temp Range	Battery Discharging Temp Range	IP Rating	Warranty
6W	290 x 200	1.6 kg	Powdercoat aluminium with 304 stainless steel fixings	Wall or Pole (60-90mm dia)	4	0-80°C	-20°C - 60°C	IPX5	3 years
12W	290 x 200	1.9 kg			4				
24W	390 x 200	2.1 kg			5				
36W	500 x 200	2.7 kg			6				

Power Management Control

To maximise duration of night operation, regardless of sunlight hours charging, digital control determines the battery charge level and adjusts the power output accordingly.

Battery Condition 100%
 Operates on 8% Courtesy Light from Dusk to Dawn
 Operates on 100% Max Light for 60 secs after PIR detection

Battery Condition 60%
 Operates on 8% Courtesy Light from Dusk to Dawn
 Operates on 100% Max Light for 30 secs after PIR detection

Battery Condition 35%
 No Courtesy Light function
 Operates on 100% Max Light for 30 secs after PIR detection