

LEDSOLAR-FL30 • LEDSOLAR-FL30-PIR

SOLAR LED FLOOD LIGHT KITS – 30W

These solar flood light kits are the ultimate solution for off grid lighting requirements. The 120lm/W LED output ensures optimum performance and longevity.

The kits comes with pre-programmed solar controller and Lithium batteries integrated into the 80W solar panel. Panel comes complete with adjustable and adaptable mounting bracket to allow easy mounting to poles, walls, fences etc.

The PIR sensor model has an in built sensor within the LED luminaire. This option is perfect for security lighting and for 'lighting on demand' requirements (which also prolongs battery life).

Kits are 'plug and play' requiring no electrical experience for installation and come complete with setup tools and pole mount kit.

No adjustable settings. **Light is on from dusk till dawn** on pre-programmed dimming pattern or dims down by PIR sensor*.

*PIR model only



- Pole not included



Pole & Wall Mount options, please advise at time of enquiry. Pole not included in kit.






TECHNICAL SPECIFICATIONS

LEDSOLAR-FL30	- Pre-programmed dimming function	
LEDSOLAR-FL30-PIR	- PIR sensor with pre-programmed dimming	
Solar Panel Watts	80W	
LED Floodlight Watts	30W	
Fixture Lumens	3600lm	
LED Lighting Efficiency	120lm/W	
LED Chip Brand	Philips LUXEON	
Colour Temperature	6000K	
Colour Rendering (Ra)	>70	
Beam Angle	120° Wide	
IP Rating	IP65	
Ambient Temperature	-20°C to +60°C	
Battery	24 AH Lithium Life PO4, 12.8V	
Solar Panel	18V / 80W	
Solar Controller	IP68 Smart Controller with pre-programmed dimming function	
Working Time	20 hours / day (with pre-programmed operation and / or PIR sensor)	
Pre-programmed Settings	STD	5hrs at full brightness (dusk + 5hrs) 4hrs at 60% light output 3hrs back at full brightness (until dawn)
	PIR	On at dusk at 50% light level, off at dawn 5min at 100% light level when motion detected
PIR Sensor Detection Range	6-12m (depending on mounting height & orientation of luminaire sensor)	
Mounting Height	3-7m	
Warranty	2yrs	

LIFEPO4 BATTERIES



Electronic Algorithm protection and battery management system for use of the battery capacity

LIFEPO4	VS	LI ION
Over 2000 cycles		Over 500 cycles
No Risk of Explosion		Very High Explosion Risk in High Temperature
-10 to 75 Degree		0 to 45 Degree
Over 10 Years		24 to 32 Months
		50% Cheaper than LifePO4

MPPT SMART CONTROLLER

MPPT (Maximum Power Point Tracking) controller. This unit automatically tracks the maximum power point according to variation in the weather with a charging rate between 16-30%.

Features

- MPPT
- Auto sensing of day/ Night
- 4 set level dimming control
- 97% Charging Efficiency
- Waterproof IP68



LUXEON LED

High performance Luxeon 120lm/W Combined with heat dissipation design, pure aluminum lamp base with weather sealed lens for optimal lighting and lifespan.



LUXEON
BY PHILIPS LUMILEDS

TECHNICAL & DIMENSIONS

Solar Panel	740mm (W) x 670mm (H) x 27mm (D) Comes with on/off switch on rear and cable connection between solar panel and batteries
FL30 LED Luminaire FL30-PIR LED Luminaire	265mm (W) x 200mm (H) x 27mm (D) 226mm (W) x 345mm (H) x 85mm (D)
LED Luminaire Bracket	Adjustable stirrup bracket, 70mm hole centres Kit comes with SS strap to mount Luminaire bracket to pole
Solar Panel Bracket	400mm length bracket with adjustable tilt +/- 15° of panel, pole mount kit designed for Max 105mm diameter rounded pole. Comes complete pole mount kit. Wall mount plate comes with 4 pre-drilled holes for easy installation
Cabling	1.5m cable between solar panel and luminaire. Complete with IP rated plug connectors
Total Kit Weight	16kg

KIT COMPONENTS

