

PATHFINDER SOLAR LED Area Light



Key Features

- Lightweight and easy installation
- Intelligent programming
- Built in PIR and timer dimming function
- 3 days continuous lighting on 8 hours charge
- Built-in remote control function
- Optimal lensing
- 76mm Spigot mount as standard and wall mount bracket option
- Remote control sold separately

PATHFINDER SOLAR SPECIFICATION

Model Number	PFS-4000
Battery	LiFePO4 Battery
Battery Capacity	156Wh
Solar Panels	Mono-Crystalline Solar Panel
Solar Panel Wattage	20W
Charging Time	>6hrs
Operating Time	Full power >8hrs, Intelligent mode 3-4 days
Working Mode	Refer to intelligent control mode
Control	Timer dimming/PIR sensor
Power Consumption $\pm 5\%$	20W

OPTIC INFORMATION

LED Type	LED 2835
Luminous Flux ($\pm 10\%$)	4000lm
Efficacy (4000K Ra70)	200lm/W
Correlated Colour Temp	4000K
Colour Rendering Index	Ra70 (Ra80 optional)
Beam Angle	R10801
UGR Level	n/a

DIMENSIONS AND MOUNT

Product Dimension	807x301x148mm (side entry)
Luminaire Net Weight	5.7 $\pm$ 0.3kg
Export Carton Size	750x370x195mm
Gross Weight	7.9 $\pm$ 0.3kg
Mounting Options	Post top/Side entry/ 76mm Spigot mount option available Pole clamp bracket/Wall mount optional extra
Material	Aluminium Alloy Polycarbonate optical lens LiFePO4 Battery Mono-crystalline solar panel
Finish	Powder Coating
Fixture Colour	Silver
EPA	2.56ft ²
IP Rating	IP65

LIFESPAN & WARRANTY

Lamp Operating Temperature	-10°C ~ +45°C
Battery Operating Temperature (Charge)	0°C ~ +45°C
Battery Operating Temperature (Discharge)	-20°C ~ +60°C
Lifetime of LED @Ta=25°C	31000hrs-L90, 64000hrs-L80, 101000hrs-L70
Warranty	3 years

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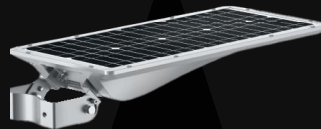
Mounting Options



Side Entry



Post Top

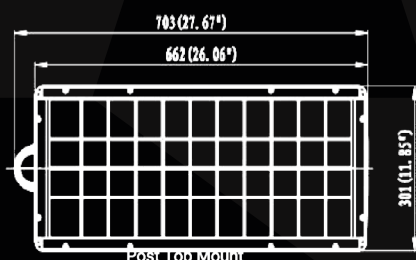
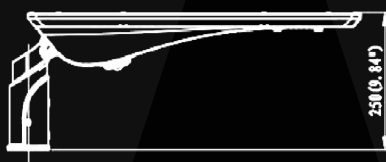


Wall Mount (available as an optional extra)

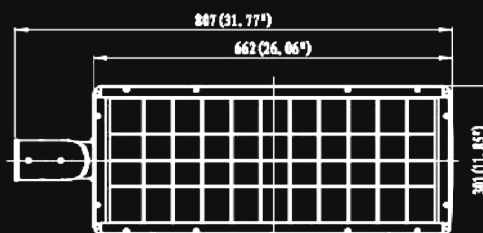


Pole clamp bracket (available as an optional extra)

Mechanical Diagrams



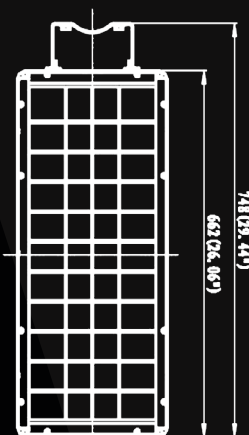
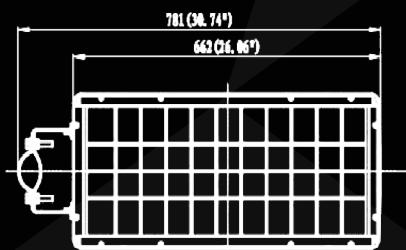
Post Top Mount



Side Entry Mount



Pole Clamp Bracket Mount



Wall Mount



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Testing & Certification

The PATHFINDER SOLAR LED Area Light has been extensively tested to the following criteria:-

International Protection (IP) Rating

IEC 60529, sometimes interpreted as Ingress Protection Marking, classifies and rates the degree of protection provided against intrusion (body parts such as hands and fingers), dust, accidental contact, and water by mechanical casings and electrical enclosures. It is published by the International Electrotechnical Commission (IEC). The equivalent European standard is EN 60529.

Impact Protection Rating

The European standard EN 62262 – the equivalent of international standard IEC 62262 (2002) – relates to IK ratings. This is an international numeric classification for the degrees of protection provided by enclosures for electrical equipment against external mechanical impacts. It provides a means of specifying the capacity of an enclosure to protect its contents from external impacts.

CE Certificate of Conformity

CE marking is a certification mark that indicates conformity with health, safety, and environmental protection standards for products sold within the European Economic Area (EEA). This also includes EMI, EMS, Low Voltage Directive and Energy Related Products Directive.

ECA compliance Certificate

Photometric Reports

Copies of these certificates and reports are available upon request.