

Product Description:

The SOLAR-X4 series is AGL's 4th generation solar powered LED fixture with improved battery and solar panels. The built-in MPPT technology helps optimize sunlight consumption for quick charging and the EMS energy management system ensures steady backup for overcast/rainy days. The SOLAR-X4 series is IP65 rated and passes 16 grade windproof test. This fixture also comes standard with a PIR Motion & Daylight sensor.



SOLAR-X4-180W

Features:

- **Housing:** 6063 Stretch Aluminum / Bracket: DC12 Die- Casting Aluminum
- **Mounting:** Extra Battery: Steel Pole Mount (2.36"/60 mm)
- **Warranty:** 3 Years
- **Battery Life:** 8 years
- **LED Source:** 5050
- **Operating Temp:** -4°F ~+ 140°F



Technical Data:

Certifications	CE
CRI	≥ 75
IP Rating	IP65
CCT	4000K-5700K
Beam Angle	TYPE III or Type IV
Charging Time	7-9 hrs
Daylight Sensor	Auto Turn-On when the light levels are below 10 lux. Auto Turn-Off when light levels are above 50 lux.
DIM Mode (Default Setting)	First 3 hrs: full brightness Last 9 hrs in DIM mode: * 60% brightness when motion is detected * 30% brightness when no motion is detected
Working Time	At full charge, the battery can last 36 hours at the default DIM settings (or 18 hours if at full 100% brightness continuously)

Outdoor Conditional Illumination Chart

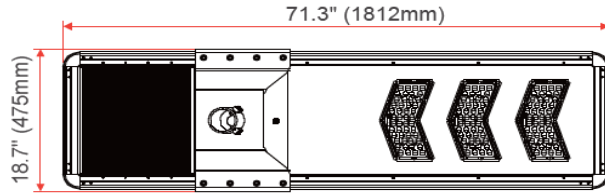
Conditions	footcandles	lux
Sunlight	10,000	107,527
Full Daylight	1,000	10,752
Overcast Day	100	1,075
Very Dark Day	10	107
Twilight	1	10
Deep Twilight	0.1	1.08
Full Moon	0.01	0.108
Quarter Moon	0.001	0.0108
Starlight	0.0001	0.0011
Overcast Night	0.00001	0.0001

Specifications:

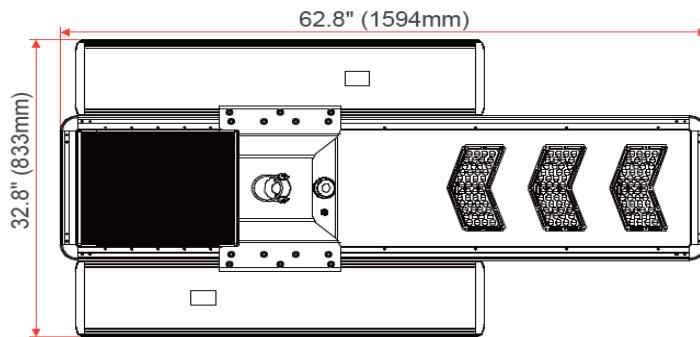
Fixture Model	Total Lumens	EPA (sq / ft)	Battery Work Hours	Dimensions (inches)	Weight (lbs)	Installation Height (ft)
SOLAR-X4-160W	18,000 lm	10.87	1280 WH	71.3 x 18.7 x 6.25	79.2	29-39
SOLAR-X4-180W	20,000 lm	13.91	1228.8 WH	62.8 x 32.8 x 6.25	83.6	

Dimensions:

SOLAR-X4-160W

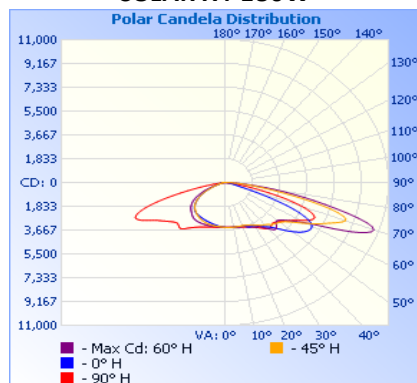


SOLAR-X4-180W



Photometrics:

SOLAR-X4-180W



Illuminance at a Distance			
	Center Beam fc	Beam Width	
9.7ft	36.6 fc	11.8 ft	43.9 ft
19.3ft	9.24 fc	23.4 ft	87.3 ft
29.0ft	4.09 fc	35.1 ft	131.2 ft
38.7ft	2.30 fc	46.9 ft	175.0 ft
48.3ft	1.48 fc	58.5 ft	218.4 ft
58.0ft	1.02 fc	70.3 ft	262.3 ft

■ Vert. Spread: 62.4°
■ Horiz. Spread: 132.3°

Ordering Guide:

SOLAR-X4-180W	GR	Pole	T3	50K	DIM Mode
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Lumens:

160W
180W

Color:

GR: Gray
(RAL #7044)

Mounting:

Pole Mount
(2.36"/60mm
Diameter
Round Pole)

Beam Angle:

T3: Type 3
T4: Type 4

CCT:

40K
50K
57K

Default Setting:

DIM MODE

First 3 hrs: full brightness

Last 9 hrs in DIM mode:

* 60% brightness when motion is detected

* 30% brightness when no motion is detected

The DIM MODE cannot be changed after production. If you require different settings, please let us know at time of order.