



Dark Sky Friendly

The THEMIS solar powered post top light creates wildlife-friendly lighting whilst offering a new and futuristic design.

The colour temperature, the light output and working periods are end-user programmable. The colour temperature can be adjusted between 3000k/4000k and 3000K/6000k. This custom, unique programming will ensure stable continuous illumination through the night, through all seasons.

The MONO solar panel, LiFePO4 battery, and a high-charging efficient 96% MPPT solar charge controller combine to provide an ultra-bright output of 190lm/w, on the lowest power setting. The designed lifetime is up to 10 years, maintenance free.

Developed for our environment, the wildlife friendly version protects native animals from blue-light harm and unwanted glare. With a UWLR of <1% of the lighting distribution, the fitting provides an even lighting performance without light pollution.

The THEMIS is suitable for gardens, parks, pathways, and bicycle lanes to light up anywhere - with the best lighting performance.

FEATURES

Wildlife friendly version available

Lights can be grouped by remote control

2.4G remote signal is strong and sensitive

4H / 6H / 12H option changeable by remote

LED power is changeable at 5 levels to save power

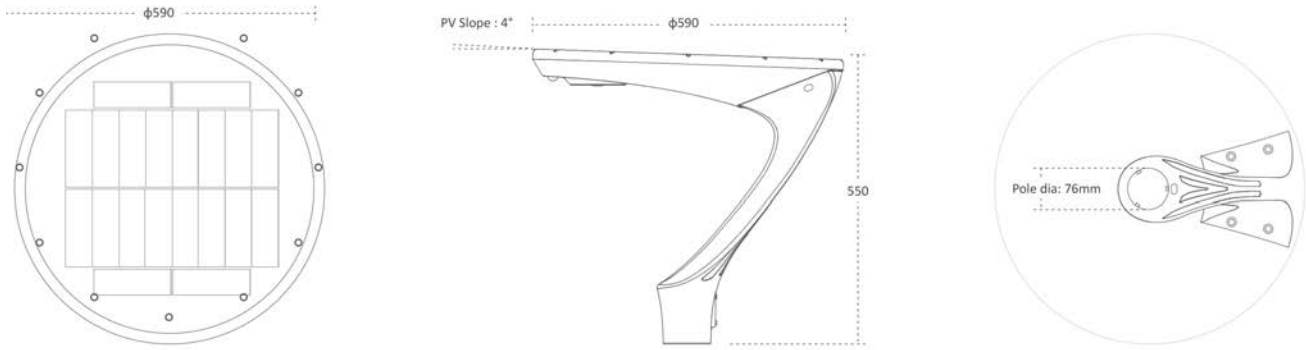
Dual CCT is changeable between 3000K-4000K and 3000K-6000K

6000 cycles brand new LiFePO4 battery pack

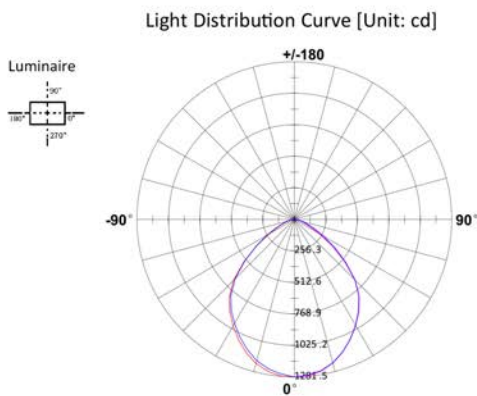
Sensitive PIR motion sensor can be ON/OFF

Dusk to Dawn automatically ON/OFF

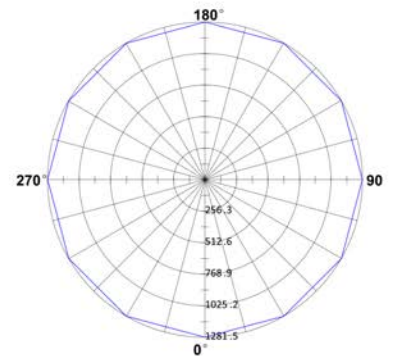
Fixture Dimension (mm)



Lighting Performance



Max Plane Light Distribution Curve [Unit: cd]



Technical Data

Lighting Performance

Item number	THEMIS AI-GL590R
Luminous flux	2,800lm max
Peak LED Power	18W
CRI	>80
LED type	SMD2835 84pcs
CCT range	Dual color 3000K+4000K / 3000K+6000K
LED lifetime	>100,000 hours

LifePO4 Battery

Battery type	Brand new LifePO4 32700 6000mA 3.2V
Battery capacity	154WH 12.8V
Battery lifetime	6000 cycles @ D.O.D 80%
Charge Time	4 hours
Discharge time	>24 hours
Working temp.	-15°C~ 70°C
Battery autonomy	2 - 3 days, 3~5 days in motion detection mode

Solar Panel

Peak Power	38W
Rated Voltage	18V
Cell Type	MONO crystallinesilicion
Cell Efficiency (%)	>22.5%
Lifetime	>20 years
Warranty	5 years

Control System

Control method	Automatic dusk to dawn
Solar charge controller	MPPT controller
Charging efficiency	>97%
Remote type	2.4G radio
Operation distance	<30 meters
Sensor type	PIR motion sensor
Grouping function	Yes
CCT changeable	Yes
LED power changeable	Yes
Time changeable	Yes
Working mode changeable	Yes

Fixture & Packing

Light dimension	590 * H550mm
Materials	Aluminium die casting + Tempered Glass
IP & IK Rate	IP65 IK10
Fixture color	Black RAL9011 / Anthracite grey RAL 7016
Pole diameter to fit	76mm
Package size	62*62*25cm
N.W/Light	11.80KG
G.W/Light	12.60KG
Certificates	CB CE ROHS IP65 LM79 LM80, MSDS UN3.8
Warranty	5 years