

TL-HEAN Solar Garden Lighting



ON - OFF

Dusk to Dawn
automatically ON/OFF



Sensitive PIR motion
sensor can be ON/OFF



6000 cycles class A
LiFePO4 battery unit



Dual CCT is changeable
between two colors

5
years
warranty



Wild animals friendly
with 2200K warm colors



2.4G remote signals is
more stable performance



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



Green energy from the sun
never pay electricity bill



SPECIFICATIONS

LIGHTING PERFORMANCE

Item Number	HEAN
Luminous Flux	2,800lm max
Peak LED power	18W
CRI	>80
LED Chips	SMD2835 164pcs
CCT Range (Dual color)	3000K+4000K / 3000K+6000K
LED Lifetime	>100,000 hours

CONTROL UNIT

Control Method	Automatic ON/OFF dusk to dawn
Solar Charge Controller	MPPT controller
Charging Efficiency	>97%
Remote Type	2.4G radio
Operation Distance	up to 30 meters
Sensor Type	Microwave sensor
CCT Changeable	Yes
LED Power Changeable	Yes
Time Changeable	Yes
Working Mode Changeable	Yes

SOLAR PANEL

Peak Power	42W
Rated Voltage	18V
Cell Type	MONO crystalline silicon
Cell Efficiency (%)	>22.5%
Lifetime	>20 years
Waranty	5 years

FIXTURE & PACKING

Light Dimension	φ600 * H455mm
Materials	Aluminium die casting + Polycarbonate
IP & IK Rate	IP65 IK10
Fixture Color	RAL9011 / RAL 7016
Pole Diameter to Fit	76mm
Package Size	62*62*26cm
N.W/Light	9.60KG
G.W/Light	11.30KG
Certificates	CB CE ROHS IP65 LM79 LM80, MSDS
Warranty	5 years

LITHIUM BATTERY

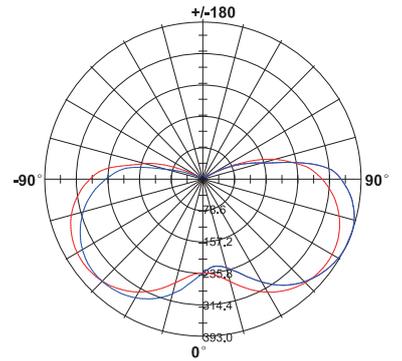
Battery Brand	FBtech (www.fbtech.com.cn)
Battery Type	Class A LiFePO4 Cell 32700 6000mA 3.2V
Battery Capacity	12.8V 154WH
Charge & Discharge time	4 hours & >24 hours
Autonomy	2-3 days in motion detection mode
Working temp.	-15°C ~ 70°C
Warranty	5 Years



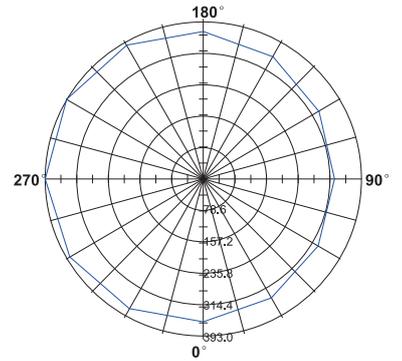
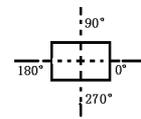
COMPONENTS



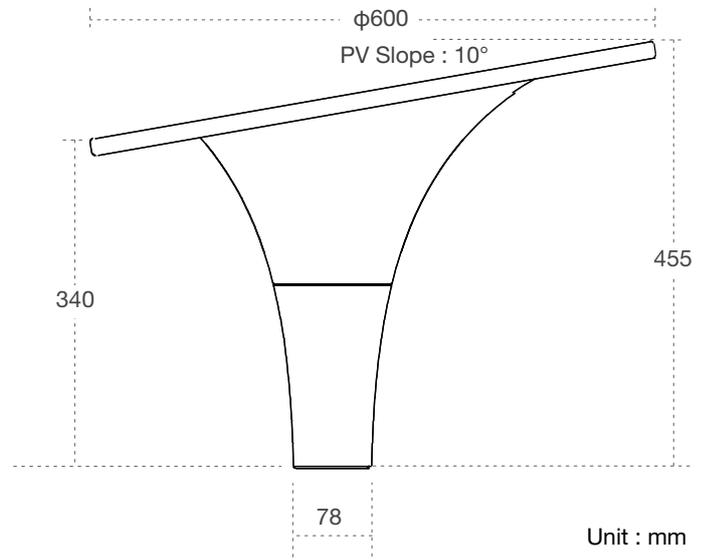
LIGHT DISTRIBUTION



Luminaire



DIMENSION



What can remoe do?

Change work mode

The default setting is continuous lighting with fixed brightness, also motion sensor function is available, The luminaire works with 30% power normally and works with 100% power when the motion sensor is triggered at people come by. Saving more power with longer battery backup.

Change Time

Different lighting time durations are available as 4 hours, 6 hours, and 12 hours optional to meet different requirements. This helps to save more energy and extend the lifetime of light as well as more days backup.

Change Light Color

The color is switchable between cool white 6000K (or daylight 4000k) and warm white 3000K. Easy to set by remote as required. Winter with warm white and Summer time with cool white. Creating a comfortable atmosphere freely.

Change Light Power

The power is changeable as 20%, 40%, 60%, 80%, and 100% to adjustable according to the local solar radiation to save energy, guaranteeing the lighting service is always there even in very challenging conditions.

