

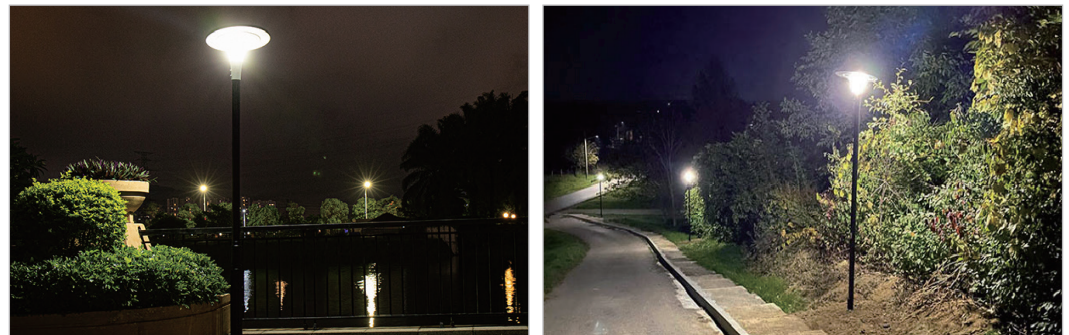
# ATHENA | SOLAR LED POST TOP LIGHT

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Our backyards and gardens are places of relaxation and close to our hearts, and with the same passion, we present Athena as the most advanced solar garden light for your nature-friendly living. Athena solar garden light efficiently illuminates your recreational living areas, gardens, and pathways with 360-degree beam, glare-free lighting in solar energy, and stand-alone off-grid functioning. Athena is aesthetically designed for comfortable living but elegant styling suitable for home and hospitality applications with zero operational costs.

With the built-in lighting programs, the lighting power and working time could be easily adjusted as required via the remote control. The light can also work in motion detecting mode which will help to save more energy. Athena is a suitable solar pedestrian light to work perfectly no matter in gulf countries with 5.5 hours of valid sunshine or in north Europe with 2.5 hours of valid sunshine.

Athena solar garden light is highly customizable via the remote control in terms of color temperatures, lighting power, and working time to match the garden atmosphere. Auroras's decade of experience in solar lighting technologies makes Athena the perfect choice for home users and project customers, contributing to green energy and reducing carbon footprints.



## LIGHTING PERFORMANCE

Item Number	<b>ATHENA   AI-GL600R</b>
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

## LITHIUM BATTERY

Battery Brand	<b>FBtech</b> ( <a href="http://www.fbtech.com.cn">www.fbtech.com.cn</a> )
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

## SOLAR PANEL

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

## 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

## FIXTURE & PACKING

Light Dimension	φ600 * H455mm
Materials	Aluminium die casting + tempered glass
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

Remark : CCT of 3000 K or lower is required for IDA certification compliance.

## PRODUCT FEATURE



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



Dual CCT is changeable  
between two colors



6000 cycles class A  
LiFePO4 battery unit



Sensitive PIR motion  
sensor can be ON/OFF



ON - OFF

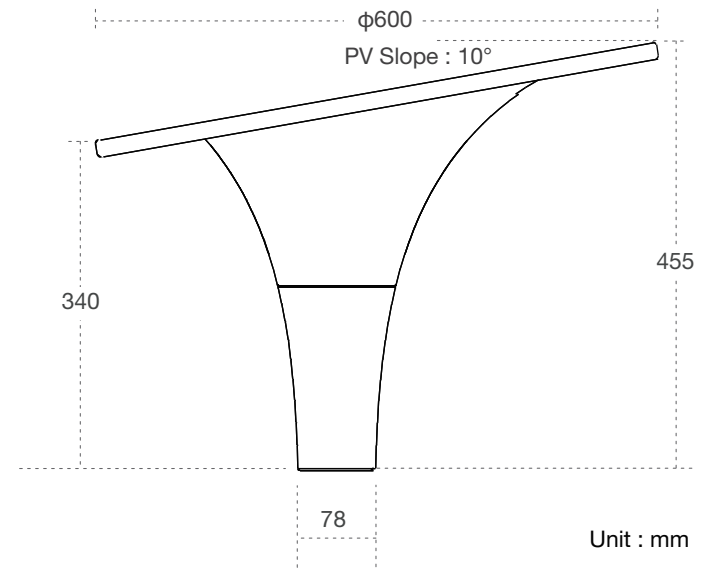
Dusk to Dawn  
automatically ON/OFF



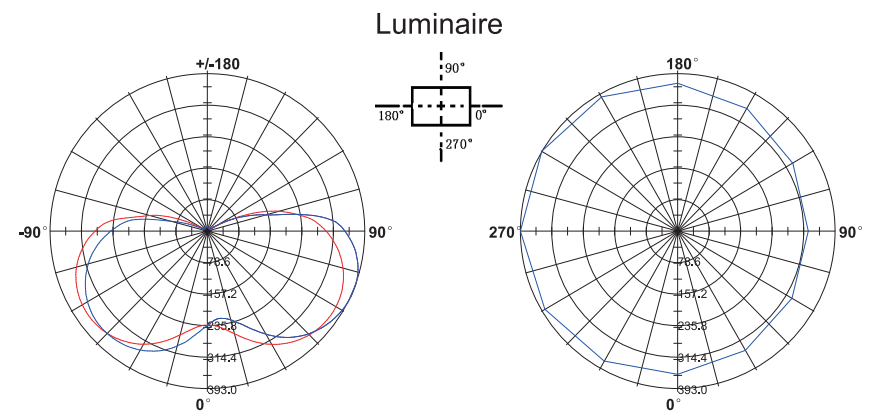
## COMPONENTS



## DIMENSION



## LIGHT DISTRIBUTION



## What can remote 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.





**AURORAS INNOTECH GUANDGONG CO., LTD.**

Web :  
[www.auroraslighting.com](http://www.auroraslighting.com)

Email :  
[Sales@auroraslighting.com](mailto:Sales@auroraslighting.com)

WhatsApp :  
+86 180 2307 5361

Tele :  
+86 0756-8530887 / 8530371

Add :  
903# Block A, Gree Innovation City, ZHUHAI 519000 CHINA