

4.2026

Cod: DARKSKY-AT01-01A-  
SOLAR LIGHTING SYSTEM



Proposition professionnelle pour des solutions concrètes:

**Nos nouveaux lampadaires vous permettent  
d'éclairer tous les endroits nécessaires sans avoir  
besoin de câbles ni de travaux de construction.**

# Sta®LED Darksky A101





REMOTE CONTROL FOR  
GENERAL FUNCTIONS



Our backyards and gardens are places of relaxation and close to our hearts, and with the same passion, we present **DARKSKY AT01** as the most advanced solar city light for your nature-friendly living. **DARKSKY AT01** solar city 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. **DARKSKY AT01** is aesthetically designed for comfortable living but elegant styling suitable for home and hospitality applications with zero operational costs.

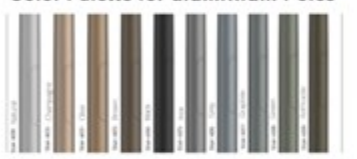
With the built-in lighting programs, the lighting power and working time could be easily adjusted as required via the remote control. The light can also work in motion detecting mode which will help to save more energy. Athena is a suitable solar pedestrian light to work perfectly no matter in gulf countries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

**DARKSKY AT01** solar city light is highly customizable via the remote control in terms of color temperatures, lighting power, and working time to match the garden atmosphere. Ours decade of experience in solar lighting technologies makes **DARKSKY AT01** the perfect choice for home users and project customers, contributing to green energy and reducing carbon footprints.



# Sta®LED Darksky A&D1

**Solar Panel**  
42WP – 22,5 %  
**Battery inside**  
154WH - 12.8V



**Aluminium Pole**  
4 meters x 4 mm  
In ONE piece



**EXCLUSIVE PRODUCT**

**ALL INCLUSIVE**

**5 YEAR WARRANTY**

**ENERGY SAVING TECHNOLOGY**

LET'S ACHIEVE OUR BEST SKY

With Light Pollution Without Light Pollution

2200K 5000K

WARM WHITE LED COOL WHITE LED

COLOR TEMPERATURE

2200K 3000K 4000K 5000K 6000K

WARMER COOLER

Sta®LED Darksky DARK SKY FRIENDLY FOR A BETTER FUTURE



Installed,  
assembled,  
and activated  
directly at the  
**destination**



**Aluminium Pole**  
4 meters x 4 mm  
In ONE piece

Serie PRO AI



Monthly invoice

**SOLAR CITY LIGHT**  
**LED Light head**  
PLP: 18W - 2.800lm  
**Beam Angle**  
120 Degree



Remark : CCT of 3000 K or lower is required **TO BE DARKSKY FRIENDLY.**

## LIGHTING PERFORMANCE

Item Number	<b>STAR-LED DARKSKY AT01</b>
Luminous Flux	2,800lm max
Peak LED power	18W
CRI	>80
LED Chips	SMD2835 164pcs
CCT Range (Dual color)	2200+2700K / 3000K+4000K / 3000K+6000K
LED Lifetime	>100,000 hours
Materials	Aluminium die casting + tempered glass
IP & IK Rate	IP65 IK10
Fixture Color	RAL9011 / RAL 7016
Certificates	CB CE ROHS IP65 LM79 LM80, MSDS

## LITHIUM BATTERY

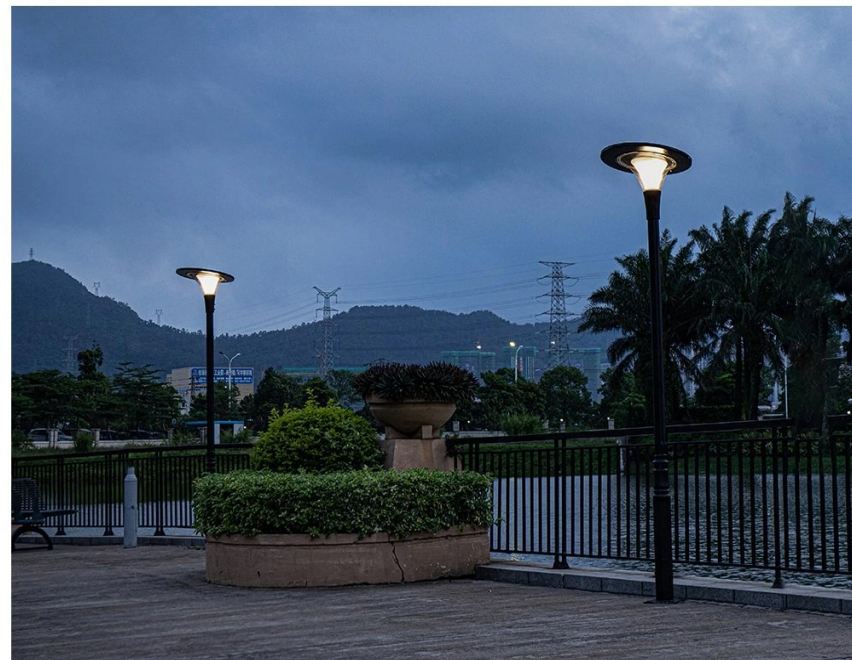
Battery Brand	<b>SUNix-tron energy</b>
Battery Type	Class A LiFePO4 Cell 32700 6000mA 3.2V
Battery Capacity	12.8V 154WH
Charge & Discharge time	4 hours & >24 hours
Autonomy	2-3 days in motion detection mode
Working temp.	-15°C ~ 70°C
Warranty	5 Years

## SOLAR PANEL

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



# PRODUCT FEATURE

Sta®LED Darksky At01



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



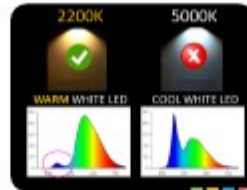
Sensitive PIR motion sensor can be ON/OFF



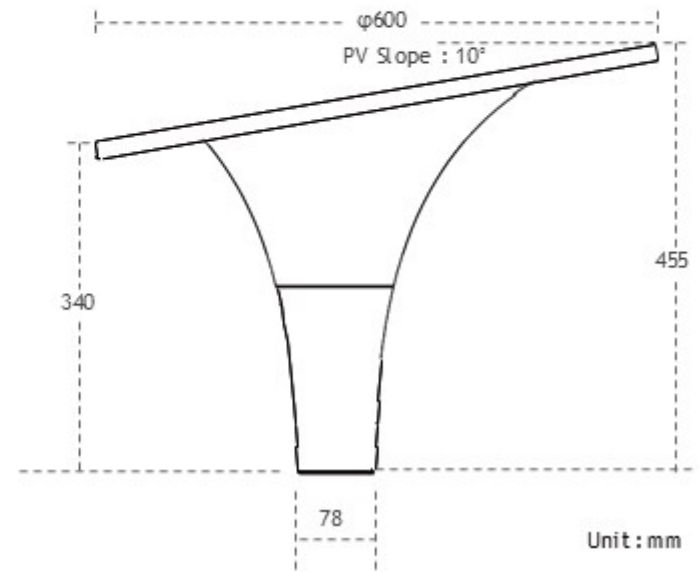
Dusk to Dawn automatically ON/OFF



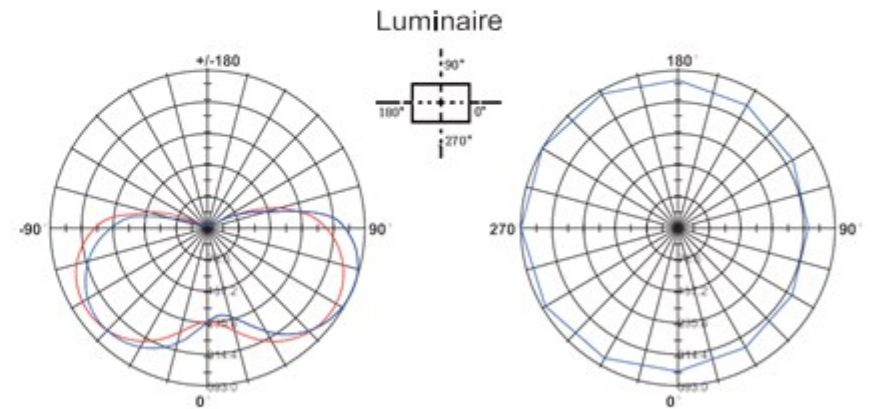
# COMPONENTS



# DIMENSIONS:



# 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 max. 5000K ( or daylight 4000k) and warm white 2200K. 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.



High brightness  
LED beads



Biodiversity  
Protection



IP65  
Waterproof



Designed  
Aesthetically



Remote  
Control

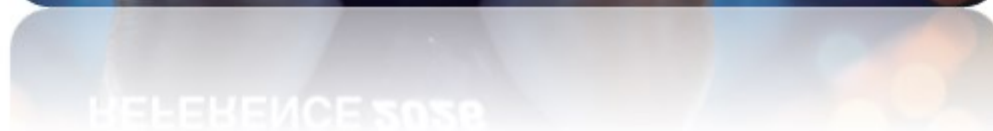




Sta®LED Darksky AED1

# Sta®LED Darksky At01





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SOLAR LIGHTING SYSTEM



*L'intérêt général  
est au cœur  
de toutes nos actions.*

Installation, mise en service et garantie assurées par :

