OUTDOOR LIGHTING

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ENVIRONMENTAL TECHNOLOGIES GROUP®

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ARKO SOLAR BOLLARD LIGHT

Multi-Lighting Color

The white version and RGBCW version are available, The white version offers the color options as 3000K, 4000K, and 6000K via push button. Any color is accessible with the RGBCW version by the 2.4G magic remote control. It creates a very fantastic night with any color you want.

2.4G Remote Control

2.4G remote performs more greatly than the IR remote. One remote is able to control all the solar lights at the same time within 30 meters in the open air without signal delay. All the lights could be set with the same performance synchronously.

Lithium Battery

The top-quality LifePO4 3.2V 12AH battery is equipped inside with up to 4 days autonomy, the Lifetime time is more than 6000 cycles with D.O.D 80% . It ensures the best stability of the complete system working up for 10 years without maintenance.

Long Lifetime

The solar bollard lights are designed to illuminate the places that require lighting constantly. The rated lifetime is up to 10 years without maintenance. It is an ideal solar light with high cost-effective for domestic use and commercial use.

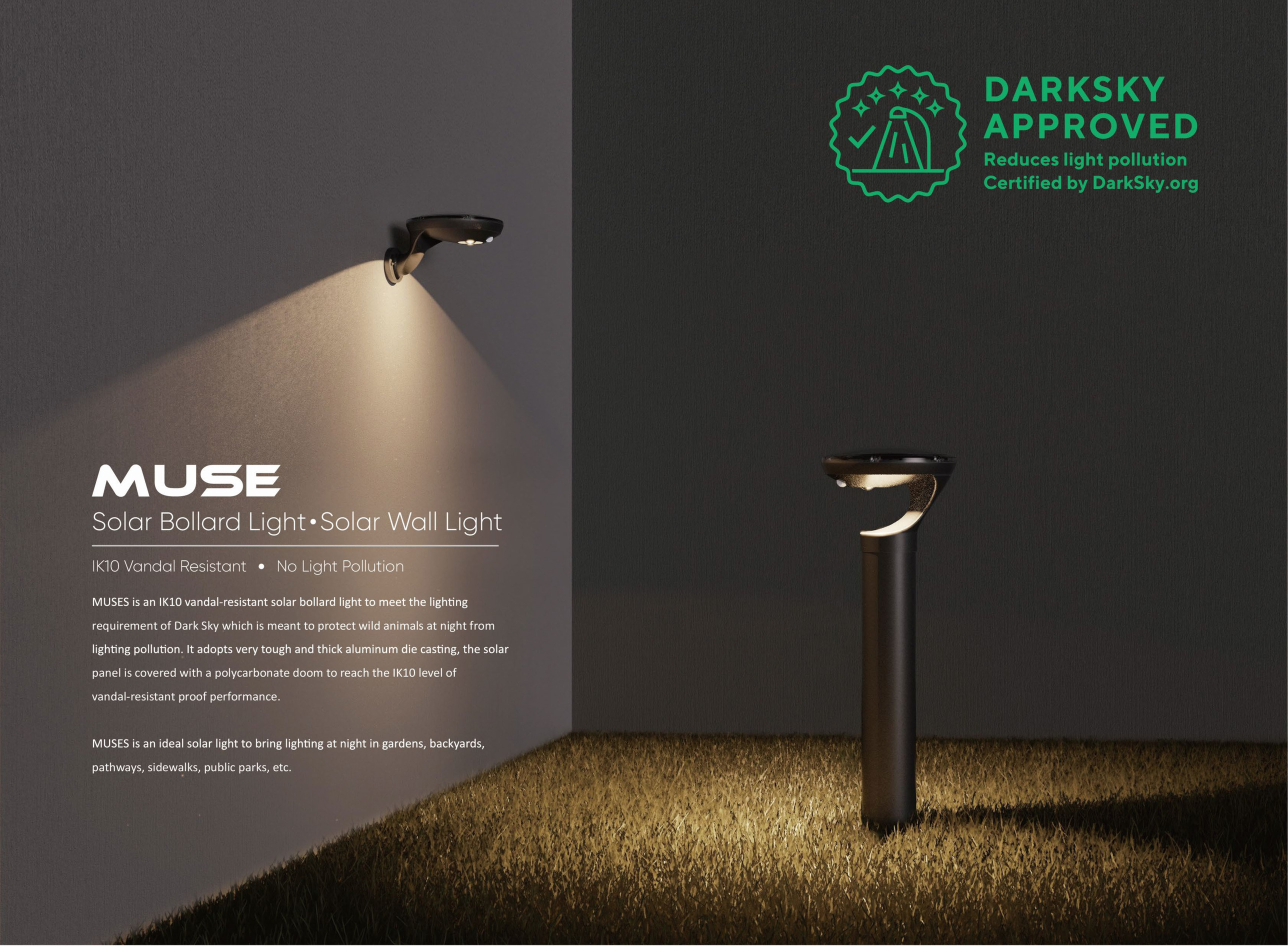
ARKO Solar Bollard Light

Compared with all the solar bollard lights on the market, there is a dome made of polycarbonate with a high transmittance ratio of 96% to protect the solar panel from the strike, it gets an excellent performance in impact resistance to reach to IK10 level. Thanks to the curved dome over the solar panel, the dust will be flushed away easily in rainy days.

ARKO adopts high efficient 6.2W mono solar panel and brand new LifePO4 battery 3.2V 12AH, it offers a continuous and stable lighting performance with 3~4 nights autonomy. RGBCW full-color changing model with 2.4G remote control is available. It creates fantastic colors for gardens at night.

Model name	***ARKO AI-GL260R***
Lighting performance	1.5W >220lm
Solar panel	5V 6.2W
Product size	ϕ260mm 60cm / 90cm / wall mounted
Light color	CCT changeable / RGBCW
LifePO4 battery	3.2V 12AH
Charge & discharge time	5 & >24 hours
Fixture color	Black / Grey
Certificates	CE ROHS CB IP65 IK10
Waranty	3 years

wall mounted



DARKSKY APPROVED

Reduces light pollution

Certified by DarkSky.org

MUSE

Solar Bollard Light • Solar Wall Light

IK10 Vandal Resistant • No Light Pollution

MUSES is an IK10 vandal-resistant solar bollard light to meet the lighting requirement of Dark Sky which is meant to protect wild animals at night from lighting pollution. It adopts very tough and thick aluminum die casting, the solar panel is covered with a polycarbonate doom to reach the IK10 level of vandal-resistant proof performance.

MUSES is an ideal solar light to bring lighting at night in gardens, backyards, pathways, sidewalks, public parks, etc.

Model name	*MUSE AI-GL275R*	*MUSE AI-GL275R/W*
Lighting performance	2W 400lm max	●
Solar panel	5V 6.2W	●
Product size	ϕ275mm Height : 90cm	323*275*195mm
Light color	2300K ~ 6000K	●
LifePO4 battery	3.2V 12AH	●
Charge & discharge time	5 hours & >24 hours	●
Motion sensor	PIR sensor	●
Fixture color	Black / Grey	Wall mounted
IP rate	IP65	●
Certificates	CE ROHS IK10 IP65	●
Warranty	5 years	●

DARKSKY APPROVED
Reduces light pollution
Certified by DarkSky.org

APOLLO

Solar Car Parking Light

APOLLO solar car parking light is a good choice for vast solar lighting applications. It is capable of meeting many applications and challenging solar lighting requirements with extremely simple and easy installation capability. It is a perfect solution for many outdoor applications such as carports, bus shelters, warehouses, temporary shelters, camping tents, boats, etc

Lithium batteries and high charging efficiency solar controller are built inside of the light. And it reaches high lumens output of up to 160lm/watt with super bright led chips. It adopts a brand new quality LiFePO4 battery pack whose lifetime is up to 10 years. IP65 weatherproof lighting fixture. The easy MC4 plug-in setup makes the light extremely easy to install and portable. Distance from solar panel to light is up to 20 meters.

A microwave sensor is built inside to save more energy, the lighting mode could be easily programmed as required to meet different application scenes.

Model name	*AI-X2200*	*AI-X4200*
LED power	18W max	36W max
Luminous flux(lm)	>2,200lm	>4,200lm
Solar panel	50W 18V	80W 18V
LifePO4 battery	12.8V 154WH	12.8V 307WH
Product size	92*84*600mm	92*84*900mm
Light color	3000K ~ 6000K	●
Charge controller	Programmable PWM	●
Motion sensor	Microwave	●
IP & IK rate	IP65 & IK10	●
Warranty	5 Years	●

VENUS

Solar Flood Light

VENUS solar flood light was developed to satisfy the demand of premium customers who are caring about the quality, not limited to the finishing of lights, but also the aesthetic appearance, battery stability, lighting efficiency, also convenient operation, and motion sensor detection.

VENUS solar-led floodlight adopts the latest technology of control system to balance between the solar panel and lithium battery. The brand new lithium battery is built inside to store the energy to extend the light lifetime up to 10 years. The quality solar panel is able to charge the battery well even during very challenging days no matter on cloudy days or in wintertime, ensuring to provide continuous lighting service without blackout.

Microwave motion sensor function could be turned ON/OFF freely via 2.4G remote control, The popular lighting programs are built-in to allow users to select easily, what's more, the light also can work at day time when the battery is charging by the solar panel. One 2.4G remote control would control all the lights in the same group within 20 meters.

VENUS is the best solar flood light on market!
RGBCW color changing version with remote are also available.

Model No.	*V2-PRO*	*V4-PRO*	*V6-PRO*	*V8-PRO*
Lighting 6000K	4.8W | 880lm	9.0W | 1,680lm	13.5W | 2,480lm	18.5W | 3,280lm
Solar panel	12W 10V	25W 10V	35W 10V	50W 10V
LifePO4 battery	6.4V 38.4WH	6.4V 76.8WH	6.4V 115WH	6.4V 154WH
Light size	240*168*56mm	305*235*56mm	375*275*56mm	375*275*56mm
Light color	3000K ~ 6000K or RGBCW	●	●	●
Remote type	2.4G	●	●	●
Motion sensor	Microwave	●	●	●
IP rate	IP65	●	●	●
Warranty	3 Years	●	●	●

LED Power
Adjustable

Motion Sensor
Detection

4H 6H 12H
settable

ATHENA

Solar Pedestrian Light | Post Top Light

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.

Model No.	***AI-GL600R***
Lighting	18W max | 2,800lm
CCT	3000K+4000K or 3000K+6000K
Solar panel	42W 18V MONO
LifePO4 battery	12.8V 154WH
Charge controller	MPPT high efficienct 97%
Dimension	ϕ600*H455mm
Motion sensor	Microwave
IP rate	IP65
Warranty	5 Years

LED Power
Adjustable

Dual CCT
Changeable

Motion Sensor
Detection

Dusk to Dawn
Auto ON/OFF

4H 6H 12H
settable

3000 Cycles
LifePO4 Battery

THEMIS

Solar Pedestrian Light | Post Top Light

THEMIS solar pedestrian light is a futuristic design of solar light. It is developed to protect wild animals from blue-light harm of led lighting. With UGR<1% performance. It is able to provide a very well smooth lighting performance at night without any pollution.

It is a combination of high efficient MONO solar panel and LiFePO4 battery and MPPT solar charge controller. It offers ultra brightness output up to 190lm/W with the lowest led power consumption. It is able to bring light to the night continuously and stably even if the sunshine is very weak. The lighting power and period are settable as required to create the best performance.

THEMIS is the best solar light to be used for gardens, parks, walk paths, and bicycle lanes. The designed lifetime is up to 10 years without any maintenance.

Model No.	***AI-GL590R***
Lighting	18W max | 2,800lm
CCT	3000K + 4000K | 3000K + 6000K
Solar panel	38W 18V MONO
LifePO4 battery	12.8V 154WH
Charge controller	MPPT high efficienct 97%
Dimension	ϕ590*H550mm
Sensor type	PIR
IP rate	IP65
Warranty	5 Years

4H / 6H / 12H
changeable

COMSUMPTION

LED Power
Adjustable

Dual CCT
Changeable

3000 Cycles
LifePO4 Battery

Motion Sensor
Detection

ON - OFF

Dusk to Dawn
Auto ON/OFF

Integrated

Solar Street Lights

* Ultra high brightness
* Big battery capacity
* Constant high power
* MC4 connectors

All in Two solar street lights are designed for commercial solar street lighting projects which require constant and high brightness performance. It integrates the brand new lifePO4 battery, MPPT solar charge controller, and the latest technology of led technology. It offers up to 160lm per watt high brightness performance constantly without dimming. It is an ideal choice for commercial solar street lighting which fits different heights of poles up to 12 meters.The solar light head is connected to solar panel by the universal MC4 plugs. Three models are available HELIOS for 20W 30W and 50W, HERMES is for 60W and 80W, and THOR is for 80W,100W, and 120W. All the specifications can be customized according to the client's requests.

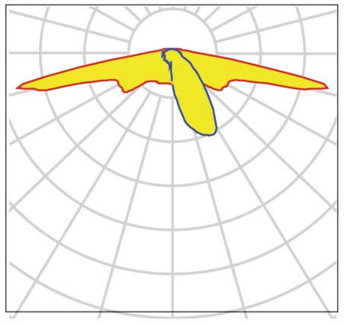
HELIOS (30W & 50W)

HERMES (60W & 80W)

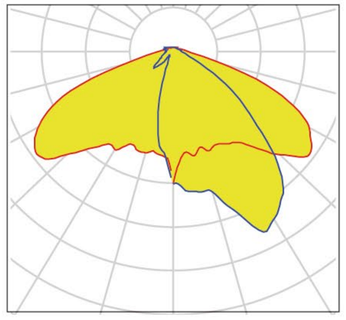
THOR (100W & 120W)

LEDiL

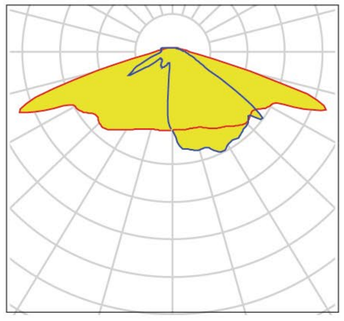
LEDil Optics



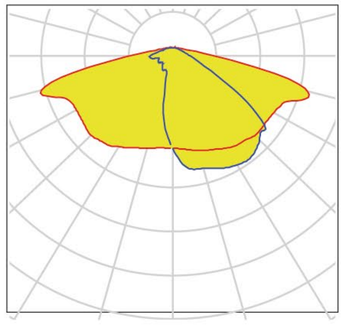
T2-L
IESNA Type II
(long)



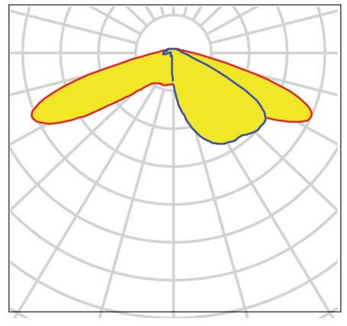
T2-S
IESNA Type II
(short)



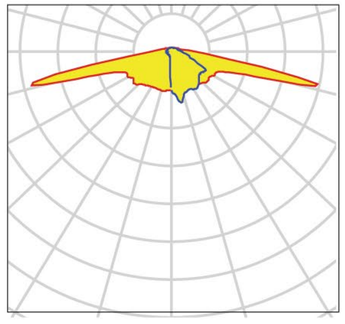
T3
IESNA Type III
(medium)



T3B
IESNA Type III
(medium min backlight)



T3-M
IESNA Type III
(medium)



T3-L
IESNA Type III
(long)

Main Specification

Item No.	*HELIOS T3*	*HELIOS T5*	*HERMES T6*	*HERMES T8*	*THOR T10*	*THOR T12*
Rated LED Power	30W	50W	60W	80W	100W	120W
Peak Luminous Flux	5,100lm	7,500lm	10,200lm	13,600lm	16,800lm	20,400lm
CRI	>79	●	●	●	●	●
LED Type	SMD3030 108pcs	●	SMD5050 64pcs 5W/led		SMD5050 64pcs 5W/led	●
CCT Range	3000K ~ 6000K	●	●	●	●	
Beam Angle	Type I / II / III		●			
Battery Capacity	307WH 12.8V	460WH 12.8V	538WH 12.8V	768WH 25.6V	921WH 25.6V	1075WH 25.6V
Battery Type	Brand new LifePO4 32700 6000mA 3.2V		●	●	●	●
Battery Lifetime	D.O.D 80% 6000 cycles	●	●	●	●	●
Charge Time	4 hours	●	●	●	●	●
Discharge Time	>24 hours	●	●	●	●	●
Advancded System	Solar + 220V + Wind Turbo / Zigbee Wireless Control optional					
Regular Solar Panel	80W 18V	100W 18V	120W 18V	160W 36V	200W 36V	260W 36V
Vertical Solar Module	200W 18V	280W 18V	400W 18V	560W 36V	600W 36V	800W 36V
Cable & Connector	2.5mm^2 0.6 meters with MC4 connectors		●	●	●	●
Working Temp.	-20 °C ~ 75 °C	●	●	●	●	●
Control Method	Automatic ON/OFF dusk to dawn		●	●	●	●
Default Lighting modes	4 hours 100% + 5 hours 50% + 4 Hours 30%		●	●	●	●
Fixture Size	HEIOS : 610*265*98mm		HERMES : 675*277*109mm		THOR : 800*310*116mm	
Painting color	Gray RAL7005	●	●	●	●	
N.W/Light	9.80kg	10.60kg	14.30kg	15.40kg	18.80kg	19.60kg
G.W/Light	10.70kg	11.20kg	15.30kg	16.40kg	20.40kg	21.80kg
IP Rate	IP67	●	●	●	●	●
Warranty	5 years	●	●	●	●	●
Certificates	CB CE ROHS IP67 LM79 LM80 FCC		●	●	●	●

Key Components

LiFePO4 Battery

Ultra-long lifetime and high capacity of LifePO4 battery pack are built inside of light fixture, Lifetime of complete light is more than 10 years without maintenance.

Romote Control

The lighting program can be easily modified according to your requirements, so more energy could be saved and working time will be extended at weak sunshine days. Alsothe lifetime of the battery are extended.

MPPT Charge Controller

As the "CPU" of solar light, MPPT solar controller from SRNE is adopted for all series of street lights. Increasing the charging efficiency by 30% than PWM, ensuring the more stable performance of the system.

Lumileds LED

It adopts ultra-high brightness of Philips Lumileds led chip. The idea is to use the highest efficiency of led chips to provide the best lighting performance with the minimum led power consumption.

LEDil Optics

More light is falling on the center of the road directly, Reducing the waste of light that is falling out of the road. Different lighting patterns of lenses are available to satisfy different project requirements.

2.5mm² Solar Cable

2.5mm cable reduces the power consumption wasted on components, MC4 connector makes connection easy and durable. Can plug into any solar panel via MC4.

SolarWrap

Vertical Solar Street Light

SolarWrap Integrated Solar Pole Systems from Auroras are our most advanced and innovative solar module for various pole-mounted PV applications. SolarWrap's patented design, manufactured to high-quality standards, can meet decorative and high-end applications, especially for the area and garden lighting without compromising aesthetics. SolarWrap is the outcome of our constant R&D in Solar Lighting, equipped with highly efficient solar modules in a hexagonal aluminum die-cast structure for maximum performance, strength, and durability in many challenging applications. The innovation can be integrated into any pole shape and dimensions, making the SolarWrap Integrated Solar Pole almost universal. The detachable and lightweight design helps in easy installation for a complete maintenance-free life.

The complete solar pole only includes two functional components including vertical solar modules and solar light heads which can be connected to each other directly by MC4 connectors. The battery and solar controller are built inside of the light fixture. The powers of solar light heads are from 20W to 120W to meet most requirements of projects. The vertical solar-led street light pole is a premium and advanced product. It is designed especially for these projects concerning a lot on aesthetical appearance with high luminous flux, durable quality system, and long time use without any maintenance.

It could be widely used for outdoor monitors, traffic lights, signal centers etc. It is also an ideal solution to retrofit the traditional street lights whose lighting bulbs are metal-halide. It only needs to attach the SolarWrap vertical solar module to existing poles without setting new poles. This provides a brand new possibility to save energy by solar power for traditional street lights with minimum cost.

360° Full Day Charging

6 slim solar panels are fixed tightly on a hexagon frame. so it ensures 50% of solar panel will face to sunshine at any time of the day.

Modular Installation

This vertical solar module is based on modular design concept for easy installation and disassembly. It can be quickly and easily mounted on any suitable pole within max diameter 155mm.

Strong Wind Resistance

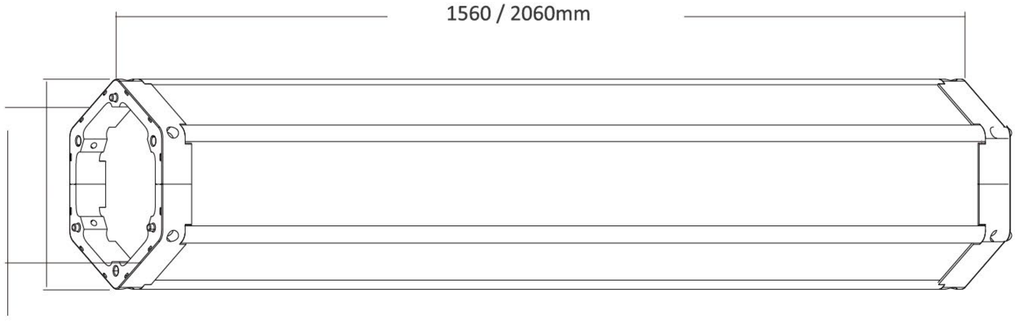
The vertical design reduces the wind resistance area, and each module is directly fastened to the pole by 12 screws for better wind resistance. It can stand well against 24.5m/s typhoon.

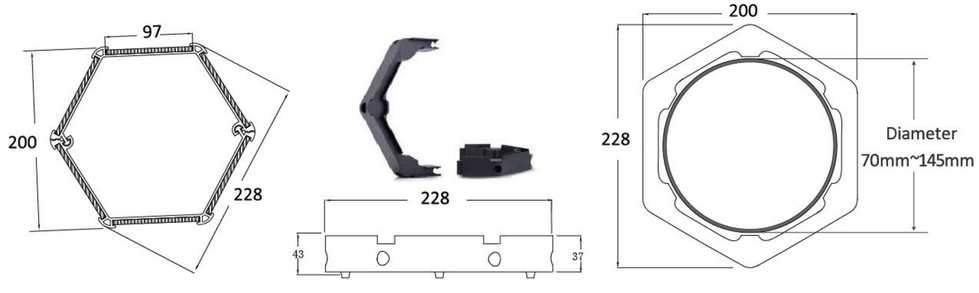
Never Snow Covering

Solar cylinder modular mounted in vertical, it is not easy to be covered by snow as regular solar panel. Ensure enough power can be generated even in very snowy climate. Never worry black out.

Easy to Clean

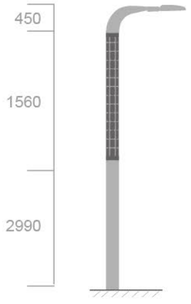
Less dust will fall on surface than regular solar panel. Worker can clean it easily standing on ground with a long handle brush. no need lift. higher work efficiency and less maintenance cost.





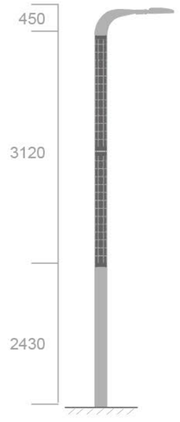
Item number	*Q140*	*Q200*
Dimension	228*200*1560mm	228*200*2060mm
Pmax	140W	200W
Vmp & Imp	18V 7.78A | 36V 3.88A	18V 11.1A | 36V 5.56A
Cell type	MONO made in Taiwan	●
Solar cell efficiency	22.70%	●
Cable & Connector	Universal MC4 with 0.6 meter 2.5mm^2	●
Structure material	UPVC + aluminum alloy / aluminum alloy	●
Operating temp.	-20℃ ~ +70℃	●
PV Lifetime	>20 years	●
N.W / G.W	19.80kg / 21.70kg	25.50kg / 27.80kg
Max pole diameter	145mm	●
Warranty	5 years	●

Recommended Pole Configuration



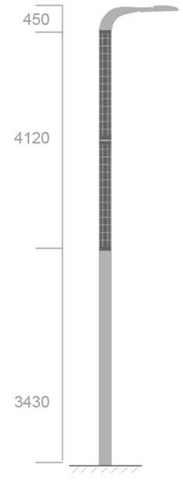
30W

Order code	S03020005
Solar light head	HELIOS 30W
LED power	30W
Luminous flux(lm)	5,100lm
Power of solar module	140W
Vertical solar module	Q140 1pc
LifePO4 battery	12.8V 307WH
Charge controller	MPPT
Pole height	5 meters
Warranty	5 years



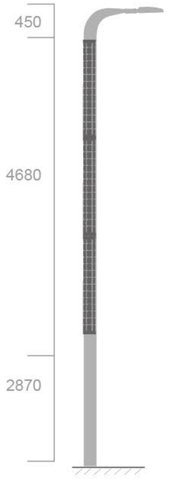
50W

Order code	D03040006
Solar light head	HELIOS U50W
LED power	50W
Luminous flux(lm)	8,500lm
Power of solar module	280W
Vertical solar module	Q140 2pcs
LifePO4 battery	12.8V 460WH
Charge controller	MPPT
Pole height	6 meters
Warranty	5 years



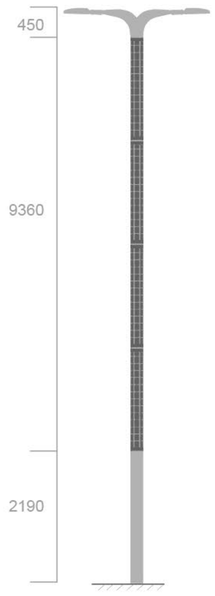
60W

Order code	S06040008
Solar light head	HERMES T6
LED power	60W
Luminous flux(lm)	10,200lm
Power of solar module	400W
Vertical solar module	Q200 2pcs
LifePO4 battery	12.8V 538WH
Charge controller	MPPT
Pole height	8 meters
Warranty	5 years



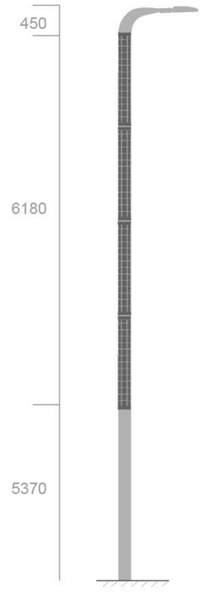
80W

Order code	S08042008
Solar light head	HERMES T8
LED power	80W
Luminous flux(lm)	13,600lm
Power of solar module	420W
Vertical solar module	Q140 3pcs
LifePO4 battery	25.6V 768WH
Charge controller	MPPT
Pole height	8 meters
Warranty	5 years



80W*2

Order code	D08084012
Solar light head	HERMES T8
LED power	80W * 2
Luminous flux(lm)	13,600lm * 2
Power of solar module	840W
Vertical solar module	Q140 6pcs
LifePO4 battery	25.6V 768WH * 2
Charge controller	MPPT
Pole height	12 meters
Warranty	5 years



100W

Order code	S10060012
Solar light head	THOR T10
LED power	100W
Luminous flux(lm)	17,000lm
Power of solar module	600W
Vertical solar module	Q200 3pcs
LifePO4 battery	25.6V 1075WH
Charge controller	MPPT
Pole height	12 meters
Warranty	5 years

EXPO 2020 DUBAI UAE

SolarWrap

VERTICAL SOLAR POLE

Showcasing real solutions to the world's biggest challenges.

The vertical solar lighting pole is agreat innovation for outdoor lighting. It is a revolutionary design with an aesthetic appearance and stability of lighting performance. The concept of vertical solar lighting pole is delivered to every corner of the world globally with the impactof Expo Dubai

SolarWrap

Vertical Solar Garden Light | Pole Light

The vertical solar pole light is designed to meet the demand of the premium projects which require aesthetic appearance as well as high-quality lighting performance.

The vertical solar pole is composed of 4 components: garden light head, LiFePO4 battery pack with the MPPT controller built-in, steel pole, and solawrap vertical solar module. Compared with the solar led garden lights with regular solar panel, vertical ones are more attractive with compact structures. Brand new LiFePO4 battery is adopted to store energy whose lifetime is 4000 cycles at D.O.D 50%.The designed lifetime of the system is more than 10 years without any maintenance. The high efficiency 97% MPPT solar charge controller is adopted to ensure sufficient power be generated to satisfy the led light consumption. The vertical solar pole is very flexible for your marketing and projects. The steel pole could be easily customized according to projects' requirements and arranged locally in order to save shipping costs. And any model of the light head could be adoptable freely.

ZEUS Solar Garden Light

Item name	*ZEUS*
LED Power (max)	30W
Luminous flux(lm)	4,400lm
CCT	3000K~6000k
Pole height	2.5 ~ 3.5 meters
Vertical PV	140W 18V
LiFePO4 Battery	12.8V 307WH
Battery location	Inside of pole
Solar Controller	Programmable MPPT
System lifetime	> 10 Years
Waranty	5 years

ARTEMIS Solar Garden Light

Item name	*ARTEMIS*	*ARTEMIS-Pro*
LED Power (max)	30W	60W
Luminous flux(lm)	4,400lm	8,800lm
CCT	3000K~6000k	3000K~6000k
Pole height	2.5 ~ 3.5 meters	4 ~ 6 meters
Vertical solar module	140W 18V	280W 18V
LiFePO4 Battery	12.8V 307WH	12.8V 615WH
Battery location	Inside of pole	●
Solar Controller	Programmable MPPT	●
System lifetime	> 10 Years	●
Waranty	5 years	●

TITAN

AIO Solar Street Light

TITAN is the latest design series of all In one solar street lights that adopts the classical concept of 'All In One' and module structure, which offers extremely effective illumination for a wide range of applications. It's based upon 'reliability' and 'easier to installation' as all components are integrated into one housing. TITAN is adopting quality aluminum die casting housing instead of aluminum alloy which has better wind-resistant performance and reaches a high IK level with aesthetic appearance. PIR motion sensor is equipped to save more energy. TITAN is suitable to be installed in parks, pathways, etc, good to be installed on poles from 5 meters to 10 meters.

- IP65, IK08
- Shelf life 25 years
- PIR motion sensor
- LiFePO4 battery
- Aesthetic appearance
- Three years warranty.
- Easy Installation
- Fully integrated technology
- Adjustable bracket
- UV and salty resistant

Main Specification

Item number	*TITAN T400*	*TITAN T600*	*TITAN T800*
Peak luminous flux	5,100lm	7,600lm	10,200lm
Rated power	30W	45W	60W
CRI	>70	●	●
LED type	Lumileds SMD3030 120pcs	180pcs	240pcs
CCT range	3000K / 4000K / 5000K / 6000K	●	●
Beam angle	Bat wing pattern with polarized light	●	●
Battery capacity	230WH 12.8V	460WH 12.8V	691WH 12.8V
Battery cell	Brand new LiFePO4 32700 6000mAH	●	●
Battery lifetime	D.O.D 80% 6000 cycles	●	●
Charge & discharge time	4 hours & >24 hours	●	●
Solar panel	56W 18V	80W 18V	120W 18V
Working temp.	-20 °C ~ +75 °C	●	●
Control method	Automatic dusk to dawn ON/OFF	●	●
Solar charge controller	MPPT with motion sensor	●	●
Default lighting modes	12 hours operation with 30% + 100% when motion sensor is triggered		●
Motion sensor	PIR / Microwave sensor optional	●	●
Fixture size	790*368*145mm	1010*430*145mm	1200*505*160mm
Fixture materials	Aluminum Die Casting	●	●
Fixture color	Gray RAL7005	●	●
Mounting diameter	60mm / 80mm	●	●
N.W	9.60kg	14.30kg	15.40kg
G.W	10.30kg	15.30kg	16.40kg
IP Rate	IP65	●	●
Warranty	3 years	●	●
Certificates	CB CE ROHS IP65 LM79 LM80 FCC		

PIR Motion Sensor

PIR Motion Sensor with up to 10m wide range human body infrared rays detector - it gathers automatic convenient, safe energy saving, functions.

MPPT Controller

Smart solar charge controller with LED driver inbuilt with multi-period control, charging and discharge efficiency more than 97%. IP67 waterproof and high-temp resistant.

LED Optics

120° *70° degrees beam angles light utilization more than 70% for street applications light transmittance 92%, antti-UV, IP65 dust-proof & waterproof.

Lithium Battery Pack

Battery bank will be providing as per customer requirements and project conditions. Lithium ion battery long life up to 2000 circles (8 to 10 years) withstand high temperature.

MILIO AIO Solar Street Light

MILIO is a compact solar light that can provide all-around lighting, suitable for poles of 4 meters to 6 meters, and various installation environments like car parking areas, pedestrian paths, etc. It can be mounted on a straight bar or plugged into the arm of the pole. The led engine is designed with an inclined angle to improve the utilization of light. It has a built-in MPPT solar controller with a charging efficiency of up to 97% and a brand-new top-quality A-grade lithium iron phosphate battery. The motion sensor is also equipped.

You can use the remote control to set different working modes to meet various lighting needs whether it is winter or summer, it can provide stable lighting services 365 days a year.

Main Specification

Item number	*AIO-40WM*	*AIO-50WM*
Peak luminous flux	40W ｜ 6,500lm	50W ｜ 8,500lm
CCT	2700K~6000K	2700K~6000K
LED chips	60pcs SMD3030	60pcs SMD3030
LiFePO4 battery	307WH 12.8V	384WH 12.8V
Solar panel	60W 18V	60W 18V
Solar charge controller	MPPT with PIR remote	MPPT with PIR remote
Product size	900*380*88mm	900*380*88mm
Plug-in Installation	60mm	60mm
Straight pole installation	60mm~80mm	60mm~80mm
Warranty	3 years	3 years

The lamp body is designed with a 15-degree inclination angle, making the light more uniform and higher utilization rate

The battery and controller are easily accessed for future possible maintenance by unfixing the screws of the battery cover.

Committed to 3 years warranty for complete light including battery and controller. Using top quality of all componenty.

Built-in a variety of lighting programs, you can use the remote control to easily change the settings to meet different lighting conditions

ZAIN AIO Solar Street Light

ZAIN is the perfect solar lighting for the outdoors, it caters requirements of all applications, ZAIN has wide power ranges from 50W to 180W which apply pole heights from 5 meters to 14 meters. It is the latest compact solar street light, integrating the most cutting-edge technology of lithium battery and highest led technology as well as with highly efficient PV module and charge control technology. Always there is one suitable model for your project.

The use of 5050 lamp beads improves the luminous efficiency of the lamp beads, which can reach 170lm per watt.

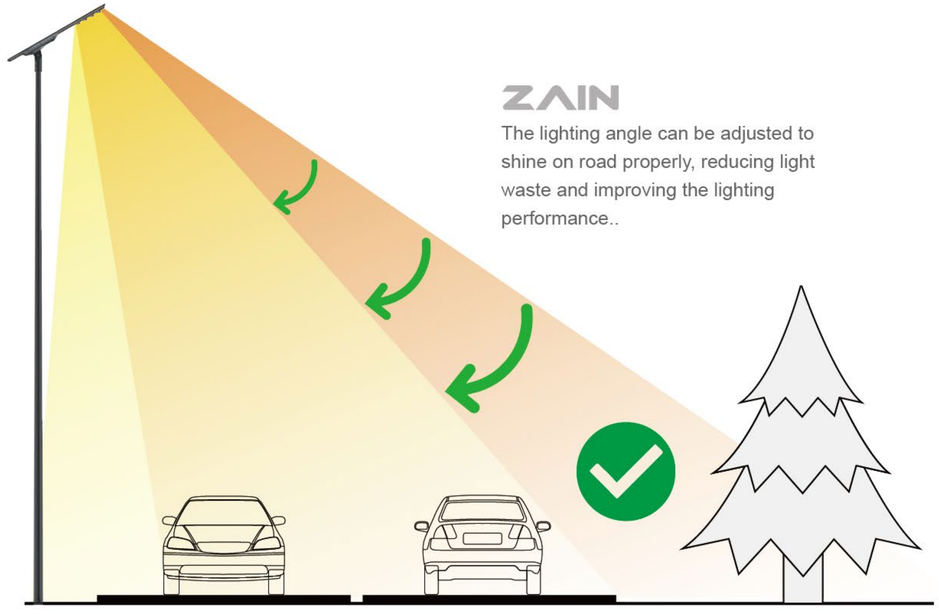
Adopt MPPT solar controller with efficiency up to 97% to improve charging efficiency.

Different lighting programs are built inside and can be chosen by remote control easily. Summer mode and winter mode are available for more days of battery backup.

Smart wireless Zigbee control scheme is available, using European standard ZHAGA connector.

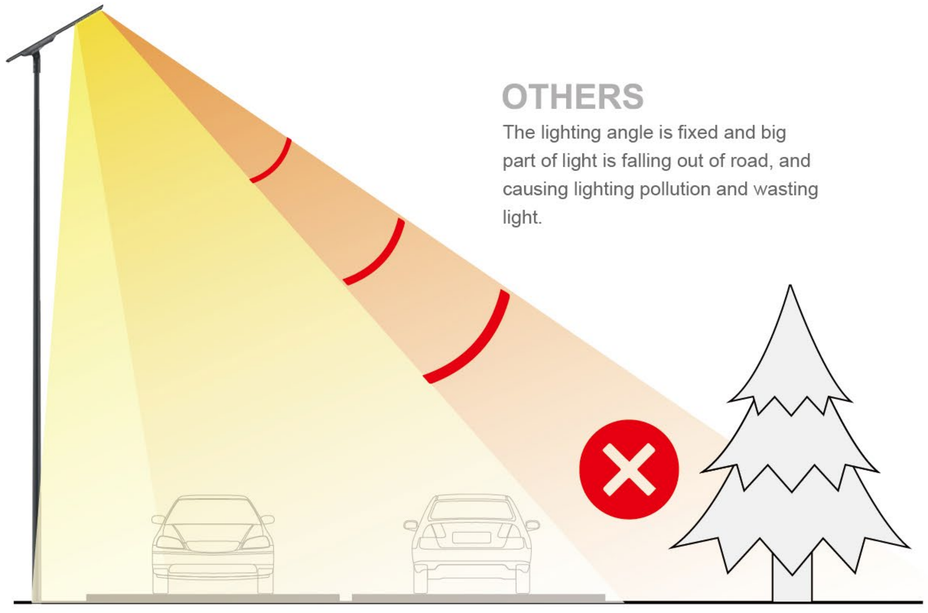
The led module is rotatable, lighting angle is adjustable to make more light to fall on the road without wasting light.

Adopting modular structure design, the battery box and solar panel are easy to disassemble



Performance of ZAIN AIO Solar Street Lights

VS



Performance of Other AIO Solar Street Lights

The rotatable led module

Due to the high integration of the integrated street light, it is easy to install and greatly reduces the installation cost and other costs. However, since the angle of the sun is different in each country or region, ordinary all-in-one solar street lights cannot adjust the angle according to the position of the sun. The light of the lamp can only be irradiated to places other than the road surface, which causes a waste of light and may cause light pollution. Or in order to allow the light to shine on the road as much as possible, but it is impossible to make the solar panel the most suitable angle for facing the sun.

ZAIN series solar street lights perfectly solve the problems mentioned above. ZAIN adopts high-strength, angle-adjustable, and beautiful die-casting aluminum brackets, and at the same time allows the LED light source module to have the function of adjusting the angle. Each LED module has a The angle can be adjusted manually, with self-locking function, without wrench adjustment, so that the light can be properly irradiated on the road, which greatly improves the efficiency of light use, and can also make the solar panel face the sun to maximize the power generation efficiency.

Main Specification

Item number	*AIO-50WZ*	*AIO-60WZ*	*AIO-80WZ*	*AIO-100WZ*
LED power & luminous	50W | 8,500lm	60W | 10,200lm	80W | 13,600lm	100W | 17,000lm
CCT range	2700K~6000K	●	●	●
LED module	2 modules	2 modules	3 modules	4 modules
LiFePO4 battery	12.8V 384WH	12.8V 460WH	12.8V 614WH	12.8V 768WH
Solar panel	18V 64W	18V 82W	18V 103W	18V 125W
Product size	910*420*350mm	1100*420*350mm	1300*420*350mm	1590*420*350mm
Solar charge controller	MPPT with sensor	●	●	●
Pole size	76mm	●	●	●
Installation height	4 ~ 8m	5 ~ 8m	6 ~ 10m	6 ~ 12m
Certificates	CE ROHS CB IP65	●	●	●
Warranty	5 years	●	●	●

Item number	*AIO-120WZ*	*AIO-140WZ*	*AIO-160WZ*	*AIO-180WZ*
LED power & luminous	120W | 20,400lm	140W | 23,800lm	160W | 27,200lm	180W | 34,000lm
CCT range	2700K~6000K	●	●	●
LED module	4 modules	5 modules	5 modules	6 modules
LiFePO4 battery	25.6V 921WH	25.6V 1075WH	25.6V 1228WH	25.6V 1382WH
Solar panel	36V 135W	36V 158W	36V 177W	36V 196W
Product size	1360*530*380mm	1480*530*380mm	1730*530*380mm	1880*530*380mm
Solar charge controller	MPPT with sensor	●	●	●
Pole size	76mm	●	●	●
Installation height	8 ~ 12m	8 ~ 14m	8 ~ 14m	8 ~ 14m
Certificates	CE ROHS CB IP65	●	●	●
Warranty	5 years	●	●	●

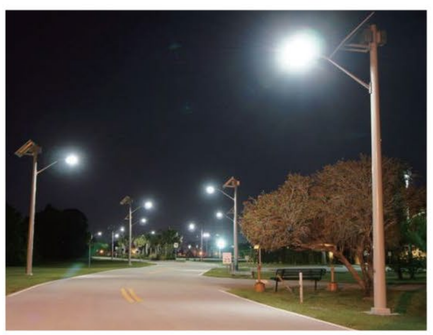
Rotatable Bracket

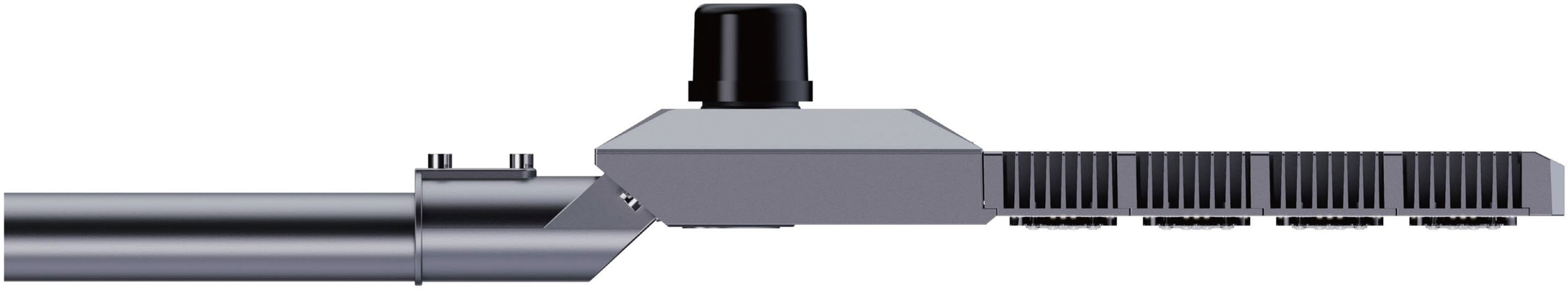
Application

GALAXY Solar Street Light

Galaxy is a high-power, long-life solar street light, which is specially developed to meet high-standard projects. It can achieve 100% full power output for 12 hours, and has more than 3 days of power backup. The configuration of the system can be flexibly adjusted according to the needs of the project.

The Galaxy street light adopts a modular design, which can reach a high brightness output of 170lm/W, and the battery uses a new lithium iron phosphate battery with a life span of 2000 cycles. The controller adopts the MPPT charging mode, and the working mode and parameters can be conveniently set by the remote control.





Main Specification

Item number	*T60-X*	*T90-X*	*T120-X*	*T150-X*	*T180-X*
LED power	60W	90W	120W	150W	180W
luminous flux	10,200lm	15,300lm	20,400lm	25,500lm	29,000lm
CCT range	2700K~6000K	●	●	●	●
LED module	2 modules	3 modules	4modules	5modules	6 modules
System voltage	12V	24V	●	●	●
LiFePO4 battery	12.8V 100AH	25.6V 60AH	25.6V 100AH	25.6V 120AH	25.6V 150AH
Lead acid battery	12V 200AH	24V 150AH	24V 180AH	24V 200AH	24V 230AH
Solar panel	200W 36V Poly	260W 36V Poly	300W 36V Poly	360W 36V Poly	450W 36V Poly
Solar charge controller	Programable MPPT	●	●	●	●
Pole height	6~10 meters	8~12 meters	8~14 meters	10~14 meters	10~14 meters
Certificates	CE ROHS CB	●	●	●	●
Warranty	5 years	●	●	●	●

Remark :

1. The led power is adjustable freely by remote control.
2. There is lead acid battery and LiFePO4 battery are optional.
3. More types of street light heads are available

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