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Reduces light pollution  
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# MUSE

SOLAR BOLLARD LIGHT

SOLAR WALL LIGHT





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Designed for Nature



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# MUSE

Solar Bollard Light  
Solar Wall Light

- IK10 Vandal Resistant
- Hidden base design
- Motion Sensor
- Dark Sky Friendly

The MUSE solar bollard light offers a futuristic design with a five-year warranty for public space outdoor lighting applications where the benefits of IK10 vandal resistance are required. The 6.2W solar panel is protected by a polycarbonate cover exceeding IK10 vandal-resistant performance.

The newly designed, high-capacity 38.4WH LifePO4 battery combined with an intelligent lighting program provides 100% lighting output of up to 280 lumens for four hours before changing to a dimming program of 25% of full production to 100% when the PIR sensor is triggered. This program ensures up to four nights of lighting on a single full charge of the battery. The mission of MUSES is to comply with the requirement of the Dark Sky Association by limiting the upward light waste ratio (UWLR) to <1%. Limiting upward light reduces environmental light pollution and protects the view of our night sky for all.

We also offer the MUSES Solar bollard light in a wildlife-friendly version retaining all the features of the original product. Wildlife-Friendly lighting is specifically designed to minimize the ecological impact that traditional lighting has on sea turtles, bats, frogs, and many insects, especially near the ocean. Many of these animals navigate by moonlight reflecting off the ocean, artificial light from development near these habitats is often mistaken for moonlight creating disorientation. The MUSES is a solar bollard light for gardens, walkways public parks as well as ecologically sensitive areas.

## Light Performance

Product name	MUSE   AI-GL275S
Lighting	1.2W 280lm SMD3030 24pcs
Light head diameter	275mm
Fixture material	Aluminium die casting + PC + tempered Glass
Fixture color	Black RAL9011   Anthracite grey RAL 7016
CRI	>82
IP & IK rate	IP65 & IK10
CCT range	2200K ~ 6000K
Beam angle	120 degree

## LifePO4 Battery

Battery type	Brand new LifePO4 32700 6000mA 3.2V
Battery capacity	38.4WH 3.2V
Battery lifetime	6000 cycles @ D.O.D 80%
Charge & Discharge time	4.5 hours & >36 hours
Working temp.	-15 °C ~ 70 °C
Battery autonomy	3 - 4 days with motion sensor

## Solar Panel

Peak Power	6.2W
Rated Voltage	5V
Cell Type	MONO crystallinesilicion
Cell Efficiency (%)	>22.5%
Lifetime	>20 years

## Control System

Control method	Automatic dusk to dawn
Working mode	2Hrs 100% + 5Hrs 30% (70% While Triggered + 4hrs 20% + 6hrs 10% (40% while Triggered)
Max PV power	20W
Max load power	5W
Sensor type	PIR motion sensor
System voltage	3.2V
Detection distance	8 meters max
Detection angle	120 degree
Working temp.	-15 °C ~ 70 °C

## Package

Model number	AI-GL275R
Light dimension	φ275 * H900mm
Light head package	280*280*220mm
Pillar package	115*115*690mm
N.W / G.W ( one set)	5.70KG / 6.40KG



Solar Bollard Light

Model number	AI-GL275R/W
Dimension	323*275*195mm
Carton dimension	350*590*430mm
Qty/CTN	4pcs/CTN
N.W / G.W ( per CTN)	12.80KG / 14.50KG



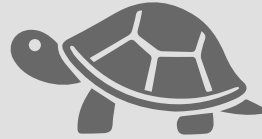
Solar Wall Light

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

## Product Feature



IK10 vandal resistant  
for outdoor lighting



Wild animals friendly  
without lighting pollution



Hidden base with inner screw  
more elegant & neat finishing



36 hours backup  
with fully charged battery



LED power is automatically  
adjusted to save energy.



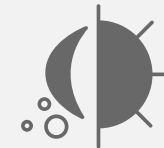
High luminous flux output  
up to 280lm performance



LiFePO4 battery inside  
more than 10 years lifetime



Equipped PIR motion  
sensor to save energy

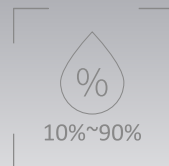
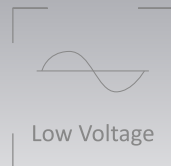


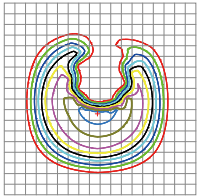
ON - OFF  
Dusk to Dawn  
automatically ON/OFF



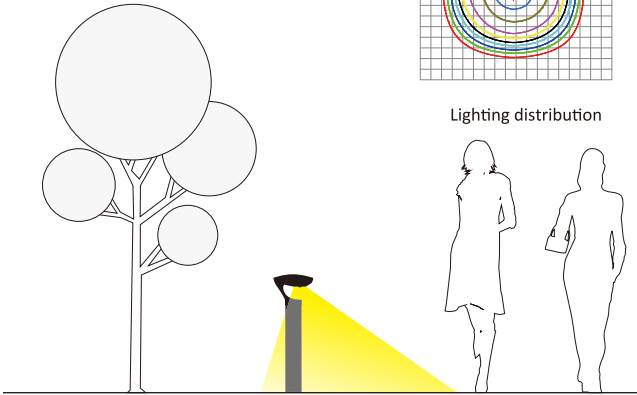
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Unit : mm

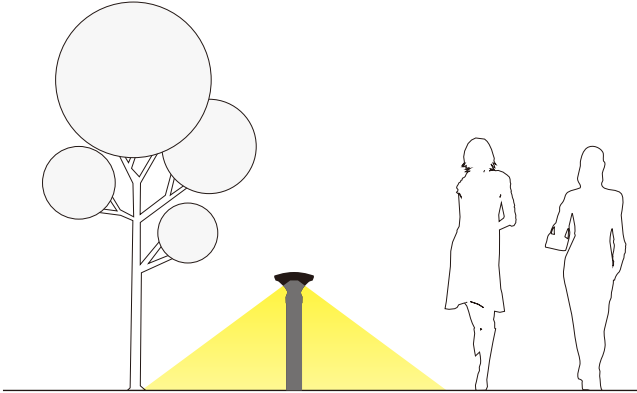




Lighting distribution



Side view



Front view

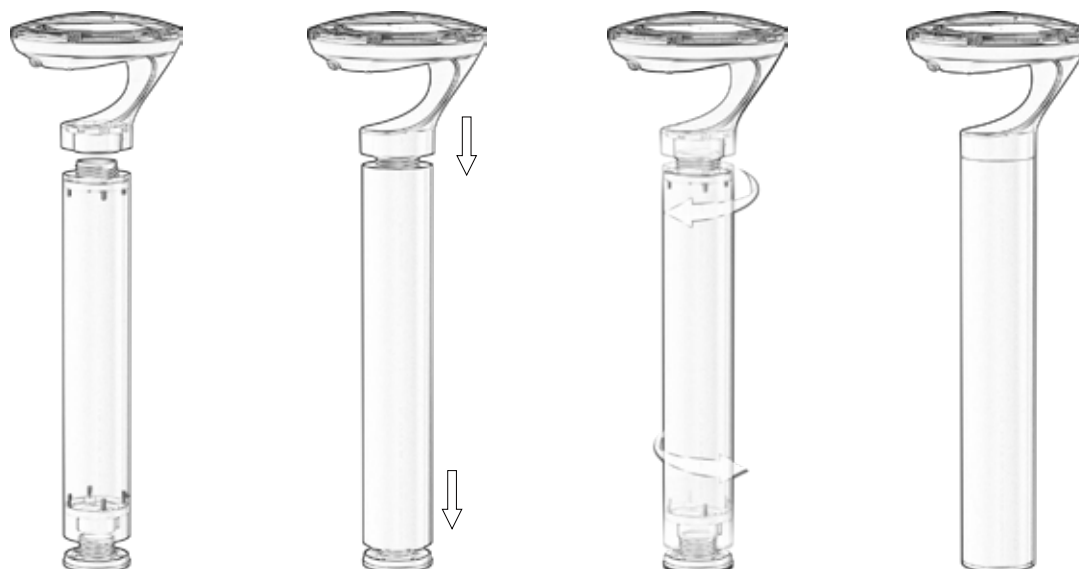




## Installation with invisible Screws

MUSE solar lawn light adopts a compact structure design, which has the characteristics of simple installation and a beautiful appearance.

The connection between the lamp head and the lamp pole, and the connection between the lamp pole and the base adopts a threaded design. After installation, the lamp head and pole are fixed by a fixing screw and played a good anti-theft effect. All accessories are made of die-cast aluminum, which is firm and strong. The threaded design is also used between the base and the light pole. When installing, first fix the base to the ground with 4 M6 explosive screws, then twist the lamp to the base through the thread, and finally use a screw to connect the base to the light. The column is locked. All the screws are invisible, meet a very good anti-theft standard, beautiful and elegant, suitable for high-end lighting projects.

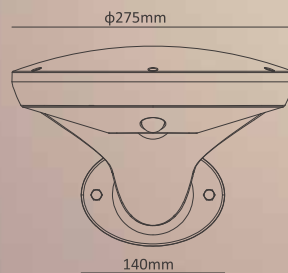
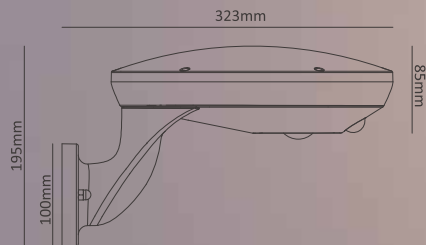




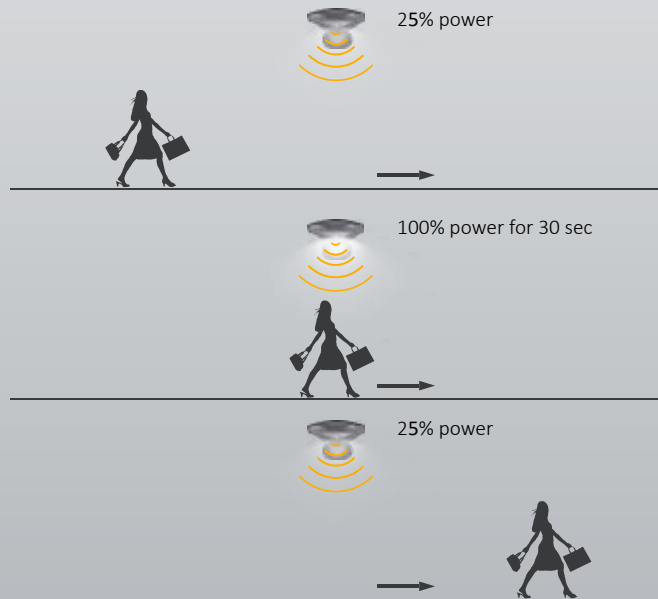


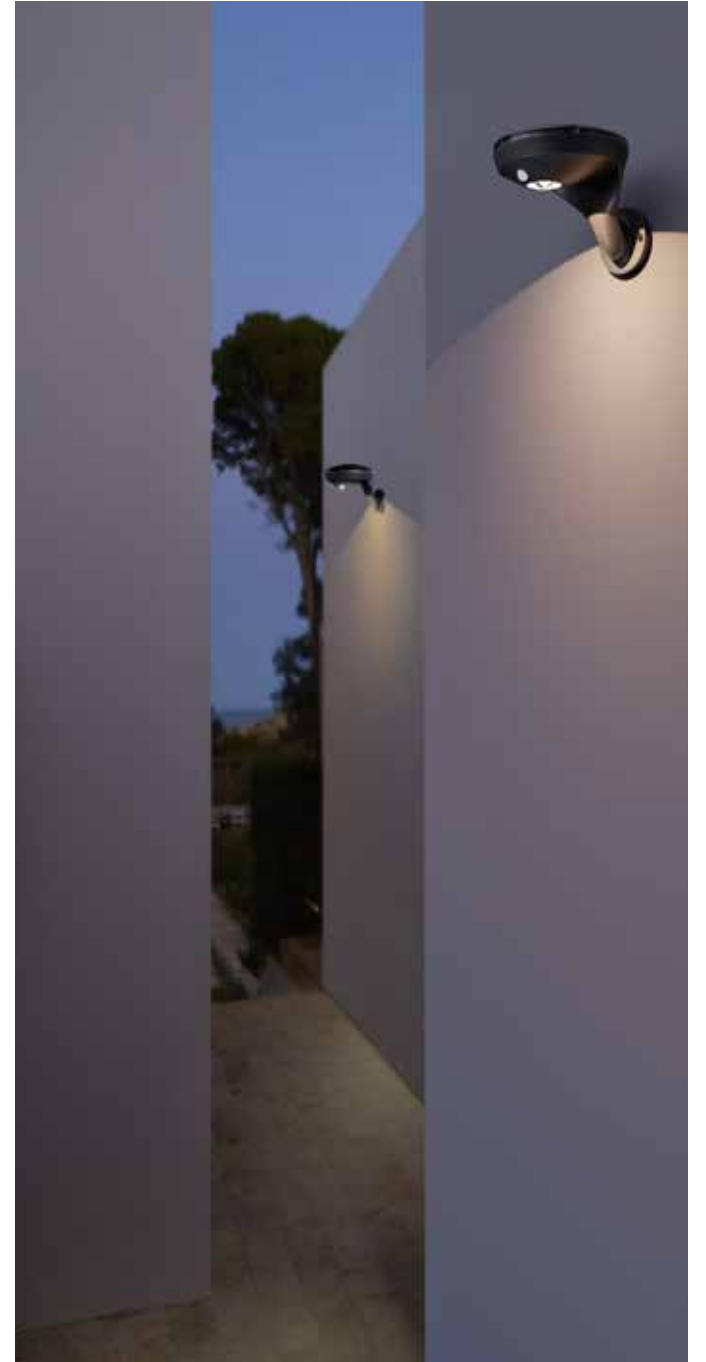
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