



**DARKSKY
APPROVED**

Reduces light pollution
Certified by DarkSky.org



DUALCOM
TECHNOLOGY

MUSE Solar Wall Light

Solar Powered | Lithium LiFePO4 | Dark Sky Friendly
IK10 Vandal Resistant | Motion Sensor

The MUSE Solar Wall 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 MUSE 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 |
| Lighting | 1.2W 280lm SMD3030 24pcs |
| Light head diameter | 275mm |
| Fixture material | Aluminium die casting + PC + tempered Glass |
| Fixture color | Black RAL9011 |
| CRI | >82 |
| IP & IK rate | IP65 & IK10 |
| CCT range | 3000K |
| Beam angle | 120 degree |

LifePO4 Battery

| | |
|------------------|----------------------------------|
| Battery type | LifePO4 32700 6000mA 3.2V 38.4WH |
| Battery capacity | 3.2V 6000 cycles @ D.O.D 80% |
| Battery lifetime | 4.5 hours & >36 hours |
| Battery Warranty | 2 years |
| Working temp. | -15 ~ +70 Celcius |
| 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 | 4H 100% + 13H 25% with 100% when sensor is 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 ~ +70 Celcius |

Package

| | |
|------------------|--------------------|
| Model number | SOL-IK10-MUSE-WALL |
| Dimension | 323*275*195mm |
| Carton dimension | 350*590*430mm |



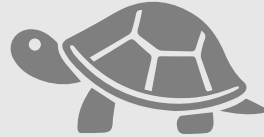
Solar Wall Light

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

