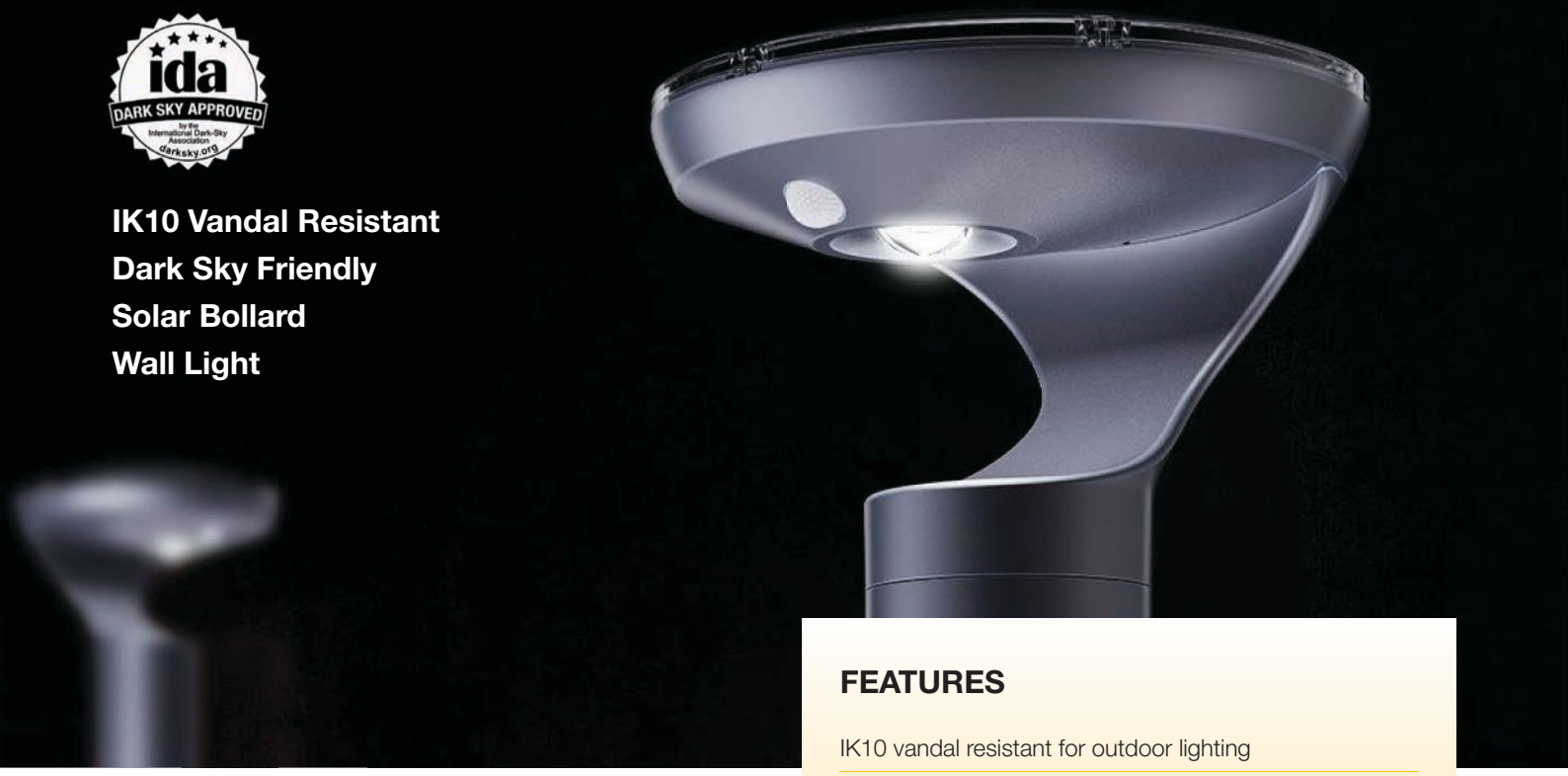
LightSource SOLAR AUSTRALIA

Muses Solar Powered Bollard Light



IK10 Vandal Resistant
Dark Sky Friendly
Solar Bollard
Wall Light

FEATURES

- IK10 vandal resistant for outdoor lighting
- Wildlife friendly version available
- Hidden base with inner screw gives an elegant and neat appearance
- 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
- Dusk to Dawn automatically ON/OFF

The MUSES is offered as a solar powered bollard and wall light. It is suitable for gardens, walkways and public parks. Muses can also be used in ecologically sensitive areas.

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 the night sky.

The MUSES 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 also 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 30% 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.

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 on many animals and insects.

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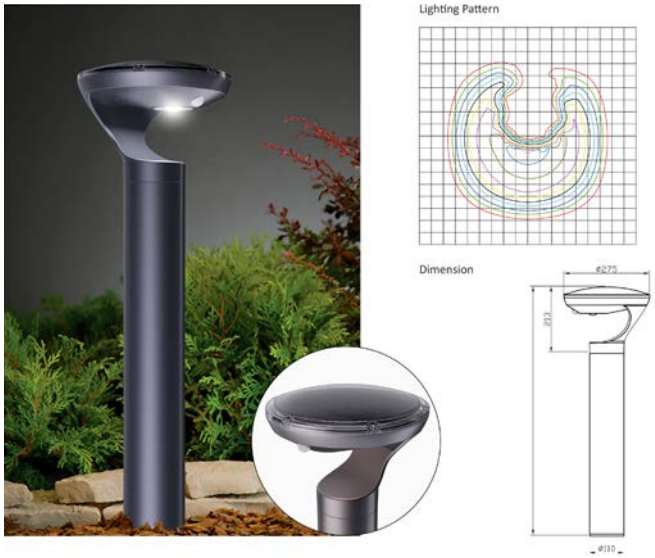
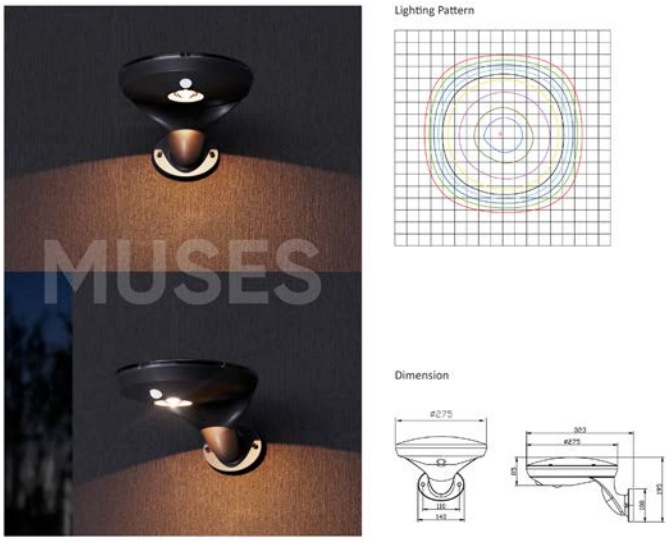
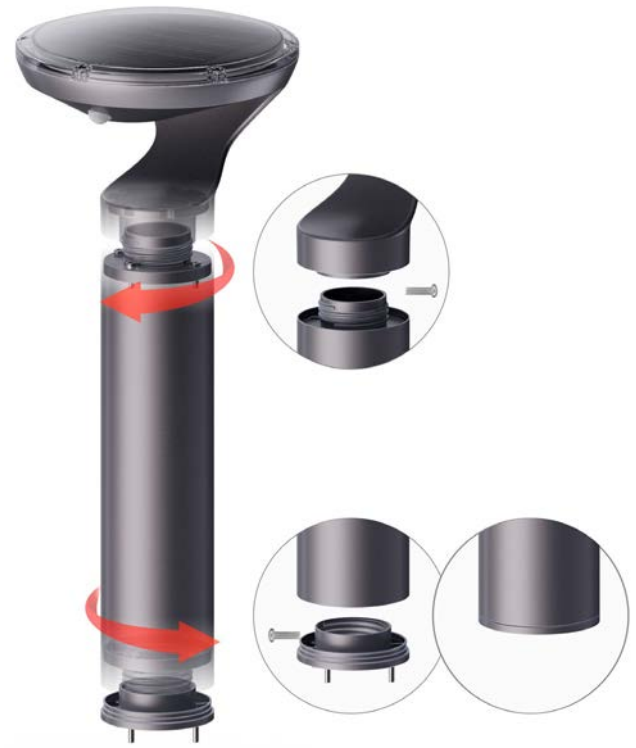
Fixture Dimension







Hidden Base Design

MUSES Solar Powered Bollard adopts a compact structure design, which has the characteristics of simple installation and beautiful appearance.

The connection between the lamp head and the pole, and the connection between the pole and the base adopts a threaded design. After installation, the lamp head and the lamp pole, and the pole and the base are fixed by a fixing screw.

When installing, first fix the base to the ground with 4 M6 explosive screws/dynabolts, 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, beautiful, and elegant - suitable for high-end lighting projects.

All accessories are made of die-cast aluminum.

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Muses Solar Powered Bollard Light
Specification

Technical Data

Lighting Performance

Product name	**MUSES | AI-GL275S**
Lighting	**1.2W 280lm SMD3030 24pcs**
Light head diameter	**275mm**
Fixture material	**Aluminium die casting + PC + tempered Glass**
Fixture colour	**Black RAL9011 Anthracite grey RAL 7016**
CRI	**>82**
IP & IK rate	**IP65 & IK10**
CCT range	**3000K | 4000K | 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**
Discharge time	**>24 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**
Default working mode	**4H 100% + 12H 30% +100% at detection**
Max PV power	**20W**
Max load power	**5W**
Sensor type	**PIR motion sensor**
System voltage	**3.2V**
Direction disctance	**8 metres max**
Direction angle	**120 degree**
Working temp.	**-15°C ~ 70°C**

Package

Item name	**MUSES Solar Bollard Light**
Light dimension	**275 * H900mm**
Light head package	**280*280*220mm**
Pillar package	**115*115*690mm**
N.W / G.W (one set)	**5.70KG / 6.40KG**
Item name	**MUSES Solar Wall Light**
Dimension	**335*285*205mm**
Carton dimension	**350*590*430mm**
Qty/CTN	**4pcs/CTN**
N.W / G.W (one set)	**12.80KG / 14.50KG**

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