



BASSO Solar Bollard Light

Technical Specifications



Carbon Neutral



Long Life Battery



Vandal Resistant



Secure Fixings

The BASSO solar bollard light offers a futuristic design with a three-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 30% and transitioning 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. It has been Vizona's mission to offer a bollard which is compliant with the requirement of the Dark Sky Association by limiting the upward light waste ratio (UWLR) to <math><1\%</math>. Limiting upward light reduces environmental light pollution and protects the view of our night sky for all. We also offer the BASSO 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 BASSO is a solar bollard light suitable for walkways, public open space, parks, building precincts as well as ecologically sensitive areas.



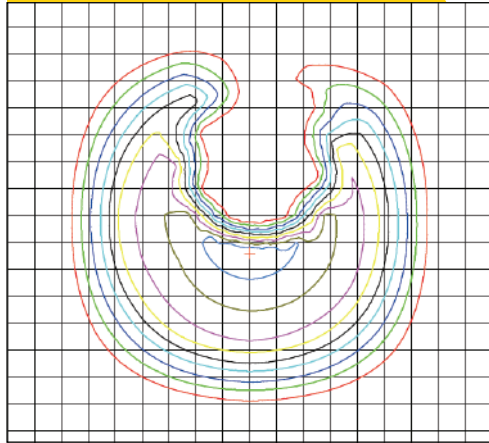
Wildlife Friendly Lighting



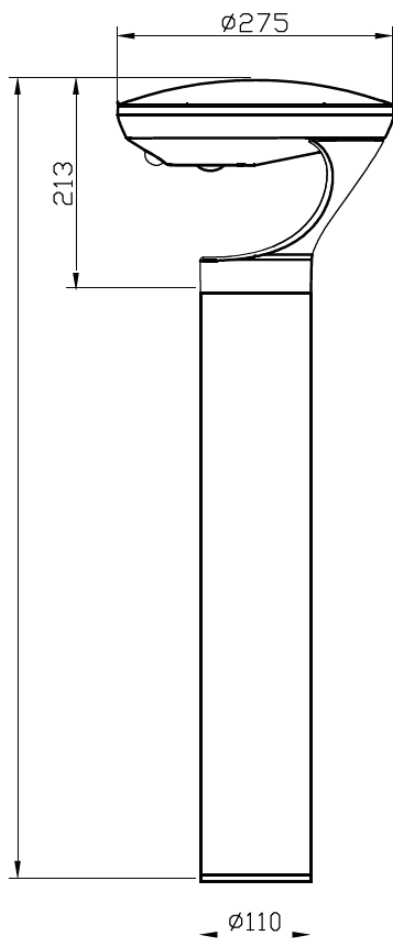
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Photometric Data



Even Light Distribution



Dimensions



IK10 - Heavy Duty Polycarbonate Cover



Robust Aluminium Column



Twist fit to conceal fixings

**Additional footing assembly available.*

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Light Performance

Type:	BASSO Solar Bollard Light
Lighting	1.2W 280lm SMD3030 24pcs
Light head diameter	275mm
Fixture material	Aluminium die casting + PC + tempered Glass
Fixture color	Black RAL 9011 Anthracite grey RAL 7016
CRI	>82
IP Rating	IP65
IK Rating	IK10
CCT range	3000K 4000K 6000K
Beam angle	120 degree

LifePO4 Battery

Type:	BASSO Solar Bollard Light
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

Type:	BASSO Solar Bollard Light
Peak Power	6.2W
Rated Voltage	5V
Cell Type	Mono Crystalline Silicon
Cell Efficiency (%)	>22.5%
Lifetime	15 years +

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Control System

Type:	BASSO Solar Bollard Light
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
Detection distance	8 meters max
Detection angle	120 degree
Working temp.	-15°C~ 70°C

Package

Type:	BASSO Solar Bollard Light
Light dimension	φ275 x H900mm
Light head package	280 x 280 x 220mm
Pillar package	115 x 115 x 690mm
N.W / G.W (one set)	5.70KG / 6.40KG

Installation

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

All components are made of die-cast aluminium, which are a very robust construction. The base can be fixed to a concrete pad or pavement with 4 x M6 expandable fixings or alternatively Vizona offers a purpose made footing assemblies with threaded bolts which is cast into a footing. The connection between the base and column and the column and the light head are by a threaded method. After the column and light head are twist fitted, set screws are applied to secure their location. All the screws are invisible, giving the bollard a good anti-theft characteristic.

