

MIRA SOLAR BOLLARD



Designed in aluminum and treated to withstand the harshest conditions, the Solux solar bollards will be perfect for all your lighting, marking, and beautification applications for your outdoor living spaces with total energy autonomy. Equipped with high-efficiency solar cells, the light fixture charges in the sun but also in cloudy weather, ensuring **optimal lighting throughout the year.**

NOMINAL POWER	4 WATTS
LIGHTING	
Efficiency	
Chips LED	PHILIPS Luxeon 30-30
LED lifetime	Over 80 000 hours LM80
Optics/CCT	T-V / 2300K to 6500K (Dual CCT optional)
Light Height	
BATTERY	
•,	Lithium Iron Phosphate LIFEPO4
Capacity	
Autonomy	Over 24 hours at full charge - 4 Rainy Days back up
0 0	
Lifespan	Over 3000 CYCLES @ 80% DOD over 10 years Lifetime
Working temp 14 °	°F to 158°F(optional -40°F to 158°F) -10°C to 70°C - <i>(optional -40°C TO 70°C)</i>
ENERGY	
	10 Wc
• •	Monocrystaline Panel Grade A 25 years
Certificates	IEC 61215 - IEC 61730 I and II - IEC 60904
ELECTRONIC	
Sensor	PIR 180° sensor (optional)
DIMENSIONS	
Product	
Carton size	
Weight	22,05 lb (10 KG)
Materials	Die cast aluminum
Installation	
	SL-006







CERTIFICATIONS

IEC / TUV / EMC / LM-79- 08 and LM-80 test standards / IK8 / IP65 / CE / ULOR



* Solux offers a 5 Year Limited Warranty for the Solar Bollar-Series luminaire to be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers all components when installed and operated according to Solux instructions. Fixture suitable for ambient temperature from -10° to 50°. PV Panels - 20 year performance warranty Controller & Batteries: 5 years

MIRA - SOLAR BOLLARD - DATA SHEET / Page 1 of 5



991 South Gull Lake Dr Richland, MI 49083





LUMINAIRE & LEDS

The **MIRA** bollard incorporates the latest LED technologies, its elegance and ease of installation will meet your lighting needs.

MIRA is equipped with LED chips, combining performance and robustness with 120 lumens per watt.

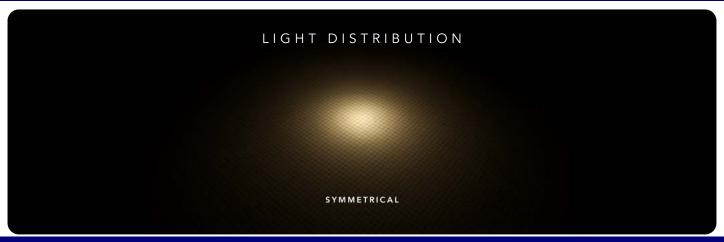
A TOTAL OF 480 LUMENS

Our light fixture also complies with current standards concerning light pollution.

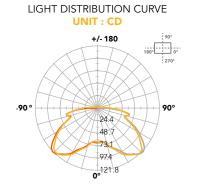


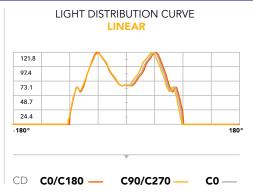


SYMMETRICAL DISTRIBUTION



PHOTOMETRIC CURVE





MIRA - SOLAR BOLLARD - DATA SHEET / Page 2 of 5

sales@gordonbullard.com www.bullardbollards.com 1-877-964-4646

991 South Gull Lake Dr Richland, MI 49083 USA

Due to the dynamic nature of lighting products and the associated technologies, luminaire data on all sheet sheets is subject to change at the discretion of Gordon Bullard LLC and associated companies.



BATTERY LIFEPO4

OVER 10 YEARS LIFESPAN

The MIRA bollard is equipped with Lithium Iron Phosphate LIFEPO4 batteries, recognized as the best battery technology in terms of longevity, safety, and performance for solar applications. Our batteries enjoy a lifespan of over 3000 cycles, which is more than 10 years at 80% DOD.

EXTREME TEMPERATURE

14°F to 158°F (- 10 °C TO 70 °C)

While standard batteries benefit from an operating temperature of -10°C to 70°C, Solux offers as optional a new Special LIFEPO4 battery with working range of -40°F to 158°F -40°C to 70°C.



BMS ELECTRONIC PROTECTION BATTERY MANAGEMENT SYSTEM

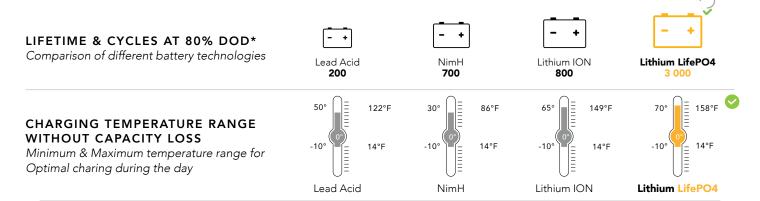
Our batteries are equipped with **electronic circuit boards for a higher protection**, ensuring battery functioning optimization in any situation.

THE BMS PROTECTS AGAINST

OVER/UNDER CURRENT • OVERLOAD • OVER/UNDER VOLTAGE • OVER/UNDER CHARGE • TEMPERATURE MANAGEMENT



COMPARISONS OF DIFFERENT BATTERY TECHNOLOGIES



MIRA - SOLAR BOLLARD - DATA SHEET / Page 3 of 5

sales@gordonbullard.com www.bullardbollards.com 1-877-964-4646

991 South Gull Lake Dr Richland, MI 49083 USA

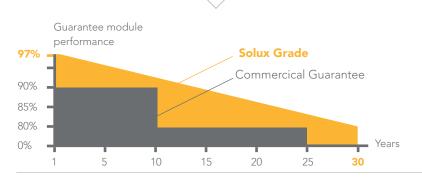


SOLAR PANEL

10 WATTS

Encapsulated Monocrystalline Solar Panel **Grade A** Solar Cell with Tempered Glass.

OUR PV PERFORMANCE GUARANTEE

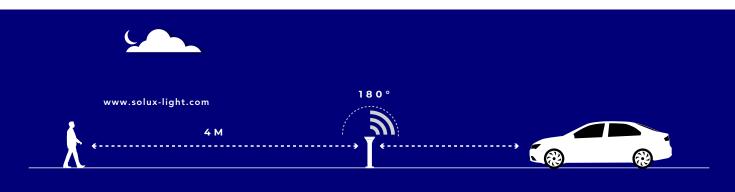


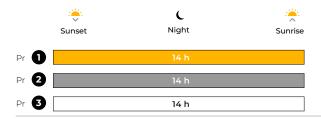


PRESENCE DETECTOR INFRA-RED SENSOR

THE MIRA BOLLARD AUTOMATICALLY TURNS ON AT DUSK AND OFF AT DAWN.

Solux offers optional PIR movement sensor. The infra red detector integrated into the light fixture will increase the light power as pedestrians or vehicles pass, thus providing a higher level of safety while respecting the environment.





Depending on the geographical area, we will select the % of light reduction.

Program 1 > 40% Dim + 100% ON during 20 sec

Program 2 > 30% Dim + 100% ON during 20 sec□ Program 3 > 20% Dim + 100% ON during 20 sec

MIRA - SOLAR BOLLARD - DATA SHEET / Page 4 of 5

sales@gordonbullard.com www.bullardbollards.com 1-877-964-4646 **C**



991 South Gull Lake Dr Richland, MI 49083

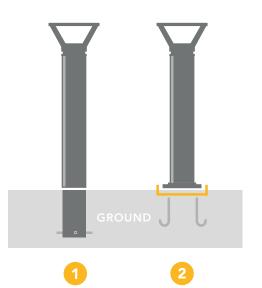
Due to the dynamic nature of lighting products and the associated technologies, luminaire data on all sheet sheets is subject to change at the discretion of Gordon Bullard LLC and associated companies.



EASY INSTALLATION

NO CABLING • NO TRENCHING

No wiring or trenching is necessary, you just need to embed the MIRA in concrete or on anchor rods.

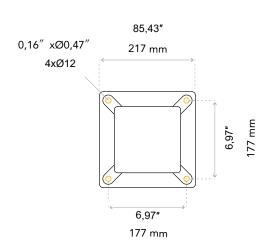


DIRECT BURRIED

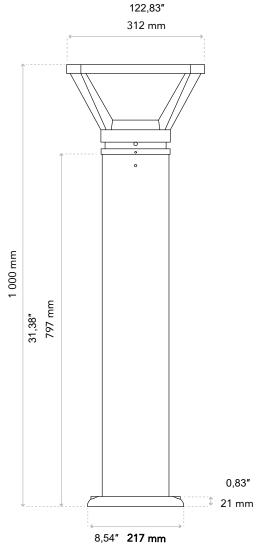
FLAT MOUNT

DIMENSIONS

BOLLARD AND BASE



39,37"



*All dimensions are in mm

MIRA - SOLAR BOLLARD - DATA SHEET / Page 5 of 5



991 South Gull Lake Dr Richland, MI 49083