



Solar LED Bollard, 20W, 2200lm, 5000K, IP65, LiFePO4 Battery

- Delivers 2200lm at 100 lm/W efficacy from a 20W LED source
- 5000K color temperature with CRI of 70 for visibility on walkways
- Integrated 26650 LiFePO4 battery, 6000mAh at 6.4V for overnight run time
- Dual monocrystalline solar panel array rated 10.5Wp+9.5Wp
- IP65-rated aluminum ADC12 housing operates from -20 to 60°C
- Carries CE and RoHS certification with a 5-year warranty

OVERVIEW

The Lumipro Solar LED Bollard is a self-contained outdoor lighting fixture designed for illuminating walkways, pathways, and pedestrian areas without grid power. It operates on an integrated solar charging system, making it suitable for installations where trenching or electrical infrastructure is not practical.

The fixture delivers 20W of LED output at 5000K color temperature with a lumen output of 2200lm and an efficacy of 100 lm/W. Power is stored in a high-performance 26650 LiFePO4 battery, supporting consistent overnight operation. The solar panel configuration consists of a 10.5Wp and 9.5Wp dual monocrystalline silicon array. The housing is constructed from ADC12 aluminum alloy with UV-resistant properties, rated IP65 for protection against dust and water ingress, and operates across an ambient range of -20 to 60°C.

This product carries CE and RoHS markings and is backed by a 5-year warranty.

SPECIFICATIONS

OPTICAL

Luminous Flux	2,200 lm
Efficacy	100 lm/W
Color Temperature	5,000 K
CRI	70
LED Lifetime	50,000 h
Light Color	White

MECHANICAL

Finish	grey
Material	aluminum

ORDERING

Warranty	5 y
----------	-----

ELECTRICAL

Operating Voltage	120-277 V
Wattage	20 W

ENVIRONMENTAL

IP Rating	IP65
Ambient Operating Temperature	-20-60 °C -4-140 °F

CERTIFICATIONS & COMPLIANCE



CE



RoHS Compliant

APPLICATIONS

- Pedestrian walkways and footpaths
- Park and garden pathway lighting
- Parking lot perimeter delineation
- Off-grid pathway lighting where trenching is impractical
- Campus and municipal walkway lighting

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
lumens	2,200 lm	db	high
efficacy_lm_per_w	100 lm/W	db	high
cct_k	5,000 K	db	high
cri	70	db	high
led_lifetime_h	50,000 h	db	high
color	White	db	high
operating_voltage	120–277 V	db	high
wattage	20 W	db	high
finish	grey	db	high
material	aluminum	db	high
ip_rating	IP65	db	high
ambient_temp_c	-20–60 °C	db	high
warranty_years	5 y	db	high

Specifications subject to change without notice.