

# Solar PV Systems

## Bollard lighting

### Solar PV Systems bollard light technical values

#### High performance ground mounted LED for all applications

##### Lighting features

Led light	1.5w
Luminous flux capacity	280 Lm
Minimum CRI (colour rendering index)	>82
Optic	Asymmetric for lighting
Automatic dimming 30%	100% when triggered
Electrical protection	Short Circuit, Overvoltage, Overcurrent, Overheat
Dusk until dawn PIR sensor	UK customers use working mode 4 25% background until triggered to 100%

##### Solar panel

System power	6.5w
System voltage	5v
Cell efficiency	22.5%

##### Battery

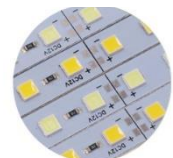
Battery	LiFePo4 @ 3.2v (38.4wh)
DOD	6000 cycles DOD 80%
Discharge time on full power	24hrs
Temperature	-15°C ~ + 75°C

##### Photometric features

LED source type	SMD3030
Amount	24 pcs
Colour temperature	3000-5000k
Beam angle	120°
Depreciation factor	L70 > 50,000h
Life	90% > 20 years
Effective	DARK SKY COMPLIANT

##### Constructive features

Body material	Aluminium die casting tempered Glass
Lens material	Tempered glass
Installation	Ground mounted
Dimensions	275mm diameter x 900mm high
Protection grade	IP65
Impact grade	IK10
Weight	12.8kg
Warrenty	5 years



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