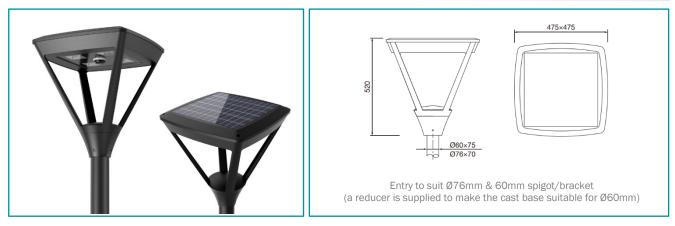


Sofia Solar



Sample Specification Text

Sofia Solar post top luminaire with 56 LED 12W light engine. Integrated 18W monocrystalline solar panel with 22% efficiency. 3,000K colour temperature using an Area – Symmetric optic. Aluminium body in black and flat toughened glass glazing. IP66 and IK09 protection. 100,000 hour (L90 B10) lifetime. With 12.8V / 12Ah / 154Wh integral lithium iron phosphate (LiFePO4) battery and solar charge controller. Class III.

Performance

Output (luminaire flux) Power	1,800lm 12W	Moun
Estimated Autonomy	up to 2 days with presence detection	
Number of LEDs	enabled 56	
Number of LEDS		
Colour Temperatures	2,700K	
	3,000K	
	4,000K	
Colour Rendering Index (CRI)	70	
Distributions	Road - Type 1	
	Road - Type 2	
	Area - Symmetric	
	Area - Asymmetric	
Oertifications		

Mechanical

Mounting Options	Post top Ø76mm
	Post top Ø60mm
Glazing	Flat toughened glass
Housing	Aluminium
Colours	Black RAL 9005
	Anthracite Grey RAL 7016
	Metallic Grey RAL 9007
Finish	Polyester powder coat with a
	matt finish
IP Rating	IP66
IK Rating	IK08
Weight	10.9kg
Windage	0.148 ^m ²

Certifications UKCA, CE

Electrical

Driver Options	Switched (on/off) Dimmable
Solar Panel Type	Monocrystalline
Solar Panel Power	18W
Solar Panel Efficiency Rating	22%
Battery Type	Lithium iron phosphate
	(LiFePO4)
Battery & Estimated Autonomy	12.8V / 12Ah / 154Wh (~ 2
	days)
Electrical Class	Class III
Solar Charge Controller	Integral
Rated Lifetime	100,000 hours (L90 B10)

Controls

Control Options

Dimming set via solar charge controller Presence detector

Due to continuous product development, the specification details are subject to change at any time. Please contact us for the most up-to-date information or visit <u>www.dwwindsor.com</u> Tested at an ambient temperature of 25°C. Tolerance of +/- 7% on luminous flux and +/- 5% on power.