



Entry to suit Ø76mm & 60mm spigot/bracket
(a reducer is supplied to make the cast base suitable for Ø60mm)

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

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	0.148m ²

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
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