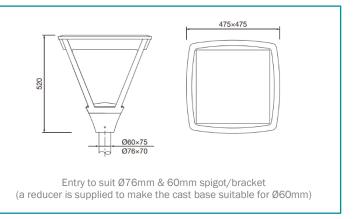


Sofia Solar





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 RAL 9005 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

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

Metallic Grey RAL 9007

Finish Polyester powder coat with a

matt finish

IP Rating IP66
IK Rating IK08
Weight 10.9kg

Windage 0.148m²

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 12.8V / 12Ah / 154Wh

Electrical Class III

Solar Charge Controller Integral

Rated Lifetime 100,000 hours (L90 B10)

Controls

Control Options

Dimming set via solar charge

controller

Presence detector