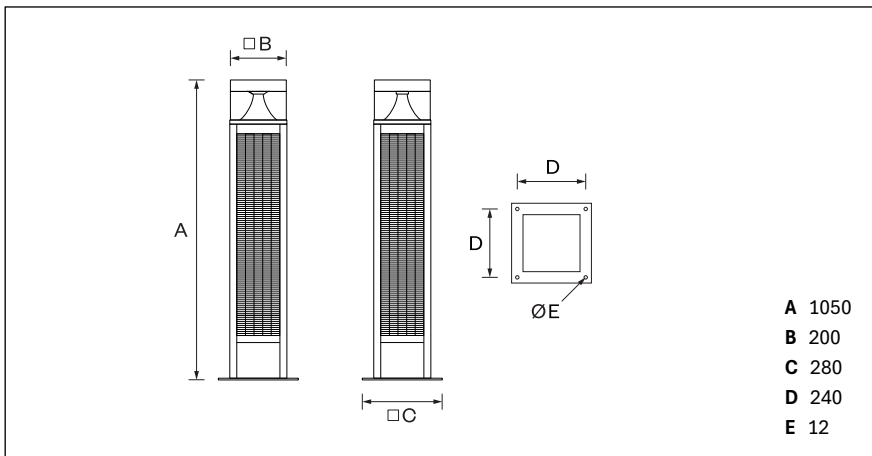
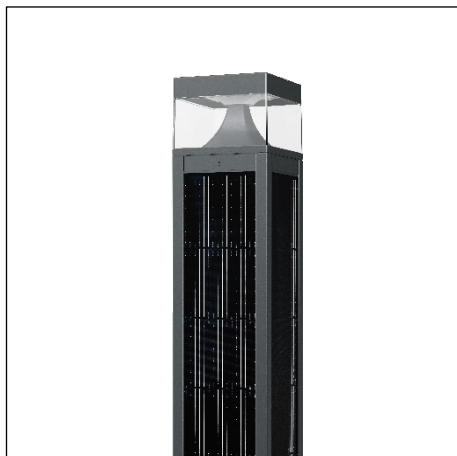




Sample specification text

Sierra Bollard solar luminaire with aluminium housing. Flange plate mounting. RAL 9005 Black fine texture finish. Polyester powder coat. Integrated 88W photovoltaic panel. 230.4Wh lithium iron phosphate (LiFePO4) battery with programmable MPPT charge controller. Integrated microwave presence detector. 8 LED light engine. 3000K colour temperature. Diamond+ symmetric optic. Drive current set to 1050mA. IP65 and IK08 protection. 100,000 hours lifetime. Class III.

Performance

Lumen output	1,300lm (max)
Power	10W (max)
Efficacy	130lm/W (max)
Light source	Performance LED
LED quantity	8
Colour temperature	2200K
	2700K
	3000K
	4000K
Colour rendering index	70
Colour consistency	5 SDCM
Distribution	Symmetric
	Asymmetric
Certification	UKCA, CE

Mechanical

Mounting options	Flange plate
	Bolt-on root
Housing	Aluminium
Glazing	Polycarbonate
Colour	RAL 9005 Black fine texture finish
Paint type	Polyester powder coat
IP rating	IP65
IK rating	IK08
Weight	13kg

Electrical

Charge controller	Programmable MPPT
Solar panel material	Monocrystalline
Solar panel type	Integrated
Solar panel size	88W (4x22W)
Battery type	Lithium iron phosphate
Battery capacity	230.4Wh (12.8V)
Electrical class	Class III
Rated lifetime	100,000 hours (L80)

Control & Connectivity

Dimming	Pre-programmable
Configurable	Yes
Sensor	Integrated microwave sensor