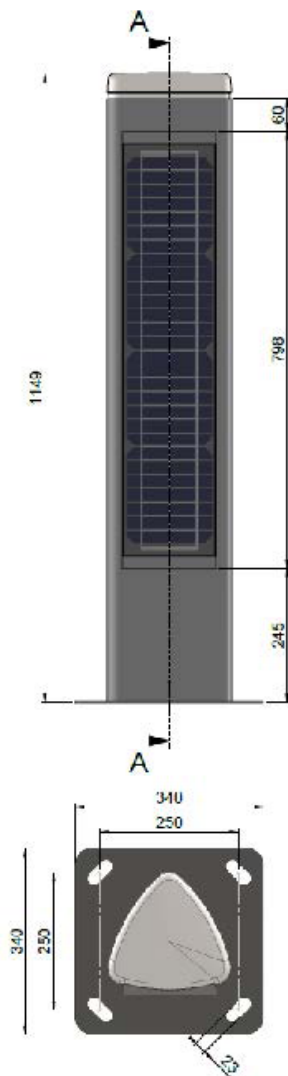


DATA SHEET

PLECTRE SUN



PRODUCT DESCRIPTION

The PLECTRE SUN bollard is a stand-alone, self-sufficient solar cell column for professional exterior LED lighting systems.

The integrated controller management system [PRI-LED] allows management of the individual lighting profile.

MATERIALS

Due to the choice of materials such as, recyclable aluminum and Glass, PLECTRE SUN BOLLARD is a clean, eco-friendly product:

- 100% carbon-neutral operation
- 19% Monocrystalline solar cells
- 100% recyclable materials
- Integrated light control

BENEFITS

- 100 % green solution
- No expences for cabling - 100% stand alone
- No costs for operation
- Aesthetic design

COLUMN	
Total height	1149 mm
Column	Extruded aluminium profile Ø250/4 mm
Hatch / optional USB port	Below luminaire (Alternative 400 x 95 MM)

PLECTRE SUN PV MODULES	
Technology	Monocrystalline 19,6% Silicium cells
Dimensions	800x172 mm
Peak output total	37 Wp (2x 18,5 Wp)
Solarcell protection cover	3 mm tempered glass
Operation temperature	-30°C to +85°C

LUMINAIRE	
Material	PMMA
Technology	LED
Numbers of LED	3
Wattage	Max. 9 W
Color temperature	2700-3500K
Life	50.000 h
Certification	RoHS

BATTERY	
Technology	NIMH
Battery Voltage	12 Volt
Depth of discharge	120 Wh
Operating temperature	-20°C- + 70°C
Expected lifetime / functional warranty	10-15 years
Weight	1,9 KG
Autonomy	4 days

CONTROL UNIT	
Operation mode	Monocrystalline 18% Silicium cells
Operation voltage	1590 x 166 mm (min. 3 - max 6 modules per side)
Operation temperature	-40°C to + 70°C
Luminaire control	2-9W, dimmable
Time control	PV light level sense
Charge control	Direct current limited