

SOLAR POLIS FV



The Solar Polis FV is a photovoltaically powered LED luminaire optimized to work even in the months with less solar irradiation, thanks to the intelligent dimmer and the integrated sensor technology that allows, in case of installation in green or pedestrian areas, to manage different operating profiles. Upon request, it is also possible to install an IoT device for status remote control.

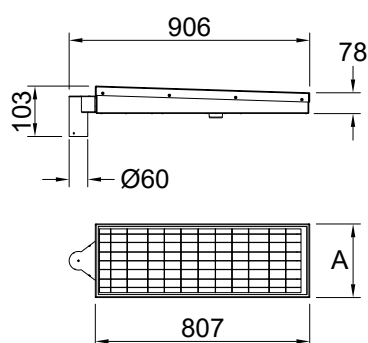
FEATURES

- Fully integrated photovoltaic panel.
- Color: RAL 9005.
- Suitable for powers from 6 W (max 48° latitude) to 21 W (max 36° latitude).
- System efficiency > 150 lm/W.
- Battery: Lithium LiFePO4 with BMS.
- Autonomy without sunlight: 7 days (Ta=25°C).
- Full cut-off optics for street or yard type installations.
- Degree of protection: IP66.

TECHNICAL DATA

LED type	Detas by Lumileds
Step Mac-Adam	3
LED driver	Constant Current
Nominal Input voltage [V]	12,8
Surge protection	10kV
Efficiency up to	150lm/w
Rated abrupt failure value Tp,Tc	F10 @ 100.000h, <0,02% @ 1000h
Rated median useful life [hrs] @Tc	L90B10 >100.000h
Power factor	>0,95
Housing material	Aluminum
Protective glass type	Tempered
Glass thickness [mm]	4
Colour temperature	2200K - 3000K - 4000K - 5700K
Colour rendering index (CRI)	>70
Degree of protection (EN 60529)	IP66
IK code (EN 62262)	IK09
Insulation class	III
Operating temperature [°C]	-10 ÷ +50
Wind-exposed surface [m²]	Side: 0.08m² / Top: 0.23m²
Housing colour	RAL9005 Jet black
Weight [Kg]	10

DIMENSIONS



Model	(A)
SOLAR POLIS	277 mm
SOLAR POLIS 2	554 mm

OPTICS

201A	205A	206A	208A	213A	214A
215A	217A	218S	247A	250A	277A

Other optics available on the website

MODELS

	Total power [W]	Overall flux [lm]	Optical flux [lm]
8D230	6	900	1110
8D340	9	1332	1665
8D460	12	1764	2220
8D450	11	1617	2035
8D650	16	2272	2960
8D840	21	2919	3885

Reference configuration: Optic 206A - 4000 K



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