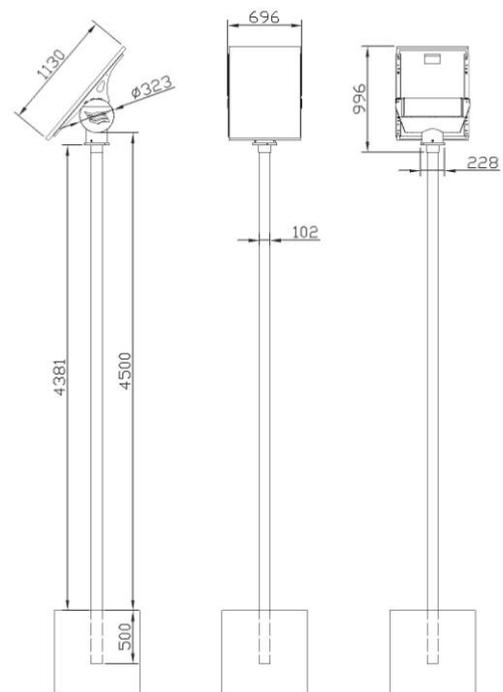


## LED PV Lamp for bicycle and pedestrian paths and urban areas

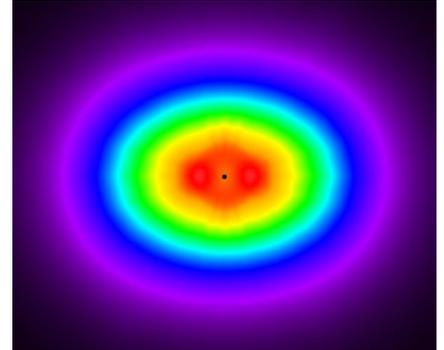
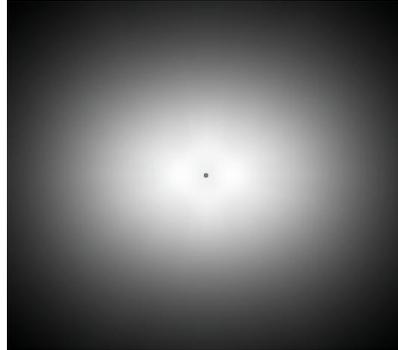
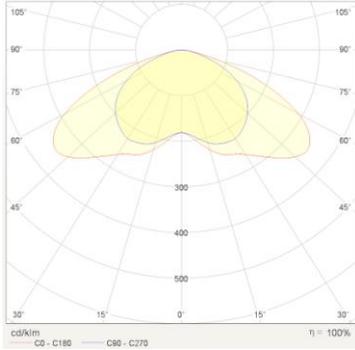
LIGHTING FEATURES	
LED source efficacy @ $I_f=700\text{mA}$ , $T_f=25^\circ\text{C}$ [lm/W] *	144
Color temperature	4000K
Minimum CRI (color rendering index)	70
IESNA TM-21 LED useful lifetime @ $I_f=1200\text{mA}$ *	> 100.000 hours @ L70(6k) – $T_s=85^\circ\text{C}$
Optic	Selectable through a switch on the control electronic box: Bicycle/Pedestrian Asymmetrical / Symmetrical flat
Photometric classification CIE 1965	Cut-off
Luminaire luminous flux - Symmetrical flat version @ $T_a=25^\circ\text{C}$ [lm] **	2620
Luminaire luminous flux – Bicycle/Pedestrian Asymmetrical version @ $T_a=25^\circ\text{C}$ [lm] **	2330
Company logo back-lighting	Red LED
ELECTRICAL FEATURES	
Electrical insulation class	III (SELV)
LED current - Symmetrical flat version [mA]	570
LED current – Bicycle/Pedestrian Asymmetrical version [mA]	1140
Motion/Presence Detection	n. 2 IR sensors
Dimming	Automatically through a self-management software that is dependent from IR detection and battery state-of-charge
Luminous flux reduction value	To 25% or to 50%
Luminaire power symmetrical flat version [W] **	27,5
Luminaire power asymmetrical version [W] **	29
PV module	Poly-cristalline Silicon 100Wp 12V (36 solar cells)
Storage system	12V 100Ah AGM Lead Battery
Control electronic	MPPT charge controller + constant current LED driver
Wireless control (optional)	Bluetooth / GSM
GENERAL FEATURES	
Luminaire IP degree	IP 65
Control electronic IP degree	IP 66
Weight [Kg]	70
Fxing	Top-pole $\varnothing 102\text{mm}$
PV module tilt angle	$25^\circ / 50^\circ$
Hours of lighting per night	Max. 12h
Available colors	White / Micaceous Grey
Omologations	CE Mark
Warranty [years]	5 (battery not included)
MATERIALS	
Top-pole junction	Cataphoresis treatment and varnished steel
Cylindrical box	
PV module fixing stirrup	Anodized aluminum
Luminaire body	
Luminaire screen	Trasparent PMMA thickness 3mm
Optic	PMMA
Company logo backlighting screen	Opal PMMA thickness 3mm



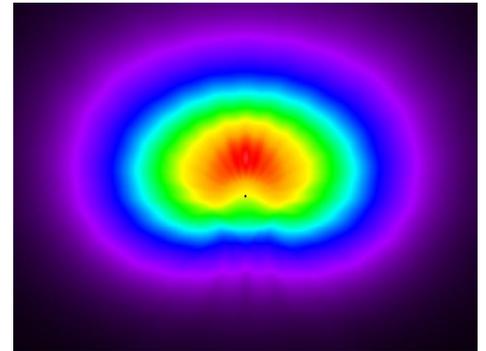
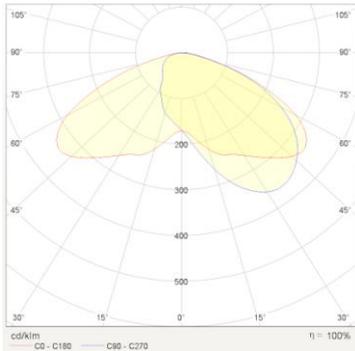
\* Rated data extrapolated from LED manufacturer datasheet  
 \*\* Rated data obtained in laboratory according to UNI EN 13032-4

## Photometric features

### Symmetrical flat version



### Bicycle/Pedestrian Asymmetrical version



The indicated values on this technical sheet are to be considered rated values subjected to a tolerance of +/-5%.  
The characteristics of the product listed above are subjected to change without notice.