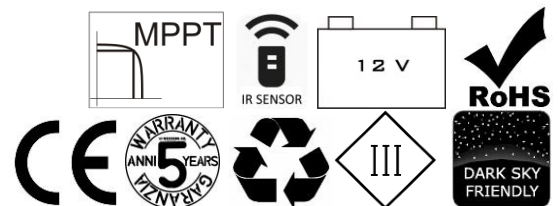
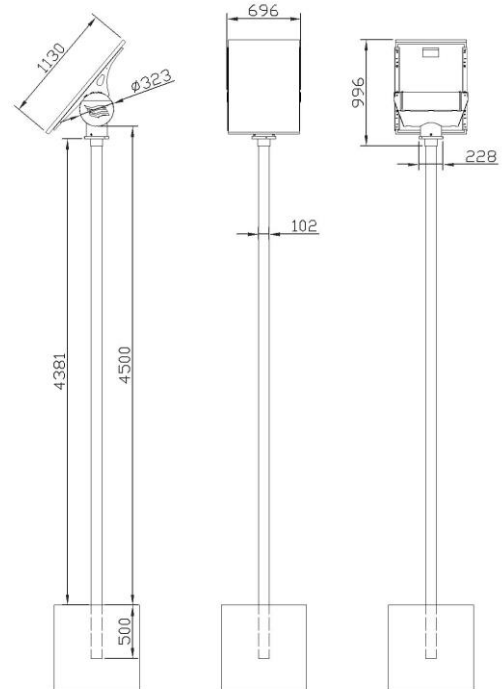


## Lampione FV a LED per piste ciclopedonali ed aree urbane

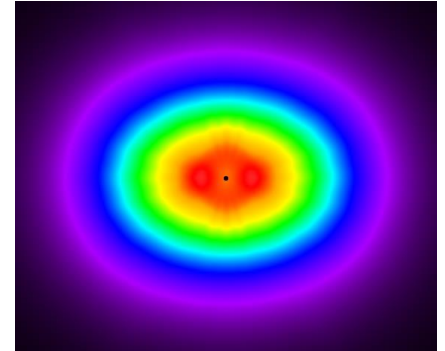
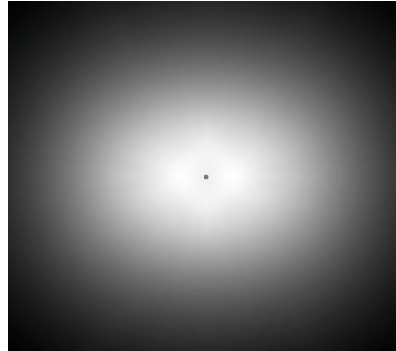
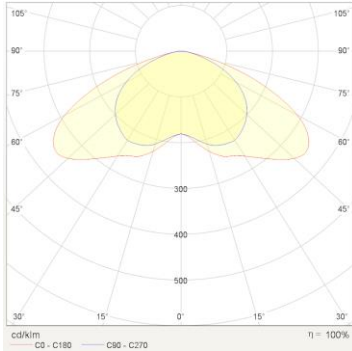
CARATTERISTICHE ILLUMINOTECNICHE	
Efficacia sorgente LED @ I <sub>f</sub> =700mA, T <sub>j</sub> =25°C [lm/W] *	144
Temperatura di colore	4000K
Minimo CRI (color rendering index)	70
IESNA TM-21 durata vita utile LED @ I <sub>f</sub> =1200mA *	> 100.000 ore @ L70(6k) -Ts=85°C
Ottiche disponibili	Asimmetrica per illuminazione ciclopedonale / Simmetrica piana
Classificazione fotometrica CIE 1965	Cut-off
Flusso luminoso apparecchio versione simmetrica piana @ Ta=25°C [lm] **	2620
Flusso luminoso apparecchio versione asimmetrica ciclopedonale @ Ta=25°C [lm] **	2330
Retroilluminazione logo aziendale	LED rosso
CARATTERISTICHE ELETTRICHE	
Classe di isolamento elettrico	III (SELV)
Corrente LED versione simmetrica piana [mA]	570
Corrente LED versione asimmetrica ciclopedonale [mA]	1140
Funzione rilevamento presenza/movimento	2 sensori IR
Riduzione di flusso luminoso	Automatica tramite software di autogestione legato ai sensori IR ed allo stato di carica della batteria
Valore riduzione flusso luminoso	Al 25% o al 50%
Potenza apparecchio versione simmetrica piana [W] **	27,5
Potenza apparecchio versione asimmetrica ciclopedonale [W] **	29
Modulo FV	Silicio policristallino 100Wp 12V (36 celle)
Sistema di accumulo: Dimensioni max. vano batteria:	Batteria Pb AGM 12V 100Ah 400x235x176 [mm]
Elettronica di controllo	Regolatore di carica MPPT + LED driver a corrente costante
Controllo wireless (optional)	Bluetooth / GSM
CARATTERISTICHE GENERALI	
Grado di protezione lampada LED	IP 65
Grado di protezione elettronica di controllo	IP 66
Peso [Kg]	70
Fissaggio	Testa-palo Ø102mm
Inclinazione modulo FV	25° / 50°
Ore accensione per notte	Max. 12h
Colori disponibili	Bianco / Grigio Micaceo
Omologhe	Marchio CE
Garanzia [anni]	5 (esclusa batteria)
MATERIALI	
Raccordo testa-palo Vano cilindrico	Acciaio con trattamento cataforetico Verniciato
Staffe ancoraggio modulo FV	
Corpo lampada LED	Alluminio anodizzato
Schermo lampada LED	PMMA trasparente sp. 3mm
Ottica	PMMA (polimetilmetacrilato)
Schermo retroilluminazione logo azienda	PMMA opalino sp. 3mm



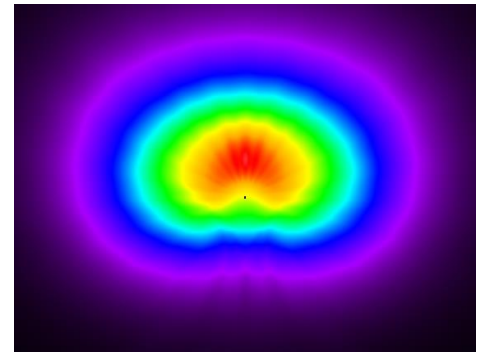
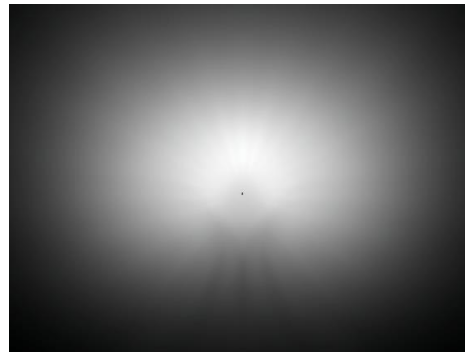
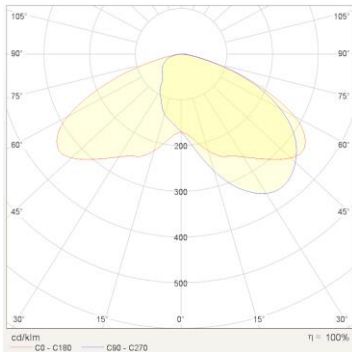
\* Dati estrapolati dai dati rilasciati dal costruttore del LED  
 \*\* Dati estrapolati da rilievo fotometrico c/o laboratorio accreditato in conformità alla UNI EN 13032-4

## Caratteristiche fotometriche

### Versione Simmetrica Piana



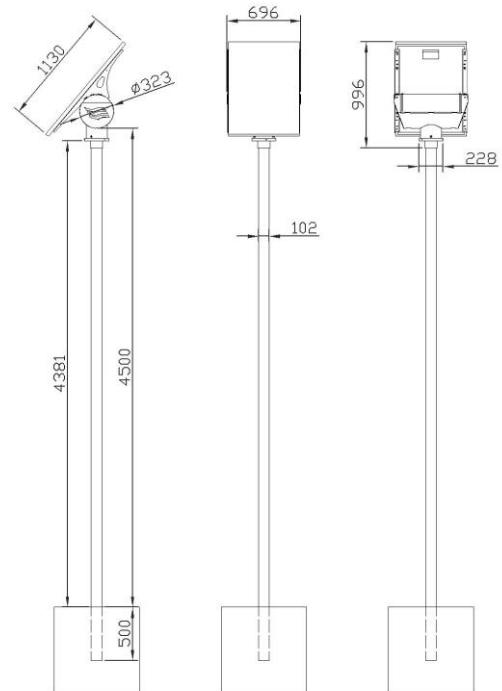
### Versione Asimmetrica Ciclopedonale



I valori indicati in questa scheda tecnica sono da considerarsi valori nominali con una tolleranza del +/-5%.  
Al fine di favorire un costante aggiornamento dei propri prodotti, Western CO si riserva il diritto di apportare modifiche senza preavviso.

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

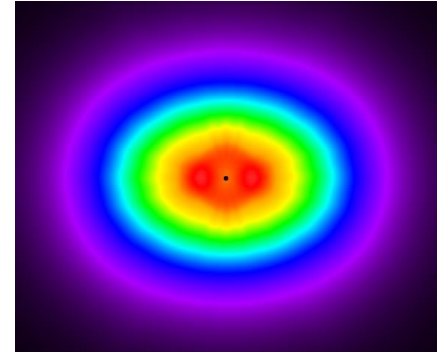
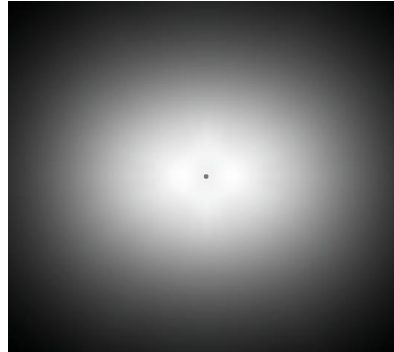
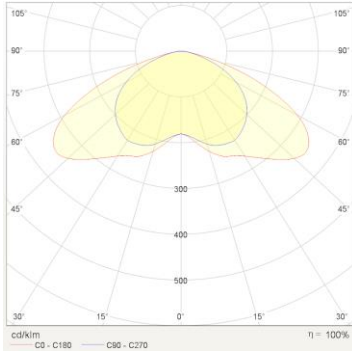
LIGHTING FEATURES		
LED source efficacy @ $I_f=700\text{mA}$ , $T_j=25^\circ\text{C}$ [lm/W] *	144	
Color temperature	4000K	
Minimum CRI (color rendering index)	70	
IESNA TM-21 LED useful lifetime @ $I_f=1200\text{mA}$ *	> 100.000 hours @ L70(6k) – $T_s=85^\circ\text{C}$	
Optic	Selectable through a switch 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: Max. battery box dimension:	12V 100Ah AGM Lead Battery 400x235x176 [mm]	
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 Cylindrical box PV module fixing stirrup	Cataphoresis treatment and varnished steel	
Luminaire body		Anodized aluminum
Luminaire screen		Trasparent PMMA thickness 3mm
Optic	PMMA	
Company logo backlighting screen	Opal PMMA thickness 3mm	



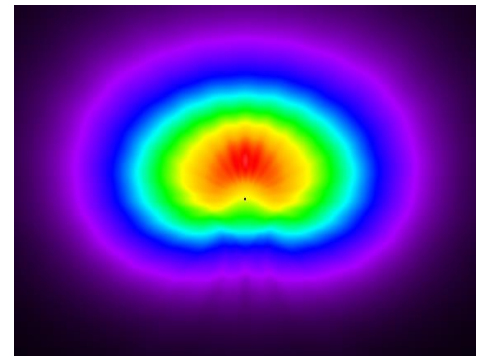
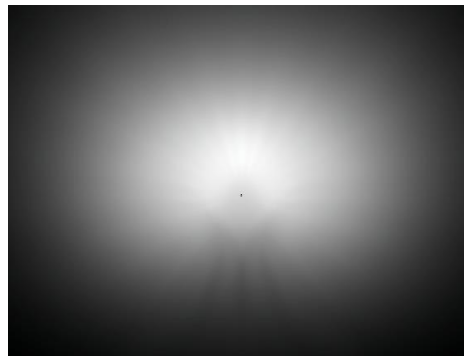
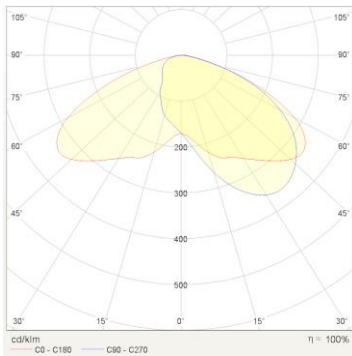
\* Rated data extrapolated from LED manufacturer datasheet  
 \*\* Rated data obtained in laboratory according to UNI EN 13032-4

## 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.