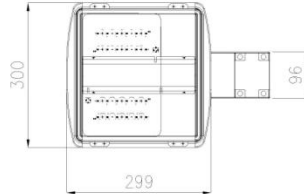
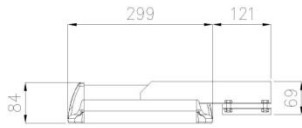
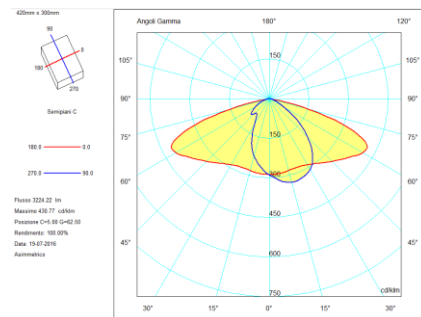
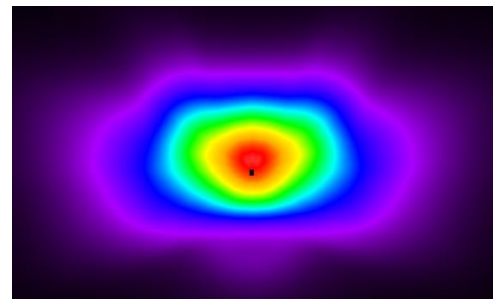
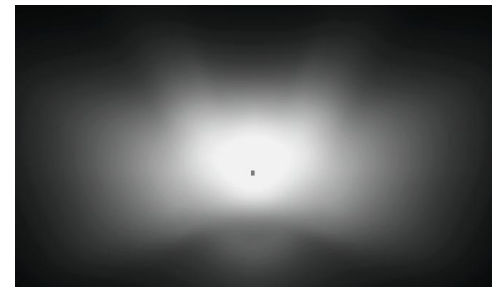


W-LIGHT LED Luminaire

Apparecchio stradale LED per applicazioni a Energia Solare



CARATTERISTICHE ILLUMINOTECNICHE	
Efficacia sorgente LED @ $I_f=350\text{mA}$, $T_f=25^\circ\text{C}$ [lm/W] *	176,3
Temperatura di colore	4000K
Minimo CRI (color rendering index)	70
IESNA TM-21 durata vita utile LED @ $I_f=1000\text{mA}$ *	> 100.000 ore @ L80(6k) -Tsp=85°C
Ottica	Asimmetrica per illuminazione stradale
Classificazione fotometrica CIE 1965	Semi Cut-off
CARATTERISTICHE ELETTRICHE	
Alimentazione	10 ±16 VDC
Classe di isolamento elettrico	III (SELV)
Corrente LED [mA]	330 / 480
Connessione	Connettore esterno IP68 da 3 poli (+VDC, -VDC, DIM) per cavo: massima sezione 4mmq massimo diametro esterno 13,5mm
Riduzione di flusso luminoso	Automatica o comandata da un regolatore di carica FV Western CO
Valore riduzione flusso luminoso	-30%
CARATTERISTICHE GENERALI	
Grado di protezione	IP 65
Grado di resistenza agli urti	IK08
Dimensioni [mm]	300 x 299 x 84
Peso [Kg]	8,25
Superficie laterale [m ²]	0,03
Superficie pianta [m ²]	0,10
Fissaggio	Braccio Ø60mm
Inclinazione	No
Omologhe	Marchio CE
Garanzia [anni]	5
MATERIALI	
Attacco a palo o braccio	Acciaio con trattamento cataforetico Verniciato nero
Corpo dissipante	Alluminio estruso anodizzato nero
Tappi	Alluminio pressofuso verniciato nero
Schermo	Vetro temperato extra-chiaro spessore 4mm
Ottica	PMMA (polimetilmetacrilato)
Accessorio decorativo	LED blu decorativo 5mm 15° installato su tappo lato strada



Versioni disponibili

CODICE	NUMERO LED	POTENZA APPARECCHIO @ Tq=25°C [W]**	CORRENTE LED [mA]	FLUSSO NOMINALE LED @ Tj=85°C [lm]*	FLUSSO APPARECCHIO @ Tq=25°C [lm]**	EFFICIENZA APPARECCHIO @ Tq=25°C [lm/W]**
WL12	12	12	330	1770	1620	135
WL18	12	18	480	2480	2260	125

* Dati estrapolati da quelli rilasciati dal costruttore del LED

** Dati estrapolati da rilievi fotometrici eseguiti c/o laboratorio accreditato eseguiti in conformità allo standard UNI EN 13032-4

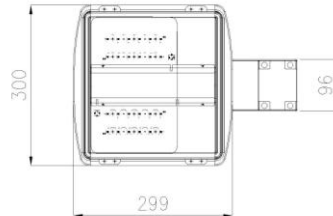
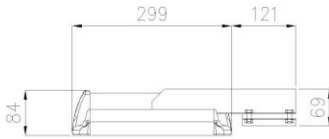
I valori indicati in questa scheda tecnica sono da considerarsi valori nominali con una tolleranza del +/-5%.

Al fine di favorire un costante aggiornamento dei propri prodotti, Western CO si riserva il diritto di apportare modifiche senza preavviso.

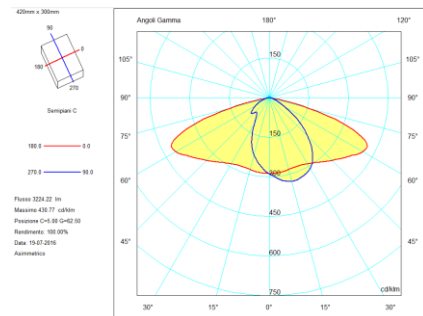
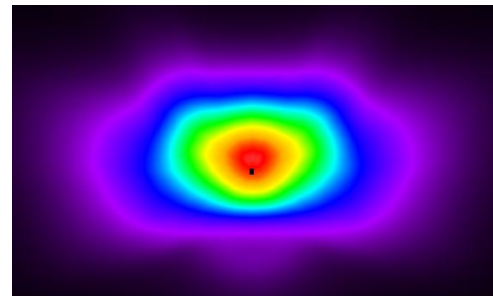
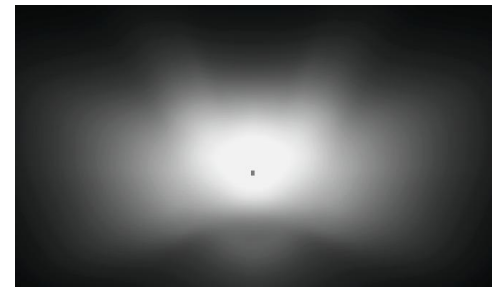
W-LIGHT

LED Luminaire

LED Luminaire for Solar Energy applications



LIGHTING FEATURES	
LED source efficacy @ $I_f=350\text{mA}$, $T_j=25^\circ\text{C}$ [lm/W] *	176,3
Color temperature	4000K
Minimum CRI (color rendering index)	70
IESNA TM-21 LED useful lifetime @ $I_f=1000\text{mA}$ *	> 100.000 hours @ L80(6k) - $T_{sp}=85^\circ\text{C}$
Optic	Asymmetric for street lighting
Photometric classification CIE 1965	Semi Cut-off
ELECTRICAL FEATURES	
Alimentazione	10 ÷ 16 VDC
Classe di isolamento elettrico	III (SELV)
Corrente LED [mA]	330 / 480
Connection	3 conductors (+VDC, -VDC, DIM) IP68 connector with cable: max section 4mm ² max total diameter 13,5mm
Luminous flux reduction	Automatic or controlled from Western CO PV charge regulator
Luminous flux reduction value	-30%
LED thermal protection	Control of heatsink temperature
GENERAL FEATURES	
Protection degree	IP 65
Impact resistance degree	IK08
Dimensions [mm]	300 x 299 x 84
Weight [Kg]	8,25
Side surface [m ²]	0,03
Top surface [m ²]	0,10
Fixing	Bracket Ø60mm
Tilt angle	No
Omologations	CE Mark
Warranty [years]	5
MATERIALS	
Pole or bracket coupling system	Cataphoresis treatment and varnished black steel
Heatsink body	Anodized black extruded aluminum
Caps	Varnished black die-cast aluminum
Screen	Tempered extra-clear 4mm thick
Optic	PMMA (polymethylmethacrylate)
Decorative accessory	Blue decorative LED 5mm 15° installed on the bicycle-pedestrian path side cap



Available versions

CODE	NUMBER OF LEDs	LUMINAIRE POWER @ Tq=25°C [W]**	LED CURRENT [mA]	NOMINAL LED FLUX @ Tj=85°C [lm]*	LUMINAIRE FLUX @ Tq=25°C [lm]**	LUMINAIRE EFFICIENCY @ Tq=25°C [lm/W]**
WL12	12	12	330	1770	1620	135
WL18	12	18	490	2480	2260	125

* Rated data extrapolated from LED manufacturer datasheet

** Rated data extrapolated from photometric measures executed in an accredited laboratory according to UNI EN 13032-4 rule

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.