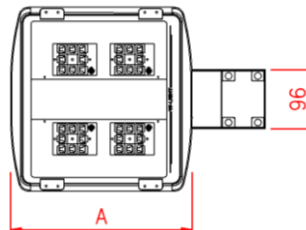
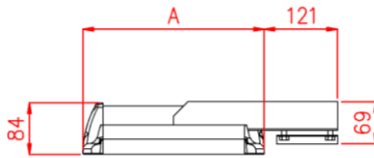


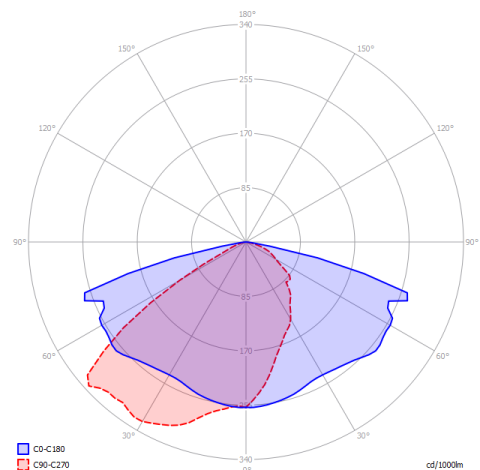
W-LIGHT

 LED Luminaire

Apparecchio stradale LED per applicazioni a Energia Solare



CARATTERISTICHE ILLUMINOTECNICHE	
Efficacia sorgente LED @ $I_f=350\text{mA}$, $T_j=25^\circ\text{C}$ [lm/W] *	171
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) - $T_{sp}=85^\circ\text{C}$
Ottica	Asimmetrica per illuminazione stradale
Classificazione fotometrica CIE 1965	Semi Cut-off
CARATTERISTICHE ELETTRICHE	
Alimentazione	10 ÷ 30 VDC
Classe di isolamento elettrico	III (SELV)
Corrente LED [mA]	650 / 820 / 960 / 1150
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 A x 84 A = 182 / 299
Peso [Kg]	6,0 / 8,3
Superficie laterale [m ²]	0,03 / 0,05
Superficie pianta [m ²]	0,10 / 0,15
Fissaggio	Braccio Ø60mm
Inclinazione	No
Omologhe	Marchio CE
Garanzia [anni]	5
MATERIALI	
Attacco a palo o braccio	Acciaio con trattamento cataforesi Verniciato
Corpo dissipante	Alluminio estruso anodizzato
Terminali	Alluminio pressofuso verniciato
Schermo	Vetro temperato extra-chiaro spessore 4mm
Ottica	PMMA (polimetilmetacrilato)



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]**	A [mm]	PESO [kg]	LATERALE/PIANTA SUPERFICIE [mm ²]
WL24	12	24,7	650	3360	2955	120	182	6,0	0,02 / 0,10
WL30	12	31,3	820	3912	3403	109			
WL36	12	37,4	960	4270	3716	101			
WL42	12	43,1	1150	4944	4302	100			
WL60	24	62,8	820	7824	6807	108	299	8,3	0,03 / 0,10
WL72	24	74,8	960	8544	7433	101			
WL84	24	86,2	1150	9888	8602	100			

* Dati estrapolati da quelli rilasciati dal costruttore del LED

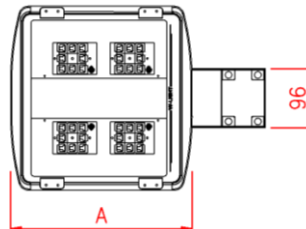
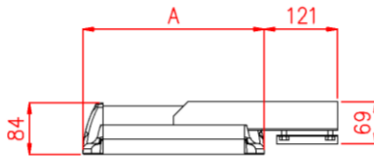
** Dati estrapolati da rilievi fotometrici eseguiti c/o laboratorio accreditato eseguiti in conformità allo standard UNI EN 13032-4

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

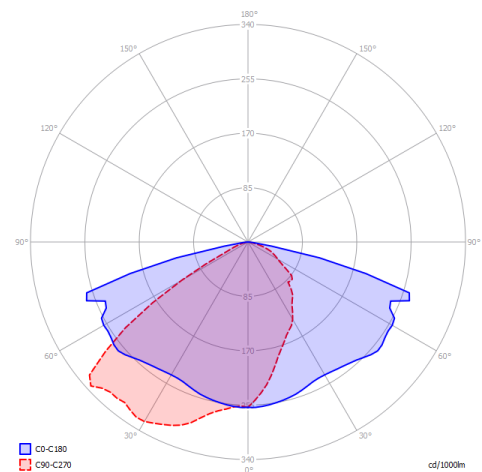
Al fine di favorire un costante aggiornamento dei propri prodotti, Western CO si riserva il diritto di apportare modifiche senza preavviso.

W-LIGHT LED Luminaire

Street LED Luminaire for Solar Energy applications



LIGHTING FEATURES	
LED source efficacy @ $I_f=350\text{mA}$, $T_j=25^\circ\text{C}$ [lm/W]	171
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	
Power supply	10 \pm 30 VDC
Electrical insulation class	III (SELV)
LED current [mA]	650 / 820 / 960 / 1150
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 A x 84 A = 182 / 299
Weight [Kg]	6,0 / 8,3
Side surface [m ²]	0,03 / 0,05
Top surface [m ²]	0,10 / 0,15
Fixing	Bracket \varnothing 60mm
Tilt angle	No
Omologations	CE Mark
Warranty [years]	5
MATERIALS	
Pole or bracket coupling system	Cataphoresis treatment and varnished steel
Heatsink body	Anodized extruded aluminum
Caps	Varnished die-cast aluminum
Screen	Tempered extra-clear 4mm thick
Optic	PMMA (polymethylmethacrylate)



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]**	A [mm]	WEIGHT [kg]	SIDE-TOP SURFACE [mm ²]
WL24	12	24,7	650	3360	2955	120	182	6,0	0,02 / 0,10
WL30	12	31,3	820	3912	3403	109			
WL36	12	37,4	960	4270	3716	101			
WL42	12	43,1	1150	4944	4302	100			
WL60	24	62,8	820	7824	6807	108	299	8,3	0,03 / 0,10
WL72	24	74,8	960	8544	7433	101			
WL84	24	86,2	1150	9888	8602	100			

* 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.