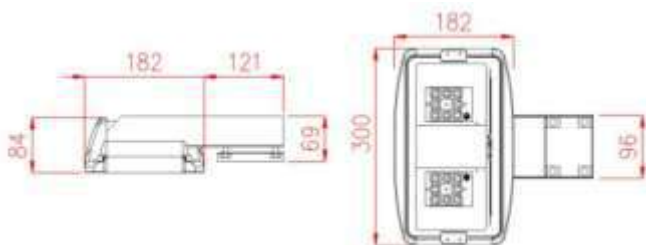


W-LIGHT

 LED Luminaire

Apparecchio stradale LED per applicazioni a Energia Solare


 Schermo in **vetro** 4.0mm

CARATTERISTICHE ILLUMINOTECNICHE

Efficacia LED @ $I_f=350\text{mA}$, $T_j=25^\circ\text{C}^*$	171 [lm/W]
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	650 / 820 / 960 / 1150 [mA]
Connessione	Connettore IP68 3 poli (+VDC, -VDC, DIM) massima sezione 4mmq massimo diametro cavo 13,5mm
Riduzione di flusso luminoso	Automatica o comandata da un regolatore di carica FV Western CO
Valore riduzione flusso luminoso	-30%
Temperatura operativa	-30°C / +57°C

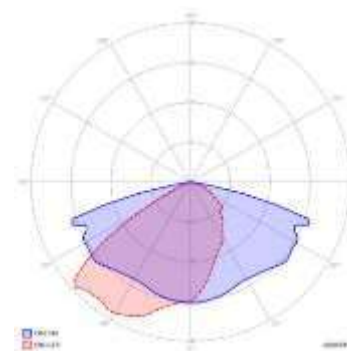
CARATTERISTICHE GENERALI

Grado di protezione	IP 66
Grado di resistenza agli urti	IK09
Dimensioni	300 x 182 x 84 [mm]
Peso	6,0 [Kg]
Superficie laterale	0,03 [m ²]
Superficie pianta	0,10 [m ²]
Fissaggio	Braccio Ø60mm
Inclinazione	No
Omologhe	Marchio CE
Garanzia	5 [anni]

MATERIALI

Attacco a palo o braccio	Acciaio con cataforesi verniciato argento stellato
Corpo dissipante	Alluminio estruso anodizzato
Terminali	Alluminio pressofuso verniciato
Schermo	Vetro temperato extra-chiaro spessore 4mm
Ottica	PMMA (polimetilmetacrilato)


 funzionamento fino a **57°C**

Algoritmo riduzione flusso


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 [mm²]
WL24N	12	24,7	650	3360	2955	120	182	6,0	0,02 / 0,10
WL30N	12	31,3	820	3912	3403	109			
WL36N	12	37,4	960	4270	3716	101			
WL42N	12	43,1	1150	4944	4302	100			

* Dati estrapolati da quelli rilasciati dal costruttore del LED

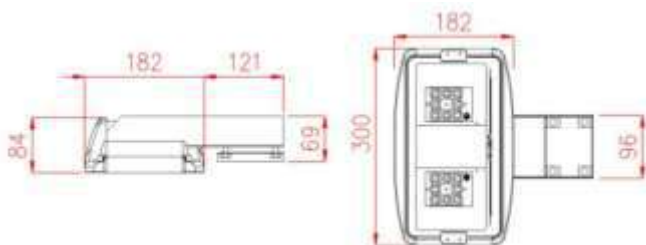
** Dati estrapolati da rilievi fotometrici eseguiti c/o laboratorio accreditato eseguiti in conformità allo standard UNI EN 13032-4

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



4.0mm thick glass

LIGHTING FEATURES

LED source efficacy @ $I_f=350\text{mA}$, $T_j=25^\circ\text{C}$	171 [lm/W]
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 ÷ 30 VDC
Electrical insulation class	III (SELV)
LED current	650 / 820 / 960 / 1150 [mA]
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%
Operative temperature	-30°C / +57°C

GENERAL FEATURES

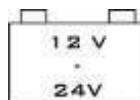
Protection degree	IP 66
Impact resistance degree	IK09
Dimensions	300 x 182 x 84 [mm]
Weight	6,0 [kg]
Side surface	0,03 [m ²]
Top surface	0,10 [m ²]
Fixing	Bracket Ø60mm
Tilt angle	No
Omologations	CE
Warranty [years]	5

MATERIALS

Pole or bracket coupling system	Cataphoresis and paint starry silver steel
Heat-sink body	Anodized extruded aluminium
Caps	Varnished die-cast aluminium
Screen	Tempered extra-clear 4mm thick
Optic	PMMA (polymethylmethacrylate)



operating up to 57°C


 Flux reduction algorithm
(only available by Western CO charge controller)


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]
WL24N	12	24,7	650	3360	2955	120	182	6,0	0,02 / 0,10
WL30N	12	31,3	820	3912	3403	109			
WL36N	12	37,4	960	4270	3716	101			
WL42N	12	43,1	1150	4944	4302	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.