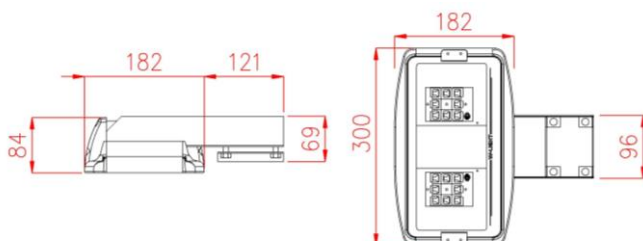


# W-LIGHT

 LED Luminaire

## Apparecchio stradale LED per applicazioni a Energia Solare


 schermo in **vetro** 4.0mm

### CARATTERISTICHE ILLUMINOTECNICHE

Efficacia LED @ $I_f=350\text{mA}$ , $T_j=25^\circ\text{C}^*$	178 [lm/W]
Temperatura di colore	4000K
Minimo CRI (color rendering index)	70
IESNA TM-21 durata vita utile LED @ $I_f=1050\text{mA}^*$	> 60000 ore @ L80(10k) – $T_{sp}=85^\circ\text{C}$
Ottica	Asimmetrica per illuminazione stradale
Classificazione fotometrica CIE 1965	Semi Cut-off

### CARATTERISTICHE ELETTRICHE

Alimentazione	10 $\pm$ 30 VDC
Classe di isolamento elettrico	III (SELV)
Corrente LED	650 / 820 / 960 / 1150 [mA]
Conessione	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



algoritmo riduzione flusso

### CARATTERISTICHE GENERALI

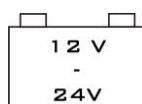
Grado di protezione	IP 65
Grado di resistenza agli urti	IK08
Dimensioni	300 x 182 x 84 [mm]
Peso	6.0 [Kg]
Superficie laterale	0.03 [m <sup>2</sup> ]
Superficie pianta	0.10 [m <sup>2</sup> ]
Fissaggio	Braccio $\varnothing$ 60mm
Inclinazione	No
Omologhe	Marchio CE
Garanzia	5 [anni]

### 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



**Versioni disponibili**

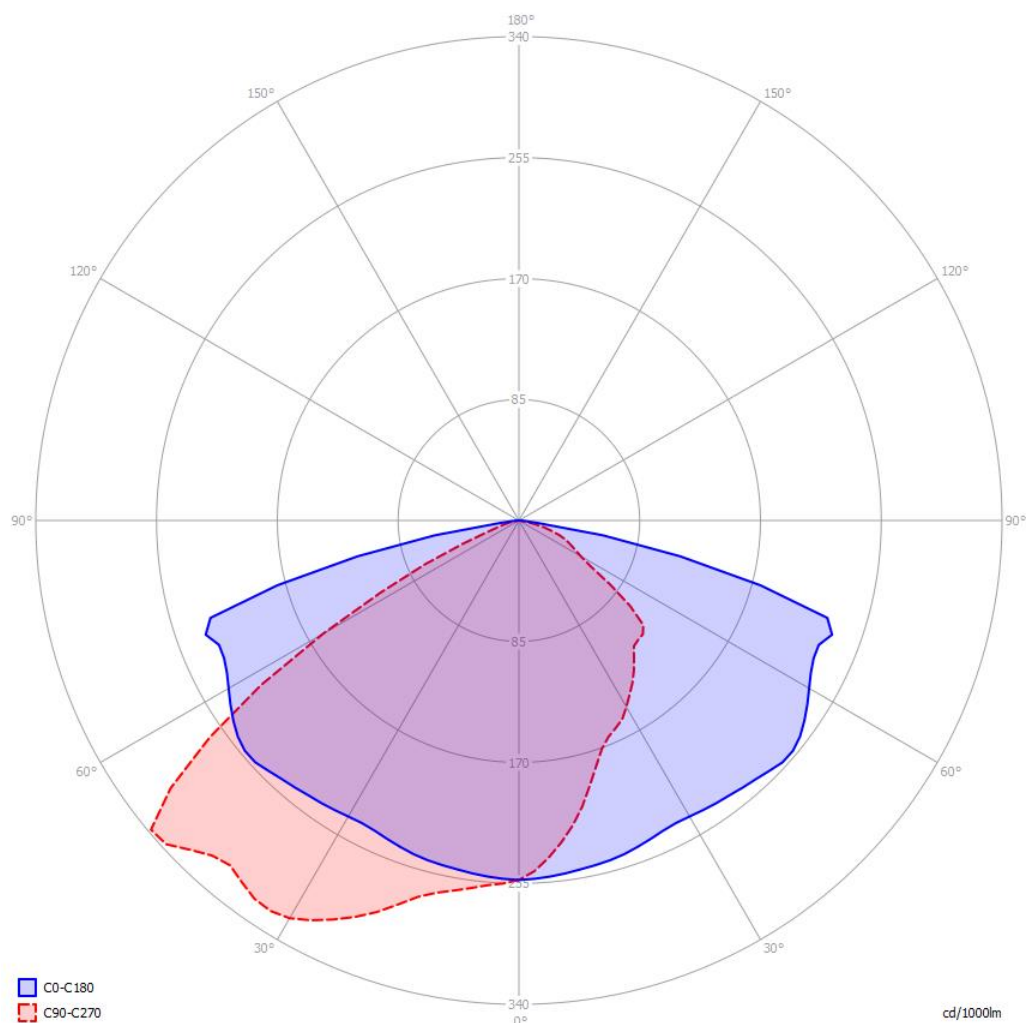
CODICE	NUMERO LED	POTENZA APPARECCHIO @ Tq=25°C [W]**	CORRENTE LED [mA]	FLUSSO NOMINALE LED @ Tj=85°C [lm]*	FLUSSO APPARECCHIO @ Tq=25°C [lm]**	EFFICIENZA APPARECCHIO @ Tq=25°C [lm/W]**	A [mm]	PESO [kg]	LATERALE/PIANTA SUPERFICIE [mm <sup>2</sup> ]
WL24N 017100	12	23.0	650	3785	3090	134	182	6.0	0.02 / 0.10
WL30N 017101	12	29.7	820	4655	3805	128			
WL36N 017102	12	35.1	960	5338	4365	124			
WL42N 017103	12	42.5	1150	6210	5080	119			

\* 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%.

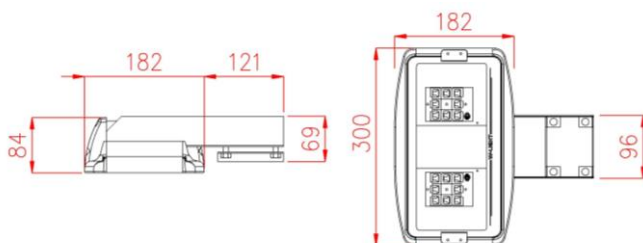
Al fine di favorire un costante aggiornamento dei propri prodotti, Western CO si riserva il diritto di apportare modifiche senza preavviso.

**Optica stradale**


# W-LIGHT

 LED Luminaire

## Street LED Luminaire for Solar Energy applications

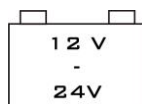


4.0mm thick glass

LIGHTING FEATURES	
LED source efficacy @ $I_f=350\text{mA}$ , $T_j=25^\circ\text{C}$	178 [lm/W]
Color temperature	4000K
Minimum CRI (color rendering index)	70
IESNA TM-21 LED useful lifetime @ $I_f=1050\text{mA}$	> 60000 ore @ L80(10k) – $T_{sp}=85^\circ\text{C}$
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	650 / 820 / 960 / 1150 [mA]
Connection	3 conductors (+VDC, -VDC, DIM) IP68 connector with cable: max section 4mmq 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 65
Impact resistance degree	IK08
Dimensions	300 x 182 x 84 [mm]
Weight	6.0 [kg]
Side surface	0.03 [m <sup>2</sup> ]
Top surface	0.10 [m <sup>2</sup> ]
Fixing	Bracket $\varnothing$ 60mm
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)


 flux reduction algorithm  
*(only available by Western CO charge controller)*


operating up to 57°C



**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 <sup>2</sup> ]
WL24N 017100	12	23.0	650	3785	3090	134	182	6.0	0.02 / 0.10
WL30N 017101	12	29.7	820	4655	3805	128			
WL36N 017102	12	35.1	960	5338	4365	124			
WL42N 017103	12	42.5	1150	6210	5080	119			

\* 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.

**Optic for street lighting**
