

Lampada Sun Light

Lampada stradale LED per applicazioni a Energia Solare



	Sun Light XS	Sun Light S	Sun Light M
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		
CARATTERISTICHE ELETTRICHE			
Alimentazione	10 \pm 30 VDC Potenza da 12W a 130W		
Classe di isolamento elettrico	III (SELV)		
Connessione	3 poli (+VDC, -VDC, DIM) a leva Max. 4mm ² Vano alimentatore separato da vano led Ingresso cavo con pressacavo GP9		
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		
Temperatura di stoccaggio	-20°C / + 80°C		
CARATTERISTICHE GENERALI			
Grado di protezione	IP 66		
Grado di resistenza agli urti	IK09 (IEC - EN 62262)		
Dimensioni [mm]	479 x 225 x 77	576 x 255 x 87	628 x 300 x 93
Peso [kg]	2,8	4,55	5,60
Superficie laterale [m ²]	0,037	0,048	0,058
Superficie pianta [m ²]	0,11	0,15	0,19
Fissaggio	Braccio e testa-palo \varnothing 60mm		
Inclinazione	Si \pm 20°		
Certificazioni	CE – EN60589-1 EN60589-2-3		
Garanzia	5 [anni]		
MATERIALI			
Corpo	Alluminio ADC12 pressofuso Verniciato a polvere colori: RAL 9006 - grigio chiaro RAL 7043 - grigio scuro		
Schermo	Vetro temperato spessore 5mm		
Ottica	PMMA (polimetilmetacrilato)		



LED driver with ceramic capacitors



Tempered glass



Extruded aluminum body



IP65 with moisture extractor



Self-management algorithm



Different optics in PMMA



Efficiency range Lumen/Watt
120÷138



Operating temperature range:
-40°C +57°C



Battery voltage 12 / 24V



Flow reduction automatic or control LED by Western CO. charge controller



Class of insulation



Compliant to EN 13201

Dati fotometrici

Modello	CODICE		NUMERO LED	POTENZA LAMPADA @ Tq=25°C [W]**	CORRENTE LED [mA]	FLUSSO NOMINALE LED @ Tj=85°C [lm]*	FLUSSO LAMPADA @ Ta=25°C [lm]**	EFFICIENZA LAMPADA @ Ta=25°C [lm/W]**
	RAL 9006 Grigio chiaro	RAL 7043 Grigio scuro						
Sun Light XS 12	-	018972	16	12.0	261	2070	1830	150
Sun Light XS 18	-	018971	16	18.0	390	3049	2695	146
Sun Light XS 24	018835	018850	16	24.0	503	3867	3418	143
Sun Light XS 30	018968	018973	16	42.5	632	4761	4209	137
Sun Light XS 36	018969	018974	16	36.0	775	5706	5044	134
Sun Light XS 42	018970	018975	16	42.0	894	6445	5697	130
Sun Light S 60	018976	-	32	60.5	632	9522	8422	137
Sun Light S 72	018977	-	32	72.5	775	11411	10088	134
Sun Light S 84	018978	-	32	84.0	894	12890	11394	130
Sun Light M 110	018979	-	48	110	775	16998	15027	134
Sun Light M 130	018981	-	48	130	894	19199	16972	130

* Dati estrapolati da quelli rilasciati dal costruttore del LED

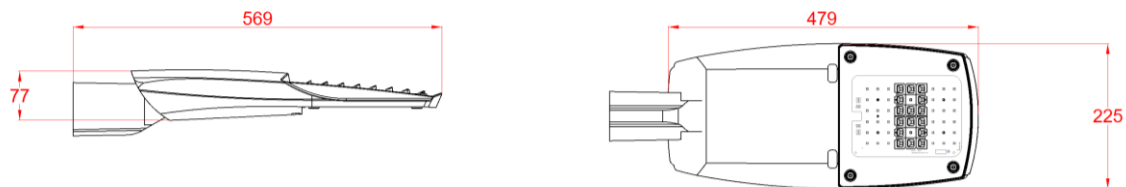
** Dati estrapolati da rilievi fotometrici eseguiti c/o laboratorio accreditato eseguiti in conformità allo standard UNI EN 13032-4

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

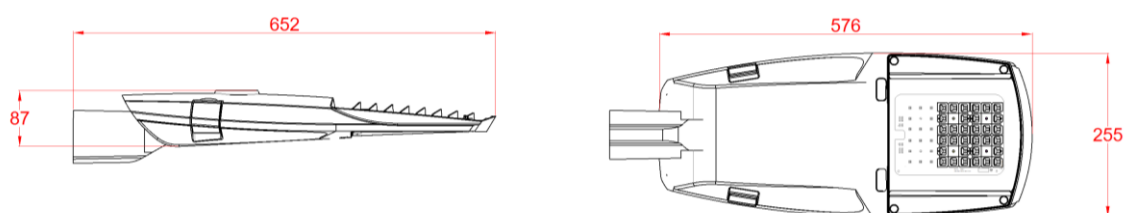
Al fine di favorire un costante aggiornamento dei propri prodotti, Western CO si riserva il diritto di apportare modifiche senza preavviso.

Dimensioni

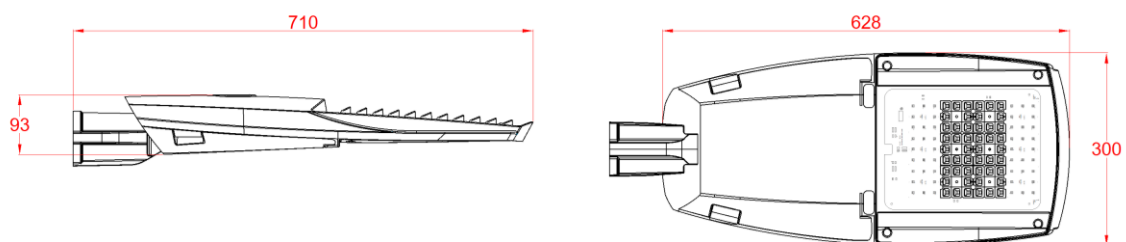
SUN LIGHT XS



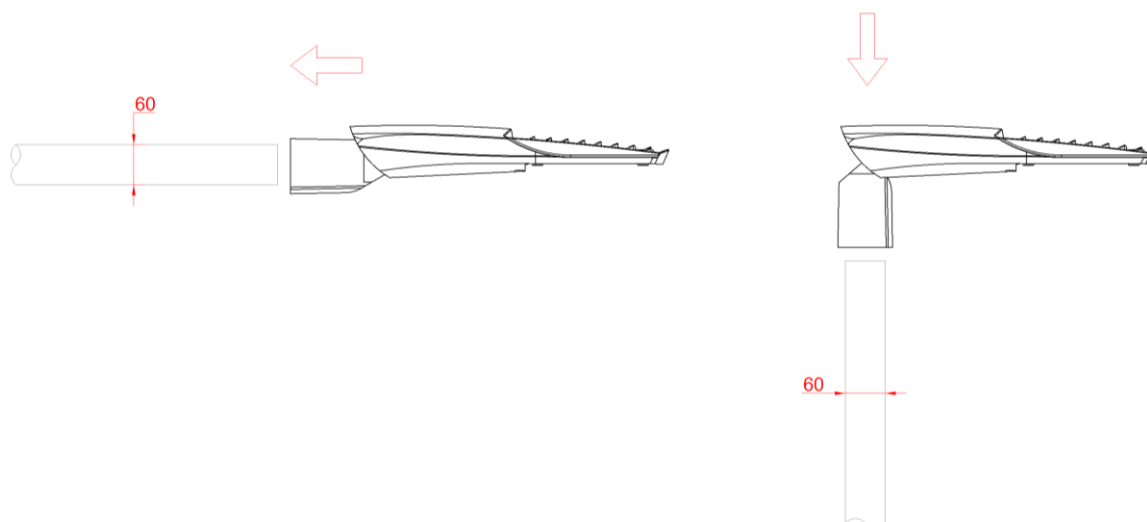
SUN LIGHT S



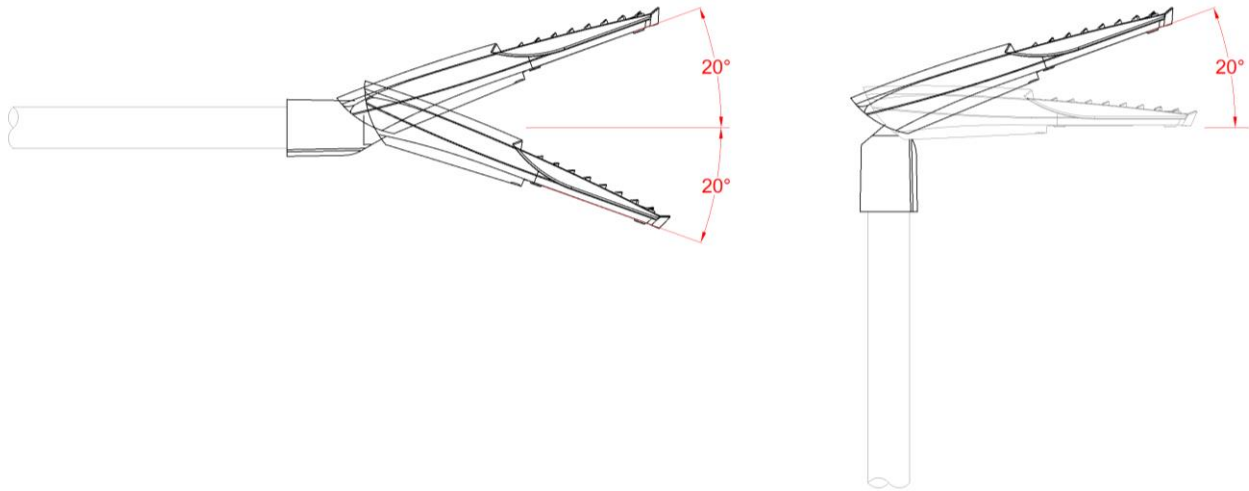
SUN LIGHT M



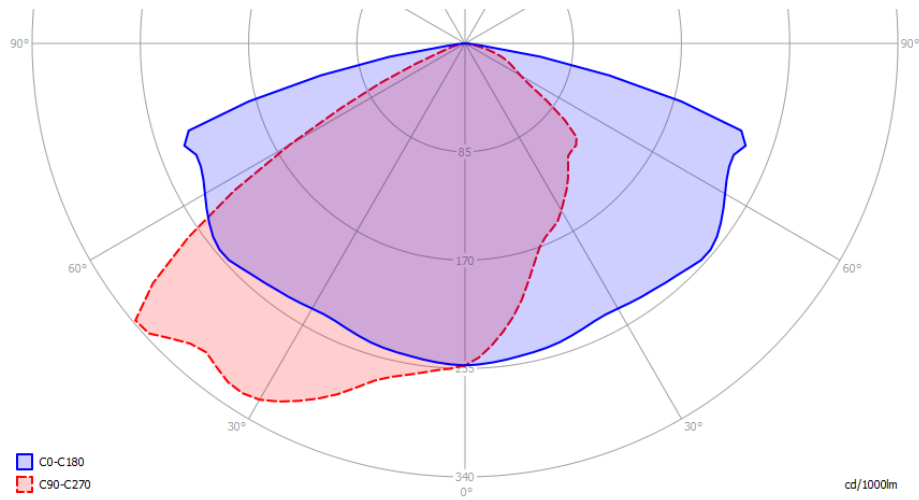
Installazione



Regolazioni



Ottica stradale



Sun Light Lamp

Street LED Luminaire for Solar Energy applications



	Sun Light XS	Sun Light S	Sun Light M
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		
ELECTRICAL FEATURES			
Power supply	10 \pm 30 VDC Power from 12W to 130W		
Electrical insulation class	III (SELV)		
Connection	3 poli (+VDC, -VDC, DIM) tool-free Max. 4mm ² . Power supply compartment separated from LED compartment. PG9 cable gland for wire connections		
Luminous flux reduction	Automatic or commanded from Western CO charge controller		
Luminous flux reduction value	-30%		
Operating temperature	-30°C / +57°C		
Storage temperature	-20°C / + 80°C		
GENERAL FEATURES			
Protection degree	IP 66		
Impact resistance degree	IK09 (IEC - EN 62262)		
Dimensions [mm]	479 x 225 x 77	576 x 255 x 87	628 x 300 x 93
Weight [kg]	2.8	4.55	5.60
Side surface [m ²]	0.037	0.048	0.058
Top surface [m ²]	0.11	0.15	0.19
Fixing	Horizontal bracket or top of pole; diameter \varnothing 60mm		
Tilt angle	Si +/-20°		
Certifications	CE – EN60589-1 EN60589-2-3		
Warranty [years]	5		
MATERIALS			
Body	ADC12 die casting aluminum; powder coated in colors: RAL 9006 – light gray RAL 7043 - dark gray		
Optical cover	Tempered Glass (5mm)		
Optical material	PMMA		



LED driver with ceramic capacitors



Tempered glass



Extruded aluminum body



IP65 with moisture extractor



Self-management algorithm



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Efficiency range Lumen/Watt
120÷138



Operating temperature range:
-40°C +57°C



Battery voltage 12 / 24V



Flow reduction automatic or control LED by Western CO. charge controller



Class of insulation



Compliant to
EN 13201

Available versions

Models	Code		LEDs Number	LUMINAIRE POWER @ Tq=25°C [W]**	LED CURRENT [mA]	NOMINAL LED FLUX @ Tj=85°C [lm]*	LUMINAIRE FLUX @ Ta=25°C [lm]**	LUMINAIRE EFFICIENCY @ Ta=25°C [lm/W]**
	RAL 9006 Grigio chiaro	RAL 7043 Grigio scuro						
Sun Light XS 12	-	018972	16	12.0	261	2070	1830	150
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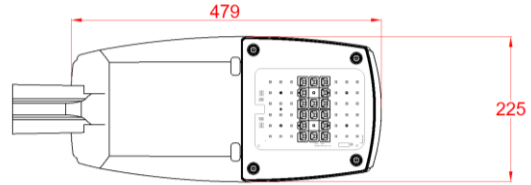
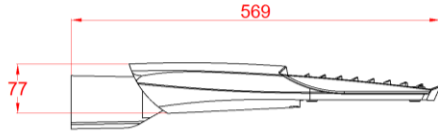
* Rated data extrapolated from LED manufacturer datasheet

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

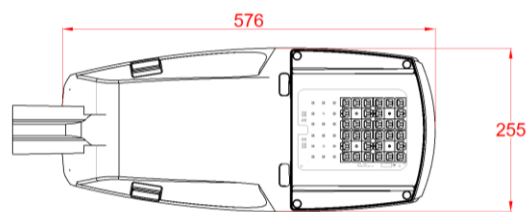
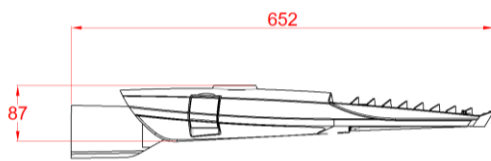
The indicated values on this technical sheet are to be considered rated values subjected to a tolerance of +/-5%.
The characteristics of the product listed above are subjected to change without notice.

Dimensions

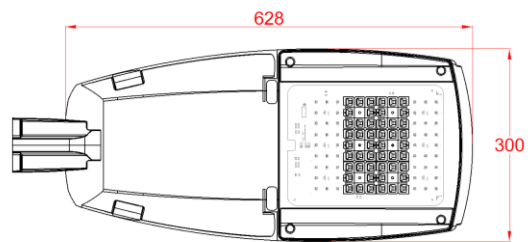
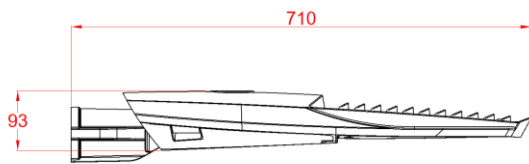
SUN LIGHT XS



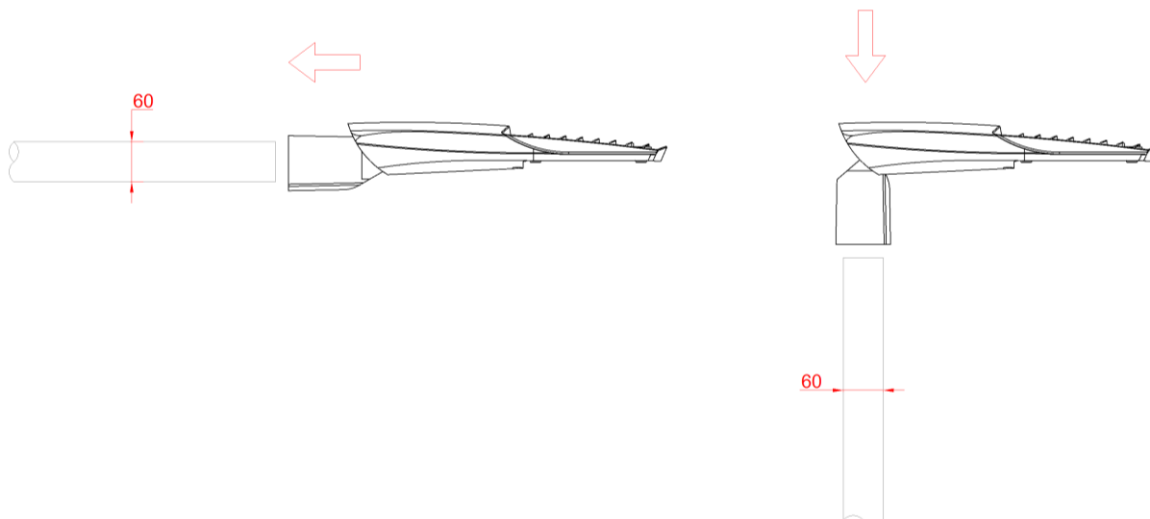
SUN LIGHT S



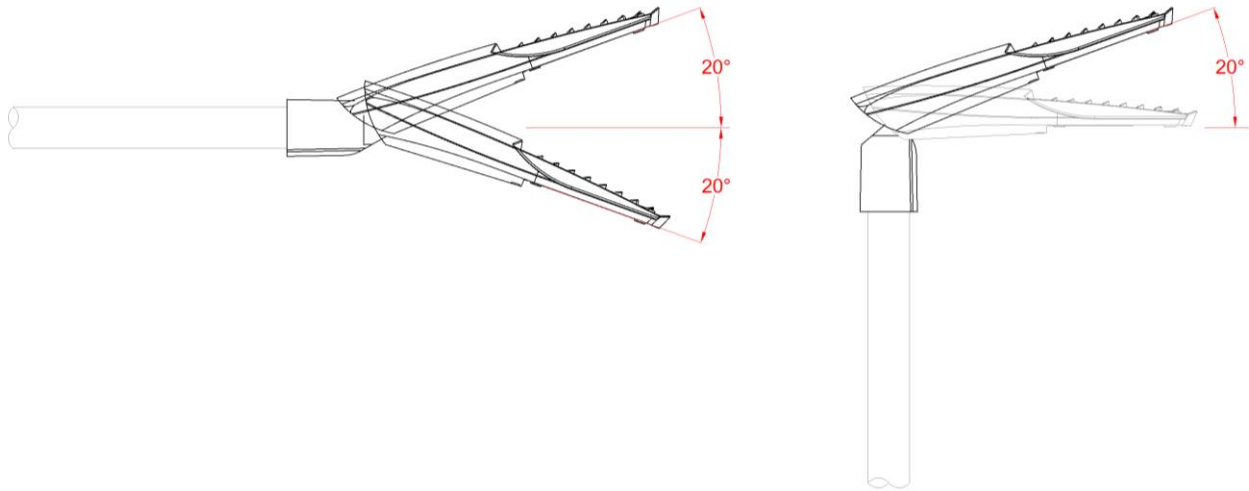
SUN LIGHT M



Installation



Adjustments



Street Optic

