



SOLAR SERIES

Soli LAMC

LAMC12000 SOLAR LED ROAD AND STREET LIGHTING

12000 LM - 80 W - 6500 K

Soli Lighting offers the customer an affordable Solar powered LED road lighting solution for both pedestrian and vehicle road applications. It offers 4 body sizes and a range of beam optics to fully respond to different road configurations and conditions.

It is designed to achieve better light uniformity and maximum spacing between poles while providing sufficient light on the road. The extruded aluminum housing and Philips LED platform ensure long lifespan and reliability. Soli Lighting SOLi Solar Series provides up to 60% energy savings compared to traditional lamp systems.

PRODUCT INFORMATION

GENERAL INFORMATION

Light color code	Cool White - 6500K
Driver / Power unit	Power supply unit
Driver included	Yes
Protection class IEC	Safety Class I
ENEC / UL markings	-
CE mark	CE mark
Constant light output	No

ELECTRICAL DETAILS

Input voltage	12VDC - Solar
Input frequency	- Hz
Power factor	0.97 (Nominal Power)
Light Working Mode	%40 Dim Power Standard

CONTROLS AND DIMMING

Dimmable	Yes
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MECHANICAL AND HOUSING

Housing material	Aluminum
Optic material	Polycarbonate
Fixation material	Aluminum

APPROVAL AND APPLICATION

Ingress protection code	IP65
Mech. impact protection code	IK08

APPLICATION CONDITIONS

Ambient temperature range	-40 °C / +60 °C
Average ambient temperature	35 °C

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INITIAL PERFORMANCE (IEC COMPLIANT)

Initial luminous flux	12000lm
Initial LED luminaire efficacy	150lm/W
Init. Corr. Color Temperature	6500 K
Initial input power	80W

OVER TIME PERFORMANCE (IEC COMPLIANT)

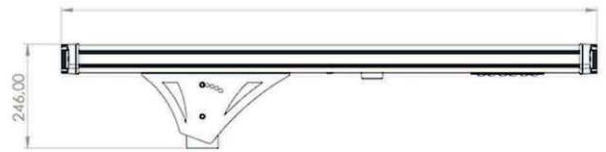
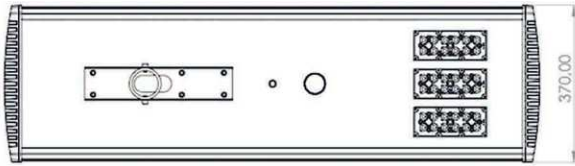
Median useful life L70B50	50000 hours
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PRODUCT DATA

Order product name	SOLI LAMC12000-22-6500
Numerator - Quantity Per Pack	1
Material Nr.	LAMC12000-22-6500
Net Weight (Piece)	22 kg

ADDITIONAL INFORMATION

Solar panel	Depar Mono Perc High Efficiency 100W
System voltage	12,8VDC
Charge load control system	10A Depar Solar MPPT
Charging time	9 hours effective sun charging time
Battery	Depar Energie LiFePO4 Battery 12V 40Ah
Working Hour (Autonomy)	48 hours- 2 nights
Weight (Gross Set)	22.00 kg
Pole / Lamp Height	7-8 m pole
Pole Specifications	S235JR, EN10025, EN1461 Galvanize



SOME OF OUR REFERENCES



www.solilamp.com