

# BISOL SSL-30 Solar Street Light

Premium lighting solution with long and reliable service life



Solar company!

This entirely self-sufficient off-grid solution for private, commercial and municipal use will illuminate entire communities without the need for excavation works, cable laying and public grid connection, at a much lower cost of ownership. Strictly top quality EU-made components distinguish the BISOL solar street light as an extremely reliable source of light with prolonged service life. Featuring automatic dimming, self-regulated switch on/off function and motion detection it promotes more responsible energy consumption and causes minimal light pollution.



Technical Specifications	BISOL SSL-30
Lighting category according to EN13201	ME5 / ME6 / S2 / S3 / S4 / S5 / S6
Typical application	Residential streets, private driveways, walking paths, urban local roads, parking lots, bicycle lanes, industrial areas
System autonomy	Up to 40 hours, depending on the battery and the location <sup>(1)</sup>
Temperature range	-20 °C to + 60 °C
Protection	IP 65

<sup>(1)</sup> According to the performance report for the specific location.

Technical Specifications	BISOL SSL-30
PV Module	BISOL Premium 330 W
Module console	20°, 40° or 55° inclination angle / Any azimuth
Pole	7 m / Hot-dip galvanized steel / Fixation with anchoring plate / Wind gust up to 120 km/h <sup>(2)</sup>
LED light source	30 W / 3,320 lm asymmetric light distribution / 4000 K colour temperature / Zero upward light output ratio (ULOR=0) / 100,000 h of service life
Battery	AGM 12V Solar Deep Cycle / 135 Ah capacity / 2,500 cycles at 50% DoD (6-10 years) <sup>(3)</sup>
Component storage	HDPE Shaft (underground) or cabinet on the pole (above ground) <sup>(4)</sup>
Solar charge controller	MPPT / Bluetooth configurable via smartphone app <sup>(5)</sup>
Automatic ON/OFF	Configurable level and delay for ON/OFF
Automatic dimming	Adjustable level (10% – 90%) and duration of dimming

<sup>(2)</sup> Depending on the pole type. Local project engineer must determine if the pole is suitable for the specific location.

<sup>(3)</sup> The battery lifetime depends on the DoD and the environment temperature.

<sup>(4)</sup> Must be determined at the time of purchase.

<sup>(5)</sup> Requires a Bluetooth dongle (not supplied).



Automatic switch on/off function



Bluetooth configurable



Integrated photo sensor



Automatic dimming & Motion detection option



Best price-quality ratio



European components of superior quality



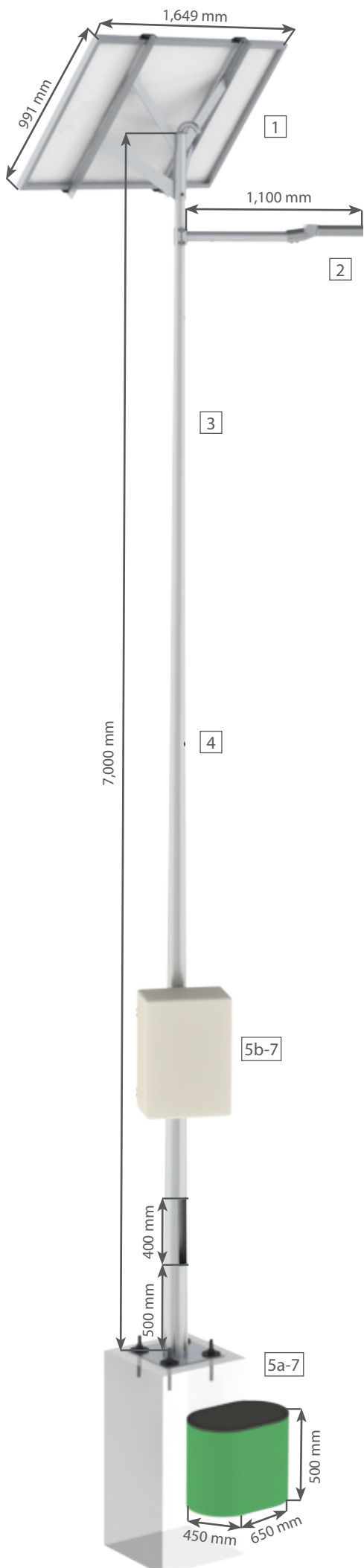
Long service life



Generously equipped basic solution



Environmentally friendly



All unspecified tolerances are  $\pm 5\%$ .

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### Optional features and upgrades

Batteries	60 – 250 Ah <sup>(6)</sup>
Pole length	5, 7 or 10 m
Pole fixation	Anchoring plate or anchor kit for poured concrete
LED power	15 - 60 W
Colour temperature	3,000 K, 4,000 K and 6,500 K
Motion sensor	PIR / Configurable from 1 – 15 min
Component storage	Below ground (HDPE shaft) or above ground (cabinet on the pole)
Module power	305 – 330 Wp
Design	Silver-White or Full-Black <sup>(7)</sup>

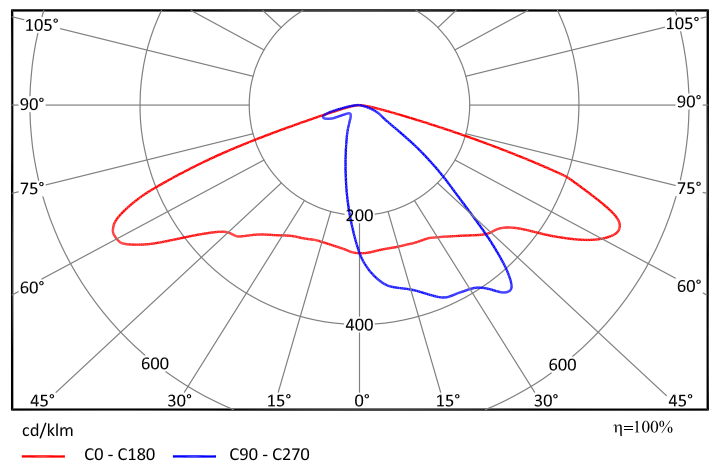
<sup>(6)</sup> Batteries above 135Ah suitable only for the underground version.

<sup>(7)</sup> The Full-Black design available only for the underground version.

### Warranties

	15-year product warranty
PV module	25-year linear performance warranty on 85 % power output

### Light distribution



1 - BISOL PV module  
2 - LED light source  
3 - Pole  
4 - PIR motion sensor

5a - HDPE shaft  
5b - Above ground cabinet  
6 - Charge regulator

7 - Solar battery