

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 ⁽¹⁾ |
| Temperature range | -20 °C to + 60 °C |
| Protection | IP 65 |

⁽¹⁾ According to the performance report for the specific location.

| Technical Specifications | BISOL SSL-30 |
|--------------------------|---|
| PV Module | BISOL Premium BMU-270 Wp |
| 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 ⁽²⁾ |
| 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) ⁽³⁾ |
| Component storage | HDPE Shaft (underground) or cabinet on the pole (above ground) ⁽⁴⁾ |
| Solar charge controller | MPPT / Bluetooth configurable via smartphone app ⁽⁵⁾ |
| Automatic ON/OFF | Configurable level and delay for ON/OFF |
| Automatic dimming | Adjustable level (10% – 90%) and duration of dimming |

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

⁽³⁾ The battery lifetime depends on the DoD and the environment temperature.

⁽⁴⁾ Must be determined at the time of purchase.

⁽⁵⁾ 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



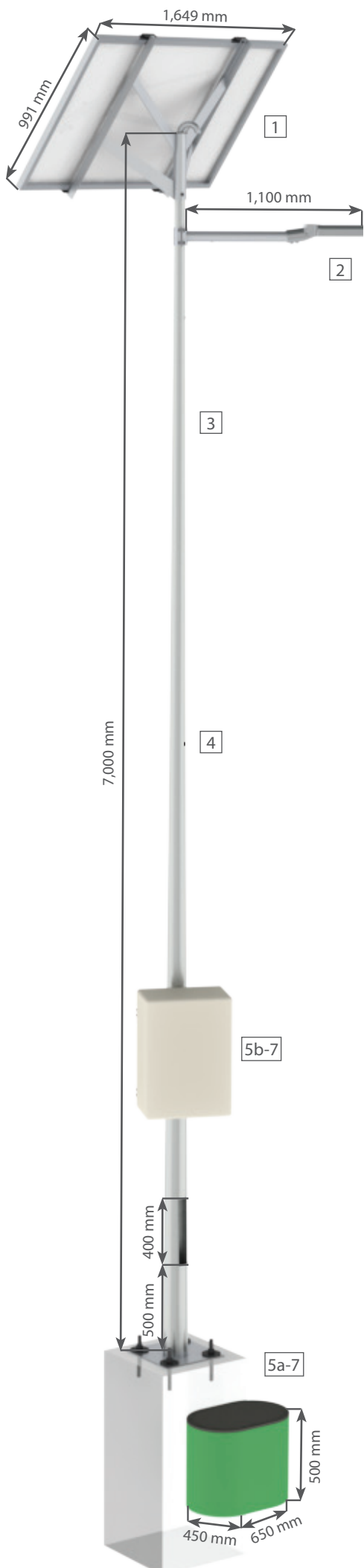
Long service life



Generously equipped basic solution



Environmentally friendly



Optional features and upgrades

| | |
|--------------------|---|
| Batteries | 60 – 250 Ah ⁽⁶⁾ |
| 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 | 265 – 365 Wp |
| Design | Silver-White or Full-Black ⁽⁷⁾ |

⁽⁶⁾ Batteries above 135Ah suitable only for the underground version.

⁽⁷⁾ The Full-Black design available only for the underground version.

Warranties⁽⁸⁾

| | |
|--------------------------|--|
| General product warranty | 1 year ⁽⁹⁾ |
| PV module | 15-year product warranty, 25-year linear performance warranty on 85 % power output |
| LED light source | 5 years |
| Battery | 2 years |
| Solar charger | 5 years |
| HDPE shaft | 5 years ⁽¹⁰⁾ |
| Above ground cabinet | 1.5 year |
| Pole | 10 years ⁽¹¹⁾ |

⁽⁸⁾ All warranties are subject to individual manufacturer's warranty conditions.

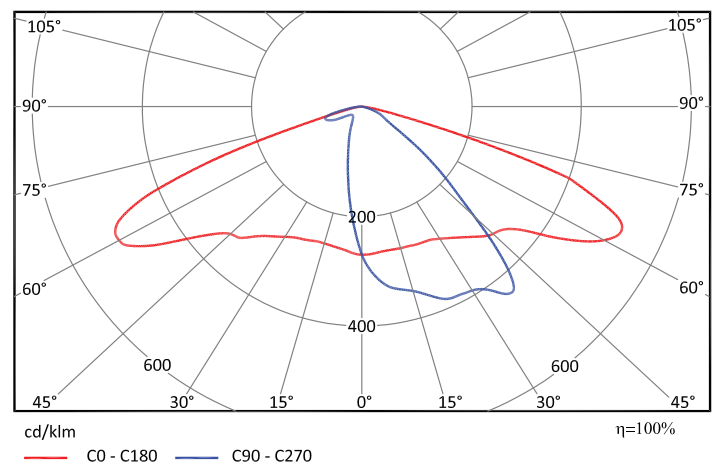
⁽⁹⁾ Applies under the condition that BISOL has delivered all Product components.

⁽¹⁰⁾ Must be installed underground.

⁽¹¹⁾ Warranty on Zinc protective coating.

⁽¹²⁾ Warranty extension to five (5) years applies to general product warranty and to individual components, excluding the batteries.

Light distribution



BISOL SSL-30



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

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