

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, including a LED light source used in premium European car brands, 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

Lighting category according to EN13201	ME5 / CE5 / S3 (0.5 cd/m ²) / ME6 / S4 (0.3 cd/m ²)
Typical application	Residential streets, private driveways, walking paths, urban local roads, parking lots, bicycle lanes, industrial areas
System autonomy	27 hours
Temperature range	-20 °C to + 50 °C
Protection	IP 65 (applies to LED light, PV module, electronics, battery)

System Components

PV Module	BISOL Premium 250 Wp / Included
Pole	7 m / Hot-dip galvanized steel / Fixation with anchoring plate / Optional
LED light source	30 W / Up to 100,000 hours of service life / 3,200 lm asymmetric light distribution / Colour temperature 4,200 K / Zero upward light output ratio (ULOR=0) / Included
Battery	AGM 12V Solar Deep Cycle battery / 135 Ah capacity / 1,500 cycles of battery life at 50 % DOD (6-10 years) / Optional
Component storage	HDPE shaft (below ground) or cabinet (above ground) / Included
Photo relay	Included
Configurable timer	Included
Automatic dimming function	Included
Motion sensor	PIR / Optional



Automatic switch on/off function



Configurable timer



Integrated photo sensor



Automatic dimming & Motion detection



Best price quality ratio



European components of superior quality



Long service life

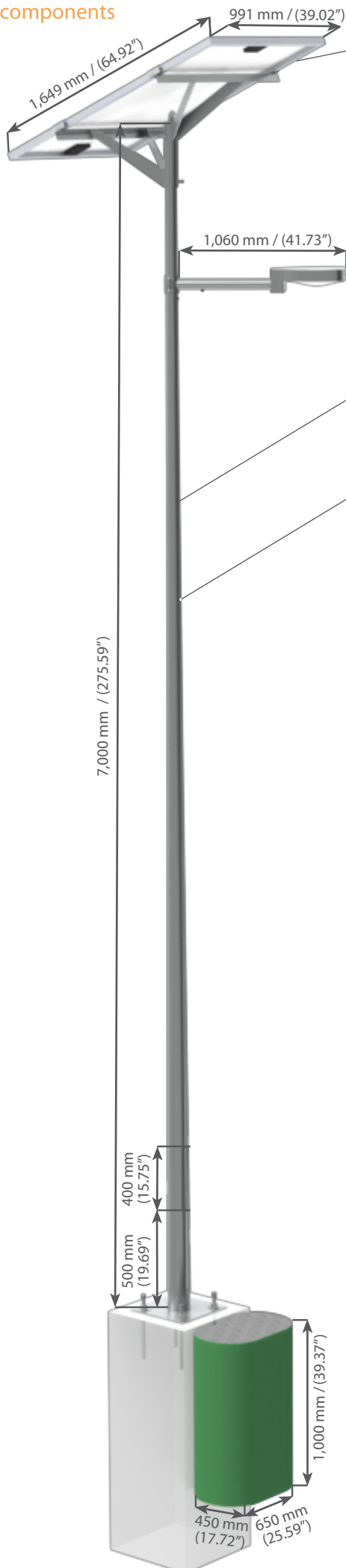


Generously equipped basic solution



Environmentally friendly

System components



• BISOL PV module

Specially designed with two junction boxes for more efficient battery charging. The module can be positioned at any azimuth, at a fixed 20° angle for the best wind load-energy yield ratio.

• LED light source

High performance illuminant used in Premium European car brands with extremely long service life and zero upward light output ratio.

• Pole

Including supports for PV module and LED light source.

• PIR motion sensor

For efficient energy management during the night time. It detects body movement and switches off the dimming effect, which automatically resumes after 5 minutes.

HDPE shaft with iron cover

Located below ground, it stores the battery, charge regulator, DC/DC converter, photo relay and timer.

PWM solar charge regulator

Controls battery charging and prevents it from discharging below 50% DOD (depth of discharge).

Solar battery

Energy storage solution with longer service life and with no maintenance required.

Photo relay

With the help of an integrated photo-sensor it automatically switches the light on/off, based on the light intensity in the environment (dusk, dawn). It comes with an adjustable threshold and a time delay function.

Configurable timer

Controls the switch on/off function and the automatic dimming function based on a set time, which can be adjusted for each day of the week. It promotes intelligent energy management and preserves the battery.

DC/DC converter



Optional features and upgrades

Battery	135 Ah
Pole	7 m
Pole fixation accessories	Anchor kit
Motion sensor	PIR
Component storage	Below ground (HDPE shaft) or above ground (cabinet)
Design	Silver or Full-Black

Component storage option



Above ground cabinet

Design options



Silver



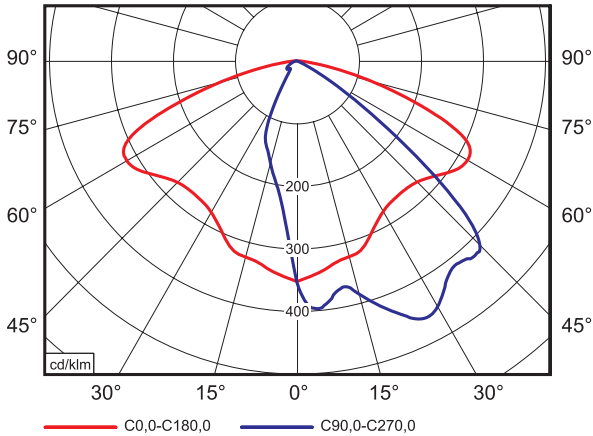
Full-Black

Pole fixation accessories



Anchor kit for poured concrete⁽¹⁾

Light distribution



BISOL SSL-30 (3,200 lm)

Warranties⁽²⁾

General product warranty	1 year
PV module	10-year product warranty, 12 years on 90% and 25 years warranty on 80% power output
LED light source	5 years
Battery	2 years
Solar charger	2 years
HDPE shaft	5 years ⁽³⁾
Above ground cabinet	1,5 year
Pole	10 years ⁽⁴⁾

⁽¹⁾ Concrete base not included in the product / ⁽²⁾ All warranties are subject to individual manufacturer's warranty conditions

⁽³⁾ Must be installed underground / ⁽⁴⁾ Warranty on Zinc protective coating

