BSOL 400

Solar lighting on demand **BSOL 400**

Smart Sequential Solar LED Lighting

The BSOL400 solar powered LED lighting is an architectural independent lighting solution ideally for various aplications as in parks, pathways, bike lanes, remote areas, golf course, leisure parks, beach resorts, marina's, residential areas and landscape lighting projects.

Based on the ecological principle: there is only light needed when someone is present. An integrated system detects pedestrians and cyclists and switches on a cluster of light moving in their direction.

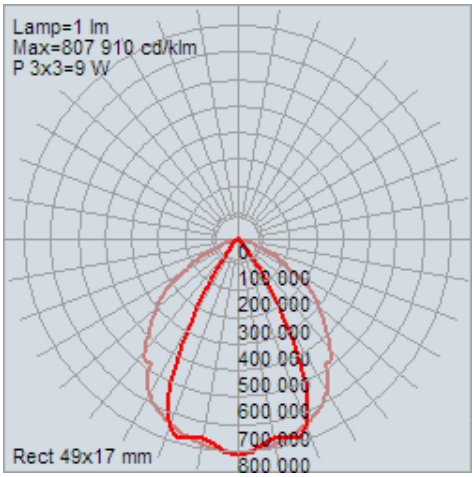
The architectural European patented design in combination with a robust high LED lighting output in a high grade construction, makes it your ideal choice for all you self-contained lighting projects.

A unique built-in software and wireless radio system makes the BSOL400 suitable in bird - bat wildlife sensitive areas. Because there is only light by human presence and activity. (lumen on demand.)

BSOL400 works completely without wiring and gets its power from the sun, using a special energy storage system, which requires no replacement of batteries for several years, depending on the type of batteries used.

Energy harvesting and usage is organised by a unique built-in self-decisive software algorithm. Cloudy days or shaded areas, the Smart energy saving LED Lighting OL400 always provides perfect lighting conditions.

Smart energy saving LED Lighting



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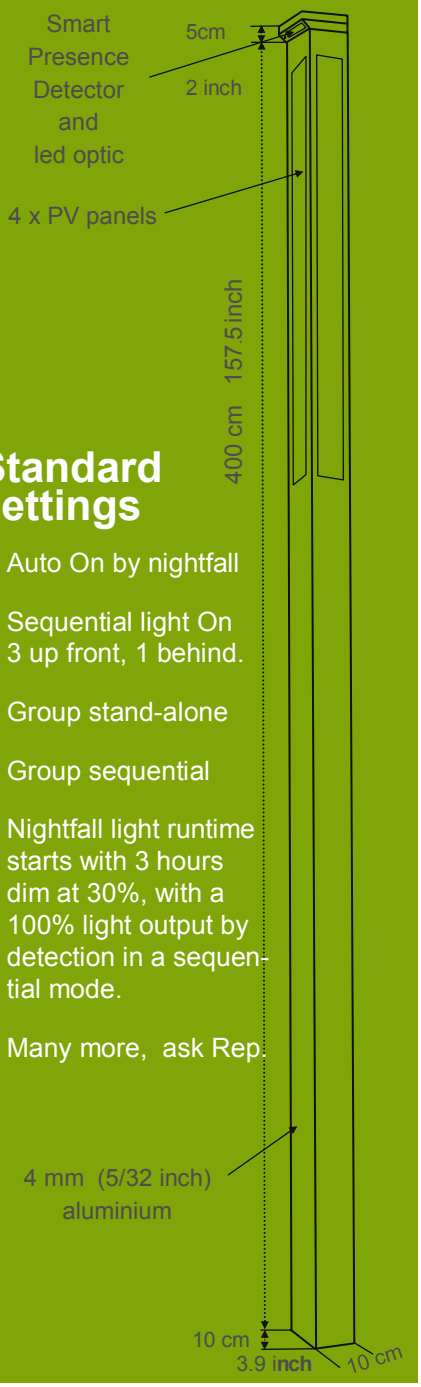
Sequential Solar lighting on demand — BSOL 400



Standard settings

- Auto On by nightfall
- Sequential light On 3 up front, 1 behind.
- Group stand-alone
- Group sequential
- Nightfall light runtime starts with 3 hours dim at 30%, with a 100% light output by detection in a sequential mode.
- Many more, ask Rep.

Technical Specifications

LED & Optics

LED : Rebel 3 x 3 Watt.(9Watt) Max. 130 lm/W Neutral white 4500 kelvin
Life span: 50.000 Hours
Optics: Bsol 100 6°
Bsol100 15°
Bsol100 30°

Solar module

- PV 4 x panels
- 4 x 13 Watt (tot. +/- 52 Watt)
- Hi class mono cells
- integrated in mechanical construction
- Anti theft
- Vandal proof

Smart Psoc Control

- Built-in MPPT charger
- Led driver - defaults to 3 Watt (9W max.)
- Presence detector 4 meters –120°
- Zigbee radio controlled
- Eyes curve light management
- Energy harvesting management
- Light output management

Battery

- Lifepo 4 2000 cycles temperature - 20 + 65°C (-4 +149F°)
  Good for +/- 3000 passages

Or:

- Eco battery 1.000.000 cycles temperature - 40 +65°C (-40 +149F°)
  Good for +/- 1500 passages
- Expected minimum battery live time 5 1/2 year for a dailly charge.

Mechanical construction

- Anodized aluminium 25u satin gray
- Anti theft stainless security screws
- Mounting bracked included
- Ral powder colors possible on request
- Eco design

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