

BSOL 100



Solar lighting on demand BSOL 100

Smart Sequential Solar LED Bollard

The BSOL100 solar powered LED bollard is an architectural independent lighting solution ideally for various applications 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 your self-contained lighting projects.

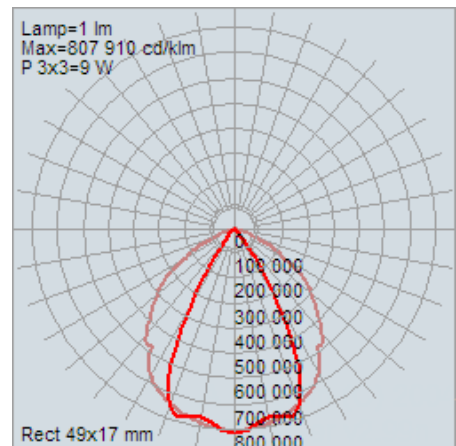
A unique built-in software and wireless radio system makes the BSOL100 suitable in bird - bat wildlife sensitive areas. Because there is only light by human presence and activity. (lumen on demand.)

BSOL100 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 BSOL100 always provides perfect lighting conditions.



Smart energy saving LED Lighting



NOZON SOLAR
Greenbridge Science Park
Wetenschapspark 1
8400 Oostende

WWW.NOZONSOLAR.COM
info@nozonsolar.com
+32 56 380180
Belgium - Europe

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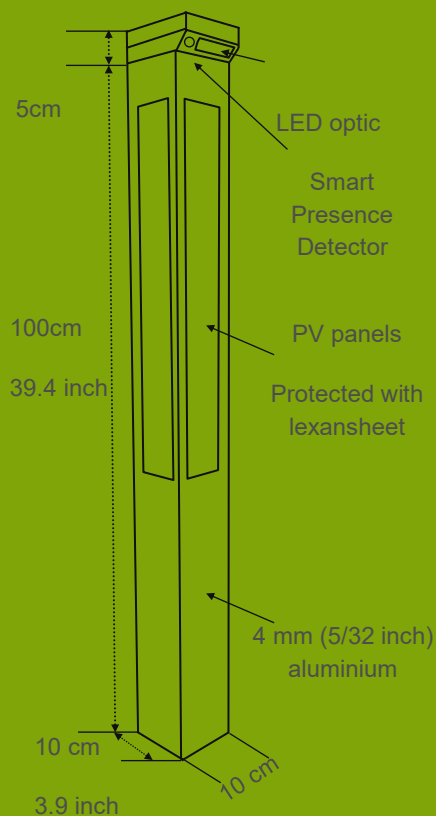


Sequential solar Lighting On Demand

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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

- Polycarbonate protected PV panels
- 3 x 5.4 Watt (tot. +/- 16 Watt)
- Hi class mono cells
- integrated in mechanical construction
- Anti theft
- Vandal proof

Smart Psoc Control

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

Battery

- Lifepo4 2000 cycles temperature - 20 + 65°C (-4 +149F°)
- Expected minimum battery lifetime is 5 1/2 year for a dailly charge.
Good for +/- 3000 passages

Or optional:

- Eco battery 1.000.000 cycles temperature - 40 +65°C (-40 +149F°)
Good for +/- 1500 passages

Mechanical construction

- Anodized aluminium 25u satin gray
- Anti theft stainless steel security screws
- Stainless steel PV & battery holder
- Mounting bracked included
- Ral powder colors possible on request
- Eco design



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