

# BSOL 300 SM

Smart Move Sequential Solar Lighting On Demand

**BSOL 300SM**

## Smart Move Sequential Solar LED Lighting

The BSOL300 SM solar powered LED lighting is an architectural independent lighting solution ideally for various applications as in parks, pathways, bike lanes, remote areas, golf course, leisure parks, beach resorts, jetties, pontoons, 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 runners and switches on a cluster of light moving in their direction.

The light poles are installed following a sequential tracking system. (Smart Move) When a runner comes on the running track, the light poles consecutive emit light in the moving direction of the sportsman. The faster the sportsman runs, the faster the lights are switched on in front of him/her and how faster the lights behind him/her is switched off. Sometimes the user gets the impression that he/she can run faster than the Smart Move system and increased automatically his speed and efforts.

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 BSOL300 suitable in bird - bat wildlife sensitive areas. Because there is only light by human presence and activity. (lumen on demand)

BSOL300 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 BSOL300 always provides perfect lighting conditions.

## Smart energy saving LED Lighting



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## 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 300 6°  
           Bsol 300 15°  
           Bsol 300 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

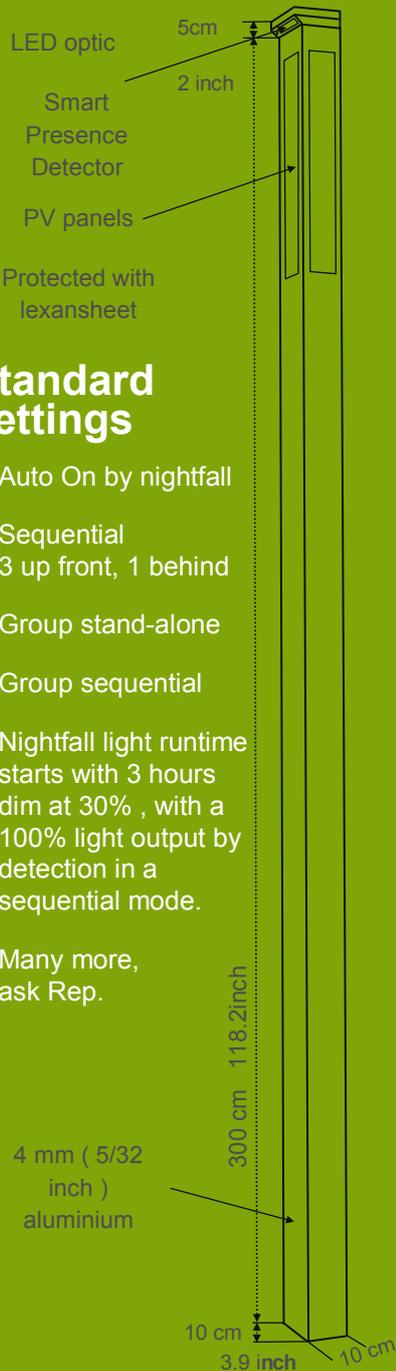
- Built-in smart MPPT charger
- Led driver - defaults to 3 Watt (9W max.)
- Presence detector 4 meters –120°
- Zigbee radio controlled
- Eyes curve light management
- Energy harvesting management
- Light output management

### Battery

- Lifepo 4 2000 cycles temperature - 20 + 65°C (-4 +149F°)  
     Good for +/- 3000 passages
- **Or 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 security screws
- Stainless steel PV & Battery holder
- Mounting bracked included
- Ral powder colors possible on request
- Eco design



## Standard settings

- Auto On by nightfall
- Sequential  
   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.

