

# ZSOL 400

## Solar Zebra Crossing light on demand with Biflash

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The ZSOL400 SM solar powered Zebra Crossing LED lighting system is an architectural independent lighting solution ideally for various Pedestrian Crossing applications as in parks, pathways, bike lanes, remote areas, leisure parks, beach resorts, 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 who wants to cross the zebra path. A flash signal will be activated in both directions to warn the motorist(s) that someone wants to cross over. At the same time the LED bulbs will light up the zebra crossing.

When the pedestrian has reached the other side, the NOZON light system will automatically be deactivated.

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 BSOL400ZC suitable in bird - bat wildlife sensitive areas. Because there is only light by human presence and activity. (lumen on demand)

ZSOL400 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 ZSOL400 always provides perfect lighting conditions.



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### Technical Specifications

#### LED & Optics

LED : Rebel 3 x 3 Watt.(9Watt) Max. 130 lm/W Neutral white 4500 kelvin  
 Biflash: 1 Watt 6° 130lm/w Neutral white 4500 kelvin  
 Life span: 50.000 Hours  
 Optics: Bsol 100 6°  
 Bsol100 15°

#### 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 -6°
- 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. Expected life span 5 Years
- Or:**
- Eco battery 1.000.000 cycles temperature - 40 +65°C ( -40 +149F°)  
Good for +/- 1500 passages. Expected life span 1.000.000/365 = +/- 25Y

#### Mechanical construction

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

### 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 sequen-  
tial mode.
- Many more, ask Rep.

