

# CROSSWALK SERIES

The perfect solution in intelligent solar lighting for pedestrian crossings; increasing the visibility, the safeness and reducing the risks of accidents.

## FEATURES

- **Column** with luminaire of different heights and Powers depending on the width of the pedestrian crossing.
- **Presence detector** included in each lamppost to detect pedestrians around and activate the lighting of the lamppost.
- **Luminaire** operation in sleep mode at a low level (for example 20%) and at 100% in the detection of pedestrians.
- **Luminous pedestrian signal** directed at vehicles flashing at night or during the whole day.

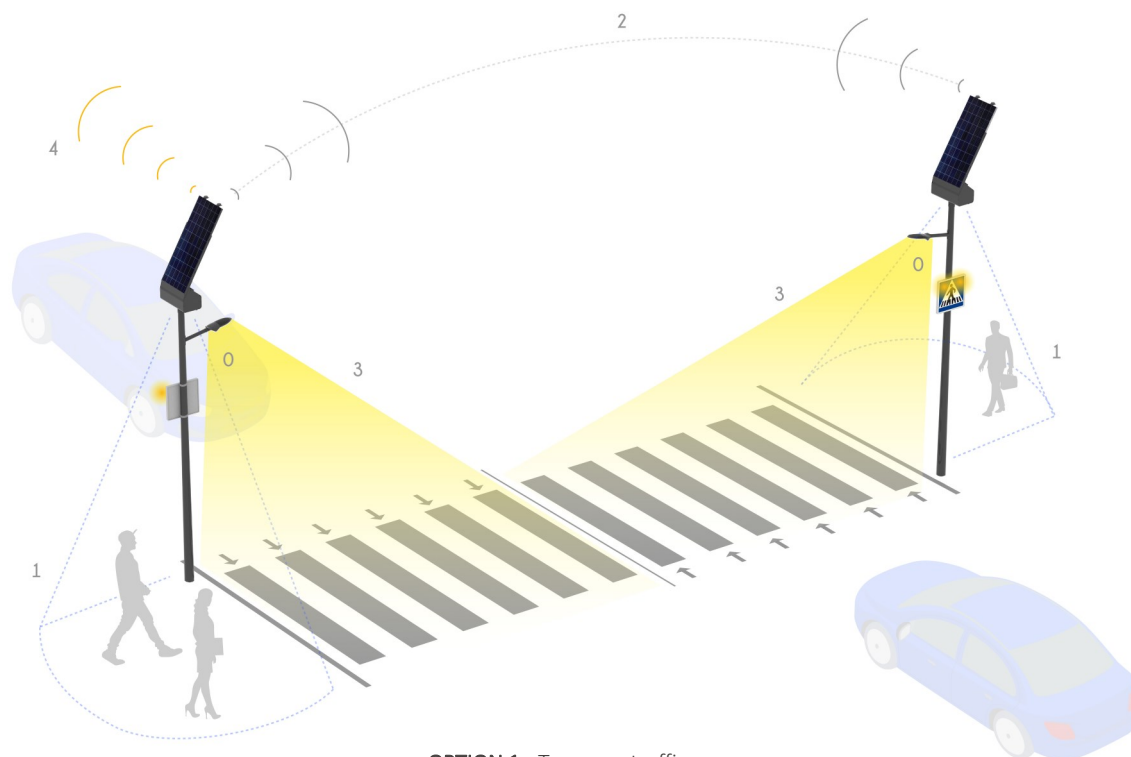
### KENLOK INTELLIGENT CONTROL UNIT

- Light control algorithm for greater battery autonomy
- Factory custom lighting programming
- Energy resources optimization to maximize the durability of the system
- Voltage and temperature measurement system
- Automatic daylight saving time adjustment
- Total control of streetlight parameters

### ilumek TELEMANAGEMENT SYSTEM

Online platform for the management and monitoring of the solar lamps:

- ✓ Customized system design
- ✓ Private server
- ✓ Warning / alarm system for operational issues
- ✓ Different access levels
- ✓ Data export to Excel
- ✓ Remote diagnosis



OPTION 1 - Two-way traffic

#### OPERATION OF CROSSWALK SOLAR LAMPS

**0** - Turn on the flashing of the light signal and the streetlight luminaires in rest mode throughout **the night**

**1** - Pedestrian detection around

**2** - Communication between streetlights if pedestrians are detected around

**3** - Lighting adjustment of the luminaires to 100% for the crossing of detected pedestrians and return of the luminaires to the moderate after completion the motion detection around

**4** - Communication through the Ilumek remote management system of the status of the installation



0 energy cost



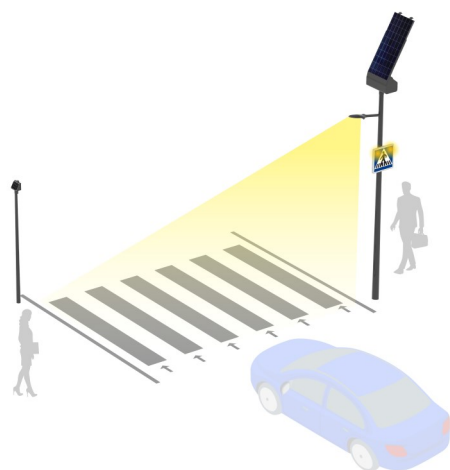
0 emissions to the atmosphere



Anti-vandalism design

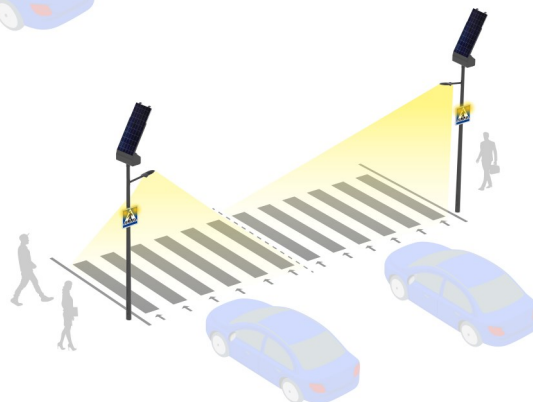


Personalized study of needs



OPTION 2 - One-way  
traffic and narrow  
carriageway

OPTION 3 - One-way  
traffic and wide  
carriageway



HIGH EFFICIENCY LEDS



HIGH RESISTANCE TO THE CORROSION



SMART SOLUTION



MAXIMUM RELIABILITY



**ekiona**  
solar lighting

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## LUMINAIRE

Type	LED
Power	From 30 W
Rated voltage	12 - 24 V
LED Efficiency	> 120 lm/W
CCT	3000 - 4000 - 5700 K

## SOLAR PANEL

Type	Monocrystalline / Polycrystalline
Power	From 100 Wp
Lifespan	More than 25 years

## BATTERY

Type	VRLA ( GEL or AGM)
Capacity	100 - 250 Ah
Maximum depth of discharge	50%
Autonomy	2 - 5 days

## COLUMN

Height	4 - 7 meters
Material	Hot dip galvanised steel
Corrosion resistance	> 15 years
Additional protection	Polyester powder coating
Optional treatment	Antigraffiti protection

