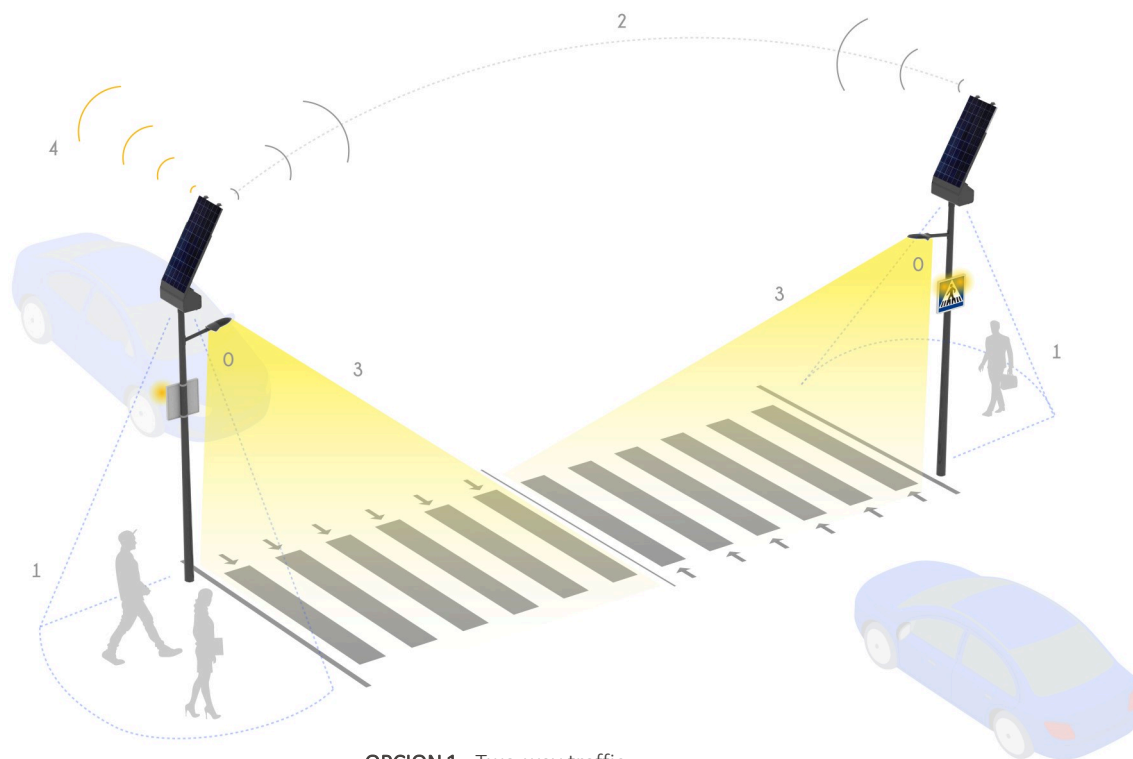


CROSSWALK SERIES

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



FUNCTIONING OF CROSSWALK SOLAR STREET LIGHTS

0 - Flashing light signal and streetlight luminaires in **all-night** sleep mode

1 - Pedestrian detection in the environment

2 - Communication between street lights if pedestrians are detected in the surroundings

3 - Lighting adjustment of the luminaires to 100% when pedestrians are detected and return of the luminaires to sleep mode after motion detection

4 - Communication by means of the ilumek remote management system of the state of the installation

CHARACTERISTICS

- **Column** with different heights and powers depending on the width of the crosswalk.
- **Presence detector** included in each street light to detect pedestrians in the surroundings and activate the lighting of the street light.
- Operation of the **luminaire** in low-level sleep mode (e.g. 20%) and 100% when detecting pedestrians.
- **Luminous pedestrian signal** directed at vehicles with night or full daytime flashing.

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 farola

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



0 energy cost



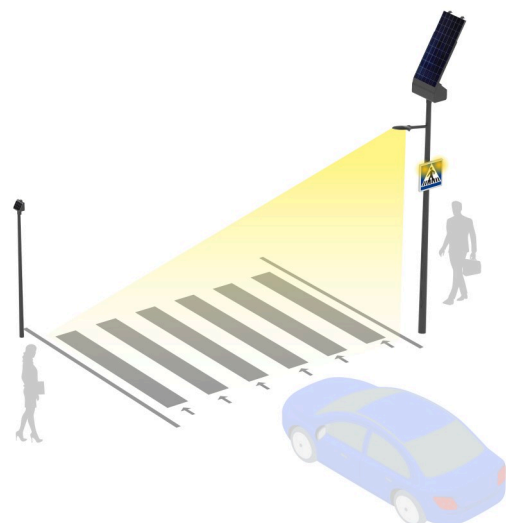
0 emissions to the atmosphere



Anti-vandalism design

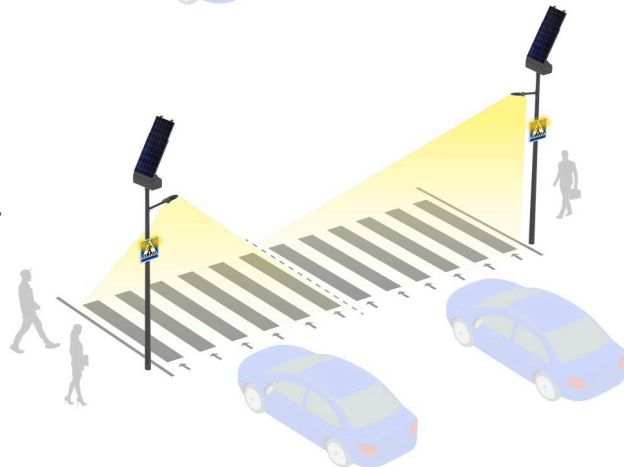


Personalized study of needs



OPCION 2 - One-way
traffic and narrow
roads

OPCION 3 - One-way
traffic and wide roadway



LUMINAIRE

Type	LED
Power	From 30 W
Rated voltage	12 - 24 V
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
Wind resistance	120 km/h

