

CROSSWALK SERIES

The perfect solution for intelligent solar pedestrian crossing lighting; increases visibility, safety and reduces the risk of being run over.

CHARACTERISTICS

- **Column** with luminaire of different heights and powers depending on the width of the pedestrian crossing.
- **Presence detector** included in each streetlight to detect pedestrians in the environment and activate the streetlight.
- Operation of the **luminaire** in rest mode at low level (e.g. 20%) and at 100% when detecting pedestrians.
- Luminous **pedestrian signal** directed to vehicles with night-time or all-day flashing.

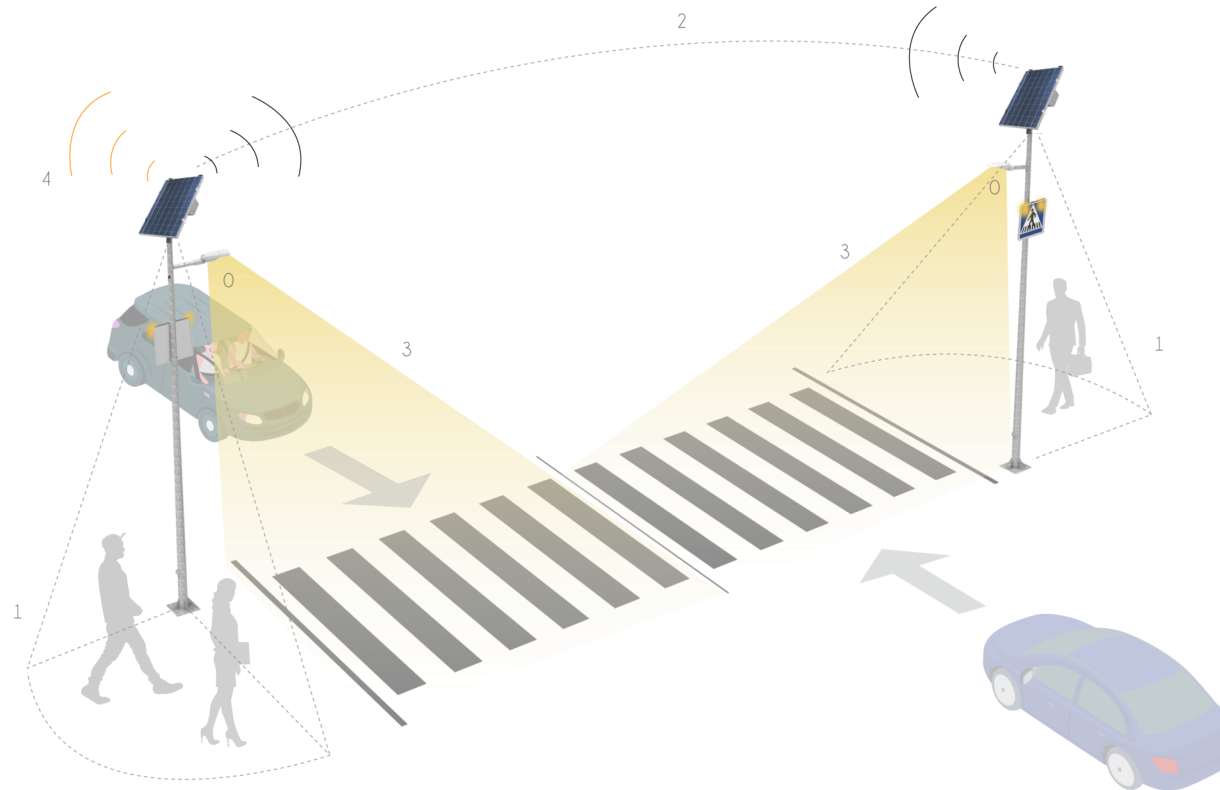
KENLOK INTELLIGENT SWITCHBOARD

- Luminosity control algorithm for greater autonomy of the battery
- Factory design lighting programming
- Optimizing energy resources to maximize the durability of the system
- Voltage and temperature measurement system
- Control of all parameters of the streetlight

TELEGESTION SYSTEM ILUMEX

Online platform for the management and monitoring of solar street lights:

- ✓ Hosting information on private server
- ✓ Weather forecast algorithm for greater autonomy
- ✓ Warning/alarm system for operating anomalies
- ✓ Various access levels
- ✓ Exporting data to Excel
- ✓ Monthly reports
- ✓ Distance diagnosis
- ✓ Automatic summer/winter change



OPTION 1 - Two-way traffic

OPERATION OF CROSSWALK SOLAR STREET LIGHTS

- 0 - All-night flashing of the light signal and the streetlight luminaires in sleep mode
- 1 - Detection of pedestrians in the surroundings
- 2 - Communication between streetlights if pedestrians are detected in the surroundings
- 3 - Luminaire lighting set to 100% for crossing detected pedestrians and luminaires return to sleep mode after the end of motion detection in the environment
- 4 - Communication via the ilumex remote management system of the status of the installation.



0 energy cost



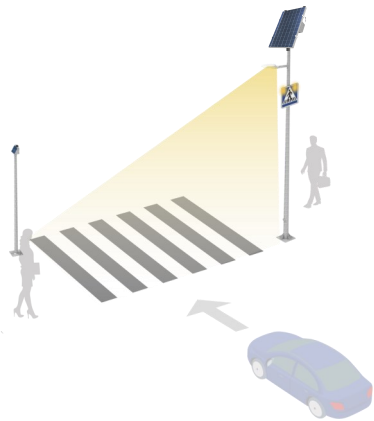
0 atmospheric emissions



Vandal-resistant design

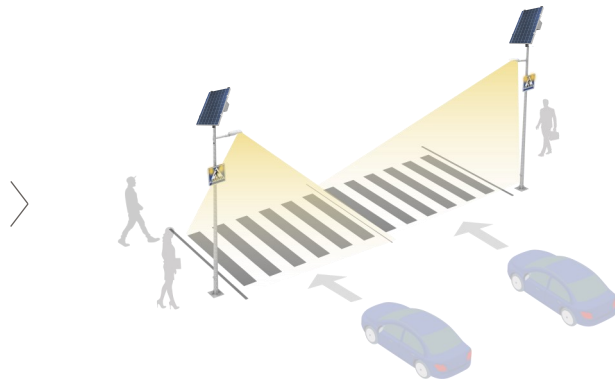


Personalised study of needs



OPTION 2 - One-way traffic and narrow roadway

OPTION 3 - One-way traffic and a wide carriageway



HIGH-EFFICIENCY LEDS



HIGH CORROSION RESISTANCE



SMART STREET LIGHT



MAXIMUM RELIABILITY



LUMINAIRE

Type	LED
Power	15 - 80 W
Rated voltage	12 - 24 V
LED efficiency	> 150 lm/W
CCT	PC AMBER - 3000 - 4000 - 5700 K

SOLAR PANEL

Type	Monocrystalline / Polycrystalline
Power	100 - 200 Wp
Lifespan	More than 25 years

BATTERY

Type	Lithium (LiFePO4)
Capacity	615 - 1280 Wh
Maximum depth of discharge	80%

COLUMN

Height	4 - 9 metres
Material	Hot-dip galvanised steel
Corrosion resistance	> 15 años
Polyester paint	Optional
Antigraffiti protection	Optional

