

APL Solar
APL Solar Active



LED PEDESTRIAN
CROSSINGS

AT NIGHT AND IN POOR VISIBILITY HOURS, THE **PEDESTRIAN CROSSINGS** MUST BE PROPERLY ILLUMINATED AND SIGNALLED:

SIGNAL

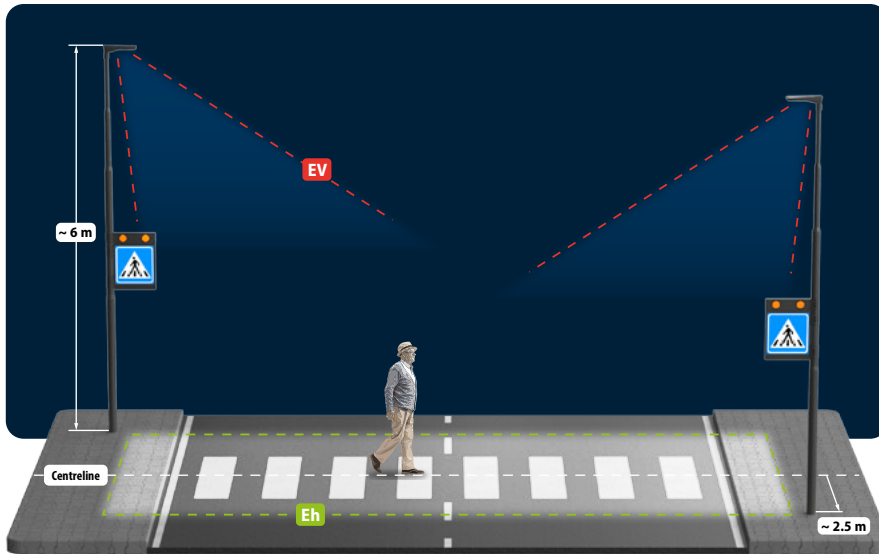
using LED flashers certified according to **EN 12352** and LED backlit signs according to **EN 12899**.

ILLUMINATE

an **horizontal plan**, highlighting the crossing with a minimum recommended light level of 100 lux (average) **and a vertical plan**, lighting perfectly the body of pedestrians making them visible, starting from the waiting area, extremely important factor to prevent accidents on crossings.

The LED luminaires **Talos G and Talos N** have been designed with a dedicated optic specifically to illuminate crossings, creating a positive contrast between the pedestrian and the surrounding environment, producing a very **high vertical illumination** level according to **EN 13201**.





LUMINOUS FLUX [LUMEN]

The luminous flux is measured in lumens and represents the quantity of light produced from a fixture, hence it can't be measured on a point or surface.

It is a task of the optics to distribute this light properly on the crossing. For instance, a light fixture producing 15,000 lm, may provide less light on the crossing of a fixture producing 12,000 lm.

ILLUMINANCE [LUX]

The illuminance is the quantity of light measurable on a plan of the crossing. It is measured in lux and in most of the cases the determining factor is the average illuminance and the overall uniformity (ratio between min lux and avg lux).

EH

HORIZONTAL ILLUMINANCE [LUX]

Is the quantity of light measured on the horizontal plan [Eh] of the crossing.

The high level achievable and the super concentrated beam allow an unmatched visibility and ease of **identification from distance of the crossing**.

EV

VERTICAL ILLUMINANCE [LUX]

Is the quantity of light measured on the vertical plan [Ev] of the crossing. The high level achievable allows the **maximum visibility of pedestrians**, creating a positive contrast with the surrounding environment.

APL Solar combines the technological advantages of our APL solutions with the need to install such **systems in areas not covered by the AC grid.**



SYSTEM COMPONENTS

LED luminaires

Talos N



LEDBox

4 projectors
Basic 102



Control unit

APL Solar

APL Solar Active



APL Solar Active activation devices

Sensor and push-button

Touch-button

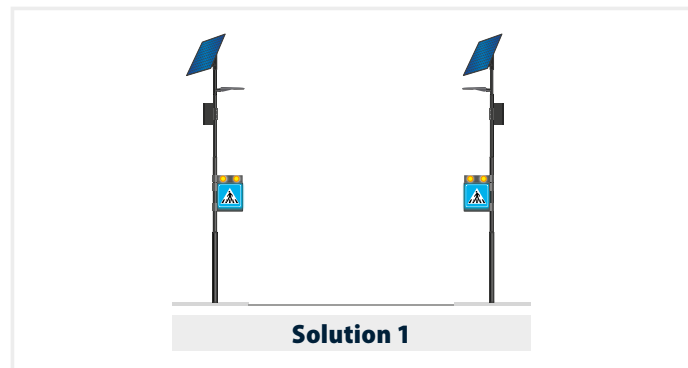
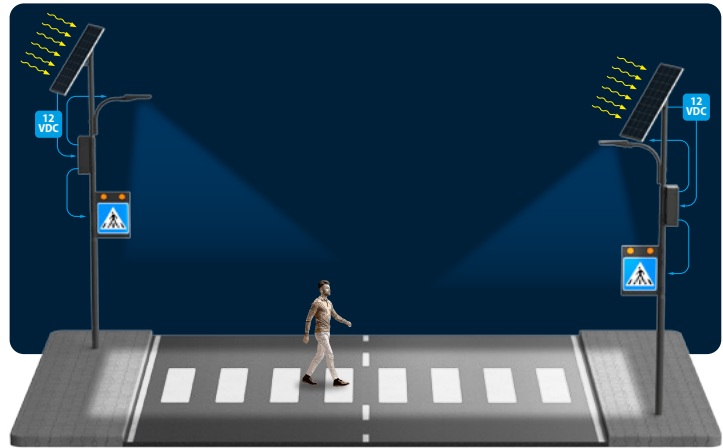


APL SOLAR

Even if with lower power comparing to AC APL (APL Classic and APL Smart), the APL SOLAR (with Talos N) can guarantee sufficient **horizontal and vertical illuminance** levels in compliance with the **EN 13201** and a good warning system thanks to the LED warning lights certified and approved according to **EN 12352**.

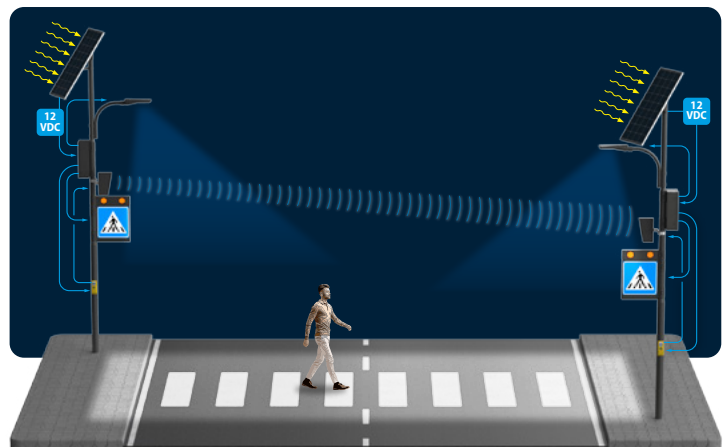
The solution consists of a modular system that simplifies installation and maintenance.


The kit includes a photovoltaic panel and an external cabinet containing all the control electronics.

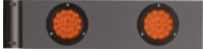







APL SOLAR ACTIVE

- Lighting is activated automatically at night to allow a basic safety level and makes the crossing visible to drivers and pedestrians.
- The LED flashers are activated by **push button or motion sensor**. A wireless connection activates immediately the flashers of the opposite side



 <p>TALOS N</p>	<p>LED luminaires with dedicated double asymmetric optic targeting the highest classes EV of the EN 13201.</p>	Compliance	EN 13201
		LED optic	Asymmetric L -R Specific for pedestrian crossing
		Input voltage	12 VDC
		Power cons.	15 W
		Material	Die-cast aluminum SUPERCAS^T
		Mounting	Ø60
		Dimensions	500 x 80 x 247 mm

 <p>LEDBOX BASIC 102</p>  <p>LEDBOX BASIC 201</p>  <p>SENSOR AND PUSH-BUTTON</p>  <p>TOUCH-BUTTON</p>	<p>LEDBoxes are devices with certified LED projectors to be combined with our backlit to increase visibility of the pedestrian crossing especially during the daytime.</p> <p>Activation devices. Sensor and buttons make the system interactive and safer.</p>	Certification	Basic 102 Basic 201	EN 12352 - L2H EN 12352 - L8H
		LED colour		Basic 102 x 4 (double side) Basic 201 x 2 (single side)
		Input voltage	12 VDC	
		Power cons.	15 W	
		Fixing	Pole	Ø60 - Ø90 Ø114 Band-it
		Box dimensions	600 x 160 x 60 mm	
		Certification		
		Input voltage	12 VDC	

CONTROL UNITS AND POWER SUPPLY

APL SOLAR / SOLAR ACTIVE PHOTOVOLTAIC KIT



The solution consists of a modular system that simplifies installation and maintenance. The kit includes a photovoltaic panel and an external cabinet containing all the control electronics.

Peak power: 190 W
 Battery: 80 Ah LifePO
 Output voltage: 12 V
 Mounting: pole Ø90 mm



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