



Classic and Classic-ELV

Pedestrian crossing lighting systems

Pedestrian crossing lighting systems

At night and in poor visibility hours, the pedestrian crossings must be properly illuminated and signaled:

SIGNAL

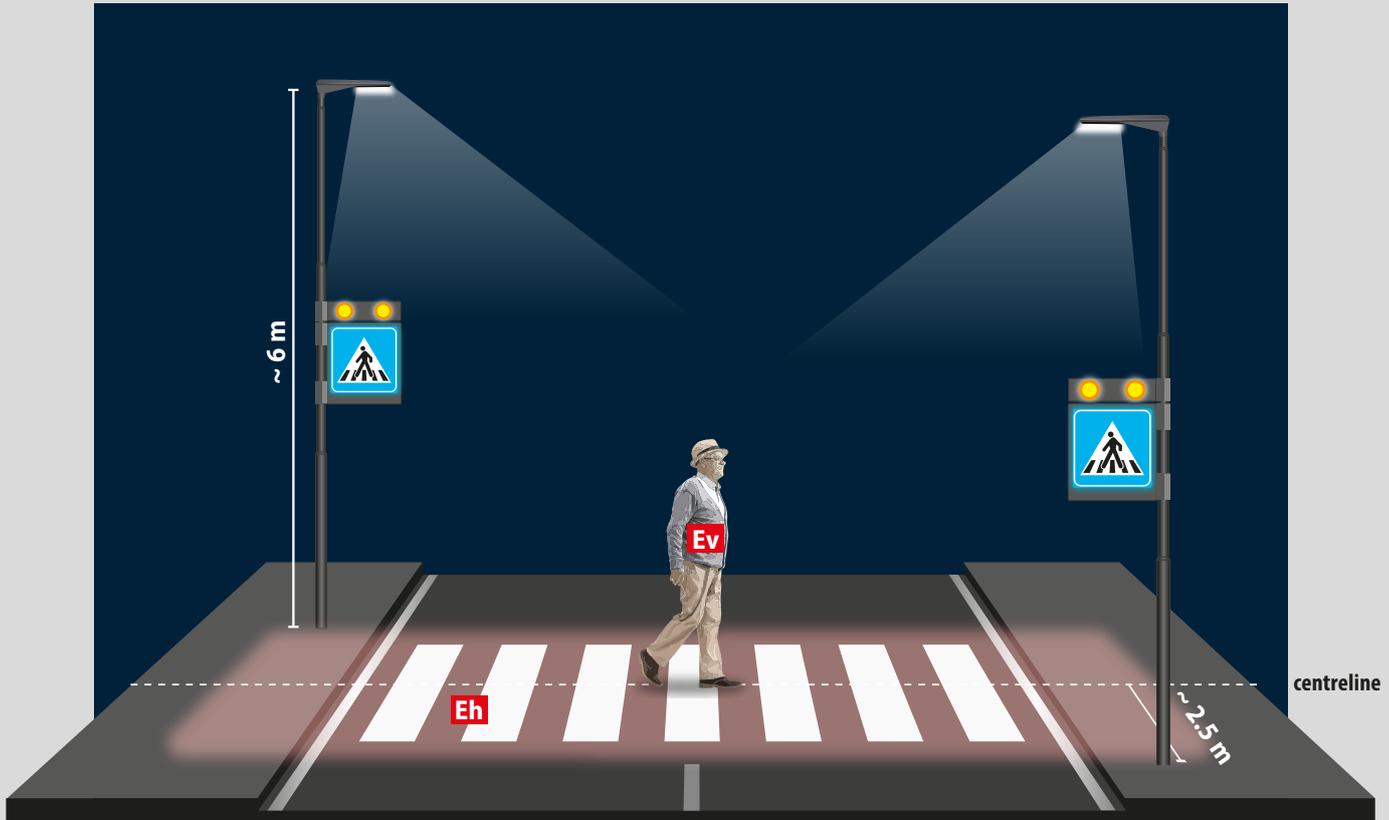
using LED flashers certified according to **EN 12352** and LED backlit signals according to **UNI 12899**.

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 **EN13201**.*





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).

Horizontal illuminance E_h [lux]

Is the quantity of light measured on the horizontal plan [E_h] 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**.

Vertical illuminance E_v [lux]

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

APL Classic is the first **signalling and illuminating system for pedestrian crossings** designed to achieve the highest levels of safety for pedestrians using the latest technologies.

Without APL



With APL



Components of APL Classic system

LED streetlights

Talos G



Talos N



LED backlit signs - double side

60 x 60



90 x 90 slim



Power supply

Power supply/Battery kit



LEDBOX

4 projectors
Basic 102



2 projectors
Basic 201



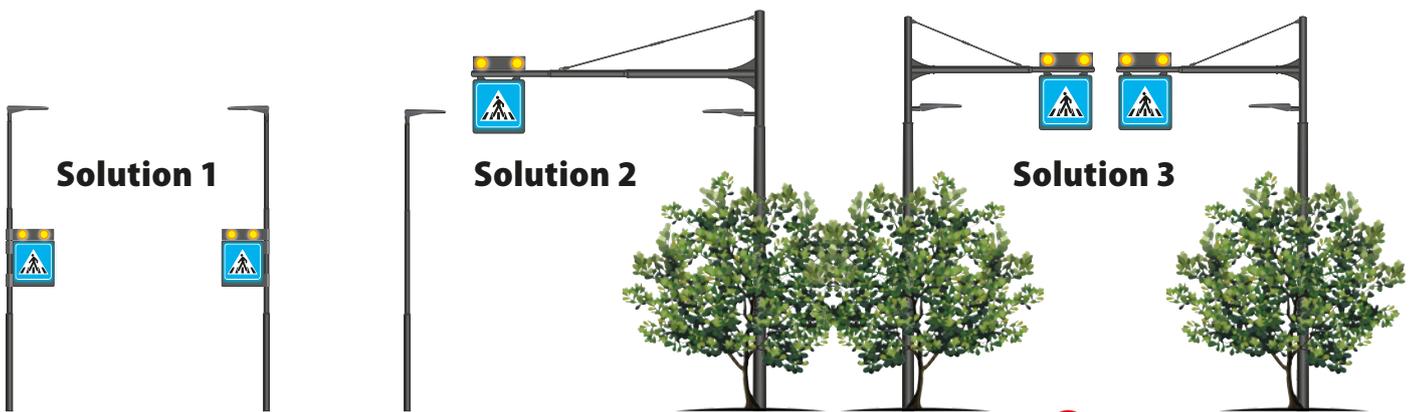
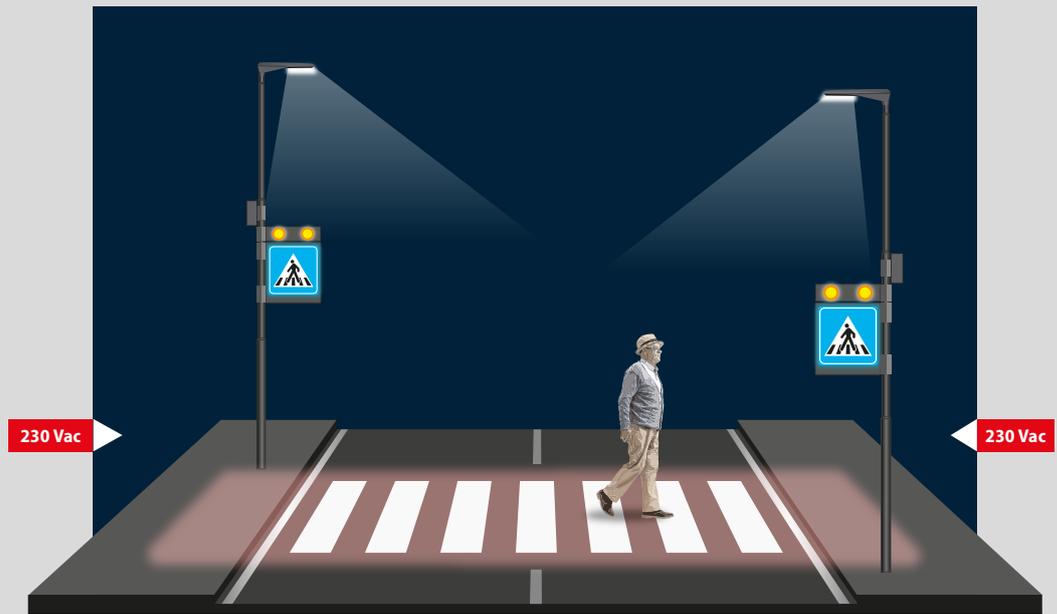
ELV control unit

(Extra Low Voltage)



APL Classic

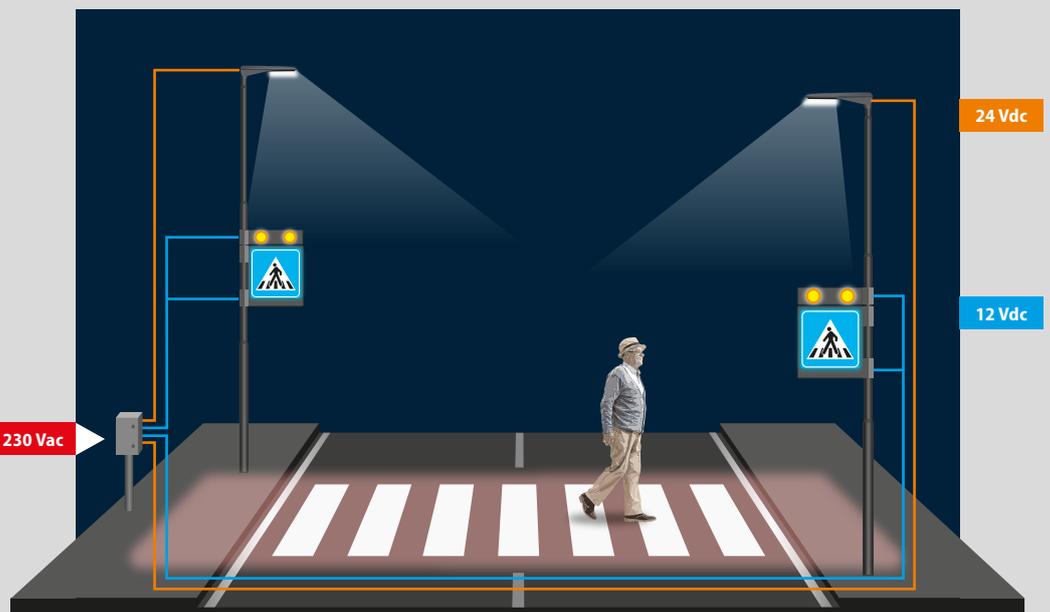
The flashing lights are always active while the street lights and backlit signs only work at night.



Solutions 2 and 3 are suitable for installations on roads with limits above 50 km/h (eg. )

APL Classic-ELV

(Extra Low Voltage) is the first system for the signaling and lighting of pedestrian crossings in extra low voltage which makes it ideal for installations where the 230V power supply is available only on one side of the road, making the installation procedure and the crossing of the street with cables, safer and easier.



Components



TALOS G



TALOS N



DOUBLE SIDE
90X90 SLIM



DOUBLE SIDE
60X60

LED Streetlights with dedicated double asymmetric optic targeting the highest classes **EV** of the **EN13201**.

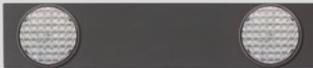
Our **backilluminated LED signs** are extremely important to make the pedestrian crossing visible from long distances. The perfect uniformity and luminance values of the signs are our competitive advantage. The backilluminated sign LED 90x90 can be equipped with lower LED Trilogy bar.

Compliance	EN13201	
Certification		
LED optics	Asymmetric L - R Specific for pedestrian crossing	
Input voltage	230 VAC	24 VDC
Power consumption	TALOS G TALOS N	137 W 68 W
Material	Die-cast aluminum SUPERCAS[®]	
Mounting	Ø60	
Dimensions	TALOS G TALOS N	690 x 360 x 225 mm 500 x 260 x 195 mm
Compliance	EN12899	
LED colour	○ Double side	
Input voltage	230 VAC - 12 VDC	
Light emission area	90 x 90 cm	60 x 60 cm
Power consumption	51 W	36 W
Mounting	Tilting system	Ø60 - Ø90 mm Band-it
Dimensions	1000 x 1000 x 62 mm (w/o bracket)	645 x 735 x 68 mm (w/o bracket)

Components



LEDBOX BASIC 102



LEDBOX BASIC 201

LEDBOXes are devices with certified LED projectors to be combined with our backlit to increase visibility of the pedestrian crossing especially during the day.

Certification	Basic 201 Basic 102	EN12352 - L8H EN12352 - L2H
LED colour		Basic 201 x 2 (single side) Basic 102 x 4 (double side)
Input voltage	230 VAC	12 VDC
Power consumption	Basic 201 Basic 102	15 W 15 W
Mounting	Pole	Ø60 - Ø90 Band-it
Box dimensions	600 x 160 x 60 mm 900 x 210 x 120 mm	

Control and power supply units



CONTROL UNIT
CLASSIC ELV

Fiberglass cabinet.
Pole with fixing
bracket.
Power supplies,
protections and
flashing control
module.



POWER SUPPLY/
BATTERY KIT

**Power Supply/
Battery Kit** has
been created for
connection of the
public lighting
network (available
only at night), in
addition to a flashing
module for the
LEDBox (L-50), it is
equipped with a
battery for operating
the lights also during
daytime.

Battery: 9Ah - 18Ah
Flashing: L50
Flash 10%
Mounting: band-it /
pole Ø90 mm



DETAS SpA - D-Power division
Via Treponti, 29 - 25086 Rezzato (BS) ITALY
Tel. +39 030 2594120
info@d-power.com
www.d-power.com
ISO 9001 - ISO 14001 certified company