APL Classic 230
APL Classic ELV

# PEDESTRIAN CROSSING LIGHTING SYSTEMS

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

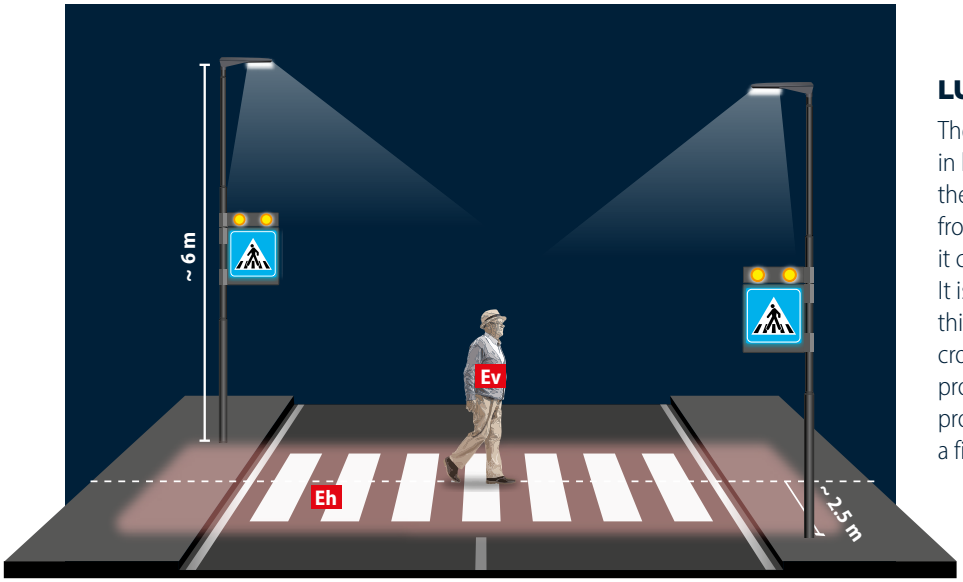
## SIGNAL

using LED flashers certified according to **EN 12352** and LED backlit 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 **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 EH [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**.

## VERTICAL ILLUMINANCE EV [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 CLASSIC

APL Classic is the **signalling and lighting system of pedestrian crossings** designed to achieve a high level of safety for pedestrians.
The flashers are always active, the LED luminaires and the backlit signs work only during the night.

## Without APL

## With APL

## SYSTEM COMPONENTS

### LED luminaires

Talos G

Talos N

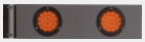
### LED backlit signs - double side

60 x 60

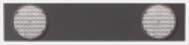
90 x 90 slim

### LEDBox

4 projectors
Basic 102



2 projectors
Basic 201



### Power supply

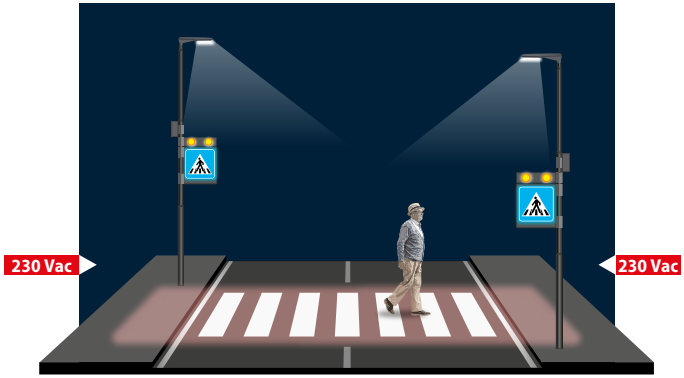
Power supply / Battery kit APL Classic 230

Control unit APL Classic ELV

## APL CLASSIC 230

This system works at 230 V and it is mostly suited for applications where mains power is available at both sides of the road.

No cutting across the street required.

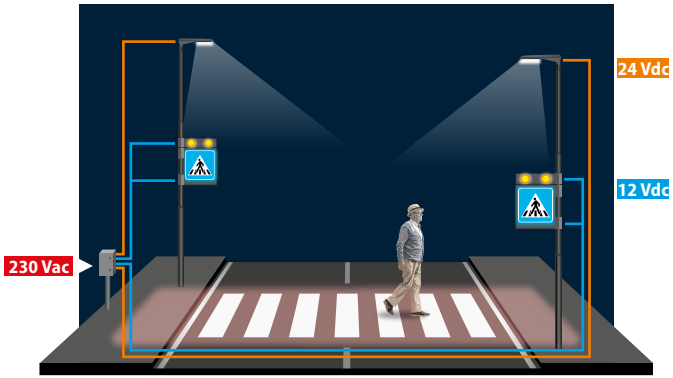




Solutions 2 and 3 are suitable for installations on roads with limits above 50 km/h (e.g. 70 )

## APL CLASSIC ELV

This is the Extra Low Voltage version that makes installation easier when mains power is available at one side of the road only. Cutting of the street required.



TALOS G

TALOS N

| | | | |
|---|---|---|---|
| **LED luminaires** with dedicated double asymmetric optic targeting the highest classes **EV** of the **EN13201**. | Compliance | **EN13201** | |
| | LED optic | **Asymmetric L -R** Specific for pedestrian crossing | |
| | Input voltage | **230 VAC** | **24 VDC** |
| | Power cons. | **TALOS G** **137 W**<br>**TALOS N** **68 W** | |
| | Material | **Die-cast aluminum SUPERCAST®** | |
| | Mounting | **Ø60** | |
| | Dimensions | **TALOS G** **690 x 360 x 225 mm**<br>**TALOS N** **500 x 260 x 195 mm** | |

DOUBLE SIDE 90X90 SLIM

DOUBLE SIDE FLAG 60X60

| | | | |
|---|---|---|---|
| Our **LED backlit 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 LED backlit signs 90x90 can be equipped with lower LED Trilogy bar. | Compliance | **EN12899** | |
| | LED colour | ○ **Double side** | |
| | Model | **Double side SLIM** | **Double side flag** |
| | Light emission area | **90 x 90 cm** | **60 x 60 cm** |
| | Input voltage | **230 VAC - 12 VDC** | **230 VAC - 12 VDC** |
| | Power cons. | **230 VAC - 54 W**<br>**12 VDC - 48 W** | **230 VAC - 40 W**<br>**12 VDC - 25 W** |
| | Mounting | **Tilting system** | **Ø60 - Ø90 mm Band-it** |
| | Dimensions [mm] | **1000 x 1140 x 63** | **646 x 730 x 63** (bracket excluded) |
| | Code figure's application | Class II superior translucent films | Class II superior translucent films |

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 daytime.

| | | |
|---|---|---|
| Certification | Basic 102<br>Basic 201 | **EN12352 - L2H**<br>**EN12352 - L8H** |
| LED colour | ● | Basic 102 x 4 (double side)<br>Basic 201 x 2 (single side) |
| Input voltage | **230 VAC** | **12 VDC** |
| Power cons. | Basic 102<br>Basic 201 | **15 W**<br>**15 W** |
| Fixing | Pole | **Ø60 - Ø90**<br>**Band-it** |
| Box dimensions | **645 x 160 x 60 mm**<br>**900 x 210 x 120 mm** | |

## CONTROL UNITS AND POWER SUPPLY

**APL CLASSIC ELV CONTROL UNIT**

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 (L50), it is equipped with a battery for operating the lights also during daytime.

Battery: 12Ah - 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

**ledpedestriancrossing.com**