

APL Classic 230
SOLUTION 4



**PEDESTRIAN CROSSING
LIGHTING SYSTEMS**

SOLUTION 4

01



02



SYSTEM COMPONENTS

LED luminaires

Trilogy N



LED backlit signs - double side

90 x 90 slim

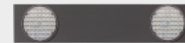


90 x 90 bold



LEDBox

2 projectors
Basic 201



Power supply

Power supply / Battery kit



Kit Astro



The APL Classic SOLUTION 4

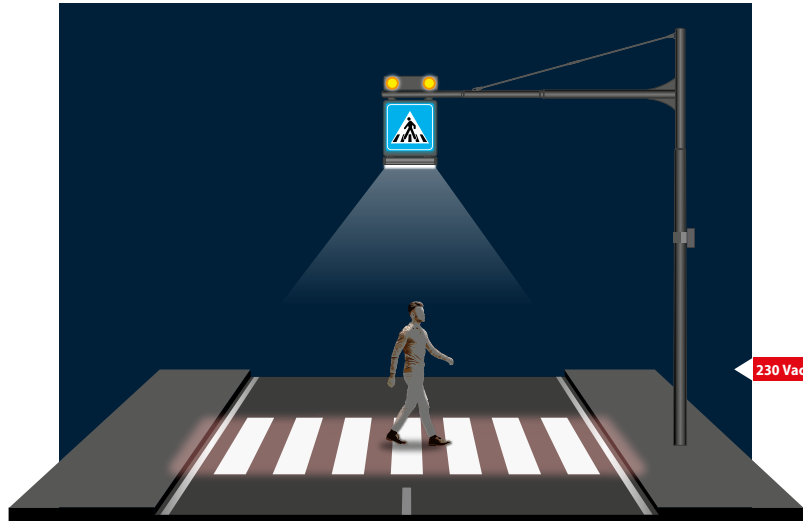
originated from a need to offer a product that can be used as a retrofit on old installations and for some applications where it is not possible to lay a pole on one side of the road.

This solution, however, does not comply with the **UNI/TS 11726** because it only guarantees good horizontal illumination but not the vertical one that is necessary to make the pedestrian visible.

As you can see in **picture 1** a pedestrian crossing exactly on the axis is visible even if not illuminated correctly.

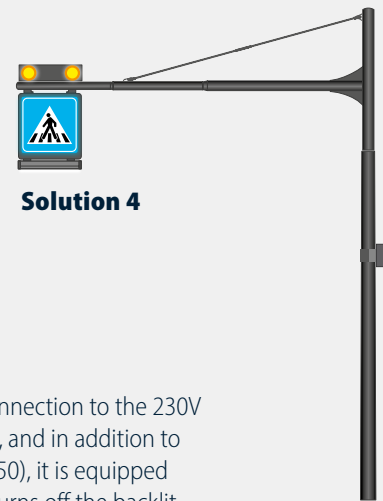
If the pedestrian crosses on another area (**picture 2**) for one traffic direction is going to be visible only thanks to the negative contrast that is created between its black shape and the background illuminated by the surrounding public lighting.

It is important to remember that, in order to prevent accidents, the pedestrian must be visible from the waiting areas and this solution does not reach an adequate level of vertical illuminance in such areas, especially on wide roads.



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.



Solution 4

Kit Astro has been created for connection to the 230V network (available 24 hours a day), and in addition to flashing module for the LEDBox (L50), it is equipped with an astronomical switch that turns off the backlit sign and LED light fixtures during daytime.



LED bar specifically designed for pedestrian crossing.

The narrow optic is able to deliver very high horizontal values on the zebra crossing. It is used in combination with 90x90 backlit signs.

Compliance	EN13201	
LED optic	Symmetric Specific for pedestrian crossing	
Input voltage	230 VAC	
Power cons.	45 W	
Material	Aluminum	Adjustable bracket included
Dimensions	80 x 91 x 1000 mm (w/o bracket)	



**DOUBLE SIDE
90X90 SLIM**



**DOUBLE SIDE
90X90 BOLD**


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 BOLD	Double side SLIM
Light emission area	90 x 90 cm	90 x 90 cm
Input voltage	230 VAC	230 VAC - 12 VDC
Power cons.	230 VAC - 42 W	230 VAC - 54 W 12 VDC - 48 W
Mounting	Tilting system	Tilting system
Dimensions [mm]	1065 x 1240 x 200	1000 x 1140 x 63
Code figure's application	silk-screened polycarbonate glass	Class II superior translucent films



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 201	EN12352 - L8H
LED colour		Basic 102 x 4 (double side) Basic 201 x 2 (single side)
Input voltage	12 VDC	
Power cons.	Basic 201	15 W
Fixing	Pole	Ø60 - Ø90
Box dimensions	900 x 210 x 120 mm	

CONTROL UNITS AND POWER SUPPLY



KIT ASTRO

Time Box Astro has been created for connection to the 230V network (available 24 hours a day), and in addition to flashing module for the LEDBox (L50), it is equipped with an astronomical switch that turns off the backlit sign and LED light fixtures during daytime.

Flashing: L50
Flash 10%
Mounting: band-it / pole Ø90 mm



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



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