

APL Classic 230  
SOLUTION 4



**PEDESTRIAN CROSSING  
LIGHTING SYSTEMS**

**SOLUTION 4**

01



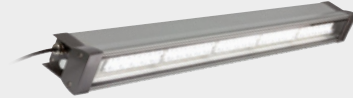
02



**SYSTEM COMPONENTS**

**LED luminaires**

Trilogy N



**LED backlit signs - double side**

90 x 90 slim

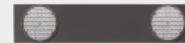


90 x 90 bold



**LEDBox**

2 projectors  
Basic 201



**Power supply**

Power supply / Battery kit



Kit Astro



**The APL Classic SOLUTION 4**

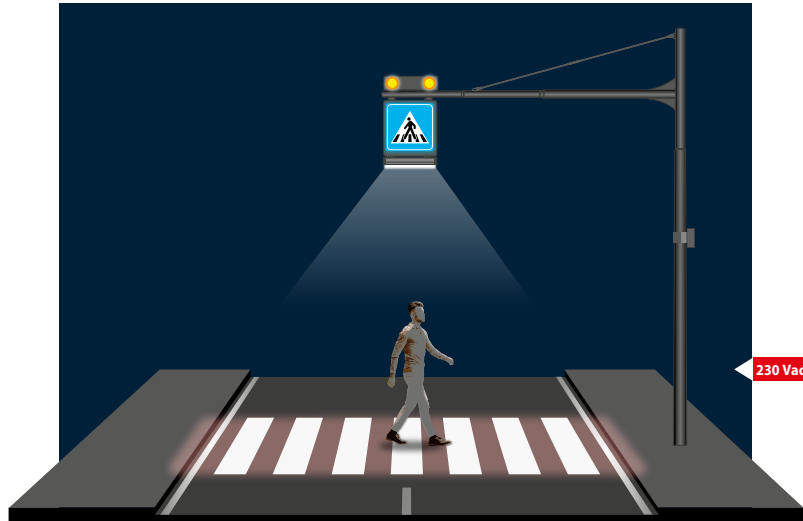
originated from a need to offer a product that can be used as a retrofit on old installations and for some applications where it is not possible to lay a pole on one side of the road.

This solution, however, does not comply with the **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.

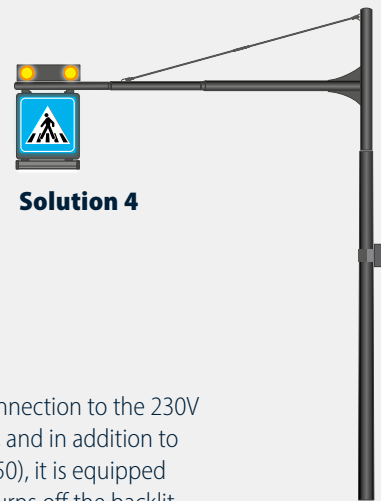
If the pedestrian crosses on another area (**picture 2**) for one traffic direction is going to be visible only thanks to the negative contrast that is created between its black shape and the background illuminated by the surrounding public lighting.

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.



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



**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	<b>EN12899</b>	
LED colour	○ <b>Double side</b>	
Model	<b>Double side BOLD</b>	<b>Double side SLIM</b>
Light emission area	<b>90 x 90 cm</b>	<b>90 x 90 cm</b>
Input voltage	<b>230 VAC</b>	<b>230 VAC - 12 VDC</b>
Power cons.	<b>230 VAC - 42 W</b>	<b>230 VAC - 54 W 12 VDC - 48 W</b>
Mounting	<b>Tilting system</b>	<b>Tilting system</b>
Dimensions [mm]	<b>1065 x 1240 x 200</b>	<b>1000 x 1140 x 63</b>
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	<b>EN12352 - L8H</b>
LED colour		Basic 102 x 4 (double side) Basic 201 x 2 (single side)
Input voltage	<b>12 VDC</b>	
Power cons.	Basic 201	<b>15 W</b>
Fixing	Pole	<b>Ø60 - Ø90</b>
Box dimensions	<b>900 x 210 x 120 mm</b>	

## 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



**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**