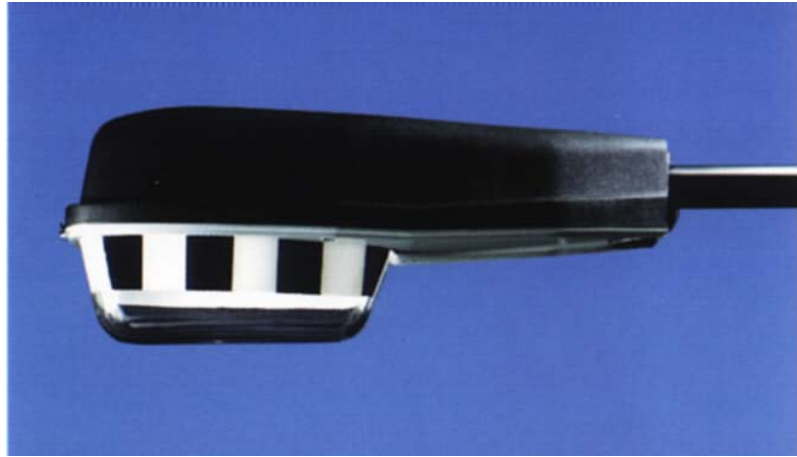


SP03 PEDESTRIAN CROSSING ILLUMINATION LIGHTING FIXTURE

SP03 Lighting Fixture



Basic Information

To see and to be seen is the basic principle of traffic safety on ground communications. One of the ways to enhance safety of pedestrians on crossings in the evening and at night is to use additional illumination. This additional illumination makes exposed crossings more distinct by the light colour, its intensity, and directional nature of the illumination so that pedestrians are illuminated from the on-coming vehicle's direction and highly positively contrasted on the darker background. The use of different light colour and intensity makes the crossing distinct and not coinciding with the common street illumination.

Technical Description

For additional pedestrian crossing illumination, we use the SP 03 ZEBRA lighting fixtures that have been proved by long-term use in the MC 2 model in street illumination in terms of maintenance and utility properties. However, the additional pedestrian crossing illumination lighting fixtures have different, asymmetric, radiation characteristic thanks to a halide discharge lamp ensuring the white light. They can be used with the left or right characteristic as per their position relative to the crossing. These lighting fixtures are beneficial in mounting on sheet metal bent poles with the extension up to 3 m.

The additionally illuminated crossing supply is provided either from the public lighting system grid when the times of turning these fixtures on/off are identical with those of the public system, or the times are resolved by separate connection to the LV system or to a permanently supplied branch of the public illumination system that is individually controlled.

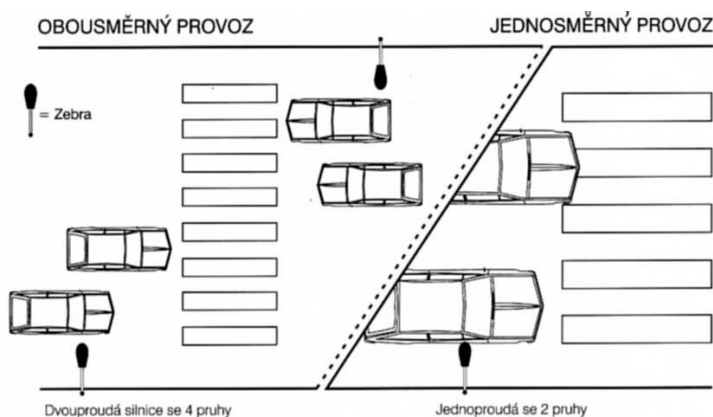
Every illuminated crossing should be resolved through a separate project based on calculations to be paid special attention to regarding the lighting fixture position above the crossing (height, extension, uniformly spread light, and preventing drivers from being dazzled).

Solution Examples



As an example, the solution of an additionally illuminated pedestrian crossing can be seen in Prague 5 on Eliska Premyslovna street. The picture clearly shows the crossing distinction with different colour and higher intensity of the light. Pedestrians entering the crossing are illuminated from the on-coming driver's direction.

Various Situations in Crossing Solutions



OBOUSMĚRNÝ PROVOZ – TWO-WAY TRAFFIC
 JEDNOSMĚRNÝ PROVOZ – ONE-WAY TRAFFIC
 Dvouproudová silnice se 4 pruhy – Two-way four-lane road
 Jednouproudová silnice se 2 pruhy – One-way two-lane road

Technical Parameters

	SP 03
Luminous source:	Pedestrian crossing illumination lighting fixture
Rated voltage:	
Optical/electrical section protection:	100 – 250 W halide discharge lamp 230V / 50Hz
Mass:	
Dimensions (LxW):	IP65 / IP23 4.7 to 7.6 kg 705 x 220 mm

Contact

ELTODO EG, a.s.
 Novodvorská 1010/14
 142 01 Praha 4, Czech Republic
 Phone: +420 261 346 828
 Fax: +420 261 346 803
 E-mail: eltodo@eltodo.cz
<http://www.eltodo.cz>