

OP03 PEDESTRIAN CROSSING ILLUMINATION LIGHTING FIXTURE

Additionally Illuminated Crossing



Basic Information

In practice, the **additional illumination** of pedestrian crossings with higher luminous intensity and the colour of light different from that commonly used in the public illumination system proved good. In these systems, the **OP03** resistant lighting fixtures emitting the white light with a higher luminous output, which makes even pedestrians wearing dark suits (see the figure above) well visible in the night or in other adverse situations (deteriorated weather conditions, such as rain, fog, snow and others), are used. Thanks to luminous properties of the fixture, pedestrians are illuminated in positive contrast against the installed street lighting in the vehicle movement direction, which allows drivers better recognition of pedestrians' intentions and, consequently, to adapt driving so that no collision occurs.

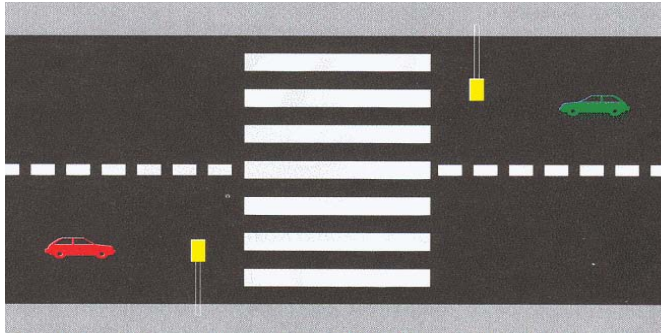
For the support system, we use sheet metal bent poles specifically designed for this purpose whose mechanical properties (easy absorption of crash forces in case of collision with a vehicle) contribute to enhancement of the traffic safety.

OP03 Lighting Fixture



OP03 Lighting Fixture Properties

The fixture consists of a base made of aluminium alloy, and polycarbonate housing. Its optical section consists of parts of polished aluminium with a structured surface, and an optical housing made of polycarbonate with a black and white diaphragm.

	<p>Both parts are put together so that they ensure the IP65 protection. The radiation characteristic is asymmetric in the left and right arrangement.</p>														
<p>Crossing Installation</p>	<p>The basic arrangement as per the figure (refer to the basic crossing diagram of basic) shows the installation on the road with two driving lanes 7 m wide.</p> <p>The poles for fixing lighting fixtures are placed ca. 1 m in front of the crossing's entering edge. The lighting fixture is placed on an extender at least 1.5 m long. The extension length depends on the installation's specific conditions.</p> <p>The lighting fixture's suspension height is usually 6 m, always lower than the height of the public lighting system pole (usually at least 8 m).</p> <p>On a four-lane road divided direction-wise, the fixtures are placed above both lanes in the given direction; poles may be located at the walkway side and in the median division strip, as allowed by local conditions.</p>														
<p>Basic Crossing Diagram</p>															
<p>Caution</p>	<p>It is recommended to make the placement and the installation of the crossing based on calculations of luminous properties and a specific project.</p>														
<p>Technical Parameters</p>	<table> <tr> <td>Name:</td> <td>Pedestrian crossing illumination lighting fixture</td> </tr> <tr> <td>Type:</td> <td>OP 03</td> </tr> <tr> <td>Luminous source:</td> <td>100 – 250 W halide discharge lamp</td> </tr> <tr> <td>Rated voltage:</td> <td>230V / 50Hz</td> </tr> <tr> <td>Optical/electrical section protection:</td> <td>IP65 / IP23</td> </tr> <tr> <td>Mass:</td> <td>8.1 to 9 kg</td> </tr> <tr> <td>Dimensions (LxWxH):</td> <td>722 x 285 x 306mm</td> </tr> </table>	Name:	Pedestrian crossing illumination lighting fixture	Type:	OP 03	Luminous source:	100 – 250 W halide discharge lamp	Rated voltage:	230V / 50Hz	Optical/electrical section protection:	IP65 / IP23	Mass:	8.1 to 9 kg	Dimensions (LxWxH):	722 x 285 x 306mm
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