

PUBLIC LIGHTING SYSTEM MC FAMILY LIGHTING FIXTURES

MC 12 and MC2 Lighting Fixtures



Basic Information

A high level of luminous parameters, a long service life, a hermetically encased optical block, installation arrangement variability, and yet the maximum simplicity – those are major properties that destine the MC family lighting fixtures for use in public lighting systems. They are suitable for illuminating both communications and industrial areas.

The significant advantage of these lighting units consists in energy savings and maintenance costs thanks to the “**Sealsafe**” system.

Technical Description

The fixture basic support is made of a die-cast aluminium alloy. The polycarbonate housing of the optical system ensures a high resistance against vibrations and impacts. The optical system covers are made of polycarbonate or PMMA; toughened sheet glass can also be used.

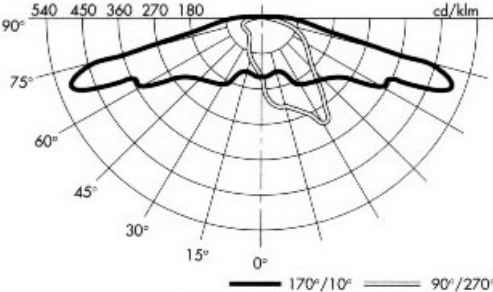
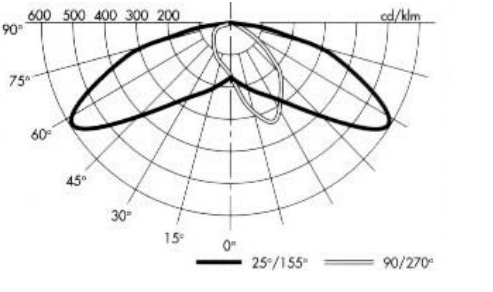
These fixtures are also available with custom-made variable photometry according to the nature of required illumination in relation to the road width, the fixture suspension height, and the distance from the road edge.

Sealsafe®

The fixture design and technology guarantee fully hermetic enclosure of the optical section and, thus, a long service life through the Sealsafe® system.

Basically, this is a combination of the reflector, its protective cover, and the luminous source attachment into one common optical block. This, thus, virtually eliminates dirtiness in the optical section inner space and allows cutting down the output of the luminous source used, or, if need be, decreasing the distance between the public lighting system poles.

The system guarantees long-term adherence to the preset high-level luminous properties.

<p>Maintenance</p>	<p>The electric block plate with additional circuits can easily be removed after tilting the polypropylene protective cover fixed with stainless clamps to allow shop repairs.</p> <p>The luminous source can be replaced after tilting the propylene protective cover and pulling out the socket bracket from the optical section by turning and releasing. A silicone sealing is placed in the discharge lamp bracket periphery that ensures long-term tightness after closing.</p> <p>Fixtures can be fixed either on the pole shaft, or extender. The clamps used ensure a simple assembly and disassembly; the unused opening is blinded with a small cover made of plastics.</p>																		
<p>Luminous Source</p>	<p>Standard model: 50 -250 W clear sodium high-pressure discharge lamp.</p>																		
<p>MC 12 Photometric Data</p> <p>Luminosity curve for 70 W high-pressure sodium discharge lamp; 1317 reflector; and PC refractor.</p>																			
<p>MC 2 Photometric Data</p> <p>Luminosity curve for 150 W high-pressure sodium discharge lamp; 1312 reflector; and PC refractor.</p>																			
<p>MC 12 and MC 2 Lighting Fixtures Parameters</p>	<table border="0"> <tr> <td>Name:</td> <td>Public lighting system fixture</td> </tr> <tr> <td>Type:</td> <td>MC 12, MC 2</td> </tr> <tr> <td>Rated voltage:</td> <td>230 V / 50 Hz</td> </tr> <tr> <td>Luminous source (MC 12):</td> <td>50 – 100 W halide discharge l.</td> </tr> <tr> <td>Luminous source (MC 2) :</td> <td>70 -250 W halide discharge l.</td> </tr> <tr> <td>Optical/elec. section protec:</td> <td>IP66/IP44</td> </tr> <tr> <td>Electric class:</td> <td>I (II)</td> </tr> <tr> <td>Dimensions (LxW):</td> <td>705x220 mm</td> </tr> <tr> <td>Pole shaft diameter:</td> <td>42 -60 mm</td> </tr> </table>	Name:	Public lighting system fixture	Type:	MC 12, MC 2	Rated voltage:	230 V / 50 Hz	Luminous source (MC 12):	50 – 100 W halide discharge l.	Luminous source (MC 2) :	70 -250 W halide discharge l.	Optical/elec. section protec:	IP66/IP44	Electric class:	I (II)	Dimensions (LxW):	705x220 mm	Pole shaft diameter:	42 -60 mm
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