

## Safir 1 and Safir 2



## Basic Information

The **SAFIR** family of fixtures represents today's very best in fixtures designed for illuminating roads of all classes, and public spaces in general. New technical solutions that significantly increase the quality of these fixtures and guarantee the high level of light and technical properties of these fixtures are used in their design.

The fixture is made of highly resistant materials that meet the most rigid ecological criteria and are fully recyclable.

The significant advantage of these lighting units consists in energy savings and maintenance cost thanks to "**Sealsafe**".

## Technical Description

These lighting fixtures consist of an aluminium die-cast housing, a cover made of rigid plastic, a plate bearing additional devices, a protective cover of the optical system made of toughened glass, PC or PMMA, and a faceted reflector made of vacuum-coated plastic.

### **Safir 1 (S 1)**

Photometric parameters are set in the manufacturing process. The fixture is designed for both the horizontal and vertical fixing. The bracket is part of the fixture.

### **Safir 2 (S 2)**

The position of the luminous source in the fixture is resolved by moving the socket along the helical line with subsequent position fixing. The fixture is fixed on the pole or the extender by means of a variable bracket for both the vertical and horizontal mounting. The bracket is part of the fixture.

<b>Sealsafe®</b>	<p>The fixture design and technology guarantee fully hermetic enclosure of the optical section and, thus, a long service life through the Sealsafe® system.</p> <p>This system is based on perfect sealing of the optical section, which is thus protected against water and dust in the long term – IP 66. The system ensures protection of the optical section for the whole service life of the fixture, which, consequently, minimizes deterioration of the fixture's technical parameters due to its ageing.</p>																						
<b>Beneficial Luminous Source Replacement</b>	<p>By moving the closure handle, the socket is placed and fixed in the correct position and automatically secured against pulling out.</p> <p>Additional benefits:</p> <ul style="list-style-type: none"> <li>• While being replaced, the luminous source is disconnected from the supply voltage along with the stabiliser.</li> <li>• The absence of free wires simplifies maintenance.</li> <li>• The fixture's cover cannot be closed without correct positioning and securing of the luminous source.</li> </ul>																						
<b>Maintenance</b>	<p>The electric block plate with additional devices can easily be removed after tilting the polypropylene protective cover to allow shop repairs.</p> <p>The luminous source can be replaced after tilting the 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 clips used ensure simple assembly and disassembly.</p>																						
<b>S 1 and S 2 Fixtures Parameters</b>	<table> <tr> <td>Type:</td> <td>Safir 1 and Safir 2</td> </tr> <tr> <td>Rated voltage:</td> <td>230 V / 50 Hz</td> </tr> <tr> <td>Luminous source:</td> <td>50 – 100 W sodium discharge lamp</td> </tr> <tr> <td>• S 1</td> <td>70 -250 W sodium discharge lamp</td> </tr> <tr> <td>• S 2</td> <td>70 -250 W sodium discharge lamp</td> </tr> <tr> <td>Optical section protection:</td> <td>IP66</td> </tr> <tr> <td>Additional circuits protection:</td> <td>IP43</td> </tr> <tr> <td>Electric class:</td> <td>I.</td> </tr> <tr> <td>S 1 / S 2 dimensions (LxW):</td> <td>520x285 mm / 720x335 mm</td> </tr> <tr> <td>Pole shaft diameter:</td> <td>42 – 60 mm</td> </tr> <tr> <td>S 1 / S 2 mass:</td> <td>5.9kg / 9.3kg</td> </tr> </table>	Type:	Safir 1 and Safir 2	Rated voltage:	230 V / 50 Hz	Luminous source:	50 – 100 W sodium discharge lamp	• S 1	70 -250 W sodium discharge lamp	• S 2	70 -250 W sodium discharge lamp	Optical section protection:	IP66	Additional circuits protection:	IP43	Electric class:	I.	S 1 / S 2 dimensions (LxW):	520x285 mm / 720x335 mm	Pole shaft diameter:	42 – 60 mm	S 1 / S 2 mass:	5.9kg / 9.3kg
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<b>Contact</b>	<p><b>ELTODO EG, a.s.</b>  Novodvorská 1010/14  142 01 Praha 4, Czech Republic  Phone: +420 261 346 828  Fax: +420 261 346 803  E-mail: <a href="mailto:eltodo@eltodo.cz">eltodo@eltodo.cz</a>  <a href="http://www.eltodo.cz">http://www.eltodo.cz</a></p>																						