Deviating mirrors in stand for light grids
Orion Mirror Kxxx

Application:
- Perimeter protection

Features:
- For 2, 3 and 4 beams
- Robust extruded aluminum
- Sturdy steel base
- Spirit level for adjustment

Orion Mirror Kxxx are used to reflect the beams of a light grid when transmitter and receiver or active unit and passive unit are not in front of each other, e.g. perimeter protection. The mirrors are housed in an extruded aluminum column with a steel base.

Orion Mirror Kxxx are available in different lengths and can be used with Orion2 and Orion3 light grids.

Easy Installation
Orion Mirror Kxxx are supplied with pre-mounted mirrors. Each mirror can be adjusted independently. The base is made of two plates. Both their inclination and their angular position can be adjusted. A spirit level facilitates the adjustment. Equipped with springs, Orion Stand Plate can be used to absorb vibrations and compensate uneven floor surfaces. Orion Stand Plate is available as an accessory.

Deviating mirrors reduce the operating range
No more than three deviating mirrors should be used along the same optical path. Each mirror decreases the operating range. The operating range is decreased to:
- 85% of the nominal range with one mirror,
- 65% with two mirrors and
- 50% with three mirrors.

Orion Mirror Kxxx with Orion Stand Plate. The number of deviations affects the operating distance.
### Ordering information and dimensions

#### Example above - Orion Mirror K050

<table>
<thead>
<tr>
<th>Article number</th>
<th>Model</th>
<th>Used with</th>
<th>Number of mirrors</th>
<th>L1* (mm)</th>
<th>L2** (mm)</th>
<th>L (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2TLA022312R1000</td>
<td>Orion Mirror K050</td>
<td>Orion2-4-K2-050-B/E, Orion3-4-K1C-050-B/E</td>
<td>2</td>
<td>400</td>
<td>500</td>
<td>1000</td>
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<tr>
<td>2TLA022312R1100</td>
<td>Orion Mirror K080</td>
<td>Orion2-4-K3-080-B/E, Orion3-4-K2C-080-B/E</td>
<td>3</td>
<td>300</td>
<td>400</td>
<td>1200</td>
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<tr>
<td>2TLA022312R1200</td>
<td>Orion Mirror K090</td>
<td>Orion2-4-K4-090-B/E, Orion3-4-K2C-090-B/E</td>
<td>4</td>
<td>300</td>
<td>300</td>
<td>1650</td>
</tr>
<tr>
<td>2TLA022312R1300</td>
<td>Orion Mirror K120</td>
<td>Orion2-4-K4-120-B/E, Orion3-4-K2C-120-B/E</td>
<td>4</td>
<td>300</td>
<td>400</td>
<td>1650</td>
</tr>
</tbody>
</table>

* L1: distance from the base to the center of the lowest mirror  
** L2: distance between the center of the mirrors

#### Article number | Model         | Description
<table>
<thead>
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<tbody>
<tr>
<td>2TLA022312R5000</td>
<td>Orion Stand Plate</td>
<td>Kit for adjustment of Stand</td>
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</tbody>
</table>

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