Lisa2-Clip16-XP miniature lens for Cree XP series of LEDs

- Lens material optical grade PMMA with high UV and temperature resistance (105°C/220°F). Lens holder molded of high quality black PC.
- High optical efficiency, up to 90%.
- Integrated holder with small snap clips. See drawing below for more details. Fastening of holder the lens to PCB.
- Very small and compact dimensions: Diameter 9.9 mm, height 6.8 mm.

LENS TYPES

<table>
<thead>
<tr>
<th>NAME</th>
<th>ORDERING CODE</th>
<th>FWHM Angle</th>
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<tbody>
<tr>
<td>Lisa2-Clip16 Real Spot</td>
<td>FA11085 Lisa2-RS-clip16-XP</td>
<td>±8°</td>
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<tr>
<td>Lisa2-Clip16 Medium</td>
<td>FA11075 Lisa2-M-clip16-XP</td>
<td>±12°</td>
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<td>Lisa2-Clip16 Oval</td>
<td>FA11121 Lisa2-O-clip16-XP</td>
<td>±±5° x 16°</td>
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<td>Lisa2-Clip16 Wide</td>
<td>FA11076 Lisa2-W-clip16-XP</td>
<td>±20°</td>
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~ results are based on simulation value.
MEASUREMENT DATA

Relative Intensity of FA11055_Lisa2-RS-Pin-XP
Relative Intensity of FA10995_Lisa2-M-Pin-XP
Relative Intensity of FA10996_Lisa2-W-Pin-XP
Drawing of a Lisa2-clip holder with dimensions:

- Bottom view: Diameter 8.6
- Front view: Hole in PCB diameter 1.76
- Isometric view: Diameter 2

Material: PC

Tolerances:
- Dimensions +/- 0.1 if not otherwise shown

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DRAWING TITLE: Installing Lisa2-clip holder

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<th>CHECKED BY</th>
<th>DATE</th>
<th>DESIGNED BY</th>
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<td>30.11.2009</td>
<td>Lk</td>
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SIZE: A4

SCALE: 4:1

WEIGHT: 1/1