

## LISA2-CLIP16 MINIATURE LENSES FOR OSRAM OSOLON SSL/SX LEDS



- Lens material optical grade PMMA with high UV and temperature resistance (105°C/220°F). Lens holder molded of high quality black PC(120°C/248°F).
- High optical efficiency, up to 90%.
- Integrated holder with small snap clips. See drawing below for more details of fastening the holder to PCB.
- Very small and compact dimensions: Diameter 9.9 mm, height 6.8 mm.

## LENS TYPES

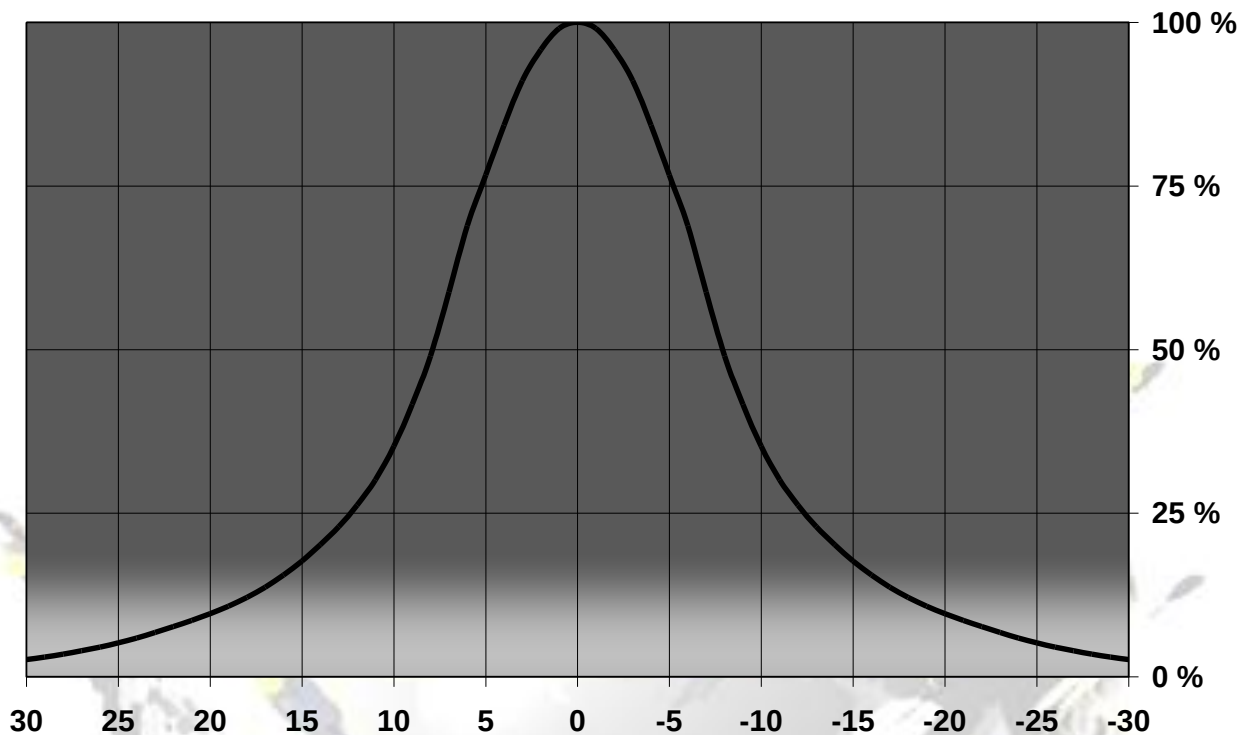
| NAME                   | ORDERING CODE                 | FWHM Angle   |
|------------------------|-------------------------------|--------------|
| Lisa2-Clip16 Real Spot | FA11084_Lisa2-RS-clip16-OSL   | ±8°          |
| Lisa2-Clip16 Medium    | FA11081_Lisa2-M-clip16-OSL    | ±12°         |
| Lisa2-Clip16 Oval      | FA11120_Lisa2-O-clip16-OSL    | ±9.5° x ±24° |
| Lisa2-Clip16 Oval 90°  | FA11857_Lisa2-O-90-clip16-OSL | ±9.5° x ±24° |
| Lisa2-Clip16 Wide      | FA11082_Lisa2-W-clip16-OSL    | ±16°         |
| Lisa2-Clip16 WW        | FA11083_Lisa2-WW-clip16-OSL   | ~±30°        |
| Lisa2-Clip16 WWW       | FA11958_Lisa2-WWW-Clip16-OSL  | ~±40°        |

| NAME                   | ORDERING CODE                    | FWHM Angle   |
|------------------------|----------------------------------|--------------|
| Lisa2-Clip16 Real Spot | FA11084_Lisa2-RS-clip16-OSL-SX   | ±8°          |
| Lisa2-Clip16 Medium    | FA11081_Lisa2-M-clip16-OSL-SX    | ±12°         |
| Lisa2-Clip16 Oval      | FA11120_Lisa2-O-clip16-OSL-SX    | ±9.5° x ±24° |
| Lisa2-Clip16 Oval 90°  | FA11857_Lisa2-O-90-clip16-OSL-SX | ±9.5° x ±24° |
| Lisa2-Clip16 Wide      | FA11082_Lisa2-W-clip16-OSL-SX    | ±16°         |
| Lisa2-Clip16 WW        | FA11083_Lisa2-WW-clip16-OSL-SX   | ~±30°        |
| Lisa2-Clip16 WWW       | FA11958_Lisa2-WWW-Clip16-OSL-SX  | ~±40°        |

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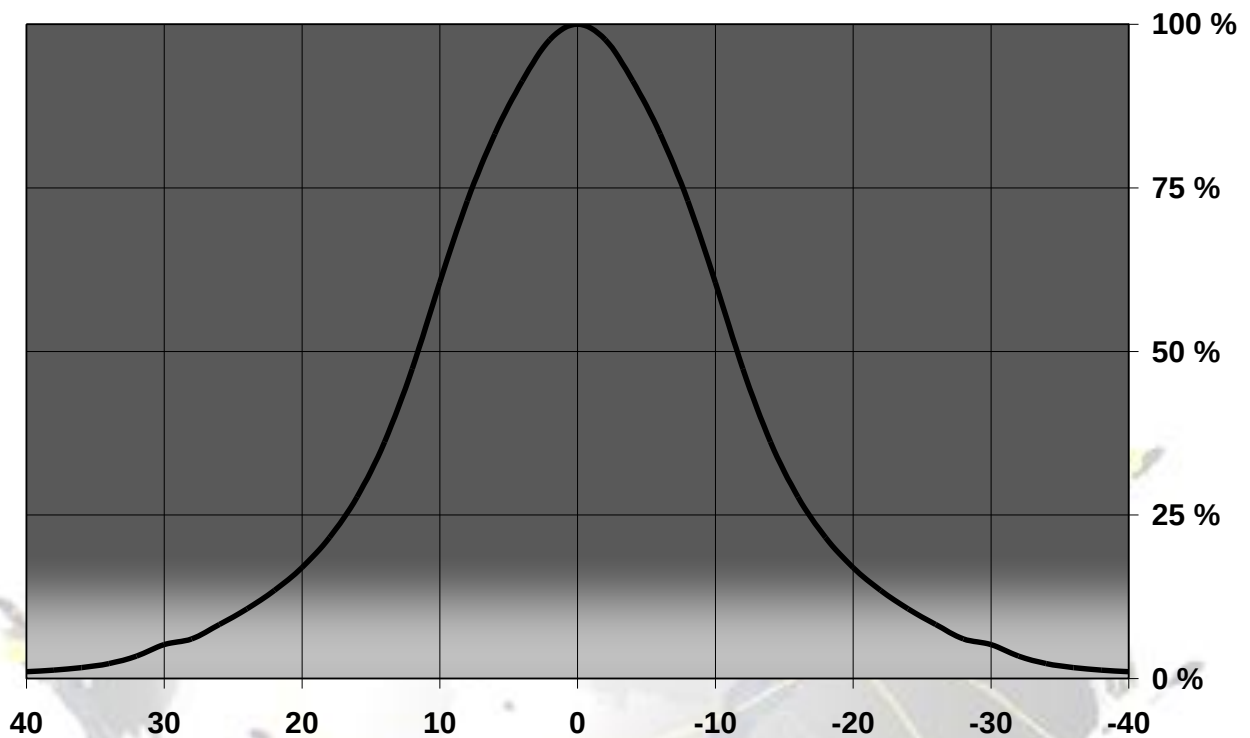
## MEASUREMENT DATA

Relative Intensity of FA11047\_Lisa2-RS-Pin-OSL



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Relative Intensity of FA11001\_Lisa2-M-Pin-OSL



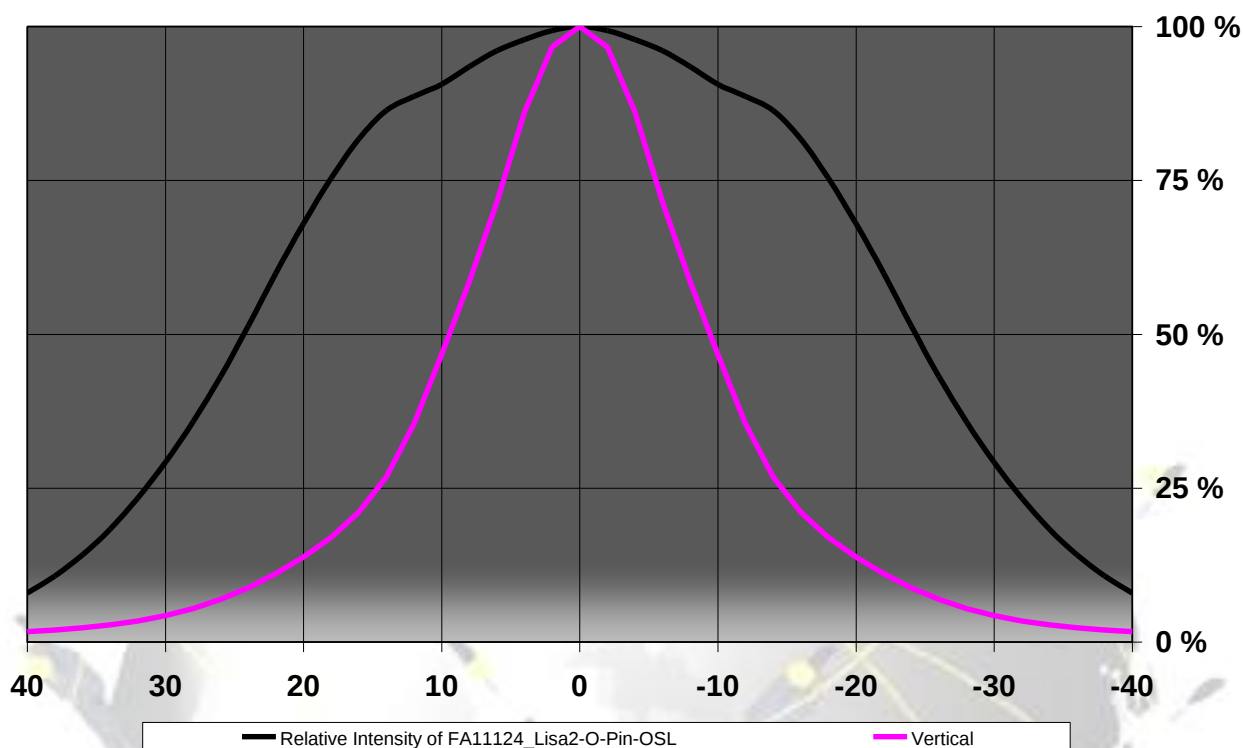
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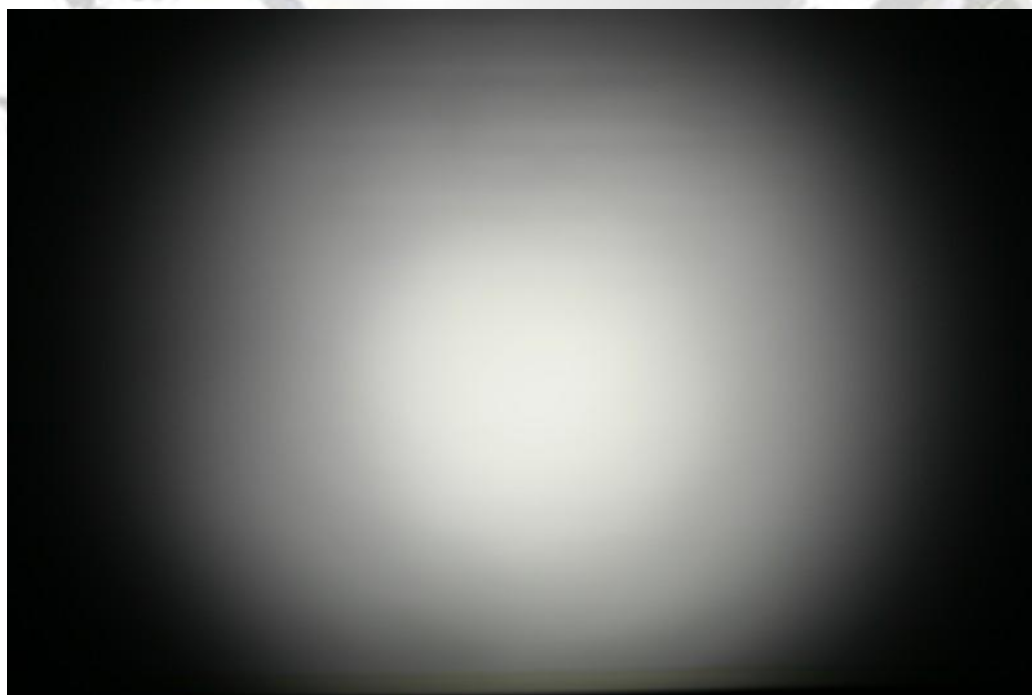
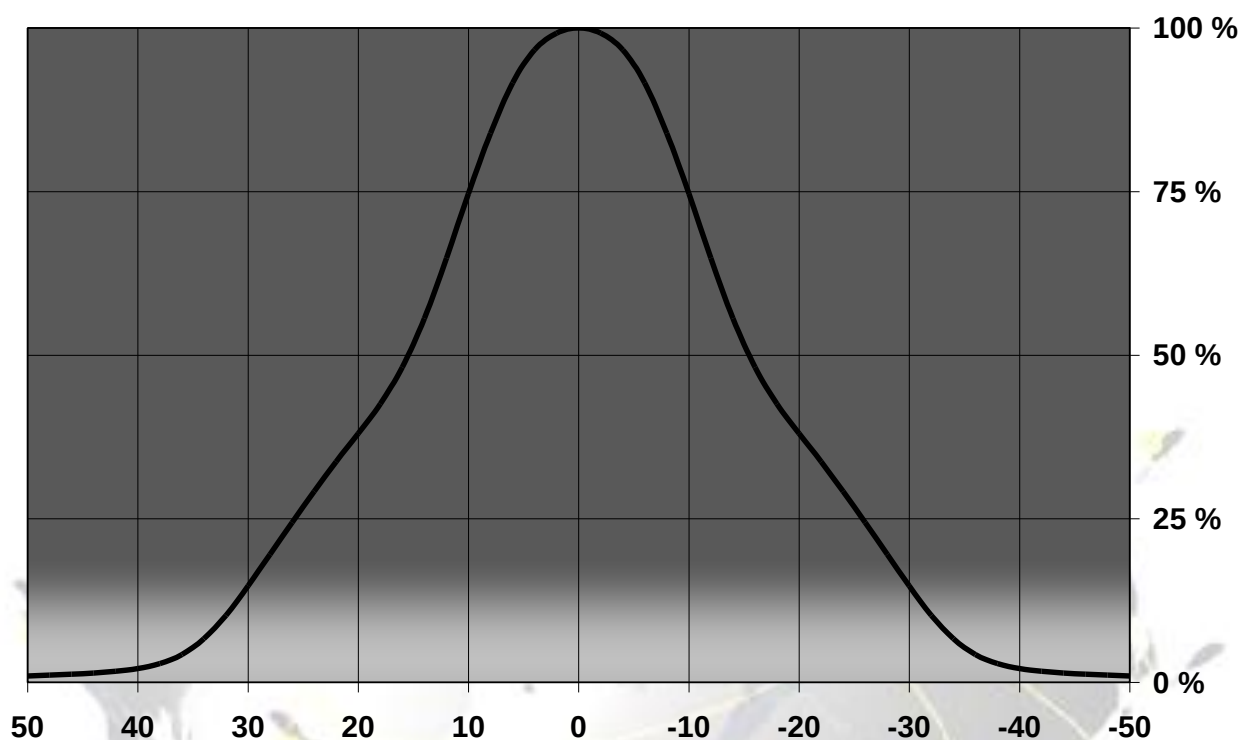
2010-12-31

Relative Intensity of FA11124\_Lisa2-O-Pin-OSL



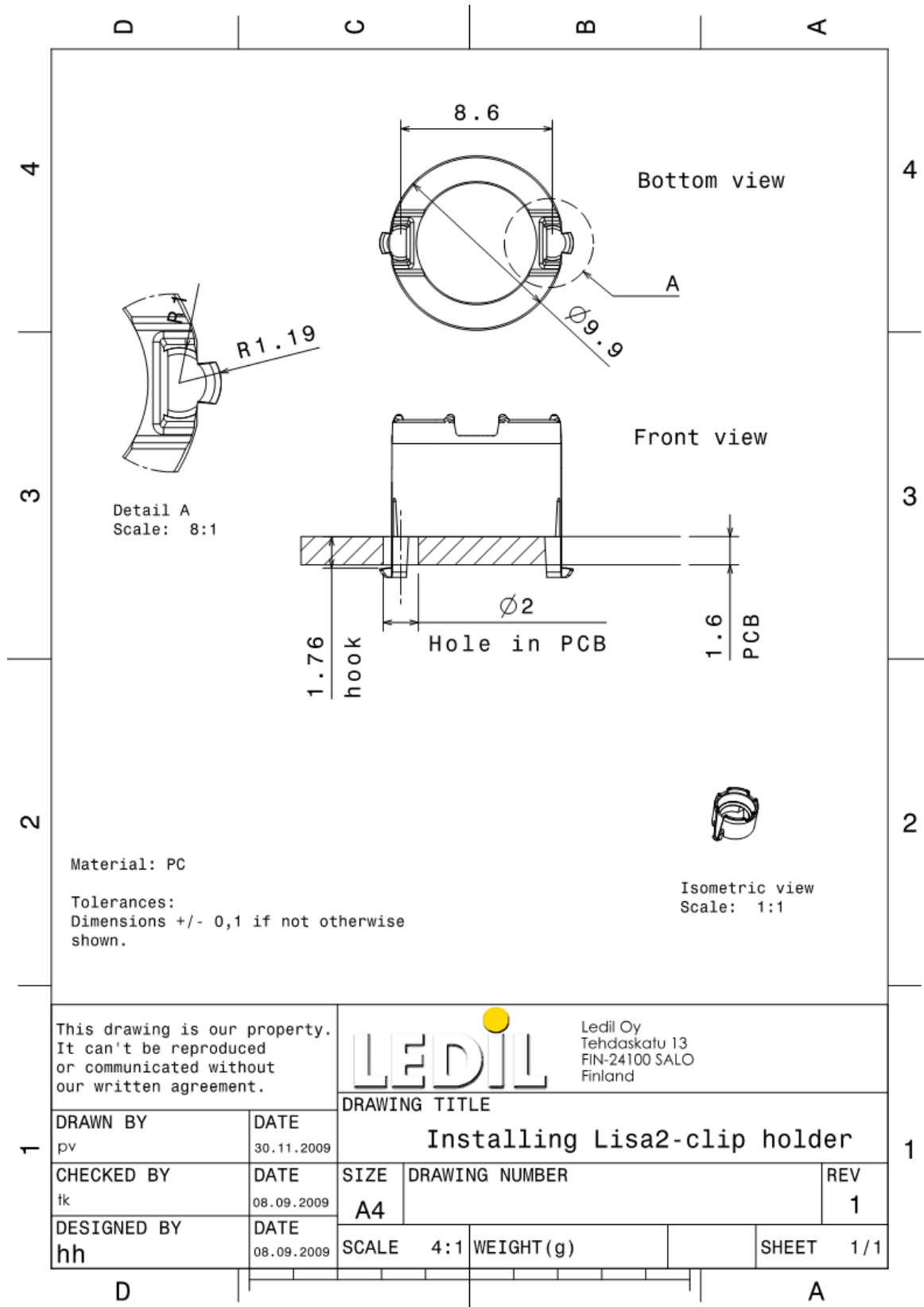
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Relative Intensity of FA11002\_Lisa2-W-Pin-OSL



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## DRAWINGS



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