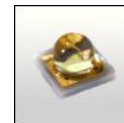


## LISA2-PIN-OSL MINIATURE LENSES FOR OSRAM OSLON SSL/SX LEDS



- 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 position pins, see drawing below for more details.
- Fastening of holder to PCB with appropriate adhesive, e.c. epoxy or polyurethane based. NOTE: DO NOT USE SUPERGLUE.
- Please check fastening details from this link:  
([http://www.ledil.com/datasheets/DataSheet\\_GLUES.pdf](http://www.ledil.com/datasheets/DataSheet_GLUES.pdf))
- Very small and compact dimensions: Diameter 9.9 mm, height 6.8 mm

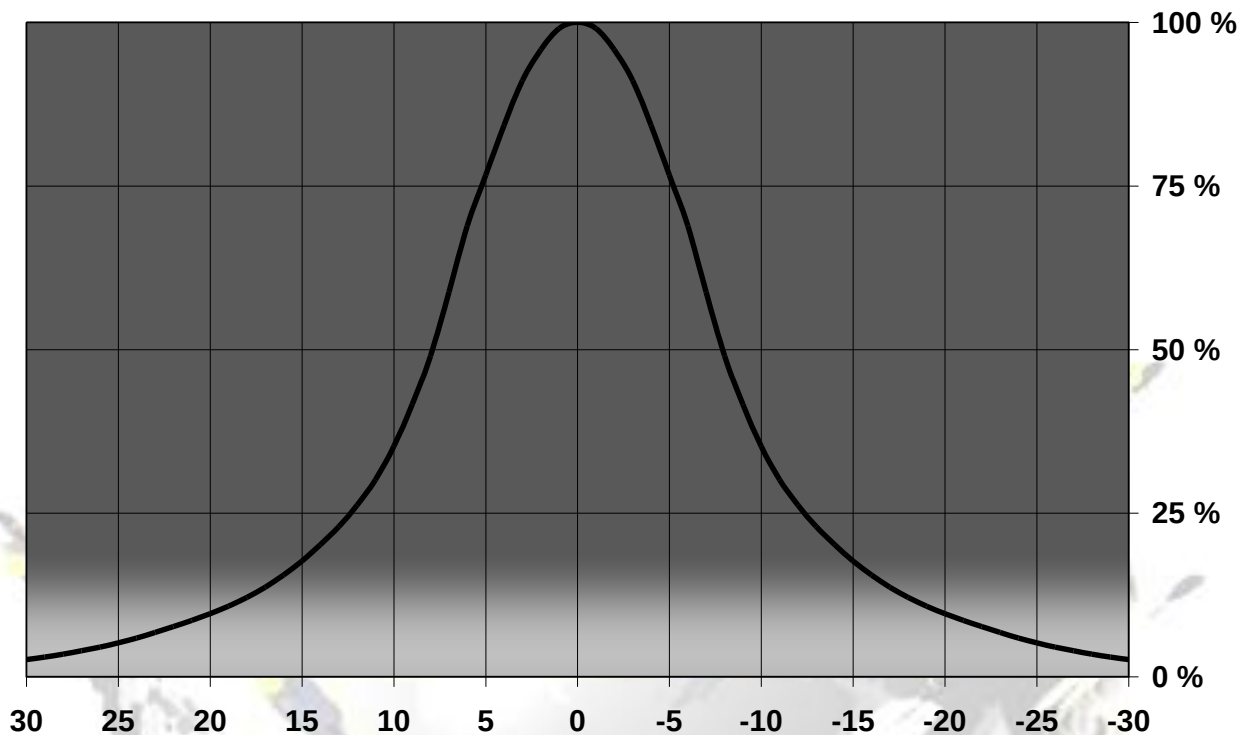
## LENS TYPES

| NAME                | ORDERING CODE              | FWHM Angle   |
|---------------------|----------------------------|--------------|
| Lisa2-Pin Real Spot | FA11047_Lisa2-RS-Pin-OSL   | ±8°          |
| Lisa2-Pin Medium    | FA11001_Lisa2-M-Pin-OSL    | ±12°         |
| Lisa2-Pin Oval      | FA11124_Lisa2-O-Pin-OSL    | ±9.5° x ±24° |
| Lisa2-Pin Oval 90°  | FA11852_Lisa2-O-90-Pin-OSL | ±9.5° x ±24° |
| Lisa2-Pin Wide      | FA11002_Lisa2-W-Pin-OSL    | ±16°         |
| Lisa2-Pin WW        | FA11003_Lisa2-WW-Pin-OSL   | ~±30°        |
| Lisa2-Pin WWW       | FA11957_Lisa2-WWW-Pin-OSL  | ~±40°        |

| NAME                | ORDERING CODE                 | FWHM Angle             |
|---------------------|-------------------------------|------------------------|
| Lisa2-Pin Real Spot | FA11047_Lisa2-RS-Pin-OSL-SX   | To be measured shortly |
| Lisa2-Pin Medium    | FA11001_Lisa2-M-Pin-OSL-SX    | To be measured shortly |
| Lisa2-Pin Oval      | FA11124_Lisa2-O-Pin-OSL-SX    | To be measured shortly |
| Lisa2-Pin Oval 90°  | FA11852_Lisa2-O-90-Pin-OSL-SX | To be measured shortly |
| Lisa2-Pin Wide      | FA11002_Lisa2-W-Pin-OSL-SX    | To be measured shortly |
| Lisa2-Pin WW        | FA11003_Lisa2-WW-Pin-OSL-SX   | To be measured shortly |
| Lisa2-Pin WWW       | FA11957_Lisa2-WWW-Pin-OSL-SX  | To be measured shortly |

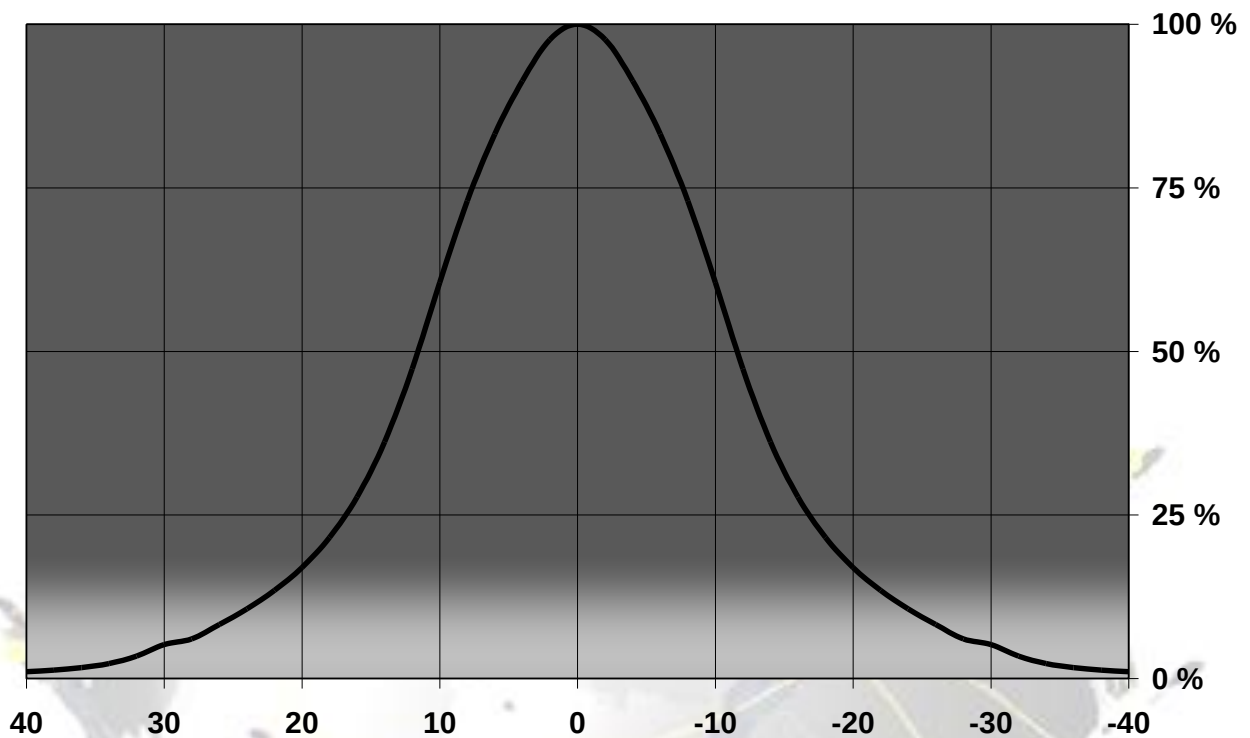
## MEASUREMENT DATA

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



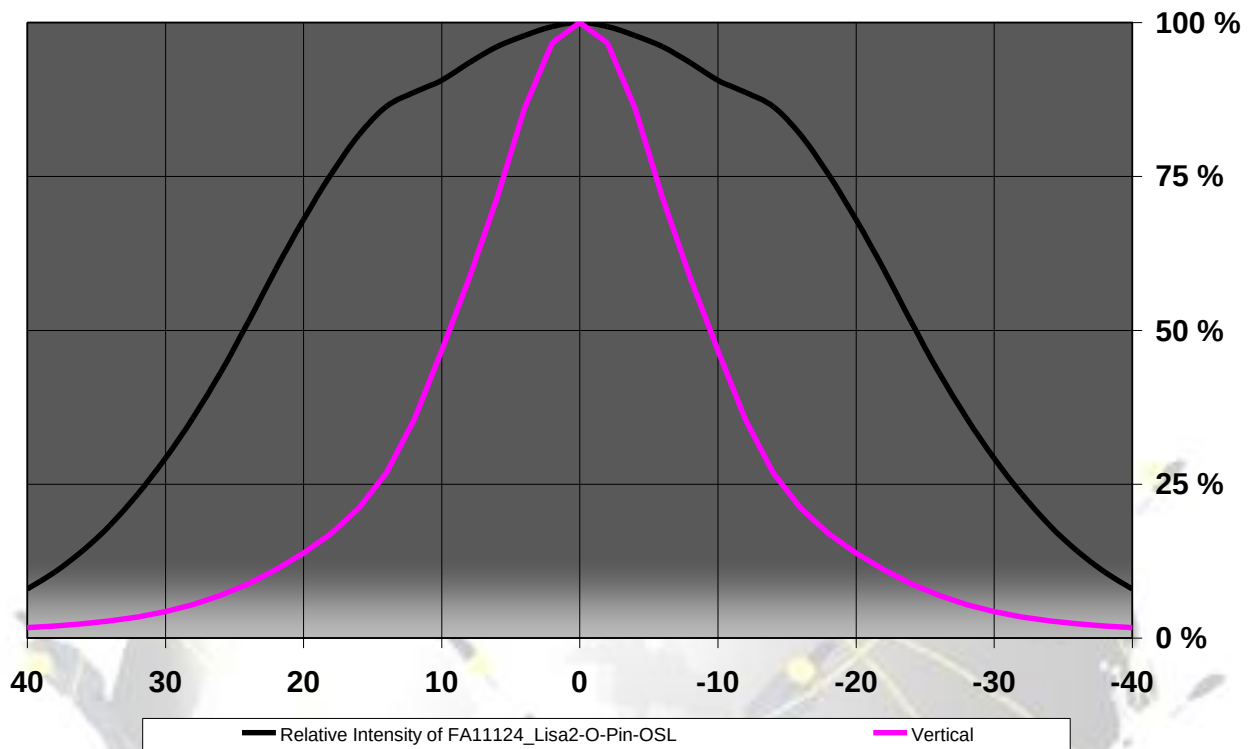
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Relative Intensity of FA11001\_Lisa2-M-Pin-OSL

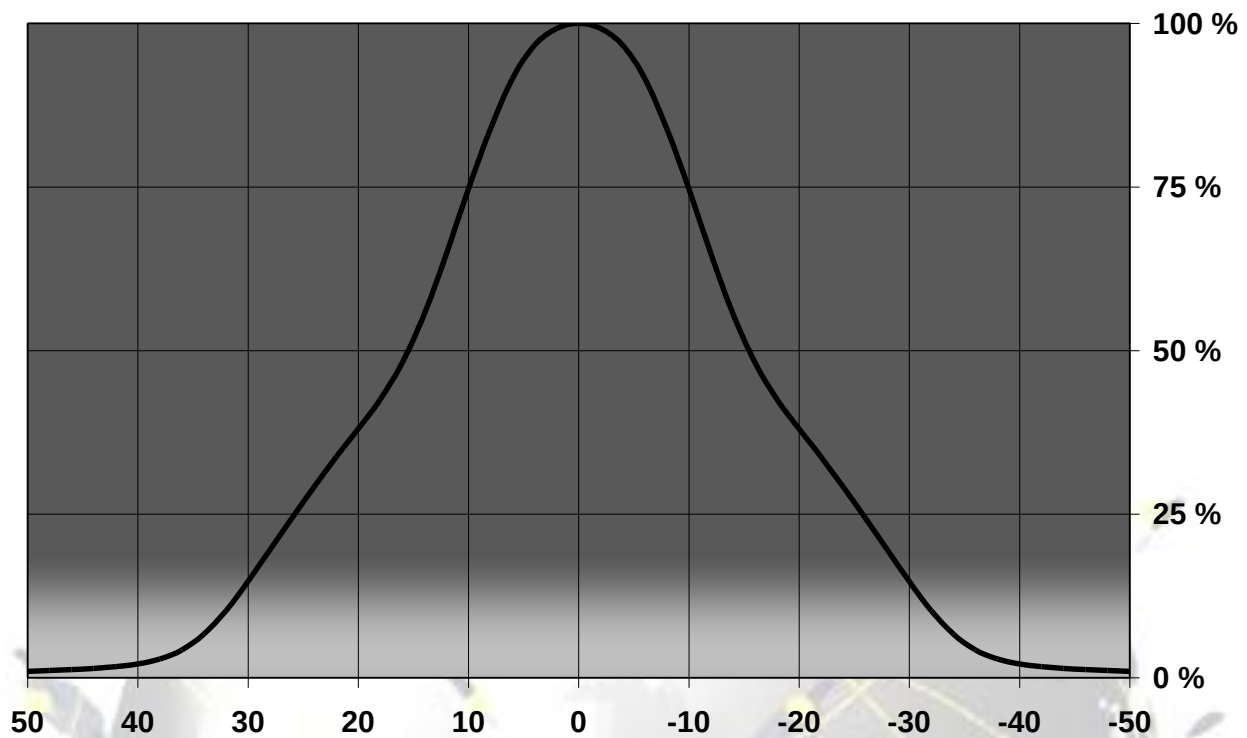


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Relative Intensity of FA11124\_Lisa2-O-Pin-OSL

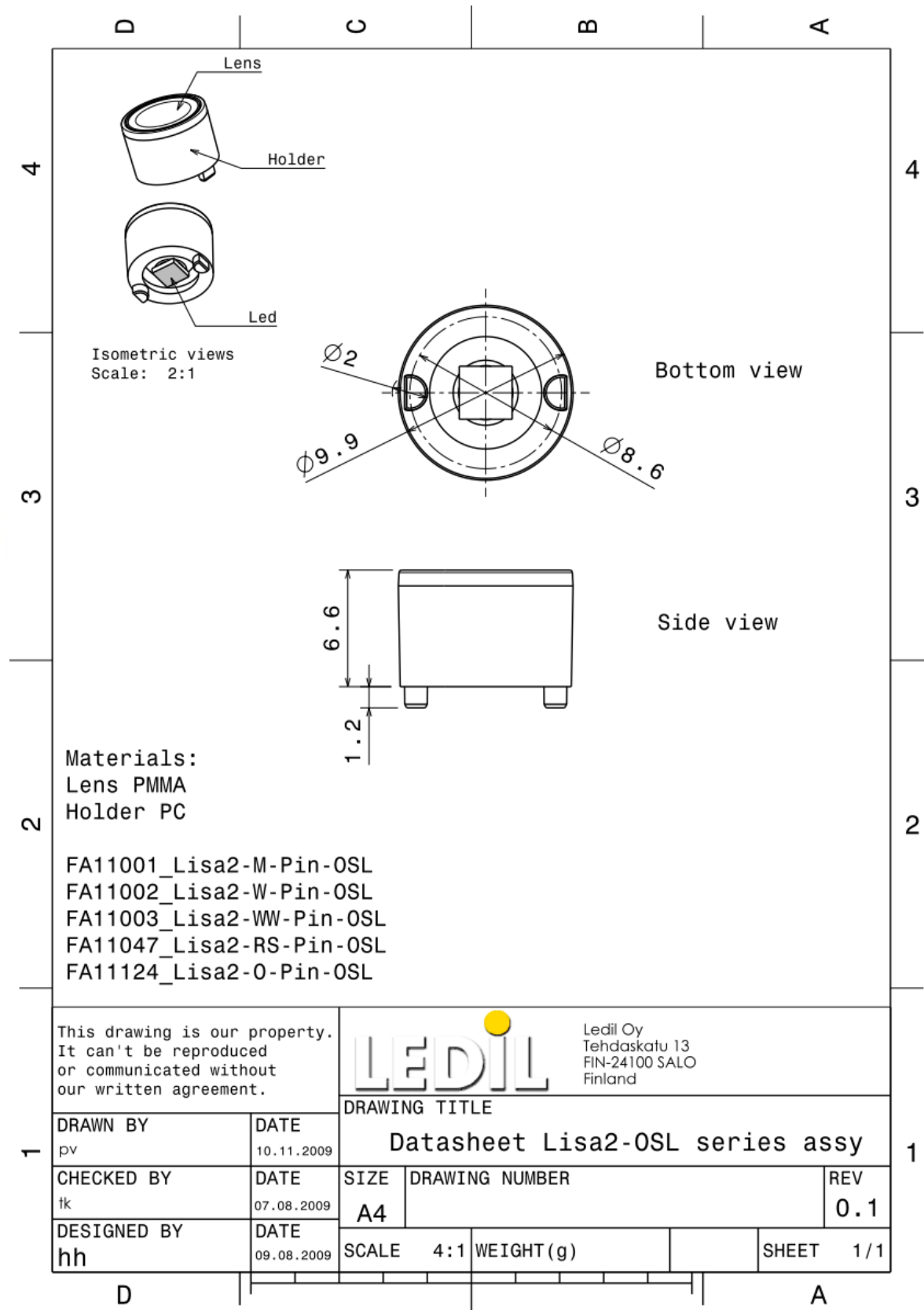


Relative Intensity of FA11002\_Lisa2-W-Pin-OSL



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## DRAWINGS



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