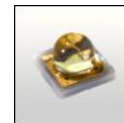


LISA2-PIN-OSL MINIATURE LENSES FOR OSRAM OSLON SSL/SX LEDS



- 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)
- Very small and compact dimensions: Diameter 9.9 mm, height 6.8 mm

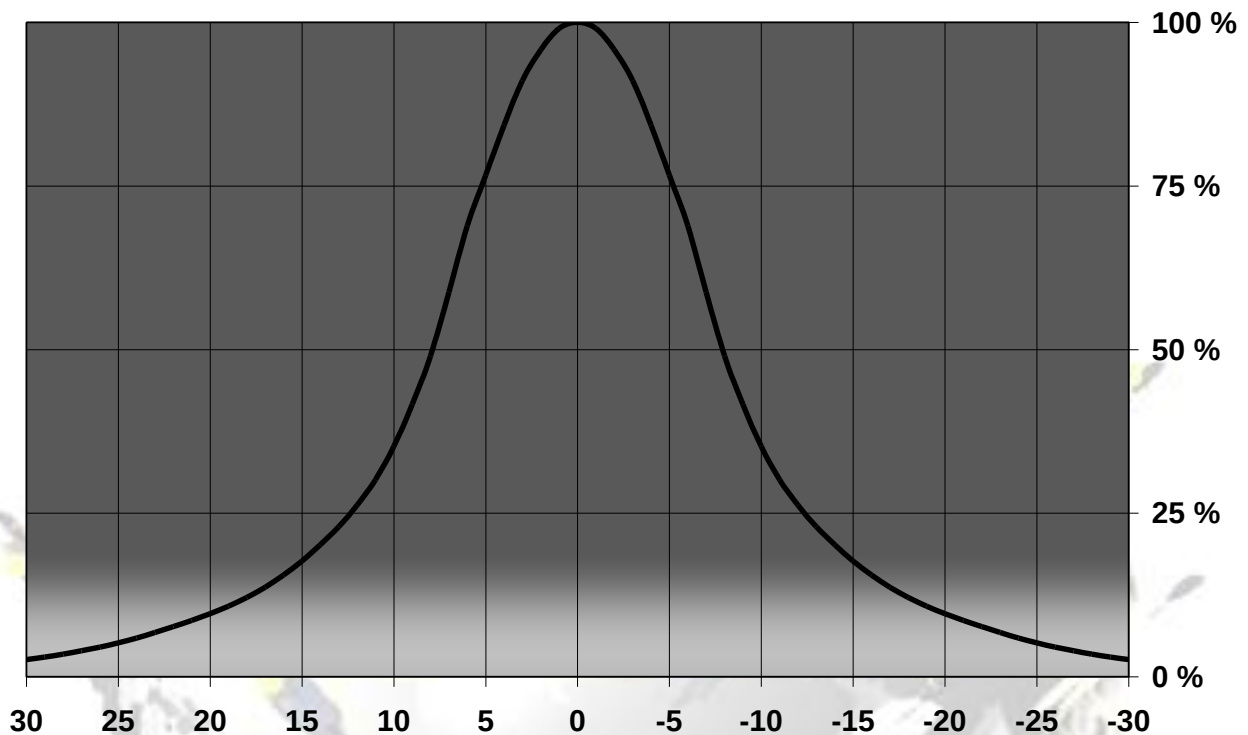
LENS TYPES

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

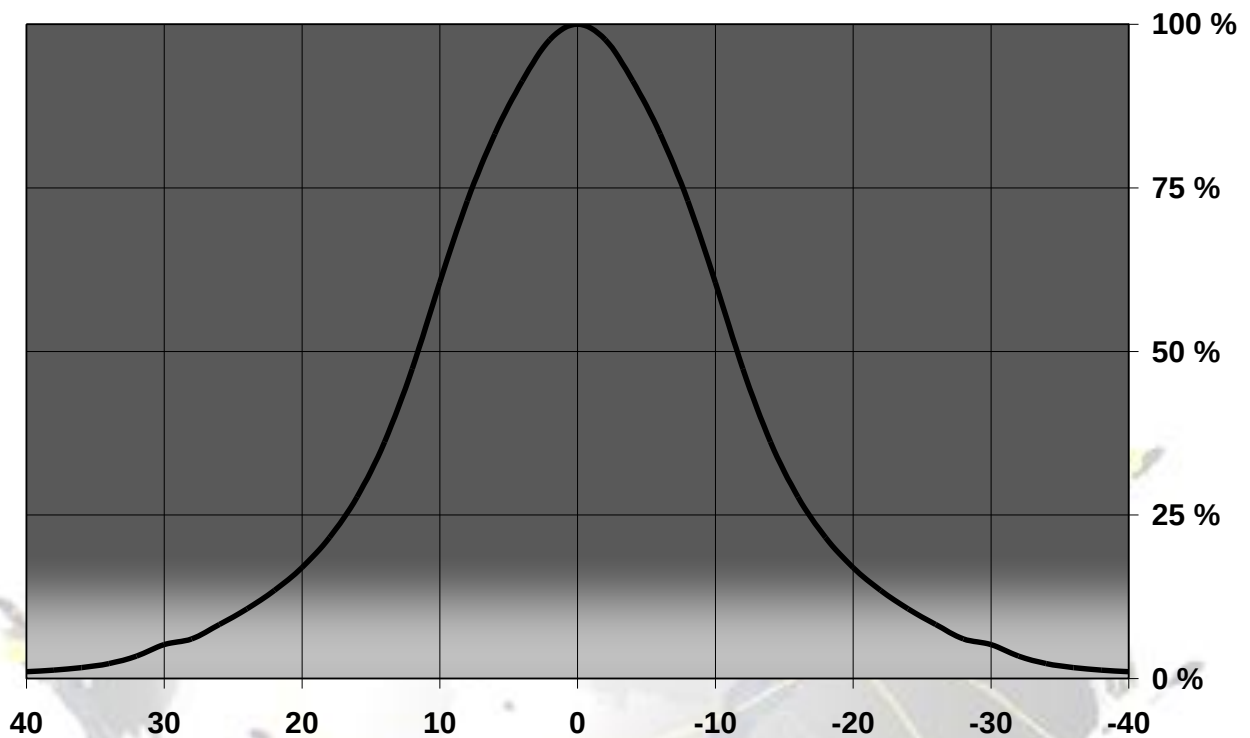
MEASUREMENT DATA

Relative Intensity of FA11047_Lisa2-RS-Pin-OSL



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Relative Intensity of FA11001_Lisa2-M-Pin-OSL



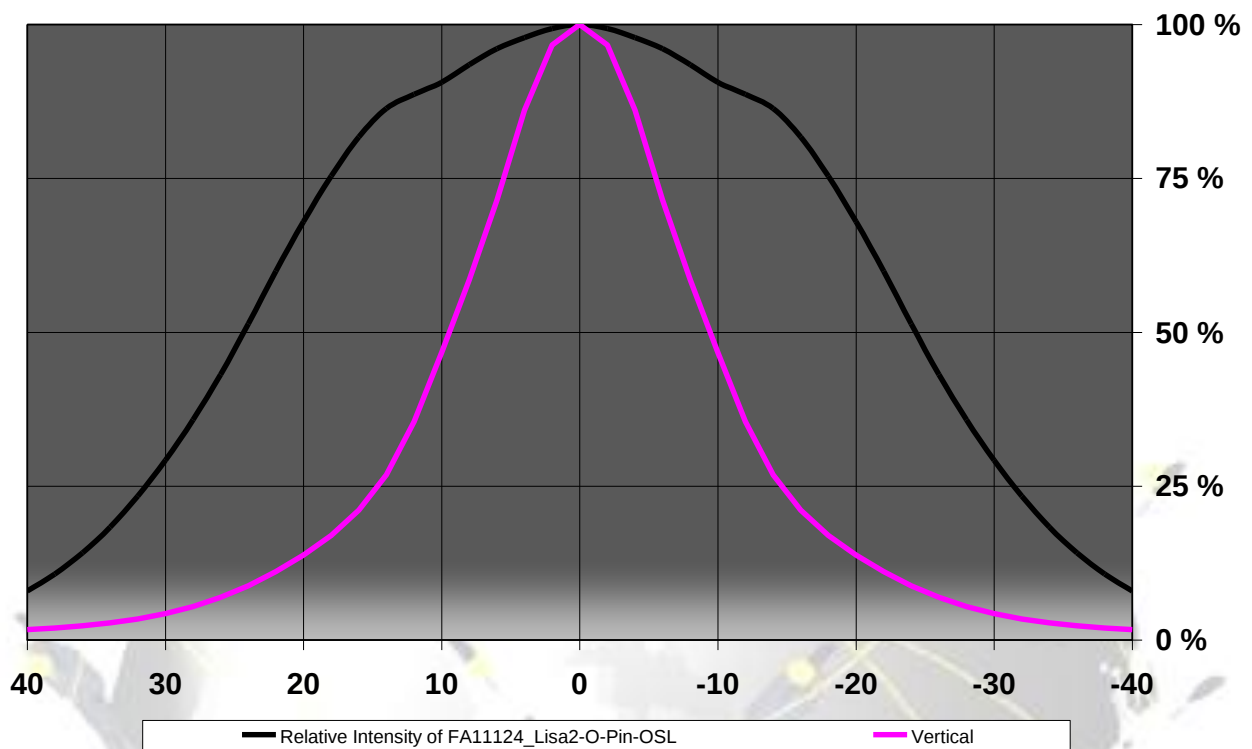
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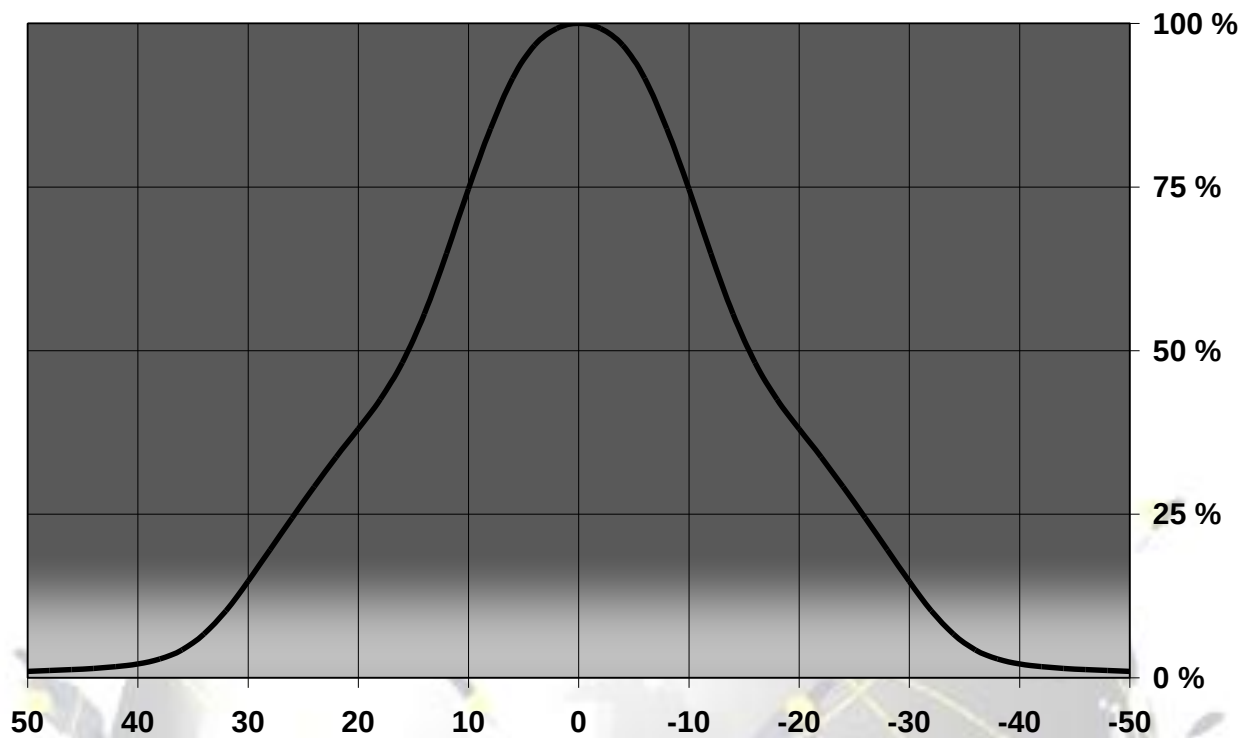
www.ledil.com
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FAX: +358-2-733 8001

2010-12-31

Relative Intensity of FA11124_Lisa2-O-Pin-OSL

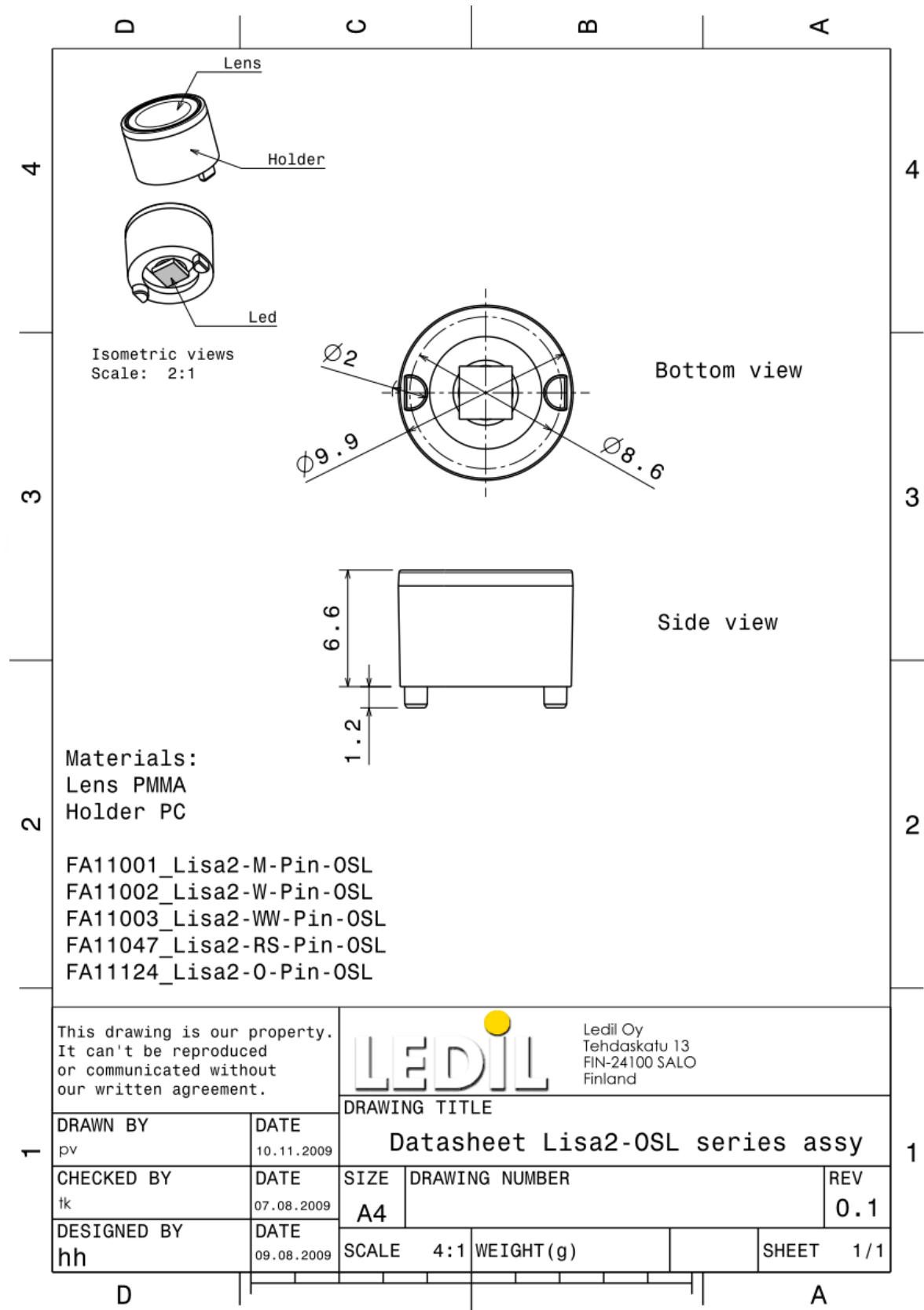


Relative Intensity of FA11002_Lisa2-W-Pin-OSL



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DRAWINGS



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