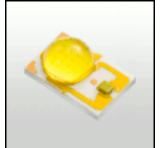


## LISA2-PIN-RE MINIATURE LENS FOR LUXEON REBEL /ES SERIES OF LEDS



- Lens material optical grade PMMA with high UV and temperature resistance (105°C/220°F). Lens holder molded of high quality black PC (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

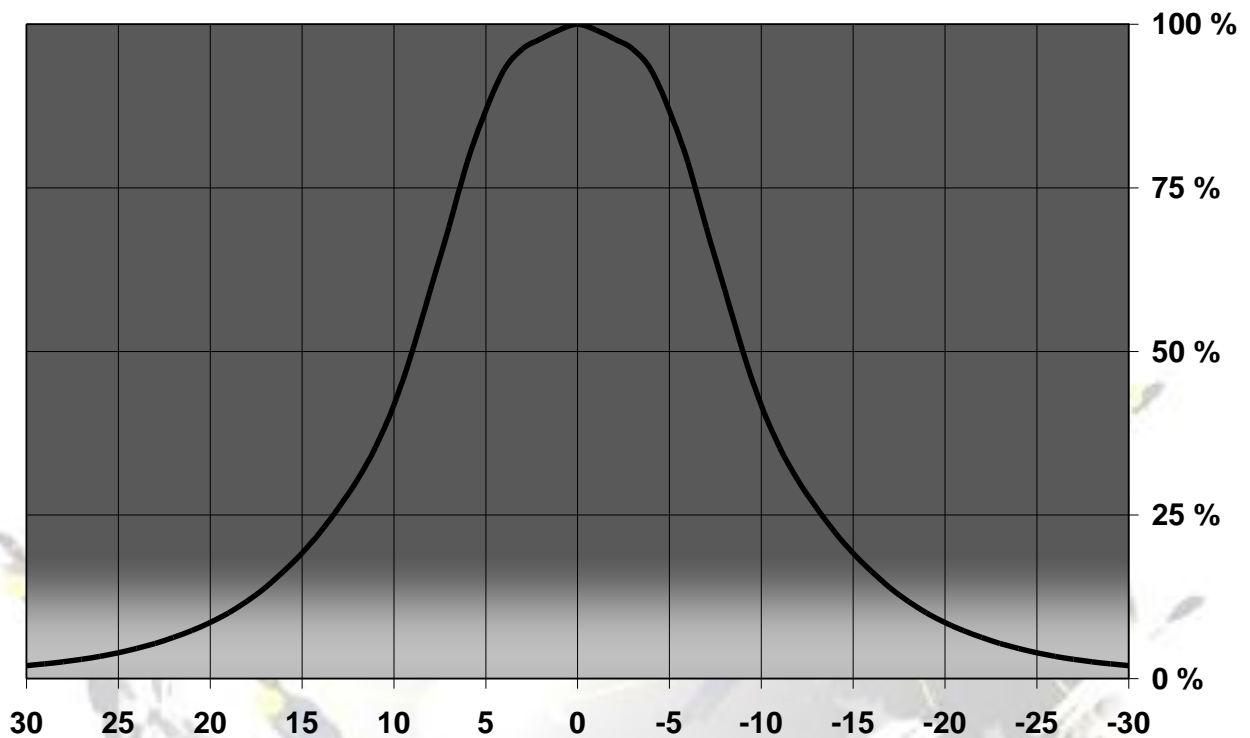
NAME	ORDERING CODE	FWHM Angle
Lisa2-Pin Real Spot	FA11056_Lisa2-RS-Pin-RE	±9°
Lisa2-Pin Medium	FA10992_Lisa2-M-Pin-RE	±13°
Lisa2-Pin Oval	FA11126_Lisa2-O-Pin-RE	±10° x ±24°
Lisa2-Pin Oval 90°	FA11853_Lisa2-O-90-Pin-RE	±10° x ±24°
Lisa2-Pin Wide	FA10993_Lisa2-W-Pin-RE	±19°
Lisa2-Pin WW	FA10994_Lisa2-WW-Pin-RE	~±30°
Lisa2-Pin WWW	FA11951_Lisa2-WWW-Pin-RE	~±40°

NAME	ORDERING CODE	FWHM Angle
Lisa2-Pin Real Spot	FA11056_Lisa2-RS-Pin-RE-ES	to be measured shortly
Lisa2-Pin Medium	FA10992_Lisa2-M-Pin-RE-ES	to be measured shortly
Lisa2-Pin Oval	FA11126_Lisa2-O-Pin-RE-ES	to be measured shortly
Lisa2-Pin Oval 90°	FA11853_Lisa2-O-90-Pin-RE-ES	to be measured shortly
Lisa2-Pin Wide	FA10993_Lisa2-W-Pin-RE-ES	to be measured shortly

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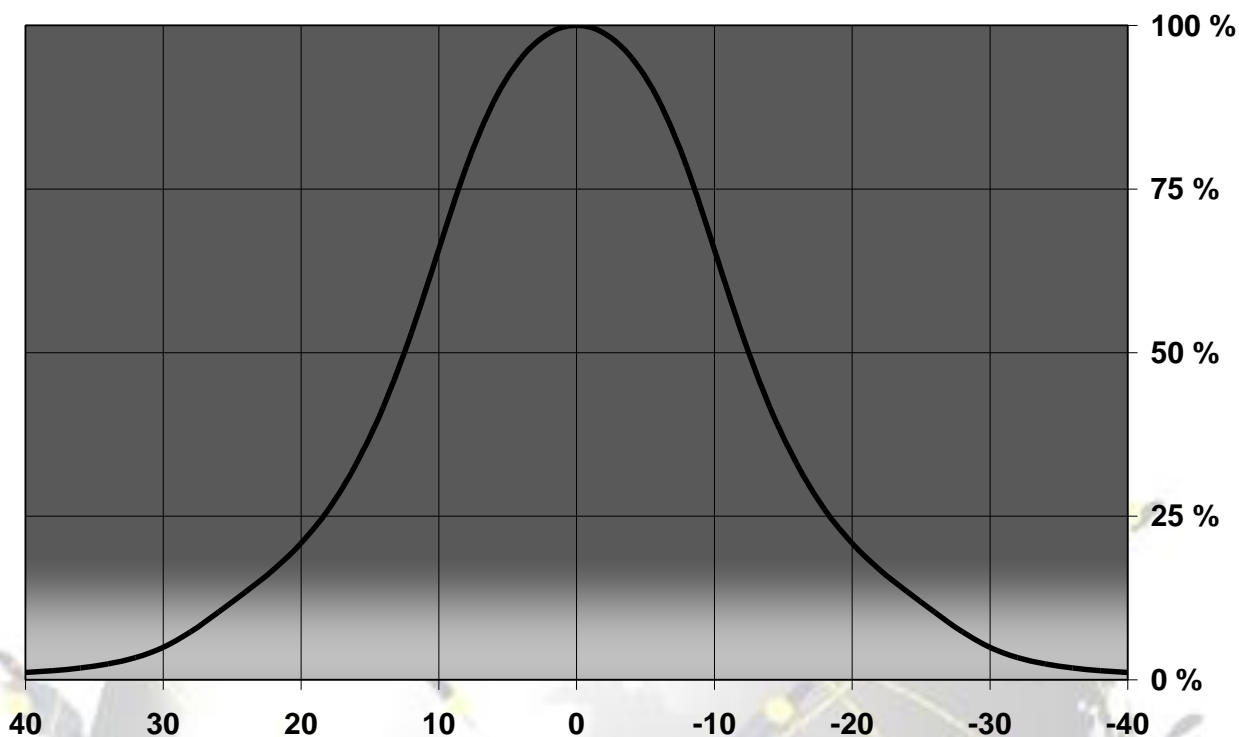
**MEASUREMENT DATA**

Relative Intensity of FA11056\_Lisa2-RS-Pin-RE



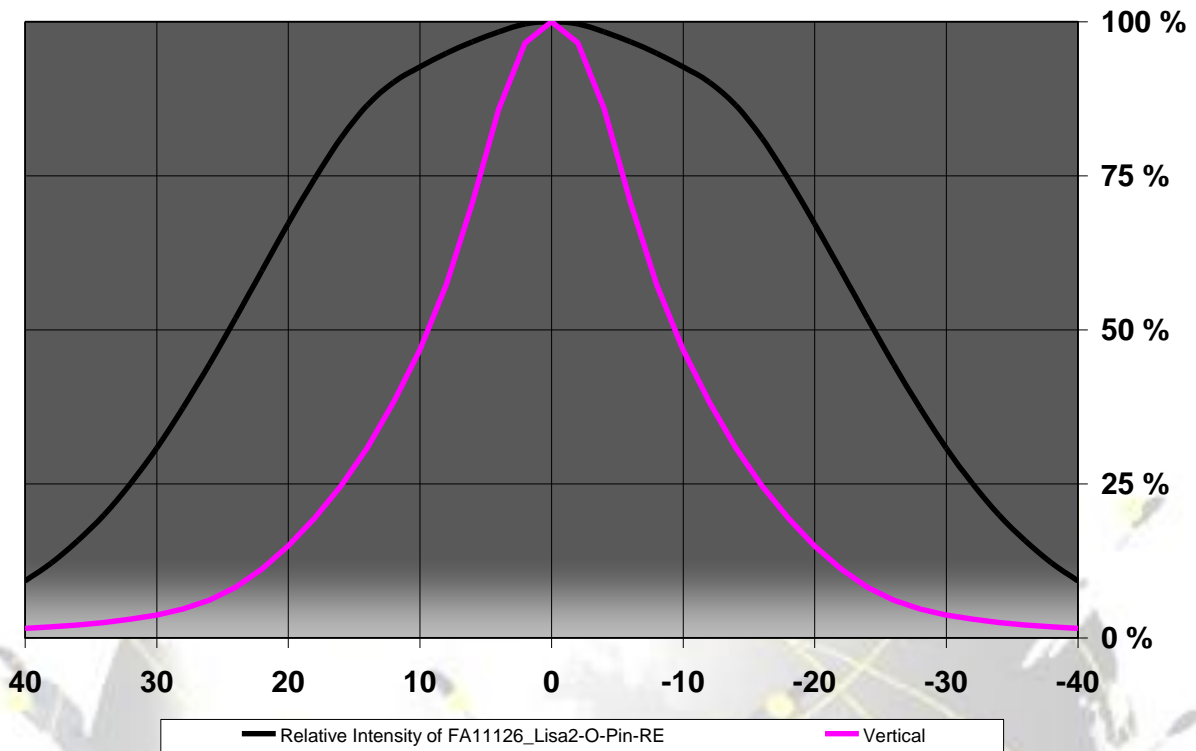
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Relative Intensity of FA10992\_Lisa2-M-Pin-RE



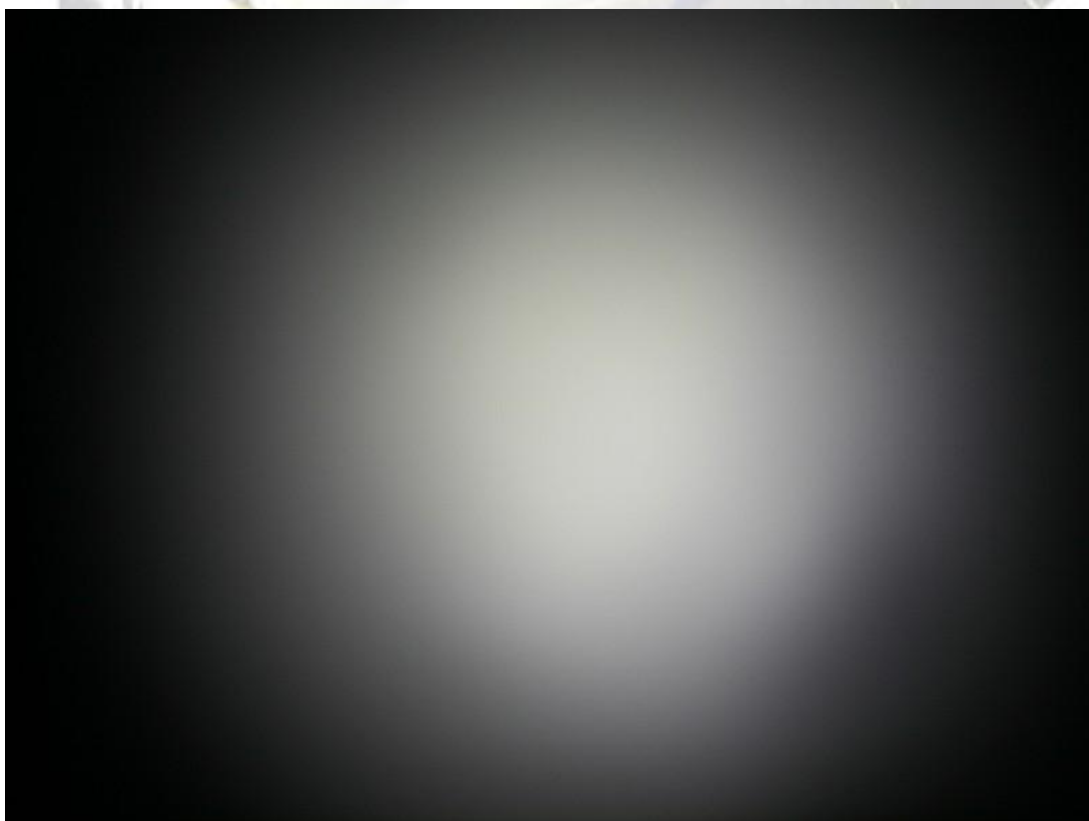
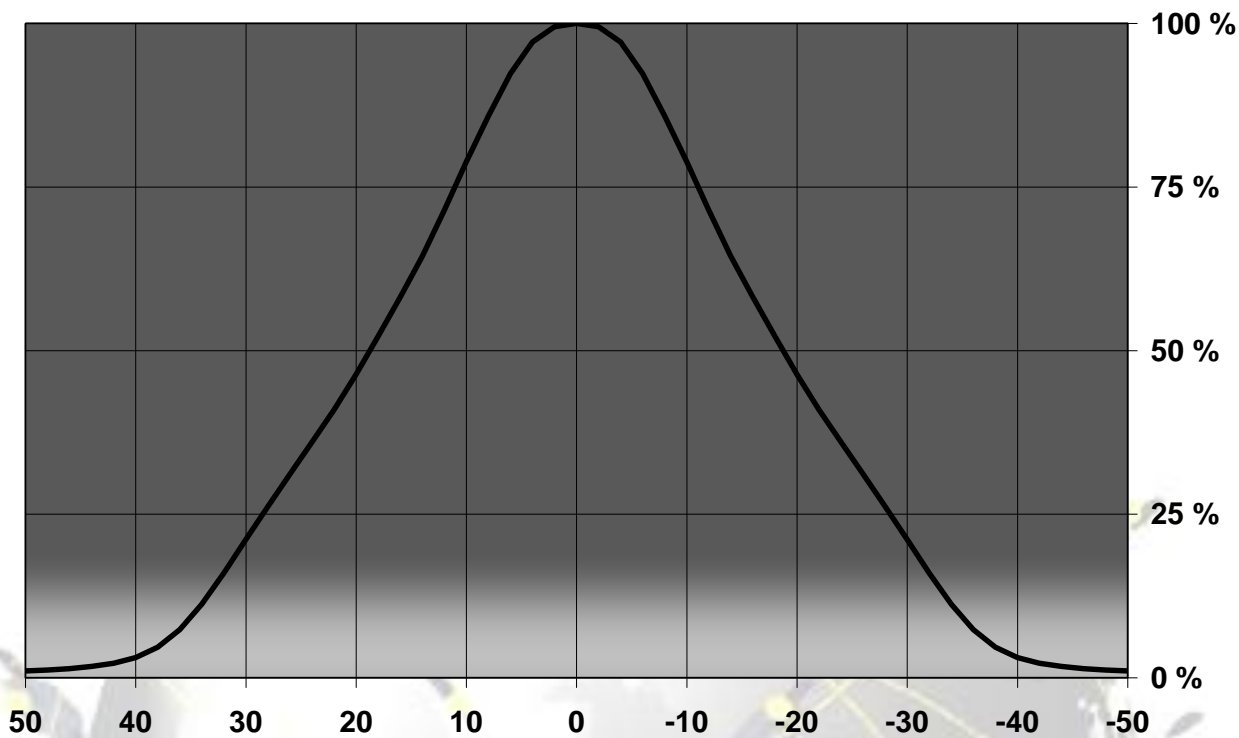
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Relative intensity of FA11126\_Lisa2-O-Pin-RE



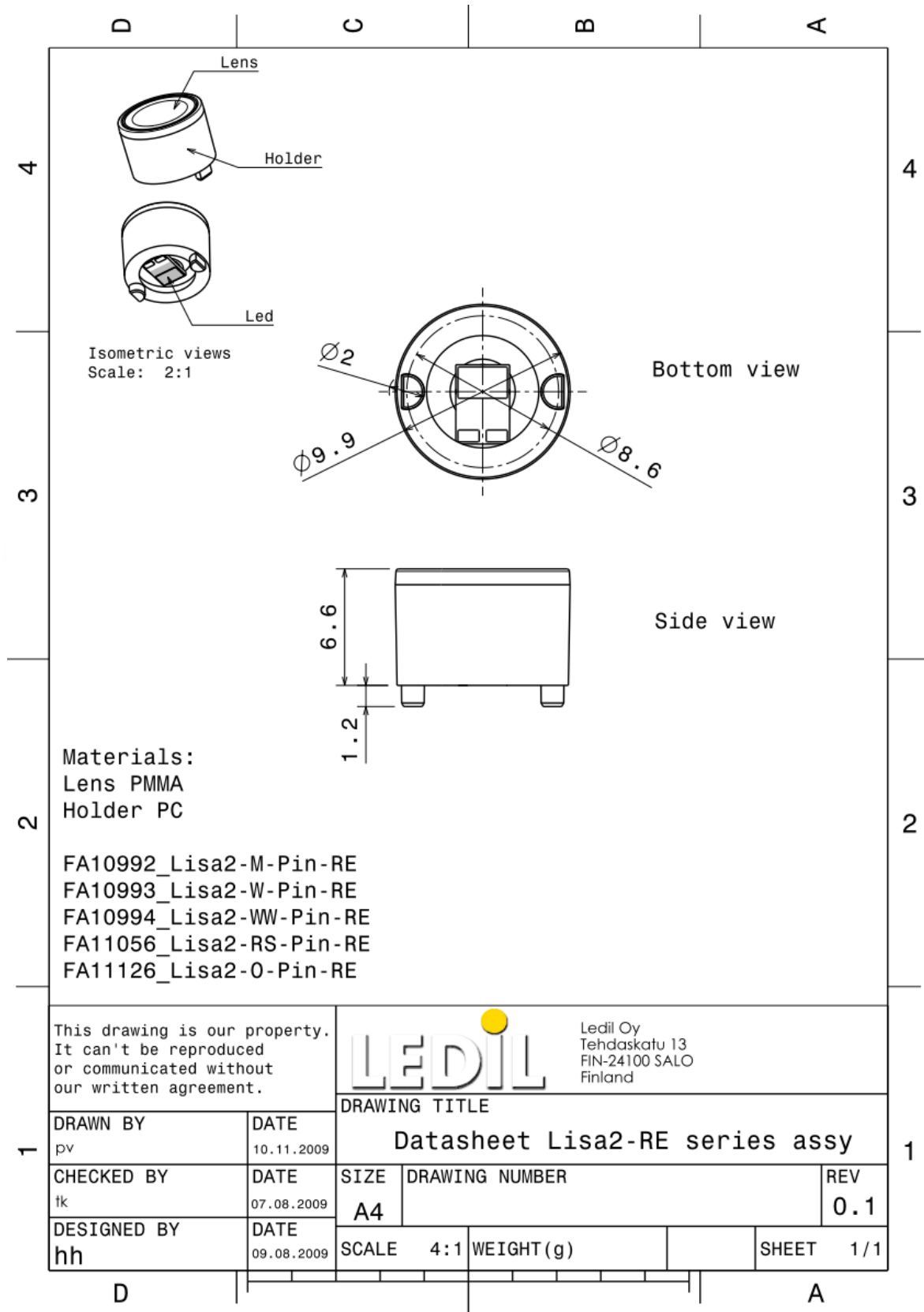
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Relative Intensity of FA10993\_Lisa2-W-Pin-RE



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## DRAWINGS



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