

## LISA2-PIN-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 (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

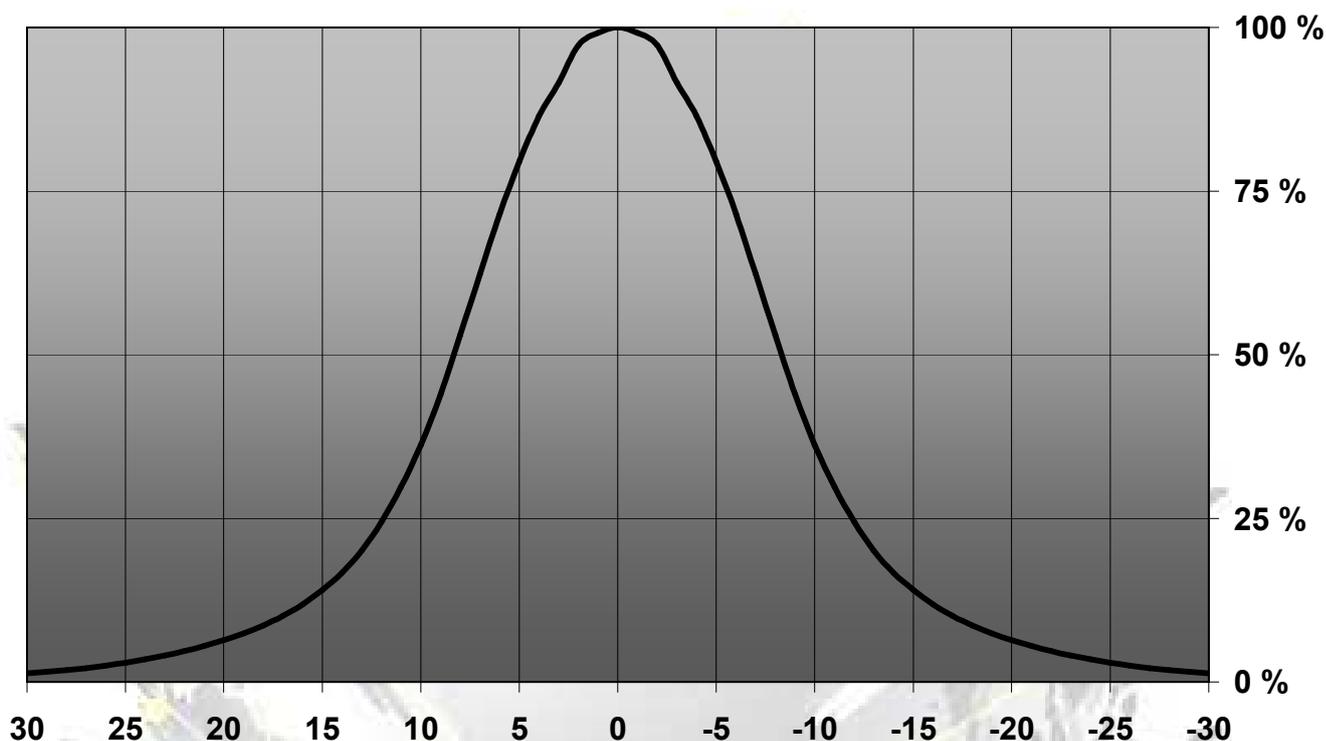
### LENS TYPES

NAME	ORDERING CODE	FWHM Angle
Lisa2-Pin Real Spot	FA11055_Lisa2-RS-Pin-XP	±8°
Lisa2-Pin Medium	FA10995_Lisa2-M-Pin-XP	±12°
Lisa2-Pin Oval	FA11125_Lisa2-O-Pin-XP	±9° x ±24°
Lisa2-Pin Wide	FA10996_Lisa2-W-Pin-XP	±20°
Lisa2-Pin WW	FA10997_Lisa2-WW-Pin-XP	±30°
Lisa-2-Pin-WWW	FA11429_Lisa2-WWW-Pin-XP	~±34°

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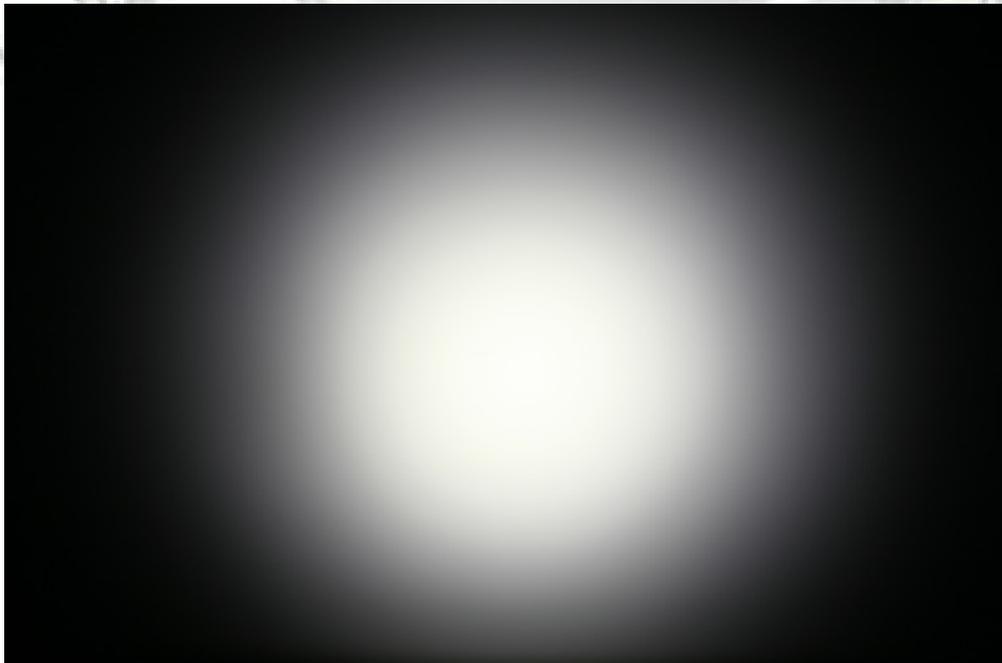
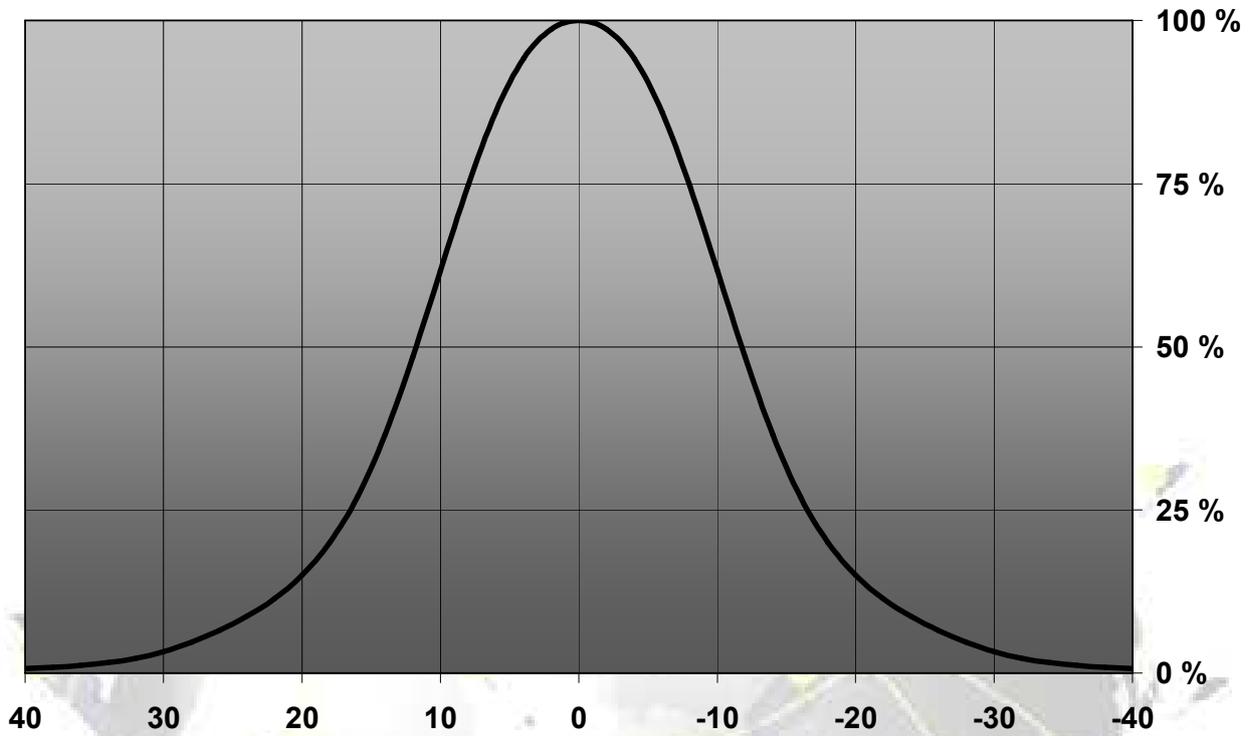
## MEASUREMENT DATA

Relative Intensity of FA11055\_Lisa2-RS-Pin-XP



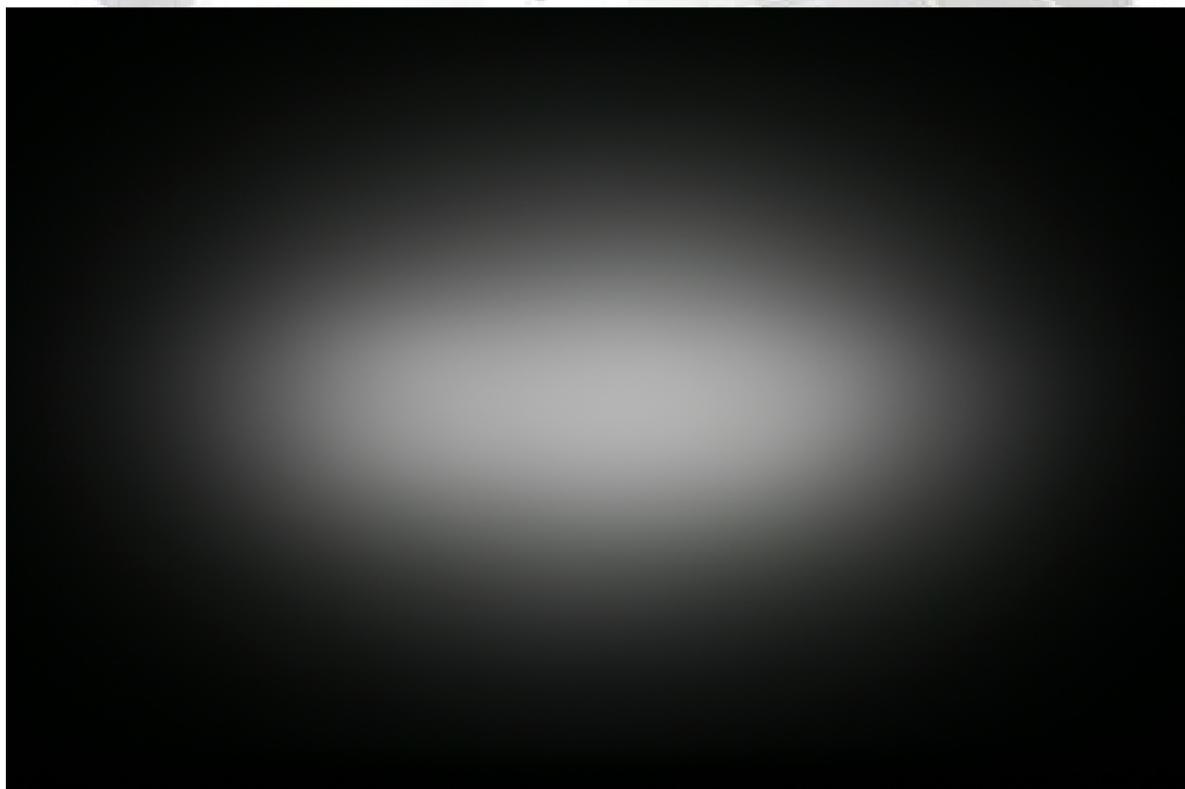
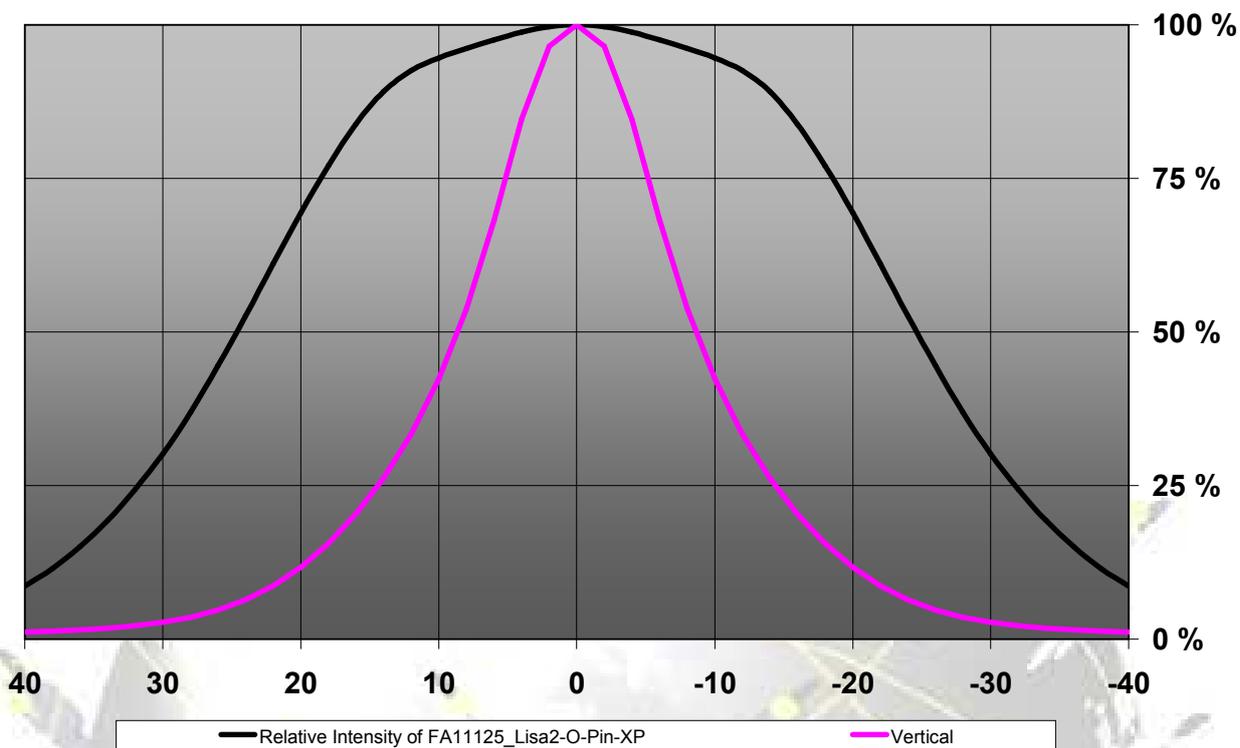
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Relative Intensity of FA10995\_Lisa2-M-Pin-XP



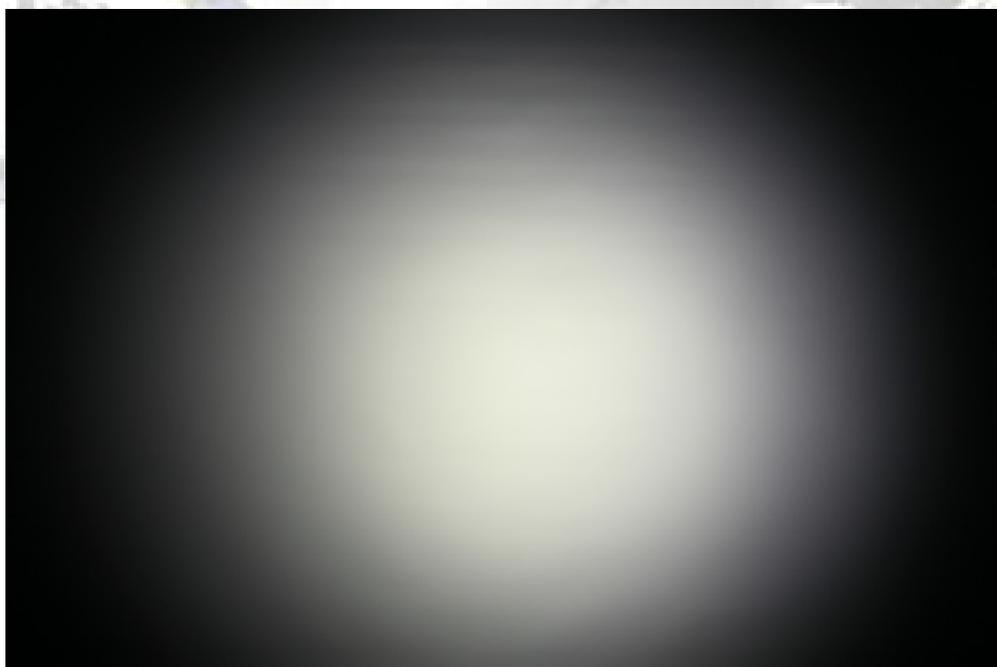
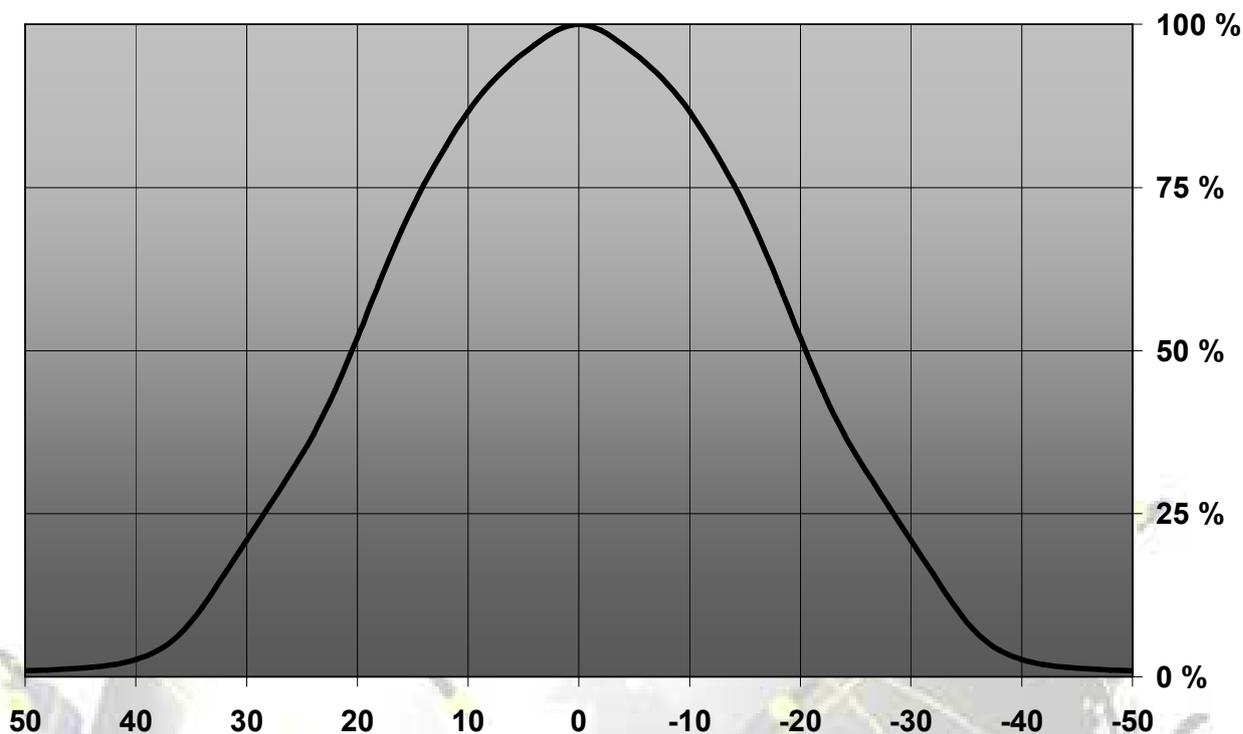
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Relative intensity of FA11125\_Lisa2-O-Pin-XP



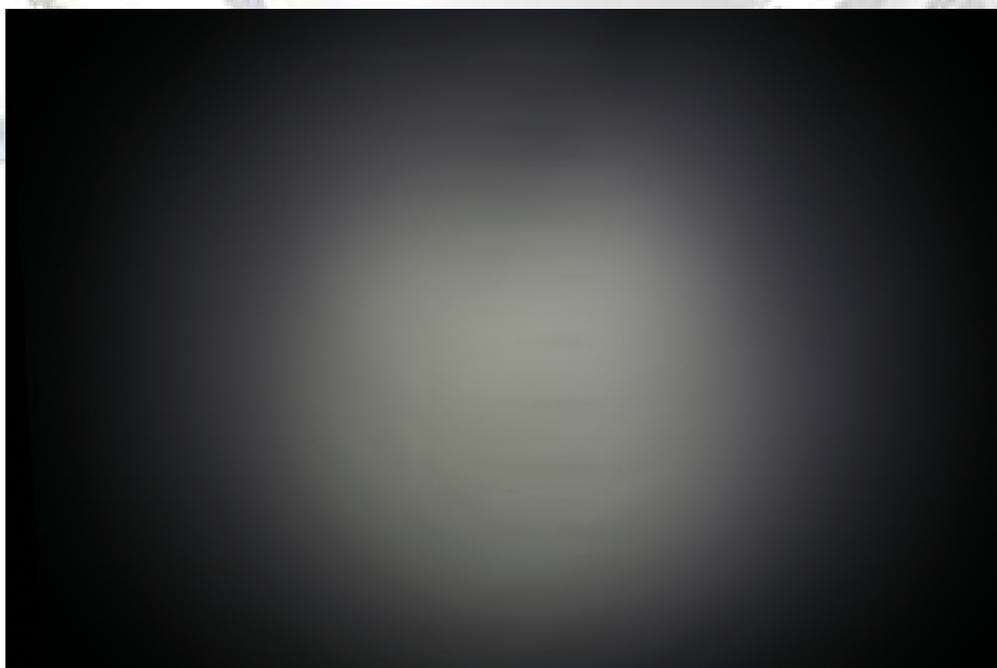
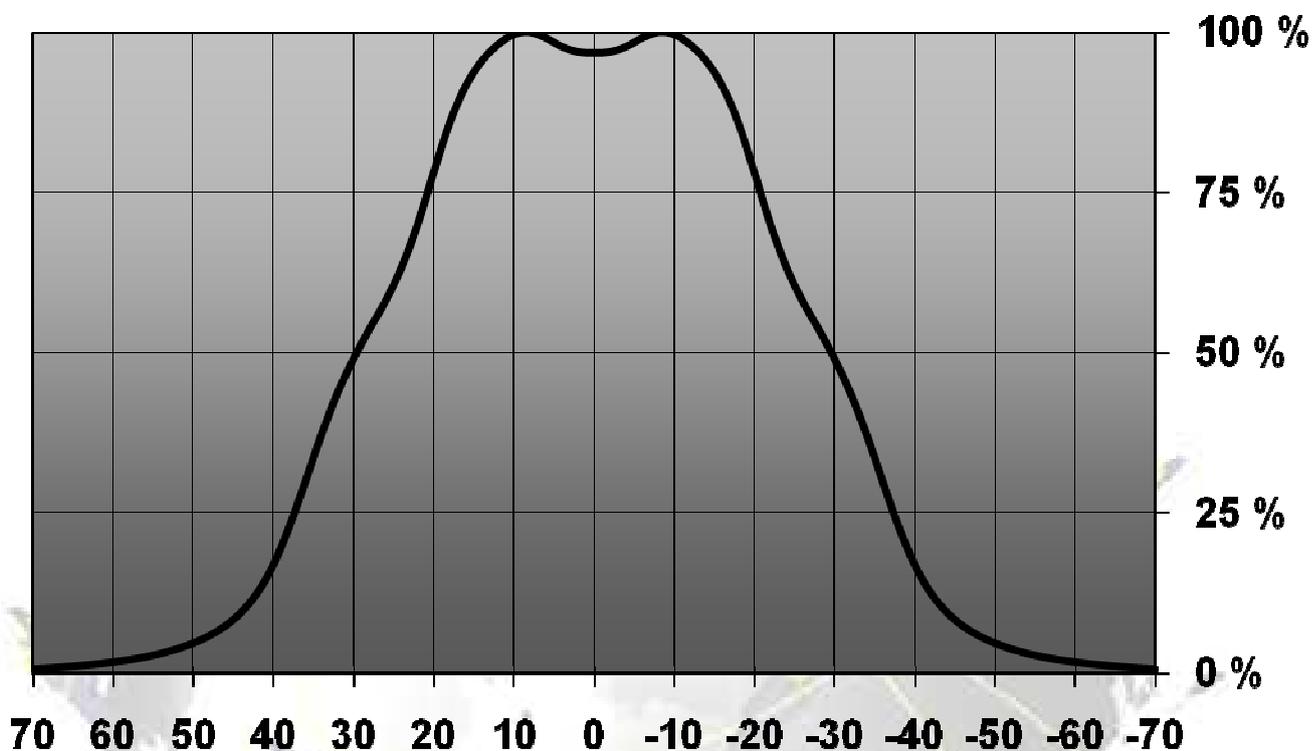
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Relative Intensity of FA10996\_Lisa2-W-Pin-XP



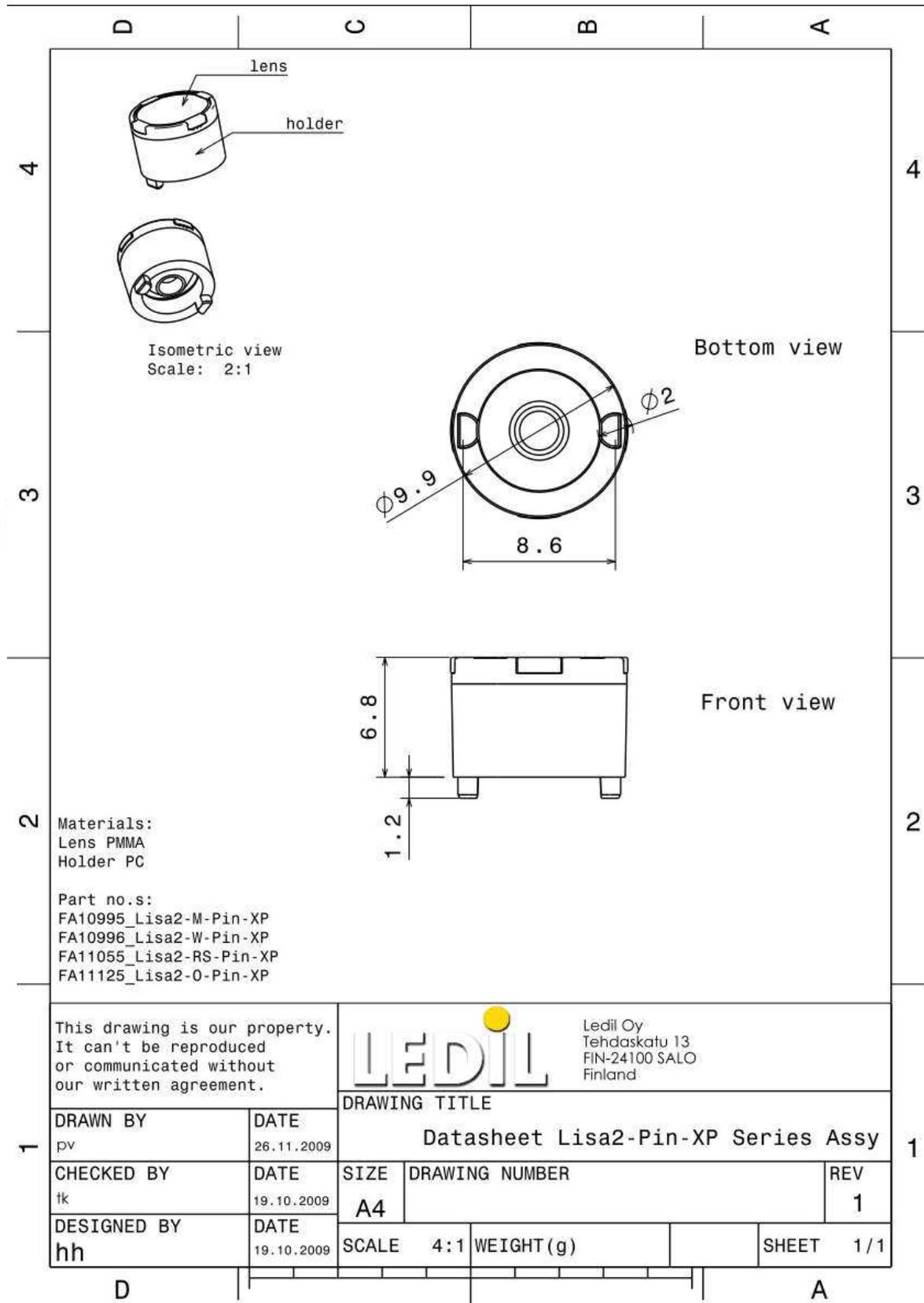
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## Relative intensity of FA10997\_Lisa2-WW-Pin-XP



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## DRAWINGS



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