

## Lisa2-Pin-RE miniature lens for Luxeon Rebel 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.
- High optical efficiency, up to 90%.
- Integrated holder with small position pins, see drawing below for more details. Fastening of holden to PCB with appropriate adhesive, e.c. epoxy or polyurethane based. NOTE: DO NOT USE SUPERGLUE.
- Very small and compact dimensions: Diameter 9.9 mm, height 6.8 mm

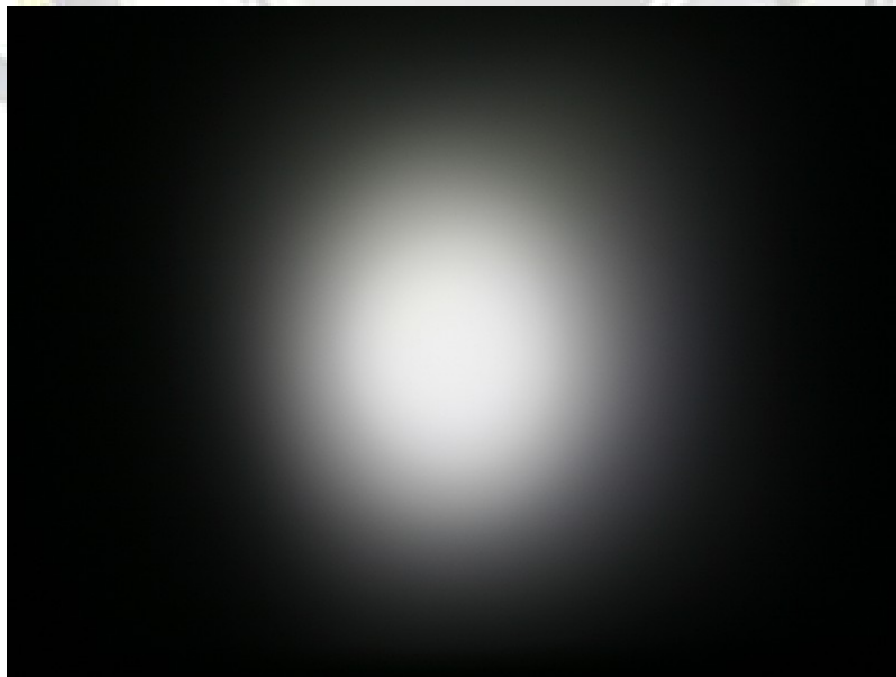
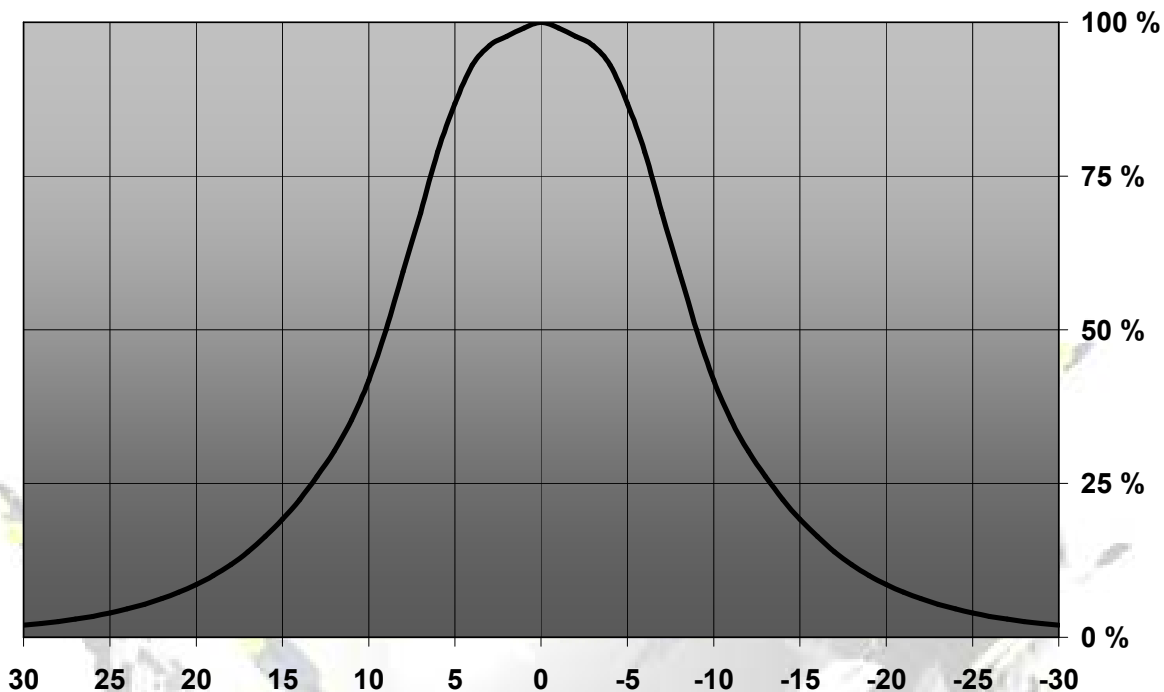
## LENS TYPES

NAME	ORDERING CODE	FWHM Angle
Lisa2-Clip16 Real Spot	FA11086_Lisa2-RS-clip16-RE	±9°
Lisa2-Clip16 Medium	FA11072_Lisa2-M-clip16-RE	±13°
Lisa2-Clip16 Oval	FA11122_Lisa2-O-clip16-RE	~±5° x ~16°
Lisa2-Clip16 Wide	FA11073_Lisa2-W-clip16-RE	±19°

~ results are based on simulation value.

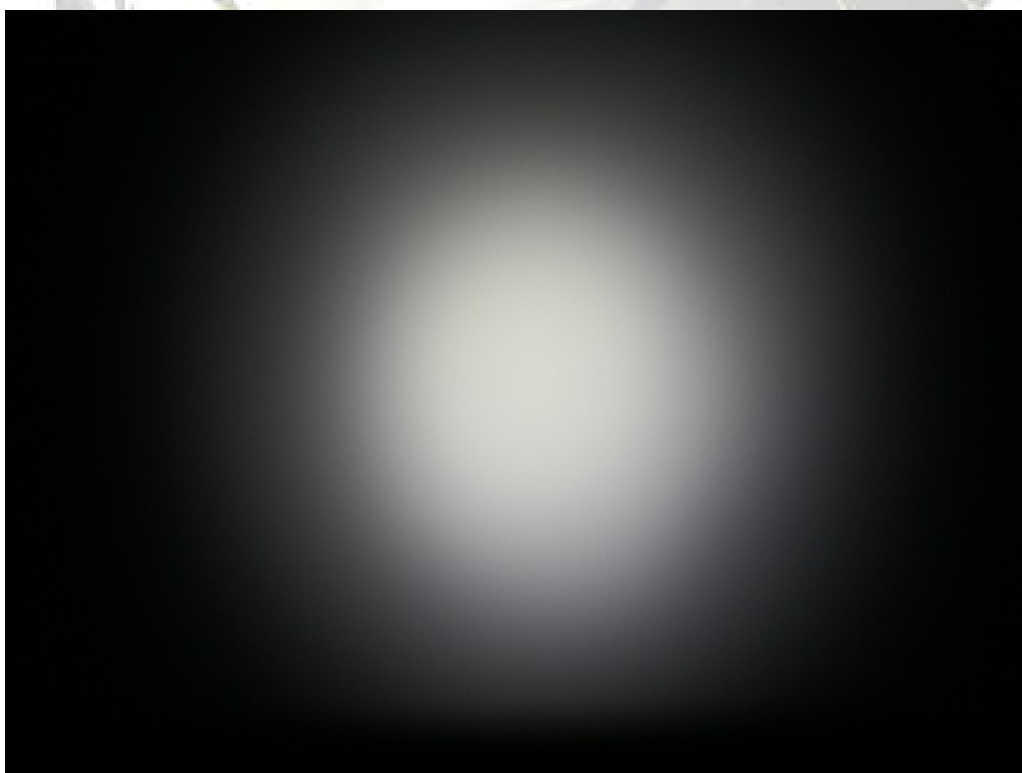
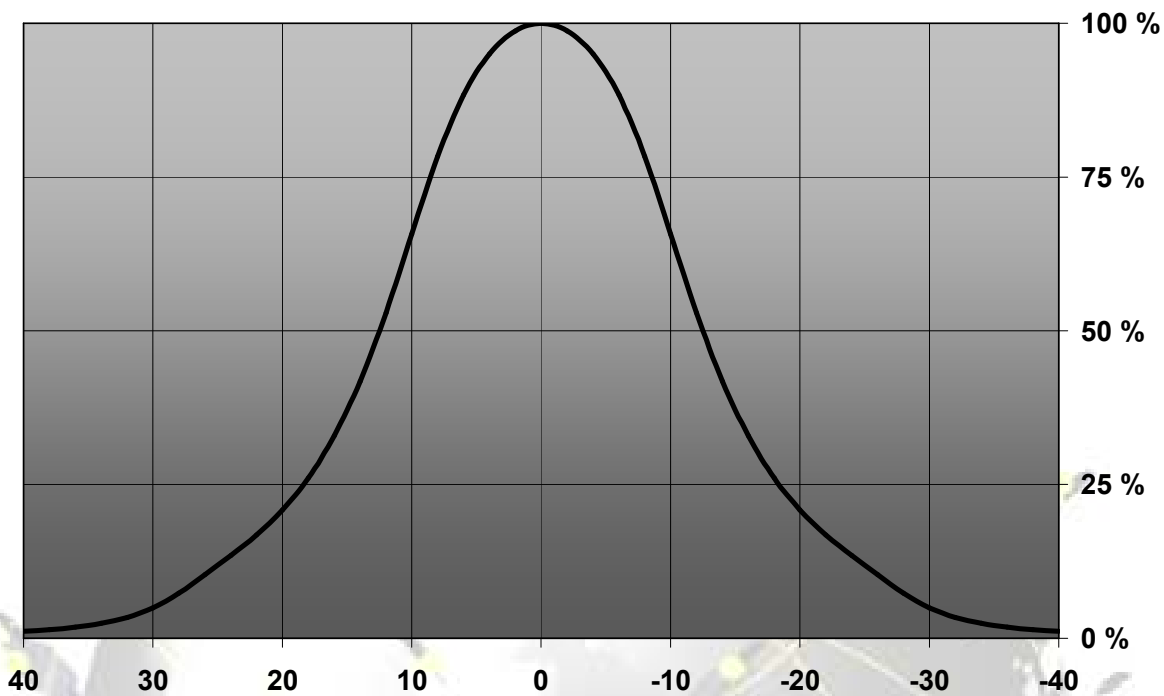
## MEASUREMENT DATA

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



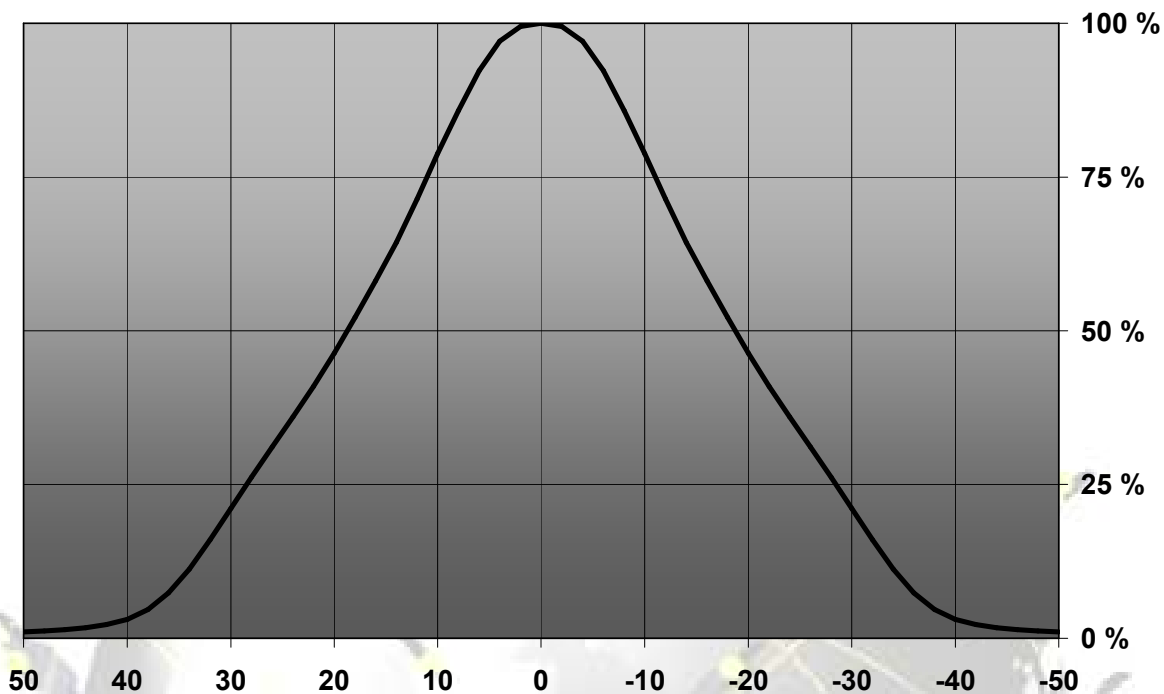
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Relative Intensity of FA10992\_Lisa2-M-Pin-RE



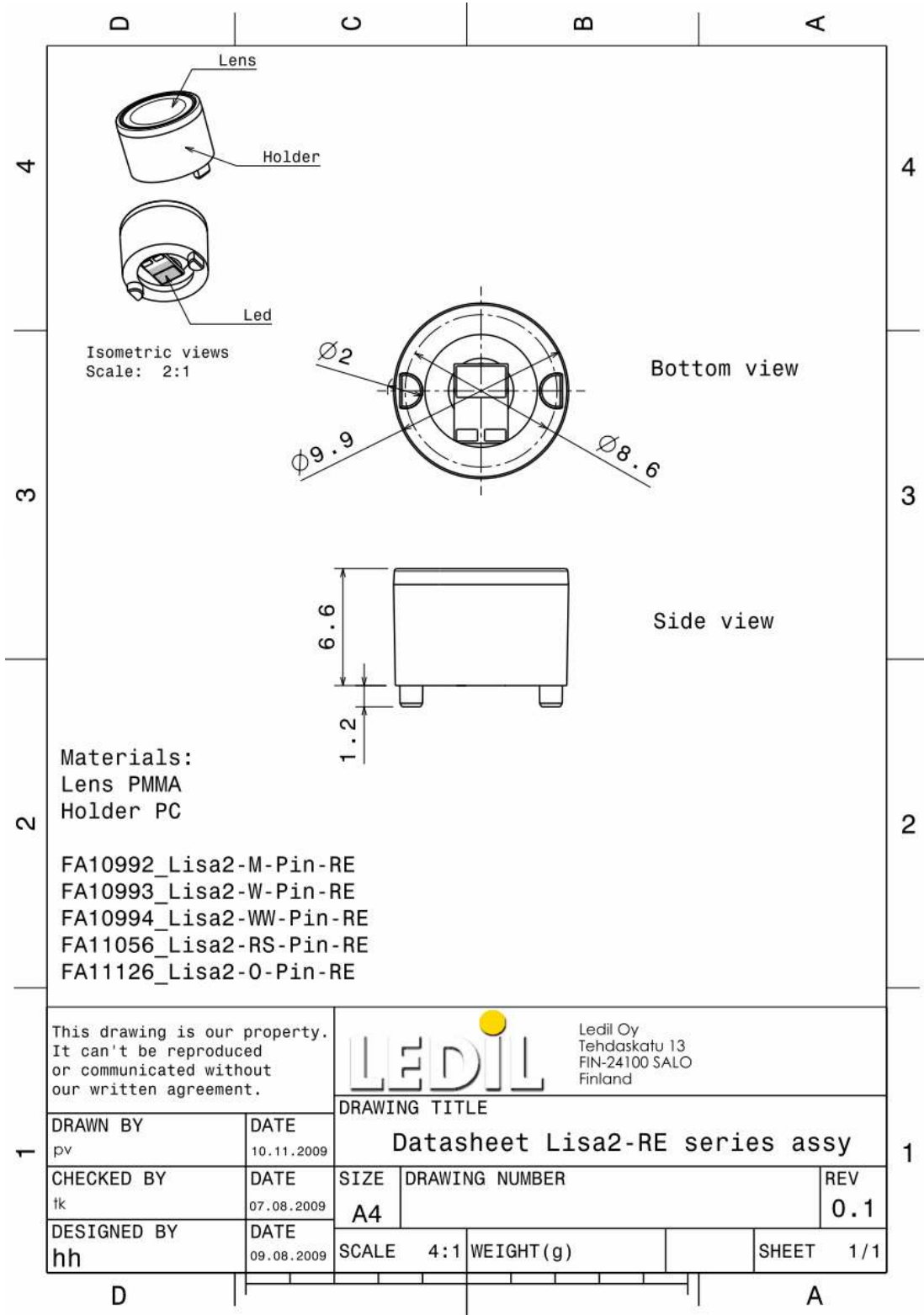
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Relative Intensity of FA10993\_Lisa2-W-Pin-RE



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## DRAWINGS



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