

## Lisa2-Pin-DD miniature lens for Sharp GM2BB... (Double Dome) series of LEDs



**SHARP.**



- 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

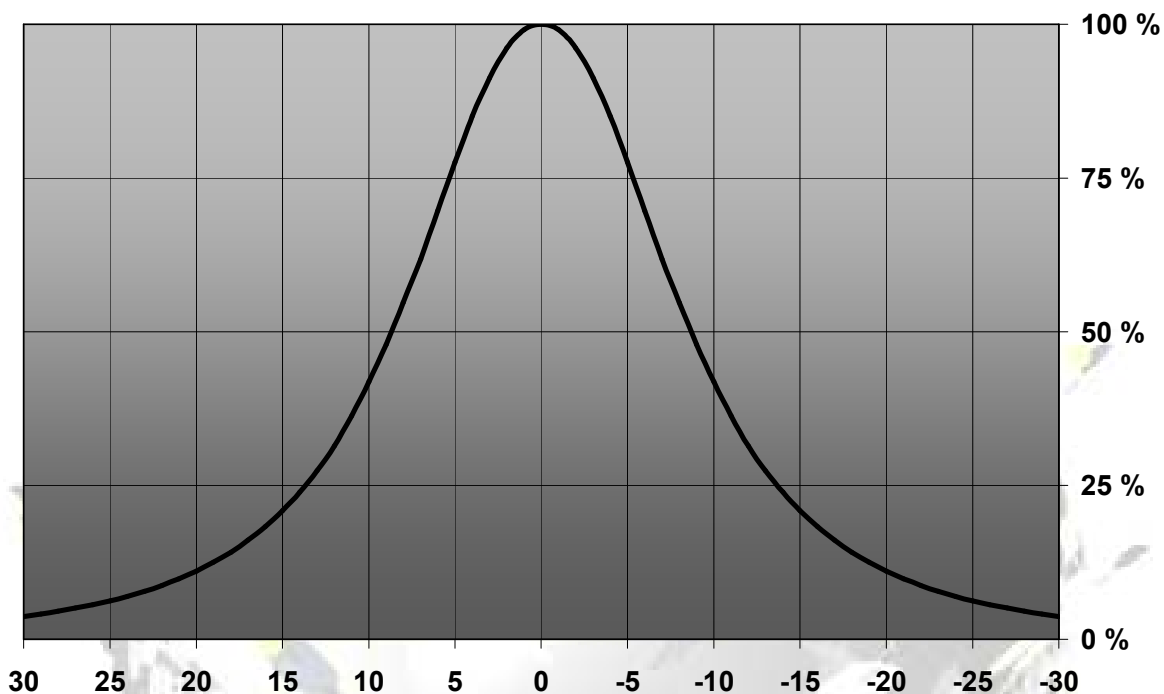
## LENS TYPES

| NAME                | ORDERING CODE           | FWHM Angle  |
|---------------------|-------------------------|-------------|
| Lisa2-Pin Real Spot | FA11055_Lisa2-RS-Pin-DD | ±9°         |
| Lisa2-Pin Medium    | FA10995_Lisa2-M-Pin-DD  | ±14°        |
| Lisa2-Pin Oval      | FA11125_Lisa2-O-Pin-DD  | ~±5° x ~16° |
| Lisa2-Pin Wide      | FA10996_Lisa2-W-Pin-DD  | ±22°        |

~ results are based on simulation value.

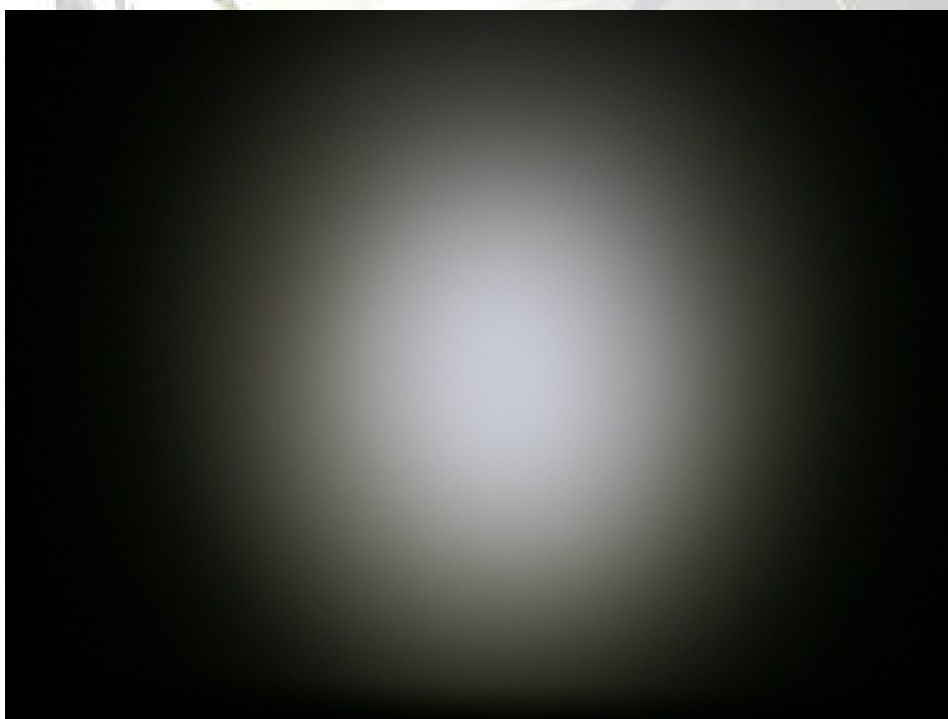
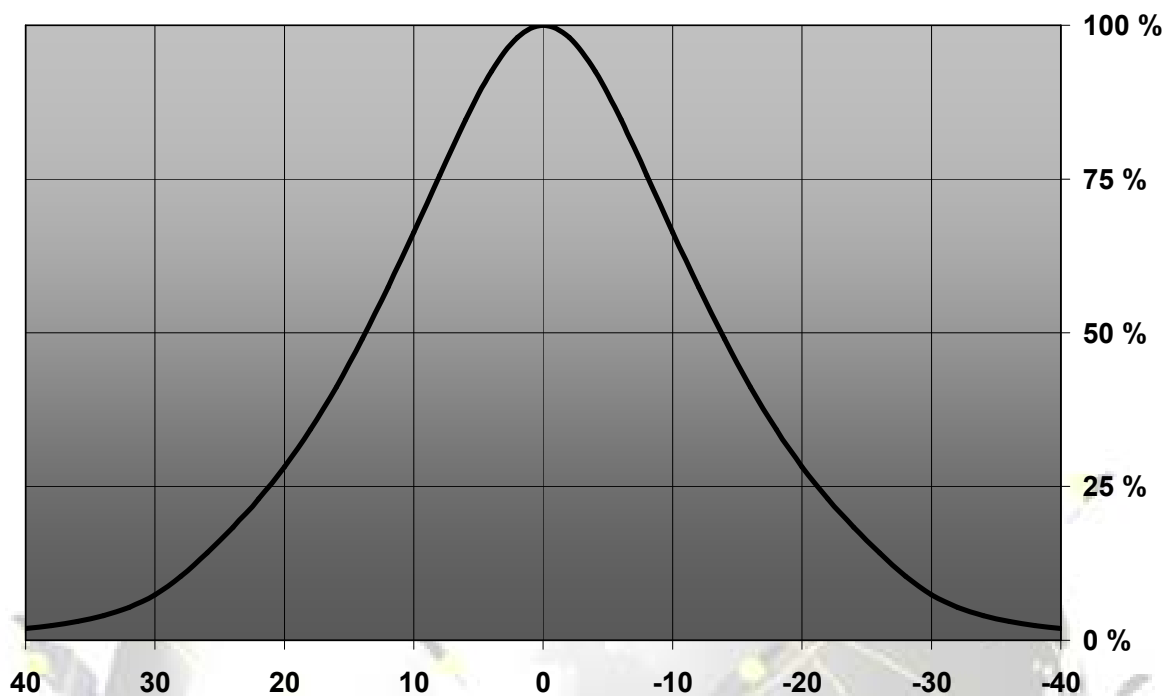
## MEASUREMENT DATA

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



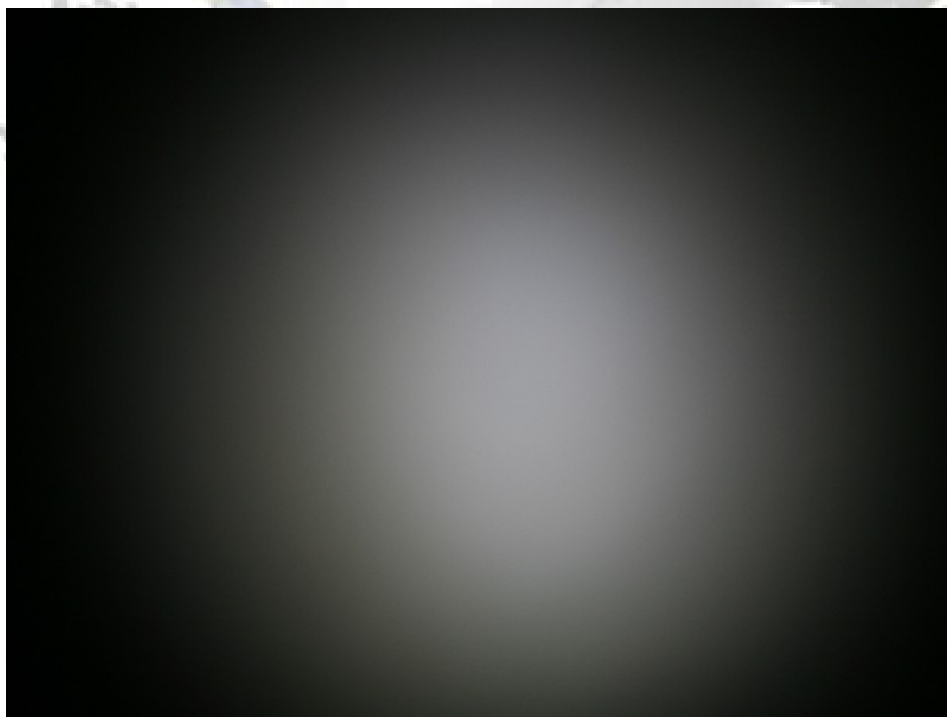
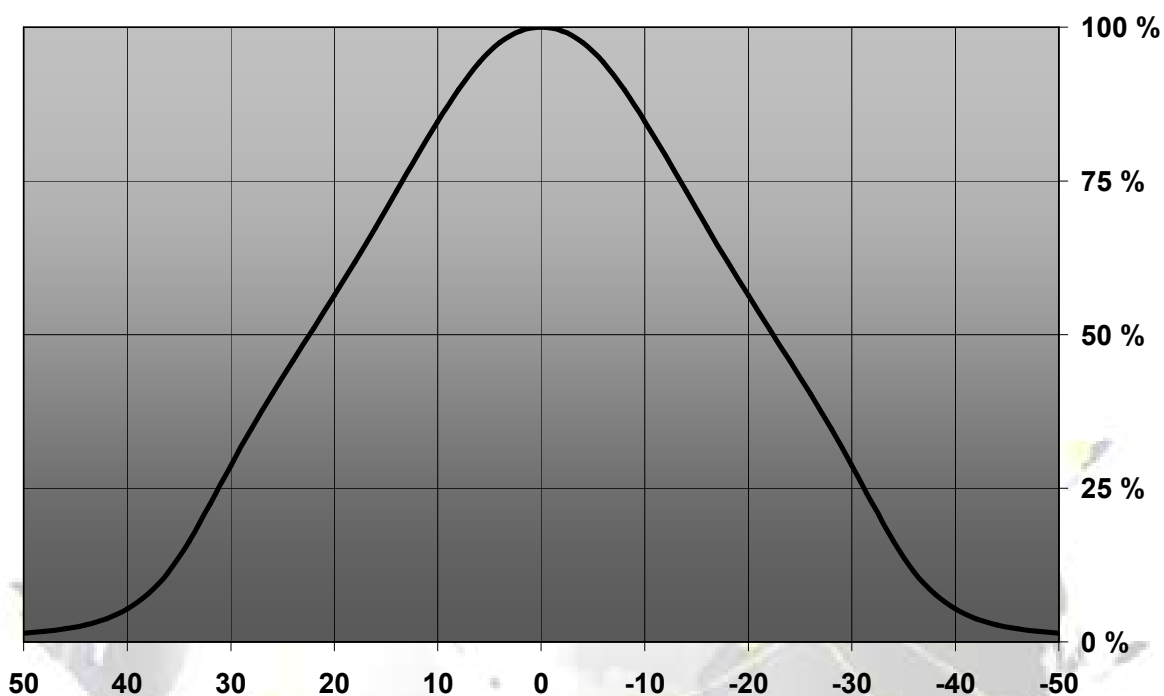
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Relative Intensity of FA10995\_Lisa2-M-Pin-DD



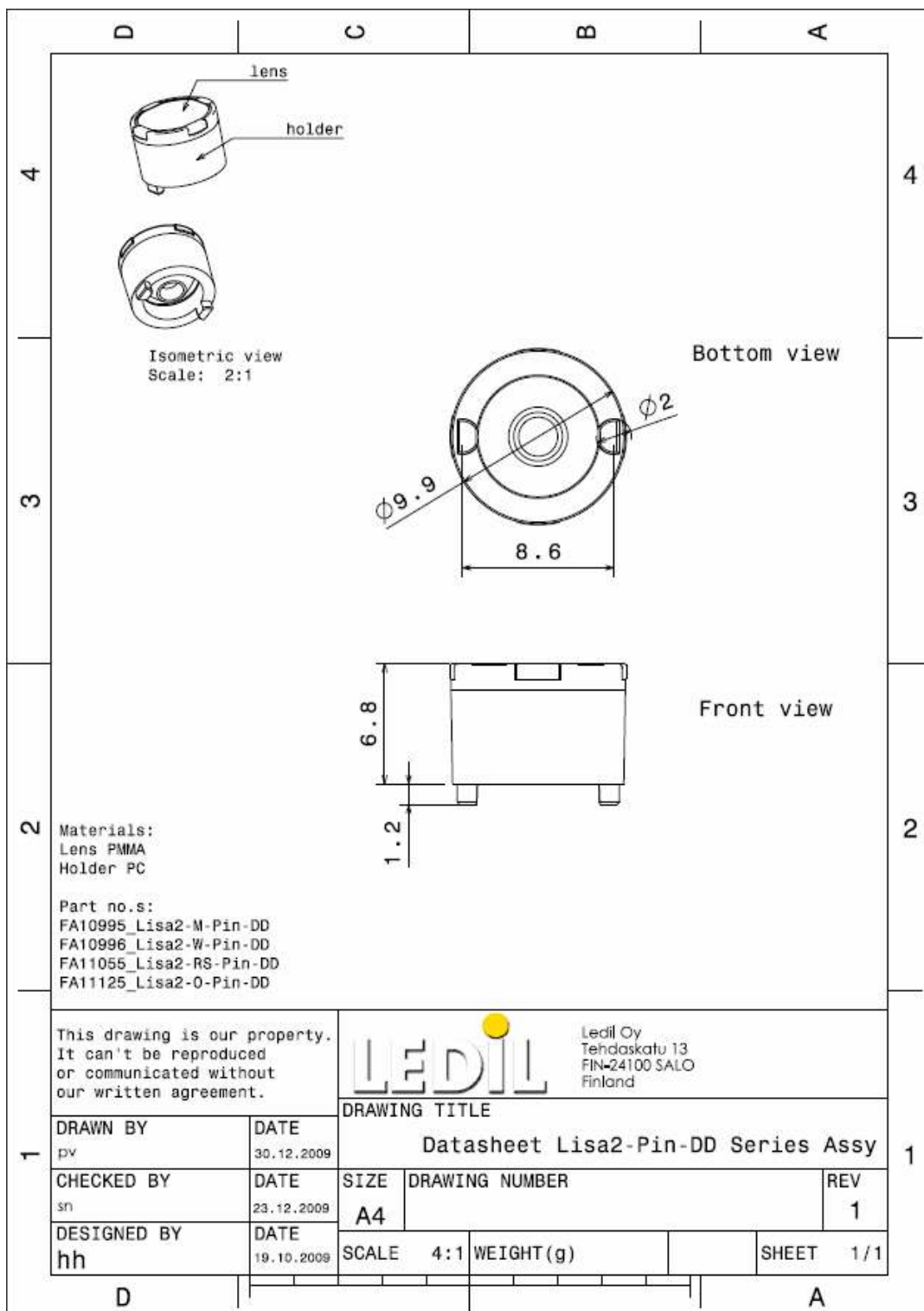
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Relative Intensity of FA10996\_Lisa2-W-Pin-DD



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## DRAWINGS



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