

## LZ1 LENSES FOR SEOUL SEMICONDUCTOR P4 LEDs



- Specially designed for Seoul Semiconductor P4 series of LEDs.
- Special care taken to make a uniform white or warm white illumination. Lenses work well with other colors, too.
- Lens material optical grade PMMA. Allows use of high current and temperature conditions
- Best available optical efficiency, more than 90%, with an extremely good cutoff of light
- Fastening of holden to PCB with appropriate adhesive, e.c. epoxy or polyurethane based. NOTE: DO NOT USE SUPERGLUE.

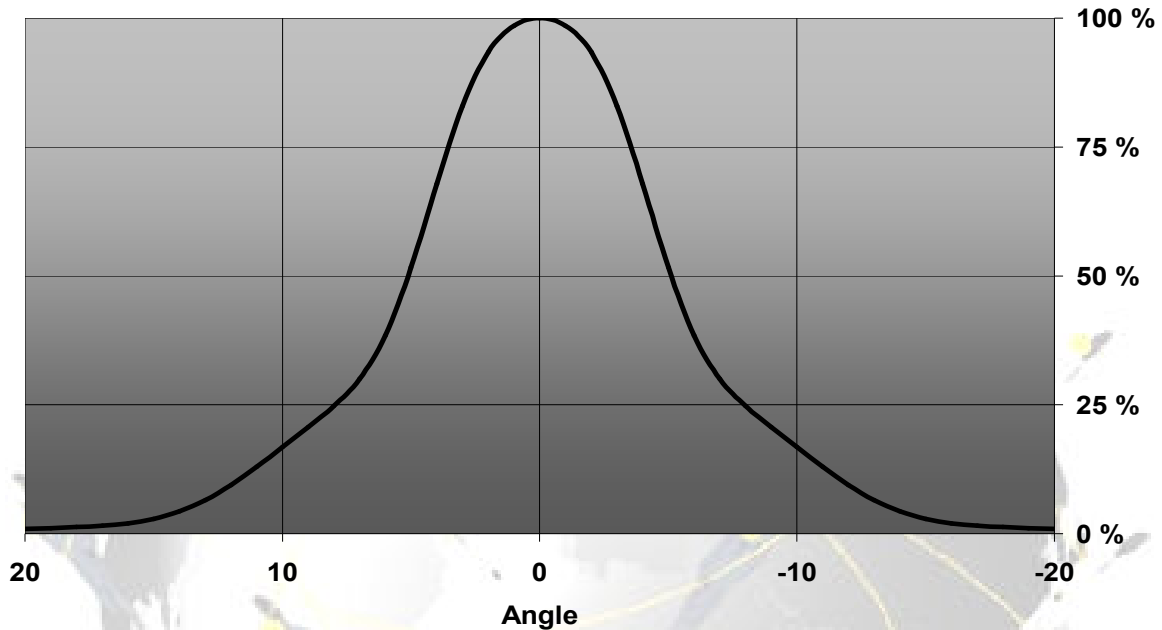
## LENS TYPES

NAME	ORDERING CODE	FWHM Angle
LZ1 REAL SPOT	FA10788 LZ1-RS	±5
LZ1 DIFFUSER	FA10790 LZ1-D	X
LZ1 MEDIUM	FA10787 LZ1-M	±13
LZ1 OVAL	FA11102 LZ1-O-90	coming soon
LZ1 RECTANGULAR	FA10789 LZ1-Rec	±18 x ±12

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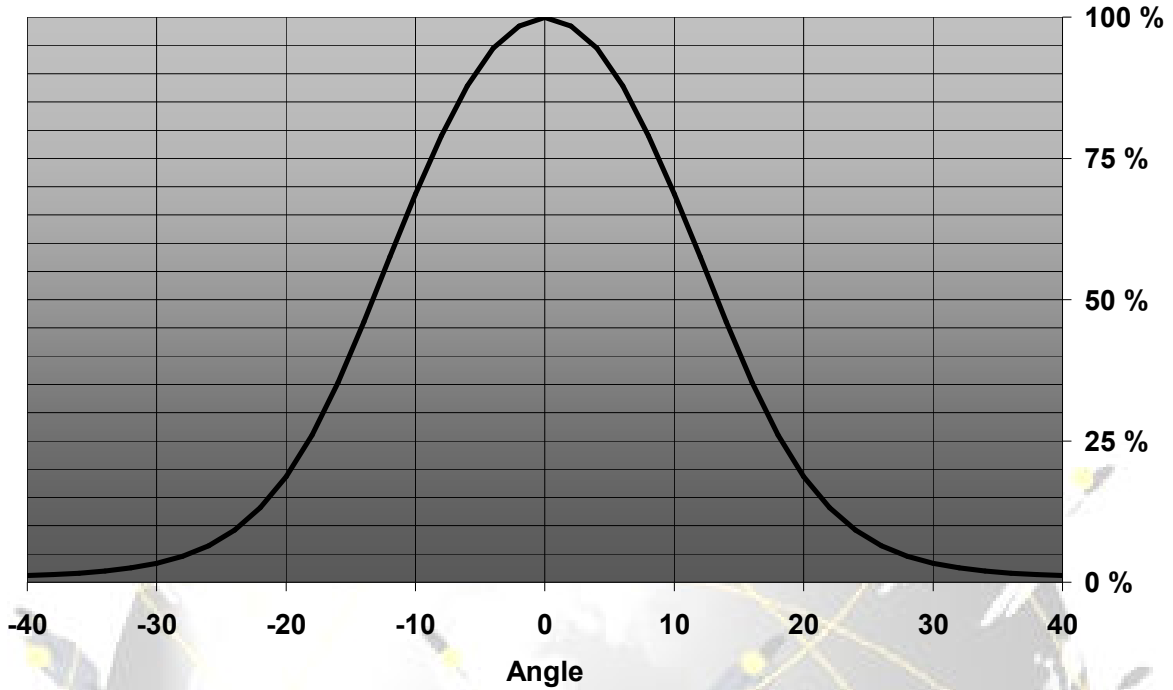
## MEASUREMENT DATA

Relative Intensity of LZ1-RS (n. 10450)

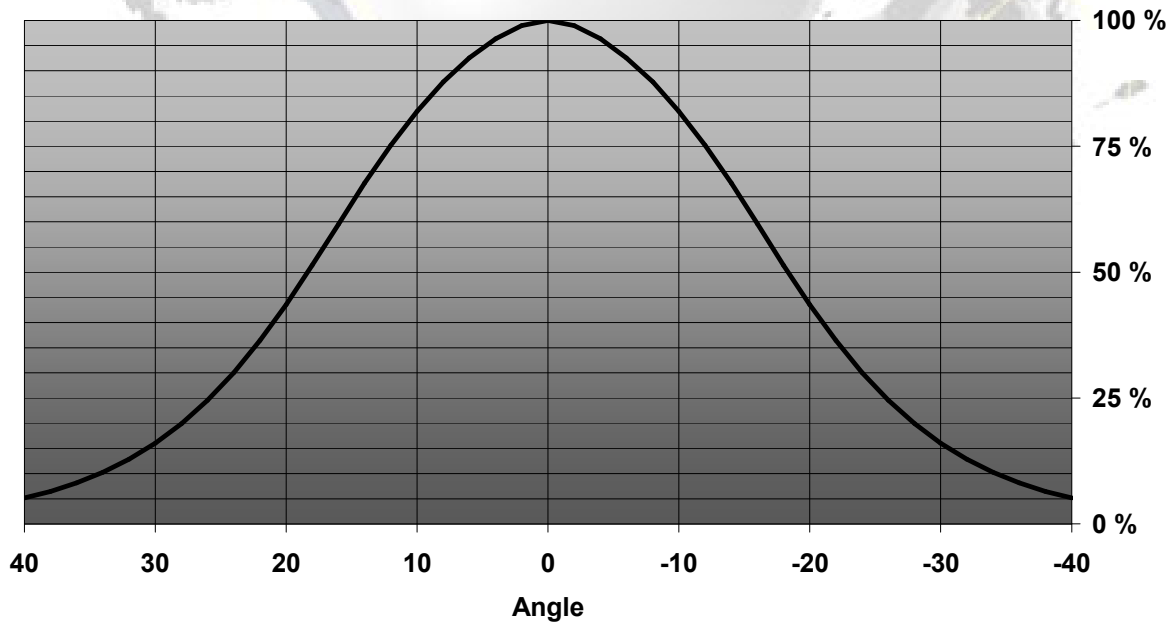


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Relative Intensity of LZ1\_M

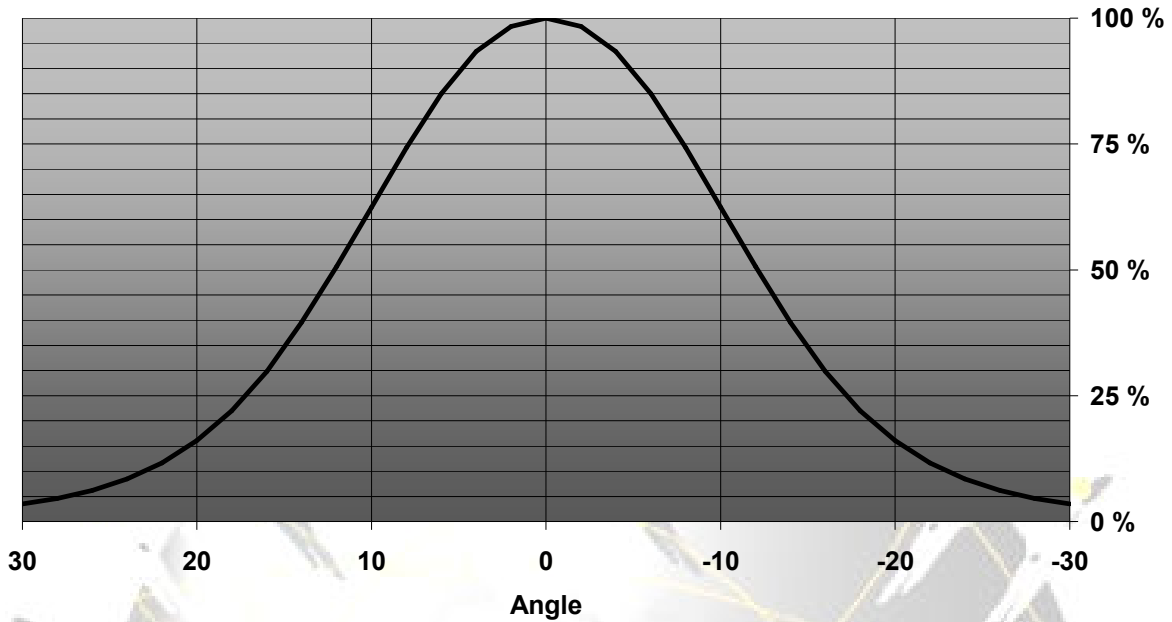


Relative Intensity of LZ1\_REC (horizontal direction)



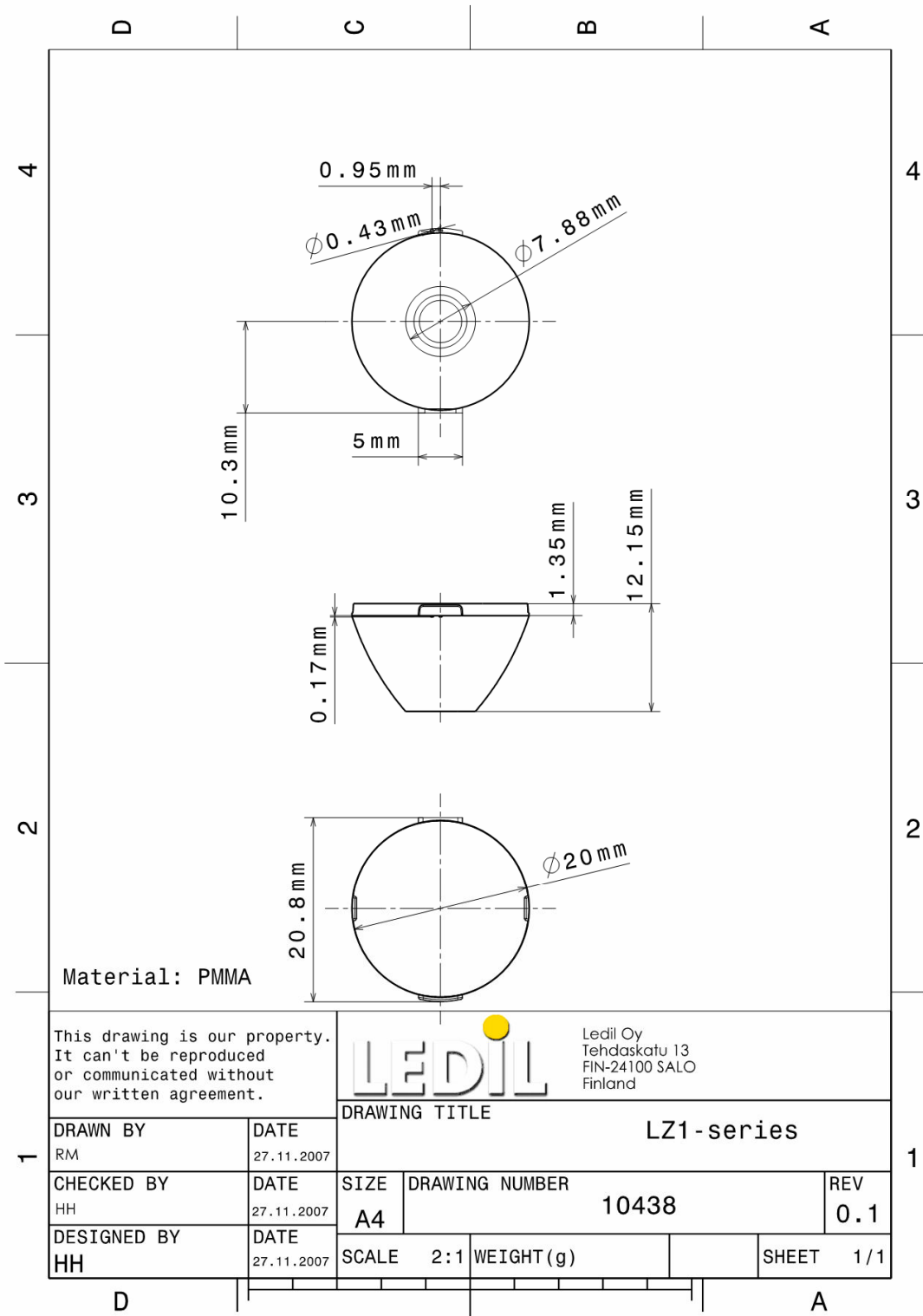
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Relative Intensity of LZ1\_REC (vertical direction)



EULUMDAT & IES FILES AVAILABLE BY REQUEST

## DRAWINGS



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