

## LD1 LENSES FOR OSRAM-OS DIAMOND DRAGON LEDs



**OSRAM**  
www.osram.com



- Specially designed for Osram-os Diamond Dragon 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.

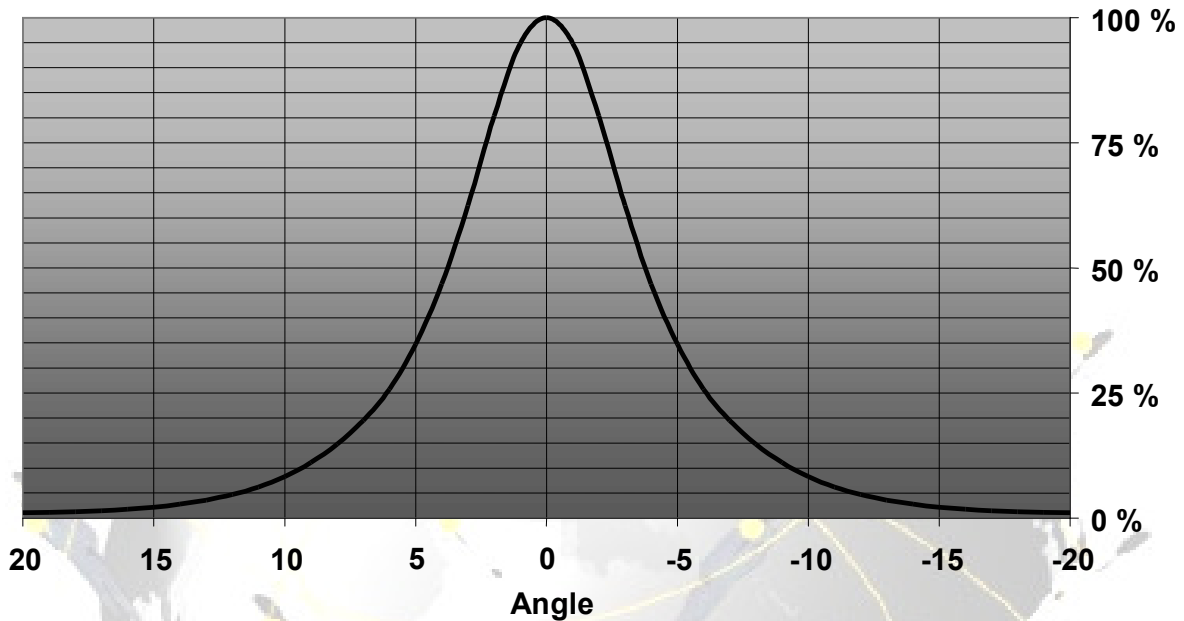
### LENS TYPES

| NAME            | ORDERING CODE      | FWHM Angle |
|-----------------|--------------------|------------|
| LD1 REAL SPOT   | LD1-RS (n. 10492)  | ±4         |
| LD1 SMOOTH SPOT | LD1-SS (n. 10490)  | ±3         |
| LD1 MEDIUM      | LD1-M (n. 10491)   | ±12        |
| LD1 RECTANGULAR | LD1-REC (n. 10493) | ±20 x ±12  |

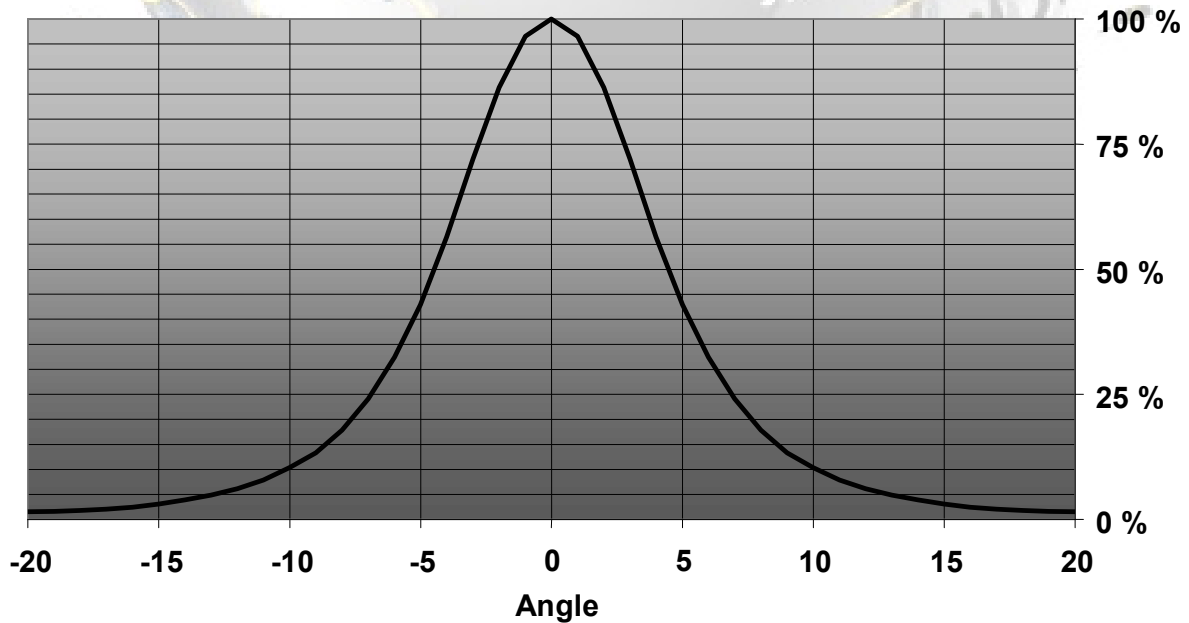
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## MEASUREMENT DATA

Relative Intensity of LD1-RS

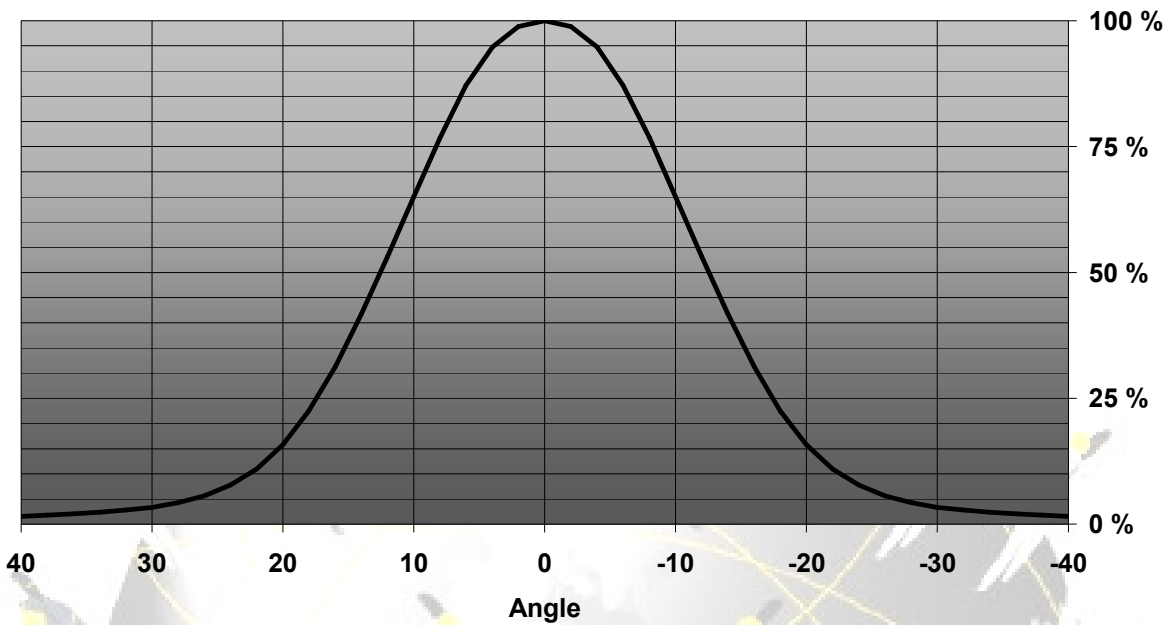


Relative Intensity of LD1-SS

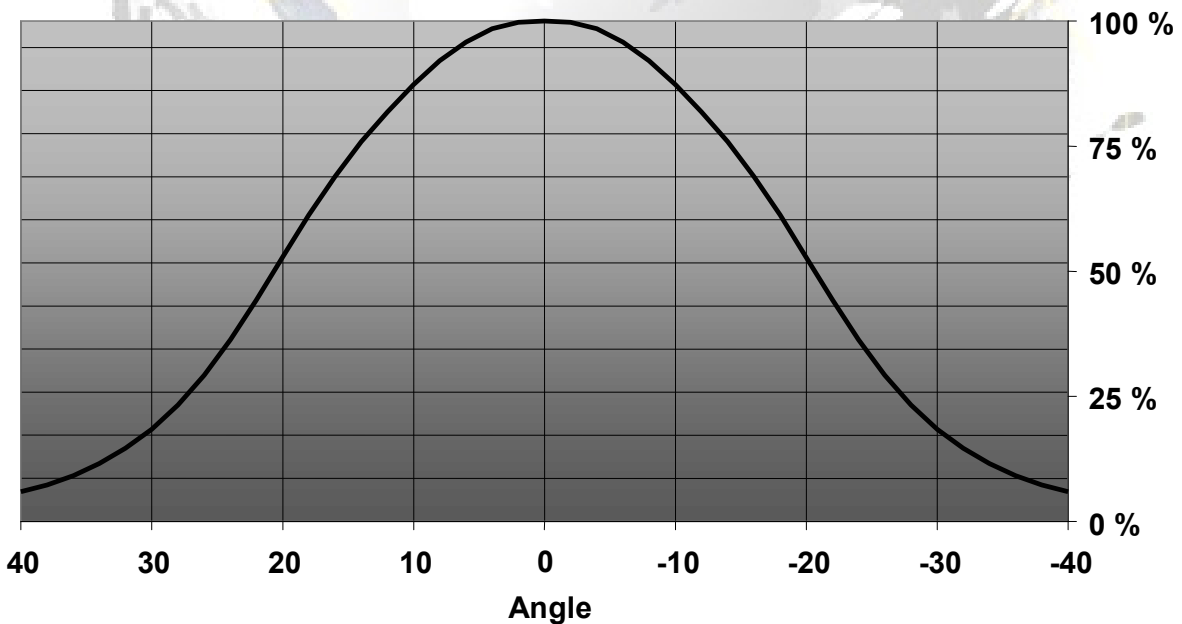


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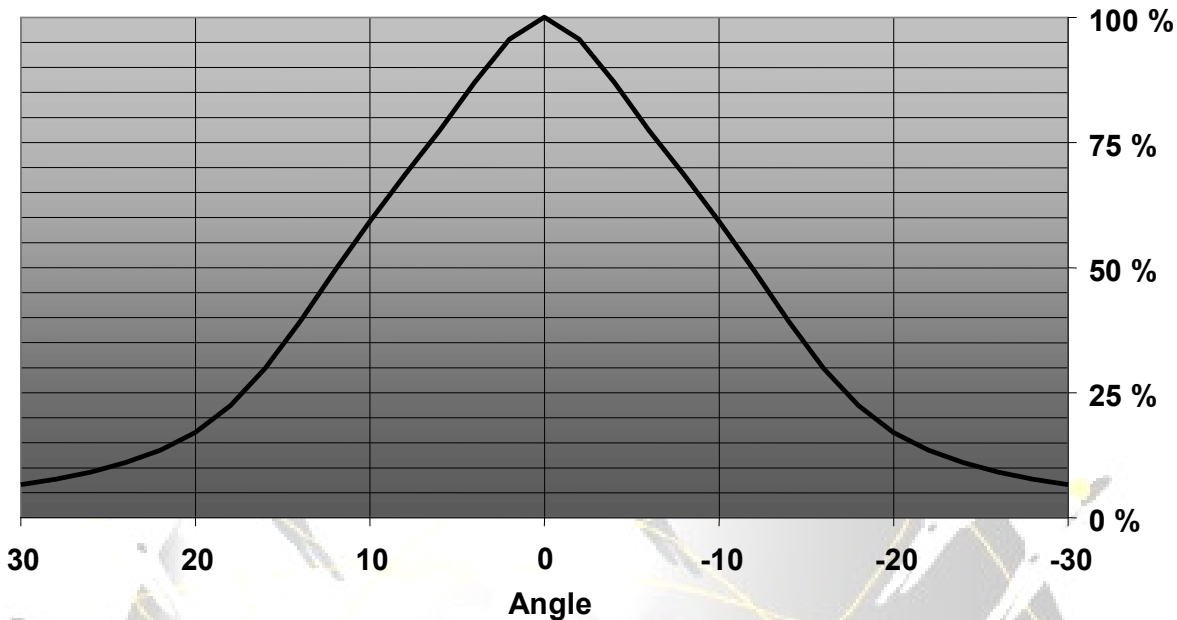
Relative Intensity of LD1\_M



Relative Intensity of LD1-REC (horizontal)

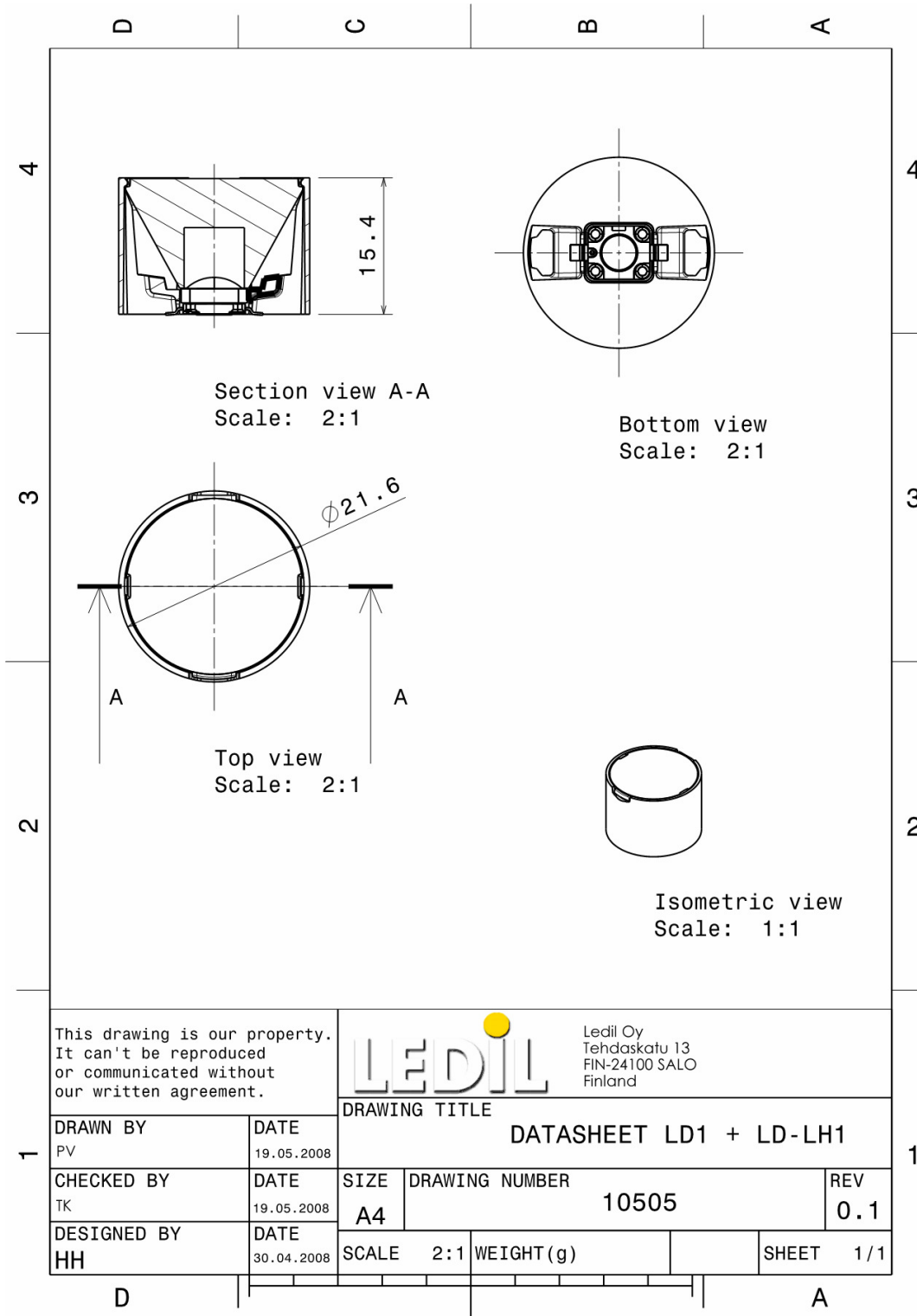


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**Relative Intensity of LD1-REC (vertical)**

EULUMDAT & IES FILES AVAILABLE BY REQUEST

## DRAWINGS



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