

**RES SQUARE lenses for LUXEON Rebel LEDs**

- Designed & optimized for Luxeon Rebel series of LEDs
- Lens material optical grade PC with high UV and temperature resistance (120°C/248°F). Allows use of high current and temperature conditions
- Best available optical efficiency, up to 90%, with an extremely good cutoff of light
- Integrated holder. Fastening to heat sink with a PU foam adhesive tape of automotive grade
- We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit board weaken the strength of the tape.
- Please check fastening details from this link:  
([http://www.ledil.com/datasheets/DataSheet\\_TAPE.pdf](http://www.ledil.com/datasheets/DataSheet_TAPE.pdf))
- Compact dimensions 21.6 x 21.6 mm. Square form enables easy build of matrix without any gaps between lenses.

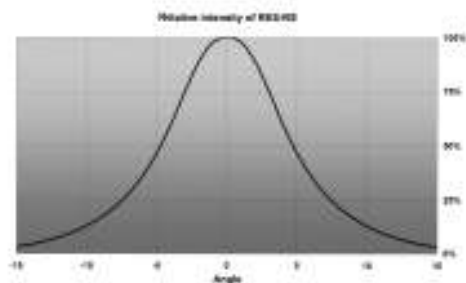
**LENS TYPES**

| NAME                      | ORDERING CODE     | FWHM Angle |
|---------------------------|-------------------|------------|
| RE SQUARE REAL SPOT       | FA10856_RES-RS    | ±4°        |
| RE SQUARE SMOOTH SPOT     | FA10853_RES-SS    | ±6°        |
| RE SQUARE DIFFUSER        | FA10852_RES-D     | ±8°        |
| RE SQUARE MEDIUM          | FA10851_RES-M     | ±15°       |
| RE SQUARE WIDE            | FA10855_RES-W     | ±17°       |
| RE SQUARE WIDE-V6         | FA11675_RES-W-V6  | ±27°       |
| RE SQUARE OVAL            | FA10854_RES-O     | ±6° x ±23° |
| RE SQUARE OVAL turned 90° | 4FA11157_RES-O-90 | ±6° x ±23° |

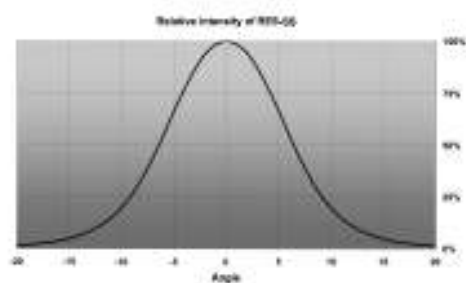
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## MEASUREMENTS

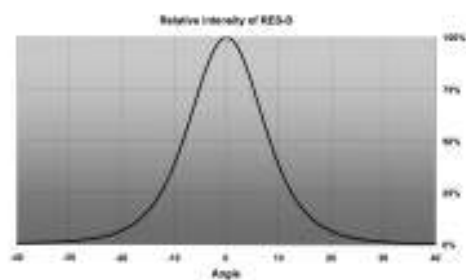
### RES-RS



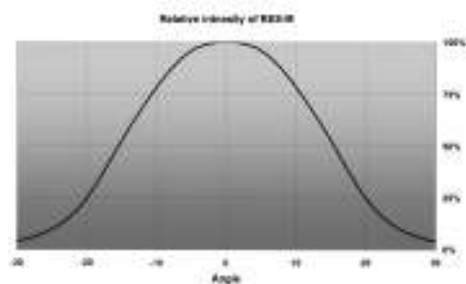
### RES-SS



### RES-D

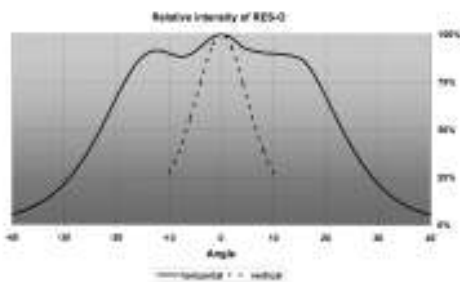


### RES-M

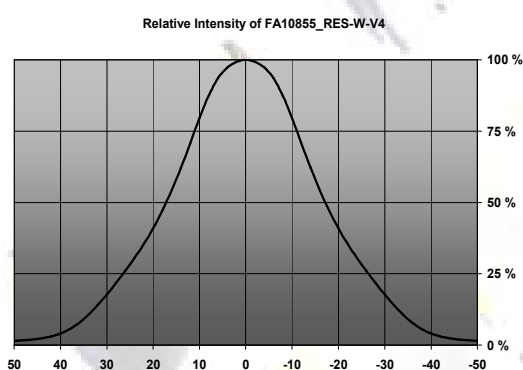


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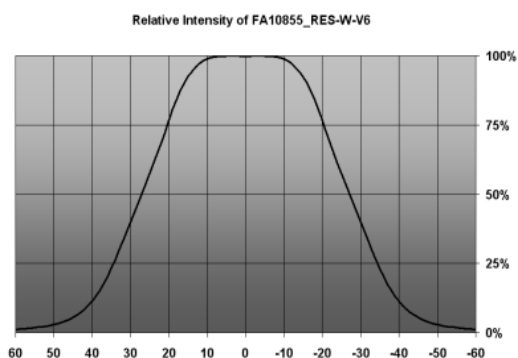
## RES-O



## RES-W-V4



## RES-W-V6



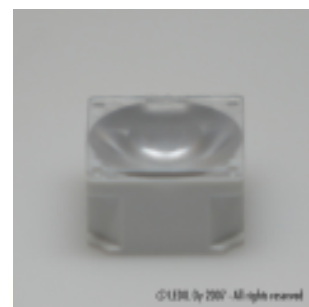
### PHOTOS



**RES-RS**



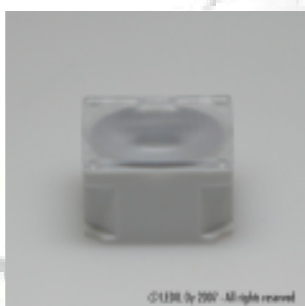
**RES-SS**



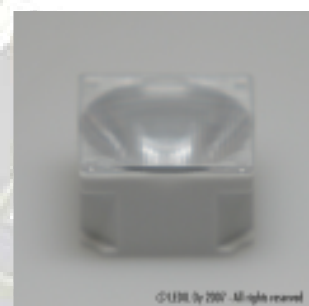
**RES-D**



**RES-M**

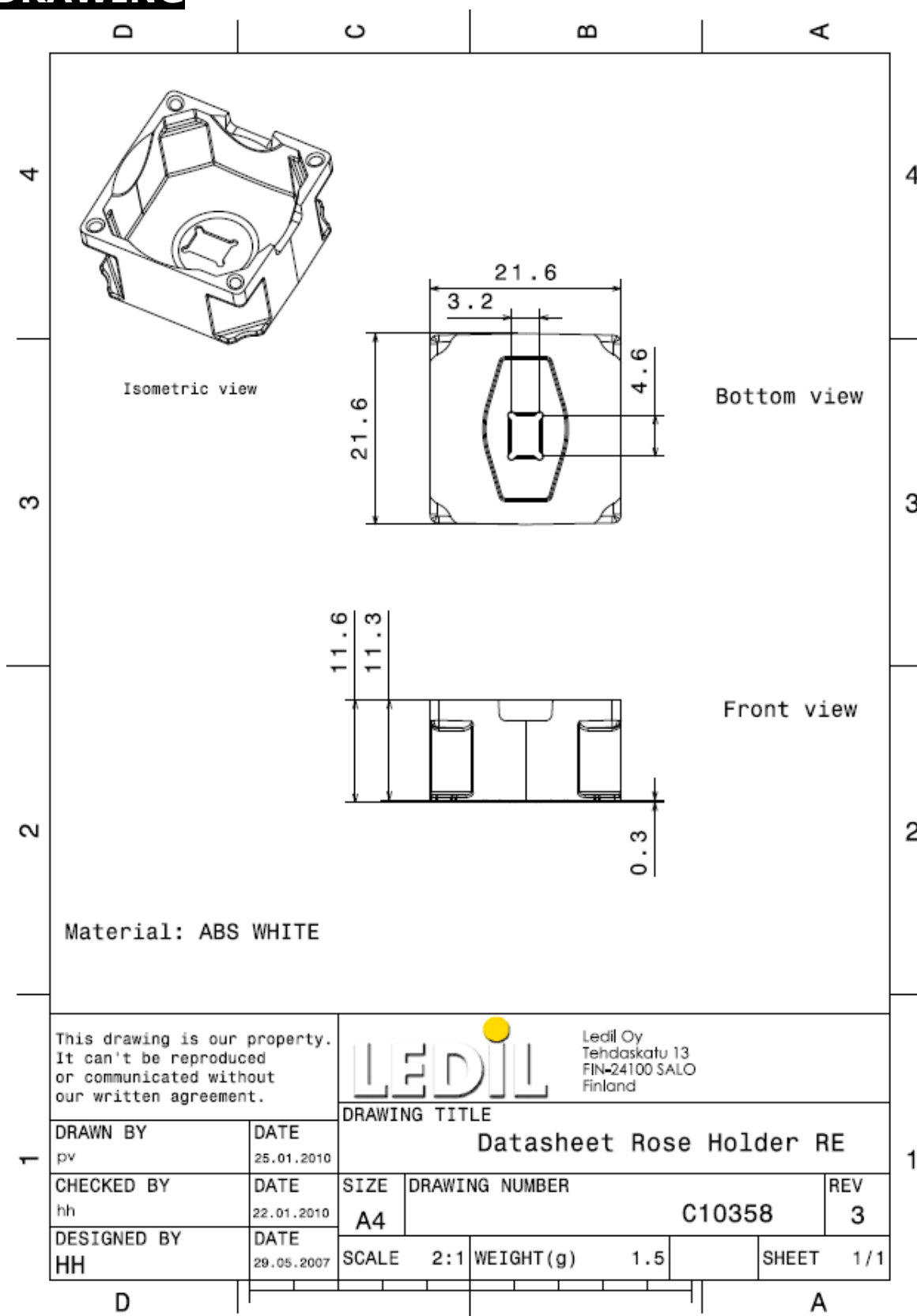


**RES-W**



**RES-O**

## DRAWING



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