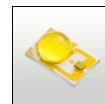


## LISA2-CLIP16-RE MINIATURE LENS FOR LUXEON REBEL / ES SERIES OF LEDS

LUXEON



- Lens material optical grade PMMA with high UV and temperature resistance (105°C/220°F). Lens holder molded of high quality black PC (120°C/248°F).
- High optical efficiency, up to 90%.
- Integrated holder with small snap clips. See drawing below for more details of fastening the holder to PCB.
- Very small and compact dimensions: Diameter 9.9 mm, height 6.8 mm.

### LENS TYPES

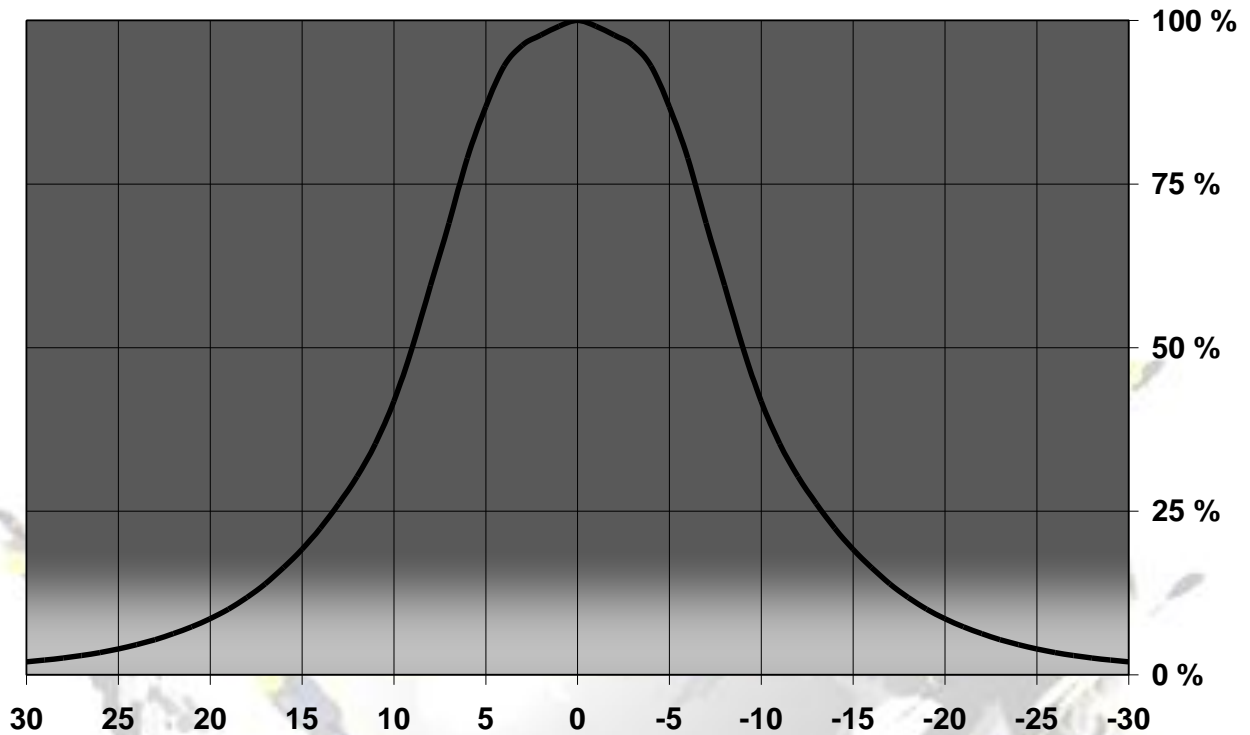
NAME	ORDERING CODE	FWHM Angle
Lisa2-Clip16 Real Spot	FA11086_Lisa2-RS-clip16-RE	±9°
Lisa2-Clip16 Medium	FA11072_Lisa2-M-clip16-RE	±13°
Lisa2-Clip16 Oval	FA11122_Lisa2-O-clip16-RE	±10° x ±24°
Lisa2-Clip16 Oval 90°	FA11858_Lisa2-O-90-clip16-RE	±10° x ±24°
Lisa2-Clip16 Wide	FA11073_Lisa2-W-clip16-RE	±19°
Lisa2-Clip16 WW	FA11074_Lisa2-WW-clip16-RE	~±30°
Lisa2-Clip16 WWW	FA11952_Lisa2-WWW-Clip16-RE	~40°

NAME	ORDERING CODE	FWHM Angle
Lisa2-Clip16 Real Spot	FA11086_Lisa2-RS-clip16-RE-ES	to be measured shortly
Lisa2-Clip16 Medium	FA11072_Lisa2-M-clip16-RE-ES	to be measured shortly
Lisa2-Clip16 Oval	FA11122_Lisa2-O-clip16-RE-ES	to be measured shortly
Lisa2-Clip16 Oval 90°	FA11858_Lisa2-O-90-clip16-RE-ES	to be measured shortly
Lisa2-Clip16 Wide	FA11073_Lisa2-W-clip16-RE-ES	to be measured shortly

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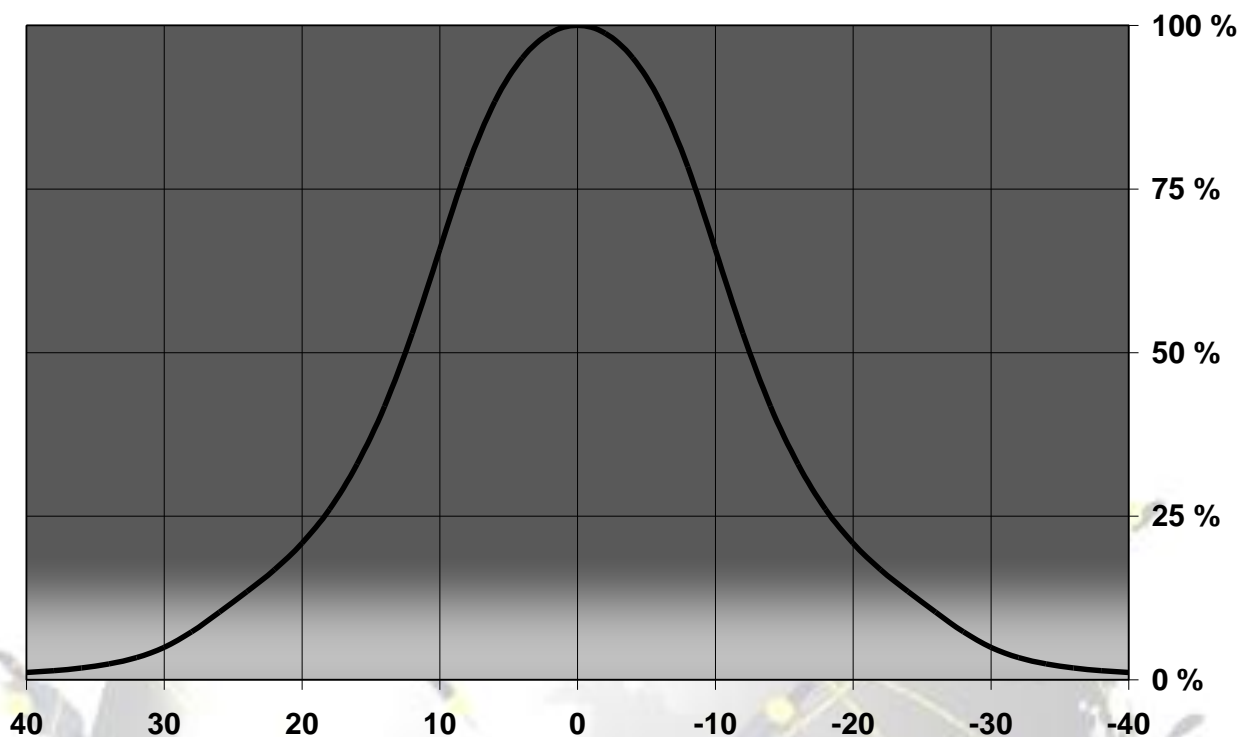
**MEASUREMENT DATA**

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



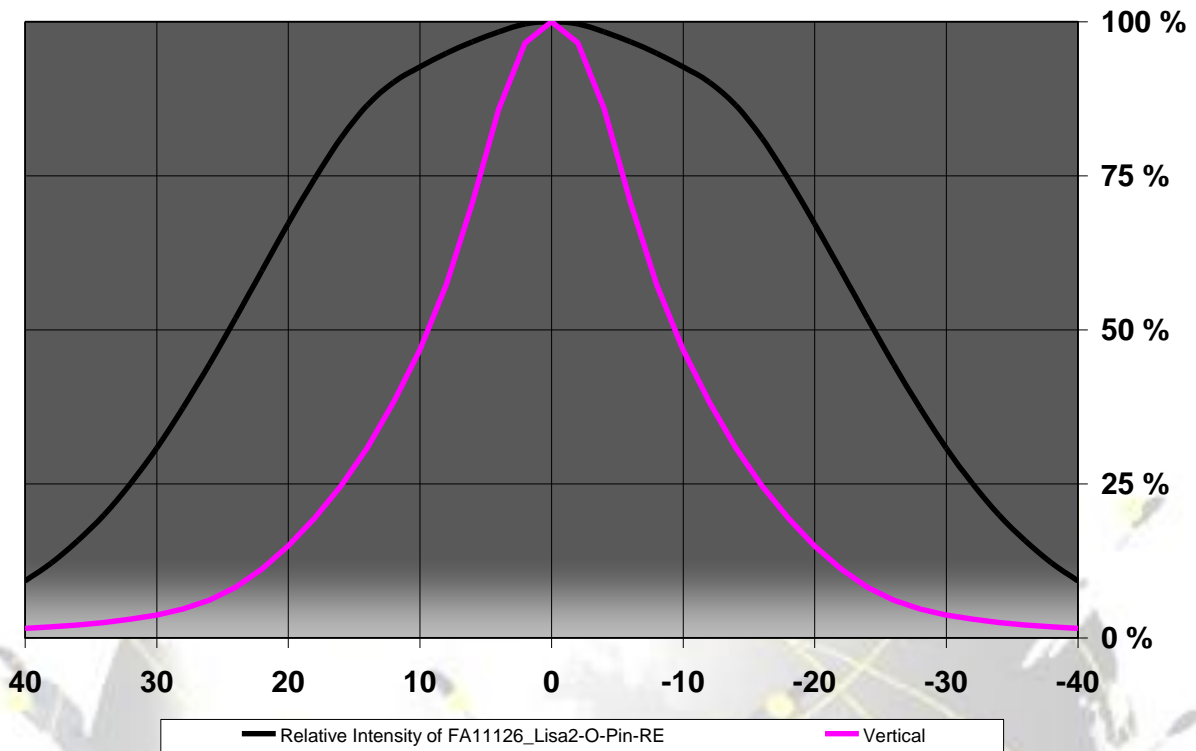
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Relative Intensity of FA10992\_Lisa2-M-Pin-RE

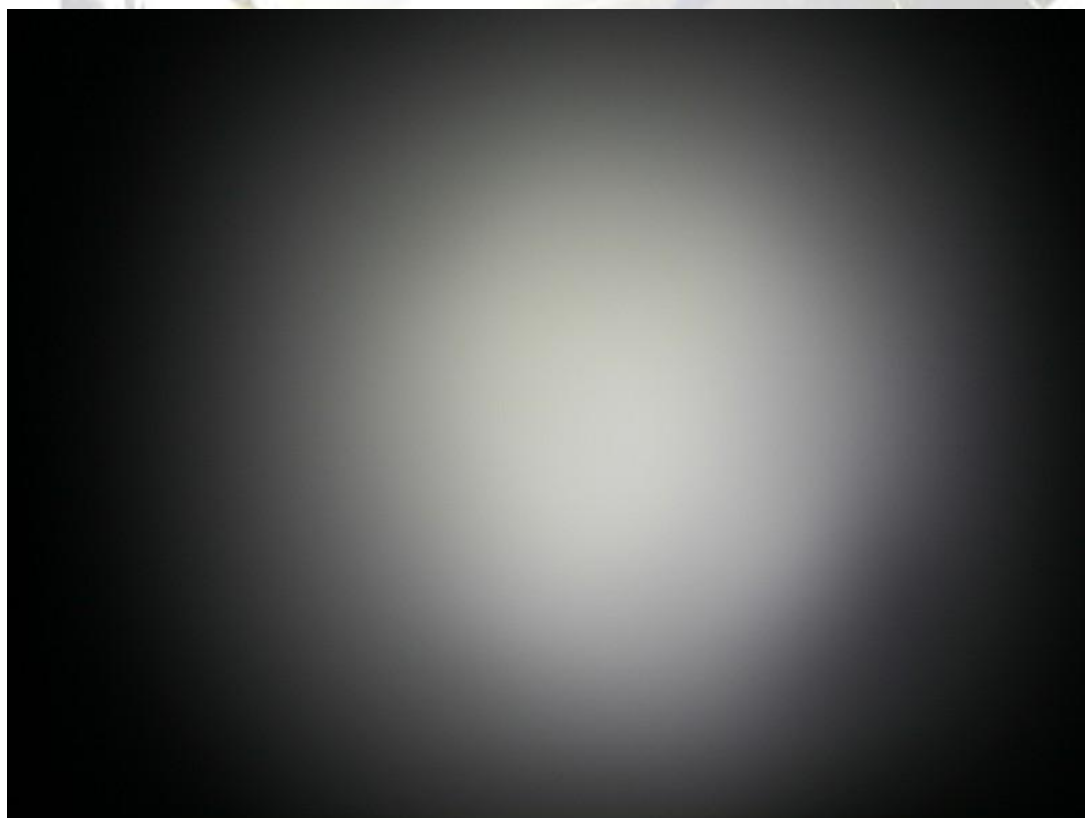
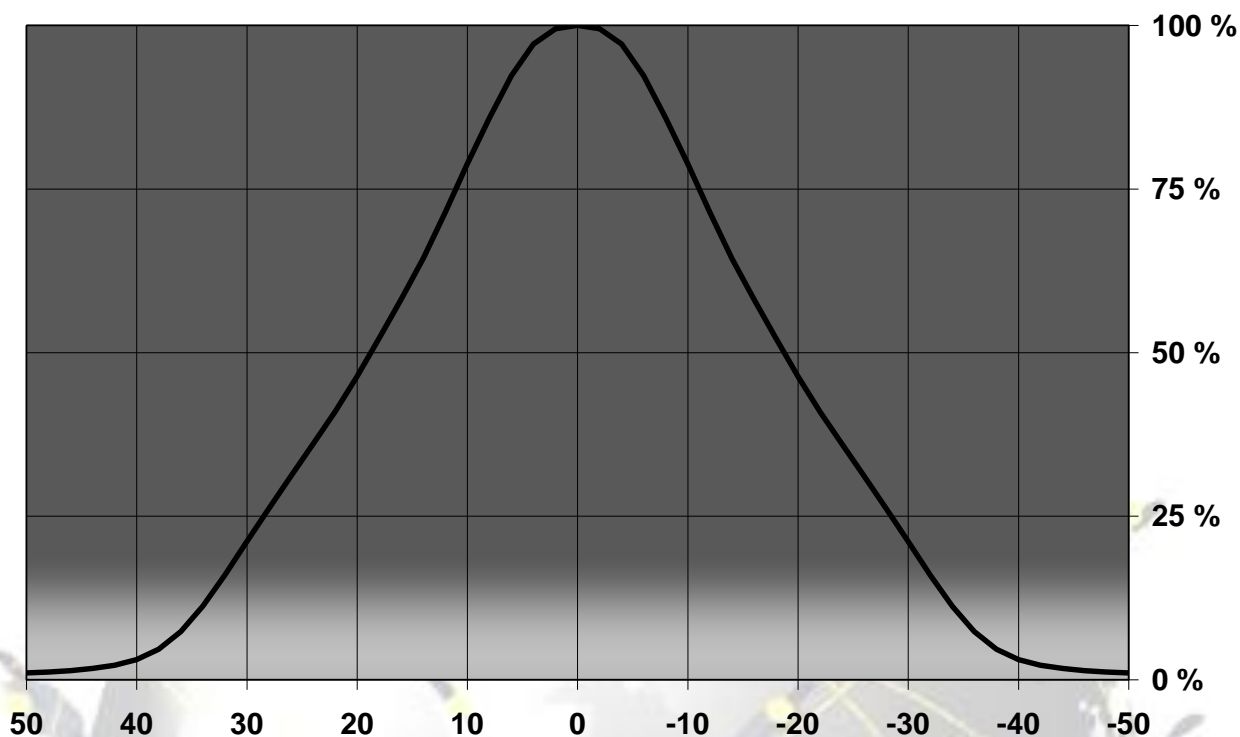


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Relative intensity of FA11126\_Lisa2-O-Pin-RE

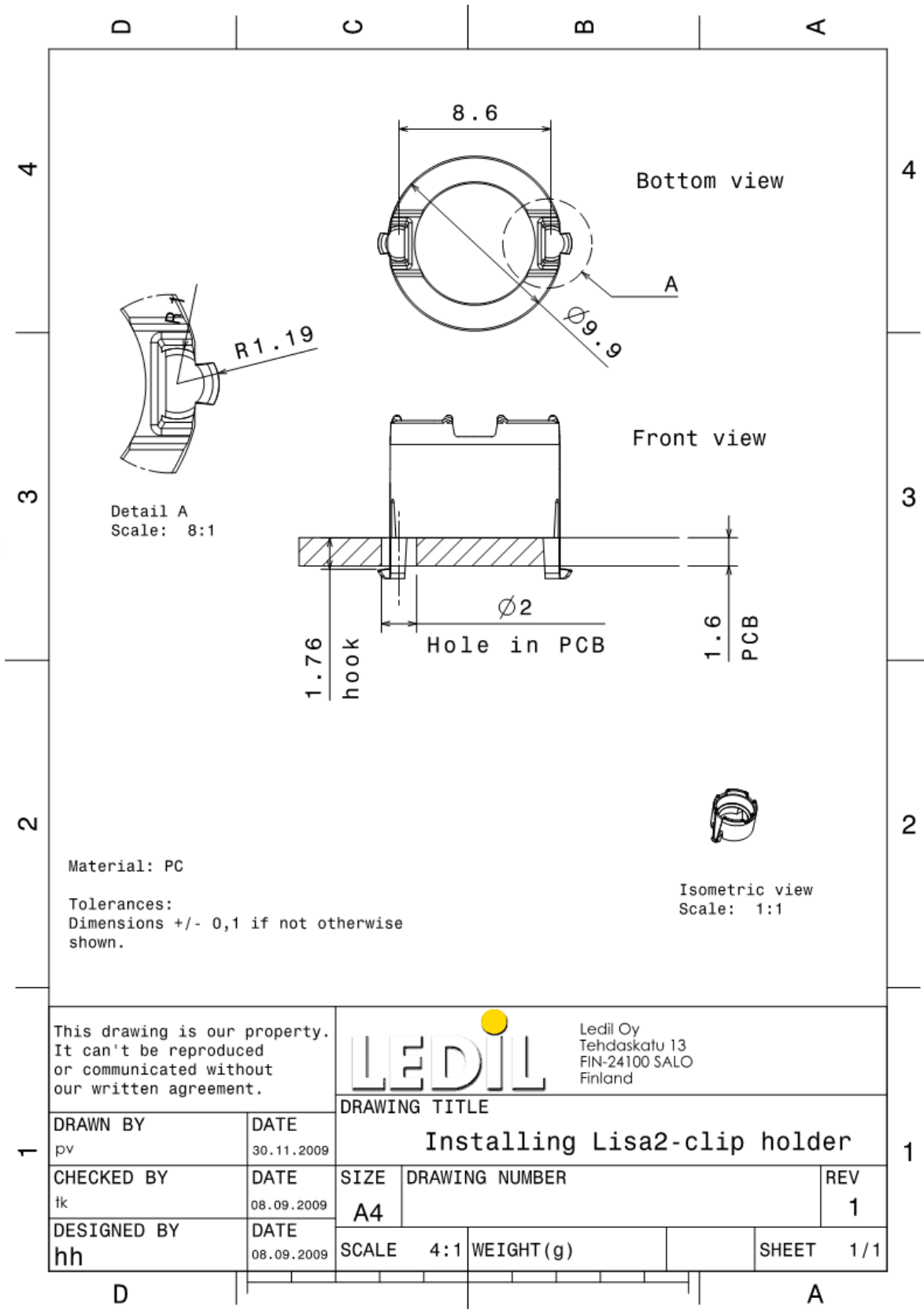


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**Relative Intensity of FA10993\_Lisa2-W-Pin-RE**

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## DRAWINGS



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Ledil Oy  
 Tehdaskatu 13  
 FIN-24100 SALO  
 Finland

DRAWN BY pv		DATE 30.11.2009	DRAWING TITLE Installing Lisa2-clip holder		1
CHECKED BY tk	DATE 08.09.2009	SIZE A4	DRAWING NUMBER	REV 1	
DESIGNED BY hh	DATE 08.09.2009	SCALE 4:1	WEIGHT (g)	SHEET 1/1	

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