

**Product number FP11086_LISA2-RS-CLIP**

Family	Lisa2	FWHM	23 degrees
Type	Assembly	Efficiency	91 %
LED	LUXEON A	cd/Im	3.100
Color	Black	Gerber File	Available
Diameter	9.9 mm		
Height	6.6 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue", "clips"]		
Status	Production ready		

**Product number FP11072_LISA2-M-CLIP**

Family	Lisa2	FWHM	32 degrees
Type	Assembly	Efficiency	91 %
LED	LUXEON A	cd/Im	1.900
Color	Black	Gerber File	Available
Diameter	9.9 mm		
Height	6.6 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue", "clips"]		
Status	Production ready		

**Product number FP11122_LISA2-O-CLIP**

Family	Lisa2	FWHM	44+23 degrees
Type	Assembly	Efficiency	-
LED	LUXEON A	cd/Im	-
Color	Black	Gerber File	Available
Diameter	9.9 mm		
Height	6.6 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue", "clips"]		
Status	Production ready		

**Product number FP11858_LISA2-O-90-CLIP**

Family	Lisa2	FWHM	48+20 degrees
Type	Assembly	Efficiency	-
LED	LUXEON A	cd/Im	-
Color	Black	Gerber File	Available
Diameter	9.9 mm		
Height	6.6 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["clips", "glue"]		
Status	Production ready		



PRODUCT DATASHEET

Lisa2 series

last update 26/8/2015

NOTE: The typical divergence will be changed by different color, chip size and chip position tolerance. The typical total divergence is the full angle measured where the luminous intensity is half of the peak value.



PRODUCT DATASHEET

Lisa2 series

last update 26/8/2015

GENERAL INFORMATION

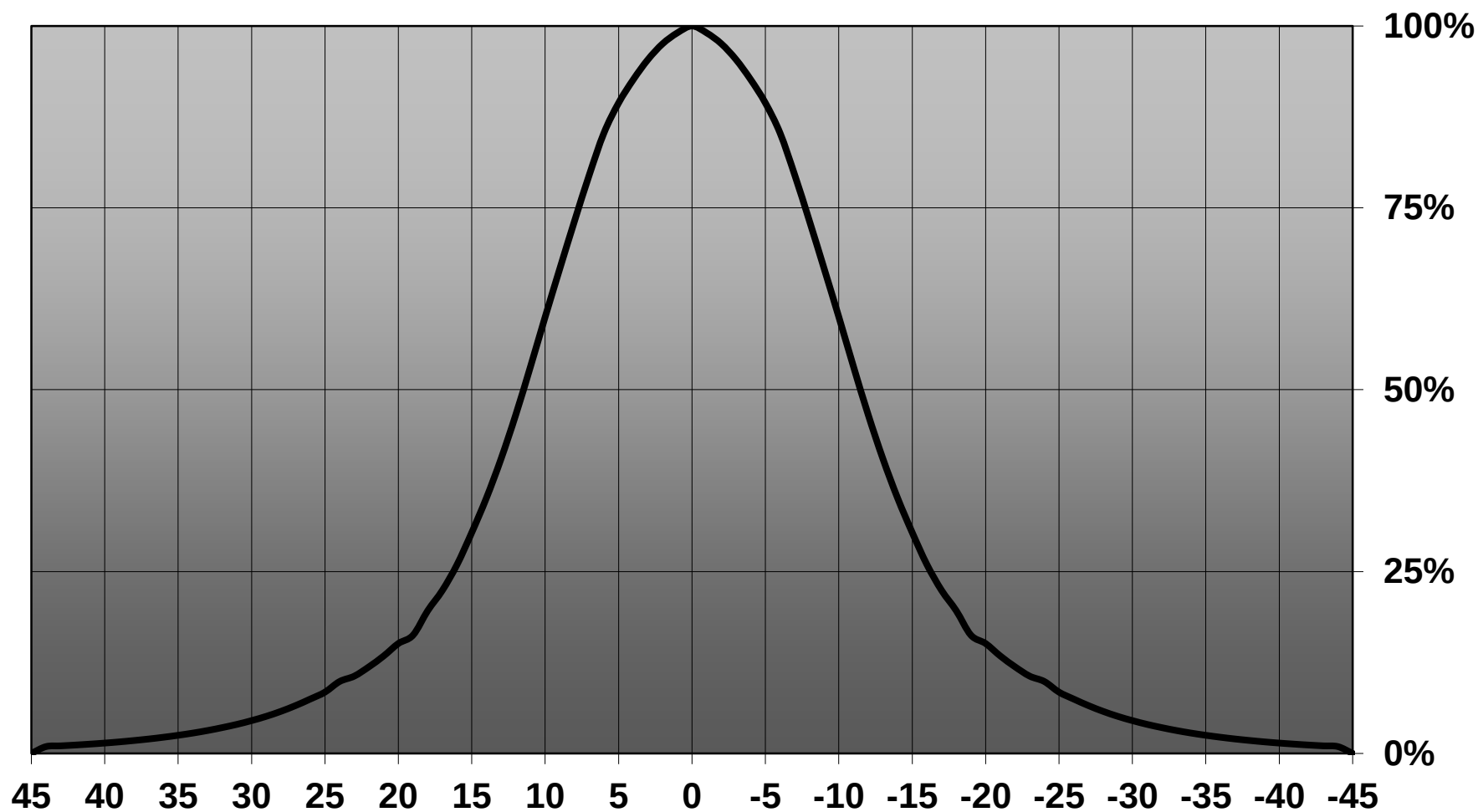
- Product series especially designed & optimized for LUXEON A series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PMMA with high UV and temperature resistance. Allows use of high current and temperature conditions.

Please find more information about used material from below:

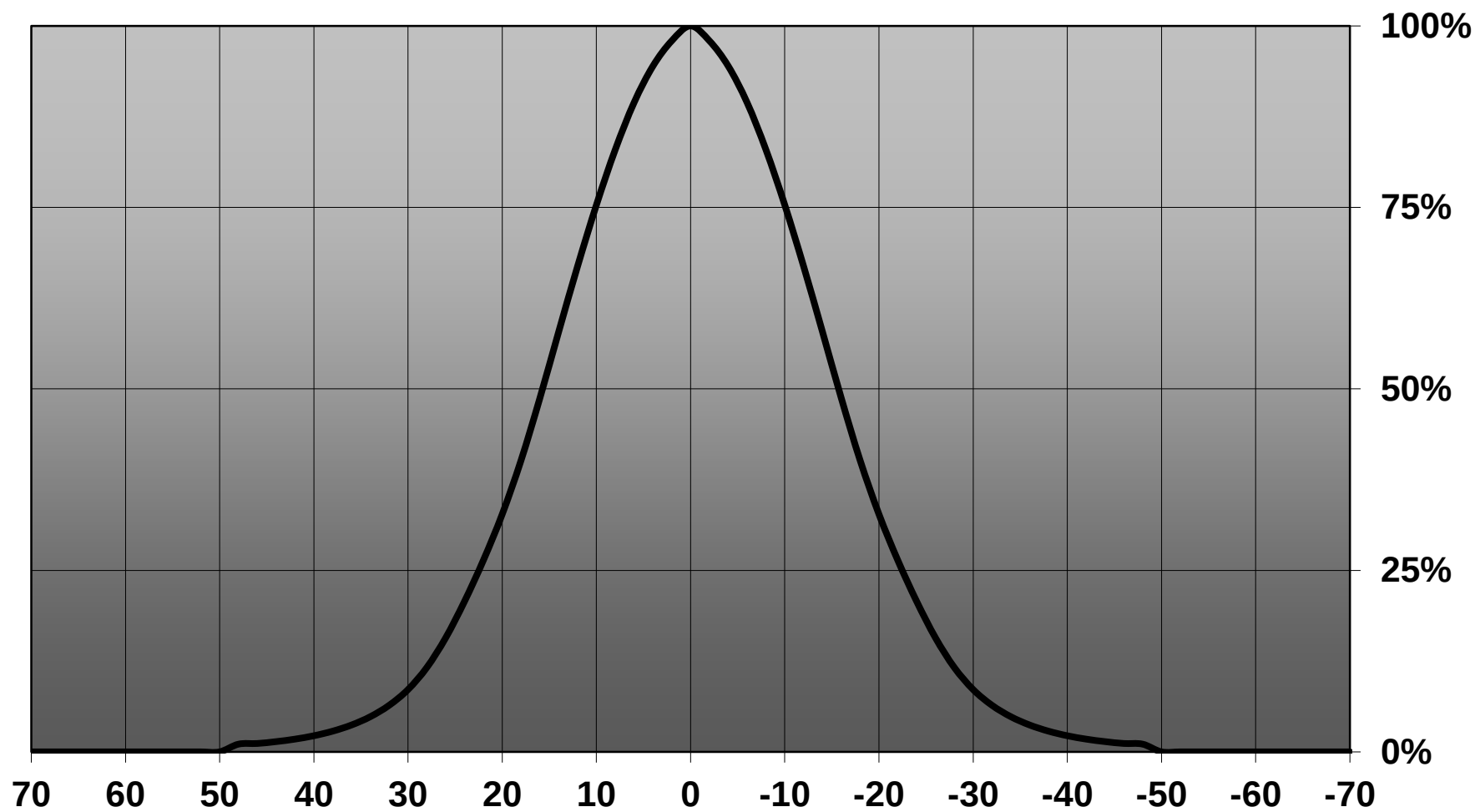
http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20UL94_Yellow%20Card.pdf

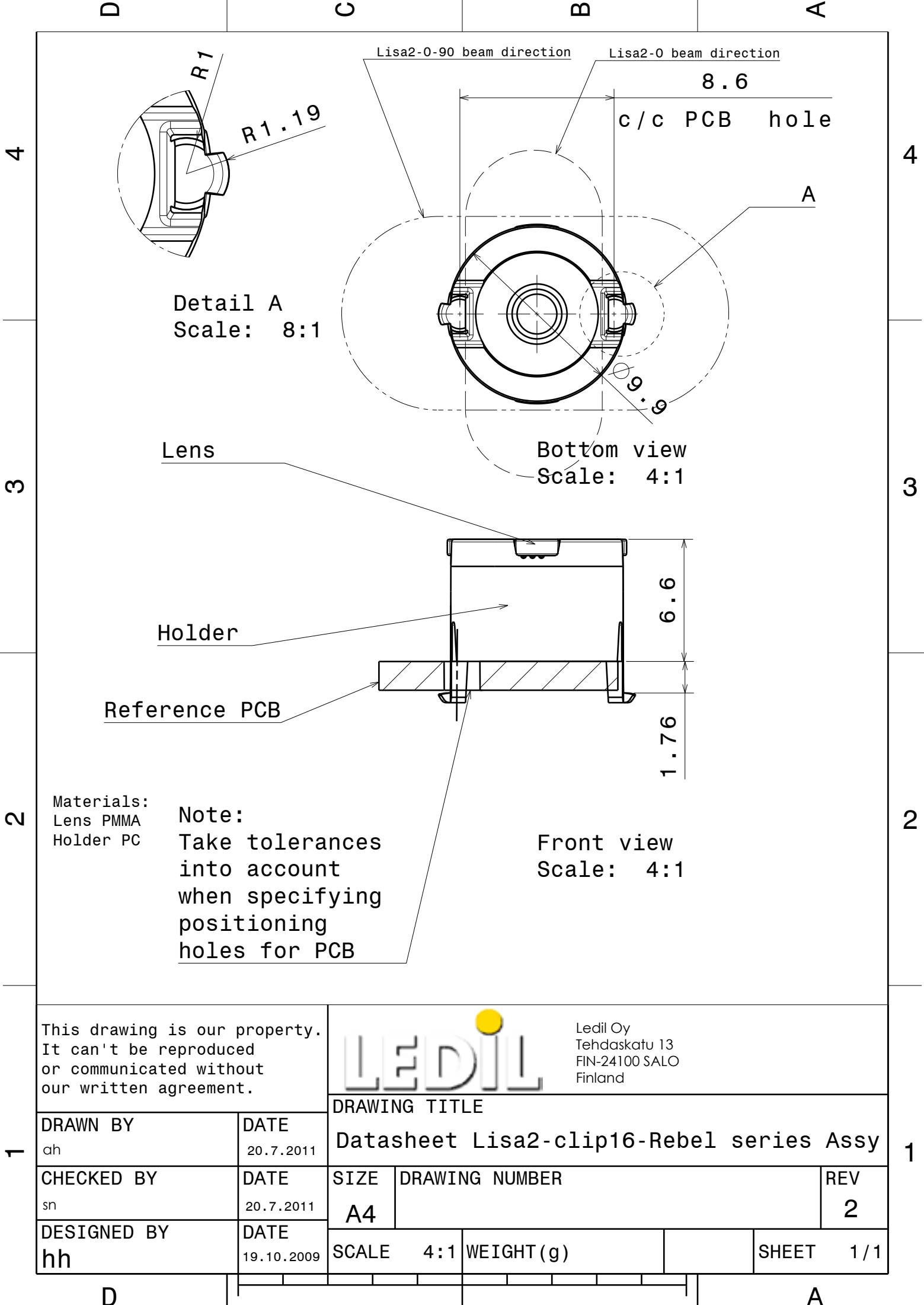
<http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20PLEXIGLAS-Datasheet.pdf>

Relative intensity of FP11086_LISA2-RS-CLIP



Relative intensity of FP11072_LISA2-M-CLIP





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Tehdaskatu 13
FIN-24100 SALO
Finland

DRAWING TITLE

Datasheet Lisa2-clip16-Rebel series Assy

DRAWN BY

ah

DATE

20.7.2011

CHECKED BY

sn

DATE

20.7.2011

DESIGNED BY

hh

DATE

19.10.2009

SIZE

A4

DRAWING NUMBER

REV

2

SCALE

4:1

WEIGHT (g)

SHEET

1/1