LISA2-O-CLIP

~45° x 20° oval beam optimized for CREE XP-E. 6.8 mm high variant with clip installation.



TECHNICAL SPECIFICATIONS:

Dimensions	Ø 9.9 mm
Height	6.8 mm
Fastening	glue, clips
ROHS compliant	yes

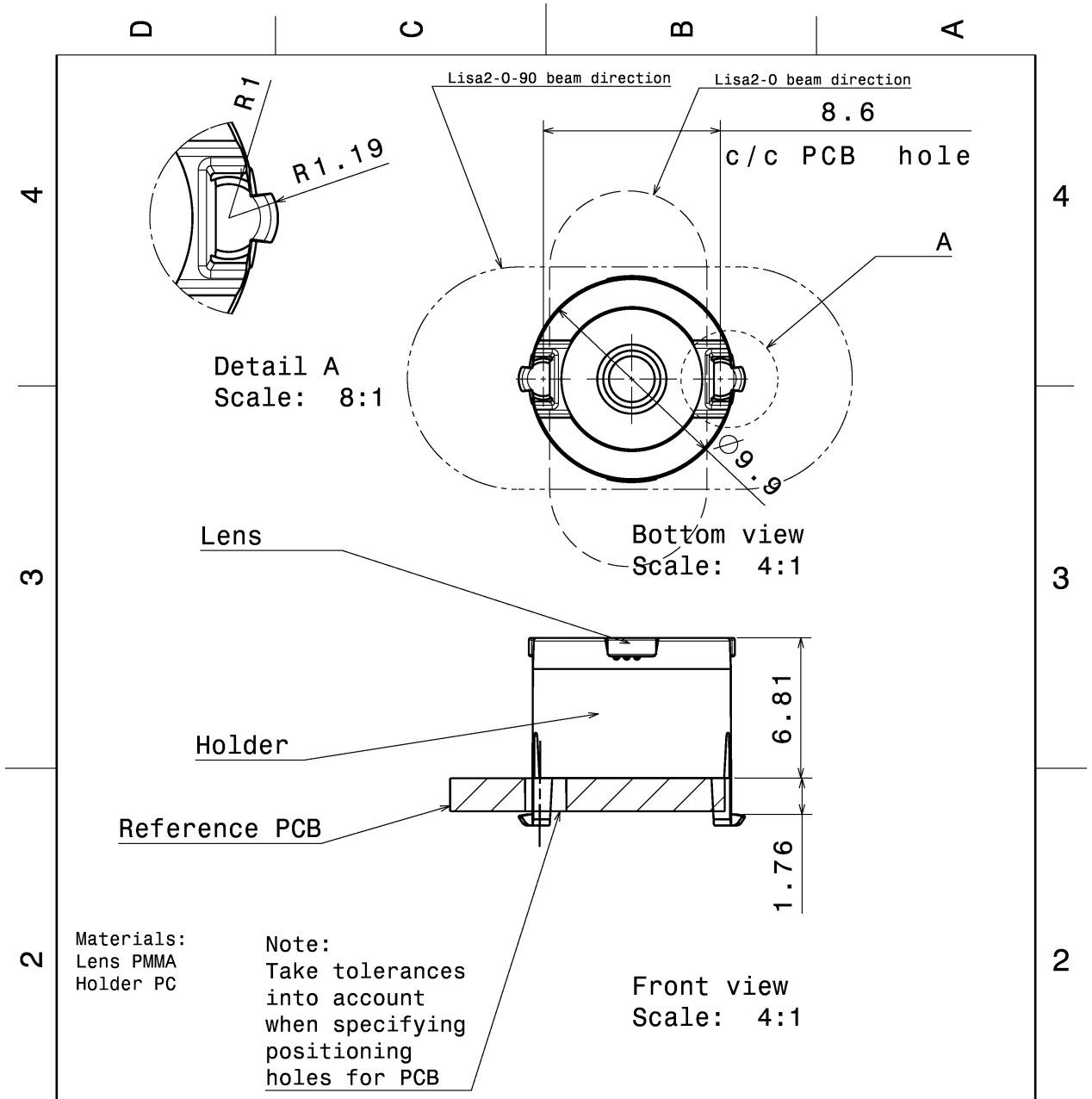
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
LISA2-O-XP	Single lens	PMMA	clear	
LISA2-HLD-CLIP16-XP	Holder	PC	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP11121_LISA2-O-CLIP	Single lens	2000	300	100	1.4
» Box size:					

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Materials:
Lens PMMA
Holder PC

Note:
Take tolerances into account when specifying positioning holes for PCB

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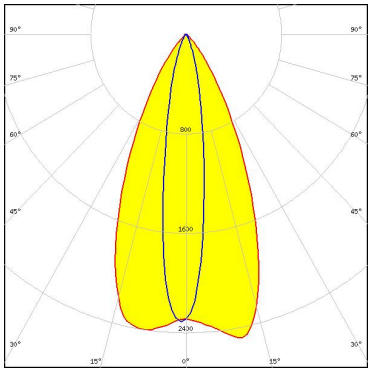
Ledil Oy
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DRAWN BY: ah	DATE: 20.7.2011	DRAWING TITLE: Datasheet Lisa2-clip16-XP series Assy		
CHECKED BY: sn	DATE: 20.7.2011	SIZE: A4	DRAWING NUMBER	REV: 2
DESIGNED BY: hh	DATE: 19.10.2009	SCALE: 4:1	WEIGHT(g)	SHEET: 1/1

PHOTOMETRIC DATA (MEASURED):

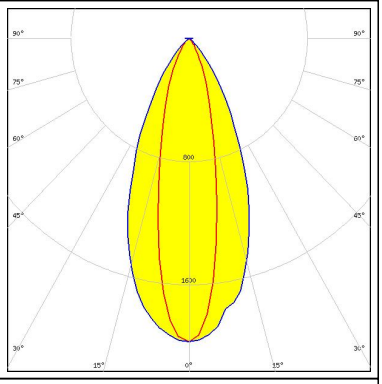
CREE

LED	XP-E
FWHM	18.0 + 48.0°
Efficiency	83 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



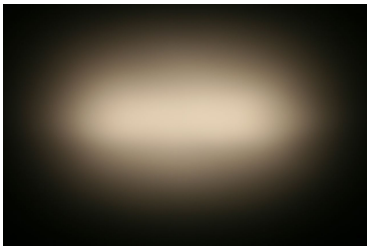
CREE

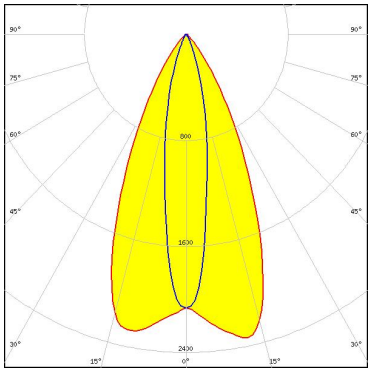
LED	XP-G
FWHM	46.0 + 24.0°
Efficiency	86 %
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

LED	LUXEON Z ES
FWHM	50.0 + 19.0°
Efficiency	79 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





OSRAM
Opto Semiconductors

LED	SFH 4170S
FWHM	50.0 + 12.0°
Efficiency	%
LEDs/each optic	1
Light colour	IR
Required components:	

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PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED	SFH 4180S
FWHM	11.0 + 51.0°
Efficiency	%
LEDs/each optic	1
Light colour	IR
Required components:	

SHARP

LED	Double Dome (GM2BB)
FWHM	10.0 + 32.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

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PHOTOMETRIC DATA (SIMULATED):

CREE

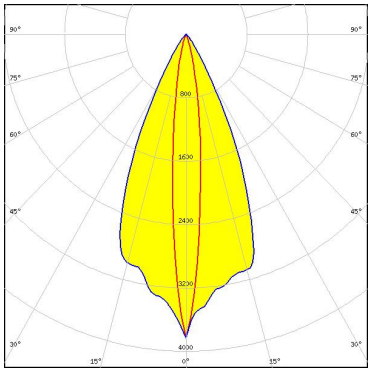
LED	XQ-E HD
FWHM	13.0 + 40.0°
Efficiency	86 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

CREE

LED	XQ-E HI
FWHM	11.0 + 46.0°
Efficiency	83 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



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GENERAL INFORMATION:

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

MATERIALS:

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