LISA2-WW-CLIP

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

SPECIFICATION:

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

MATERIALS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP11077_LISA2-WW-CLIP	Single lens	2000		100	1.4

» Box size:

R1
R1.19

Detail A
Scale: 8:1

Lisa2-0-90 beam direction   Lisa2-0 beam direction

8.6
c/c PCB hole

A

Ø9.9

Bottom view
Scale: 4:1

Lens

Holder

Reference PCB

6.81

1.76

Front view
Scale: 4:1

Materials:
Lens PMMA
Holder PC

Note:
Take tolerances
into account
when specifying
positioning
holes for PCB
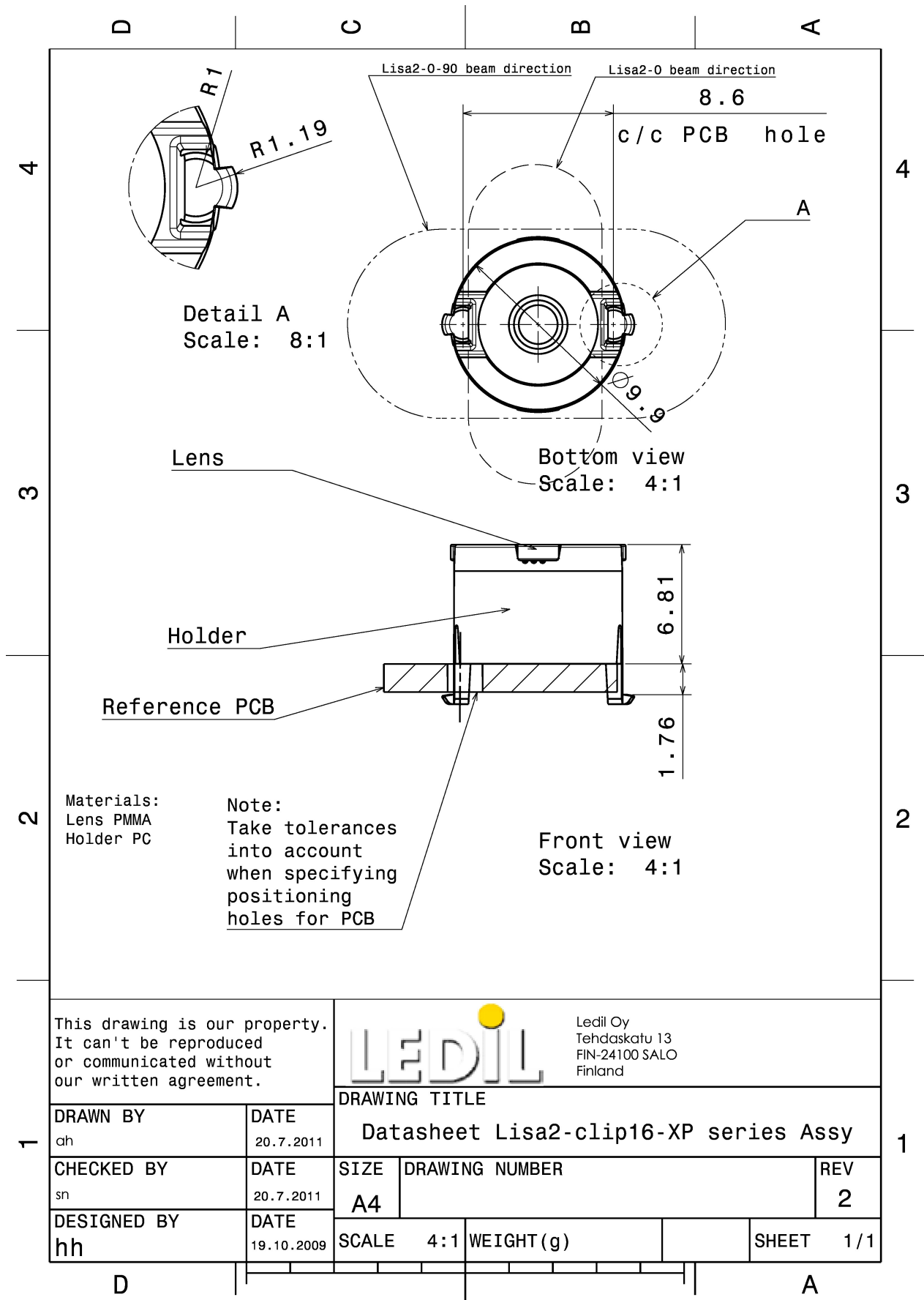
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DRAWING TITLE
Datasheet Lisa2-clip16-XP series Assy

DRAWN BY	DATE			
ah	20.7.2011			
CHECKED BY	DATE	SIZE	DRAWING NUMBER	REV
sn	20.7.2011	A4		2
DESIGNED BY	DATE	SCALE 4:1	WEIGHT(g)	SHEET 1/1
hh	19.10.2009			

See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XP-E
FWHM / FWTM	42.0° / 78.0°
Efficiency	91 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs
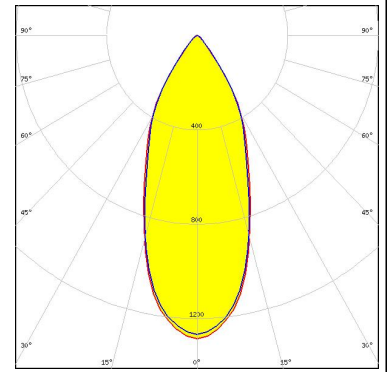
LED	XP-G
FWHM / FWTM	54.0° / 88.0°
Efficiency	90 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS
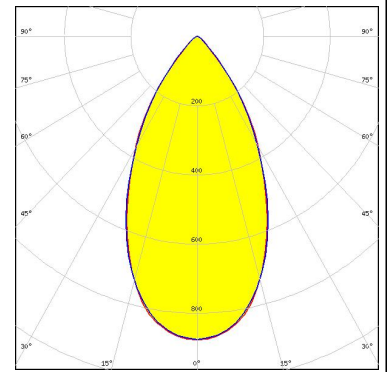
LED	LUXEON Z
FWHM / FWTM	28.0° / 70.0°
Efficiency	87 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS
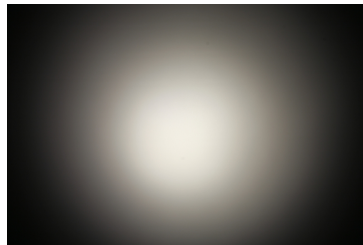
LED	LUXEON Z ES
FWHM / FWTM	35.0° / 73.0°
Efficiency	88 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
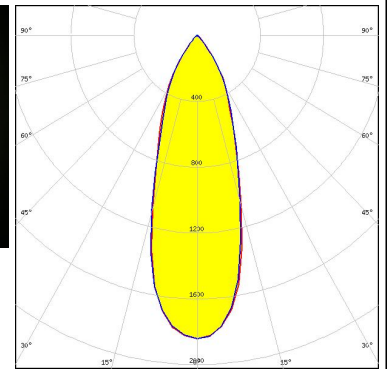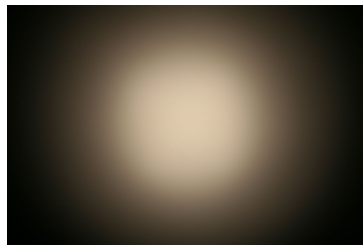
OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED	SFH 4170S
FWHM / FWTM	29.0° / 73.0°
Efficiency	%
LEDs/each optic	1
Light colour	IR
Required components:	

OSRAM
Opto Semiconductors

LED	SFH 4180S
FWHM / FWTM	27.0° / 71.0°
Efficiency	%
LEDs/each optic	1
Light colour	IR
Required components:	

OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	XQ-E HD
FWHM / FWTM	72.0° / 99.0°
Efficiency	90 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs

LED	XQ-E HI
FWHM / FWTM	27.0° / 72.0°
Efficiency	89 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

NICHIA
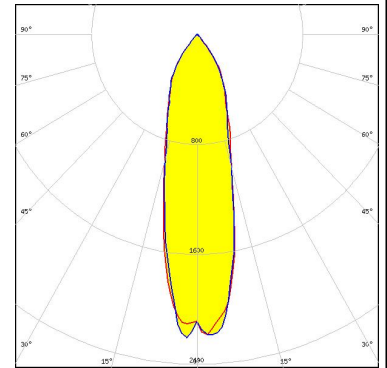
LED	NCSxE17A
FWHM / FWTM	31.0° / 68.0°
Efficiency	85 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	