LISA2-WWW-CLIP

~80° wide beam optimized for CREE XP-E. 7.0 mm high variant with clip installation.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 9.9 mm
Height	7 mm
Fastening	glue, clips
ROHS compliant	yes ⓘ

MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP11431_LISA2-WWW-CLIP	Single lens	2000	300	100	1.4

» Box size:

D   C   B   A

R1

R1.19

Lisa2-O-90 beam direction   Lisa2-O beam direction

8.6

c/c PCB hole

A

Detail A
Scale: 8:1

⌀9.9

Lens

Bottom view
Scale: 4:1

6.81

Holder

Reference PCB

1.76

Materials:
Lens PMMA
Holder PC

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

Front view
Scale: 4:1
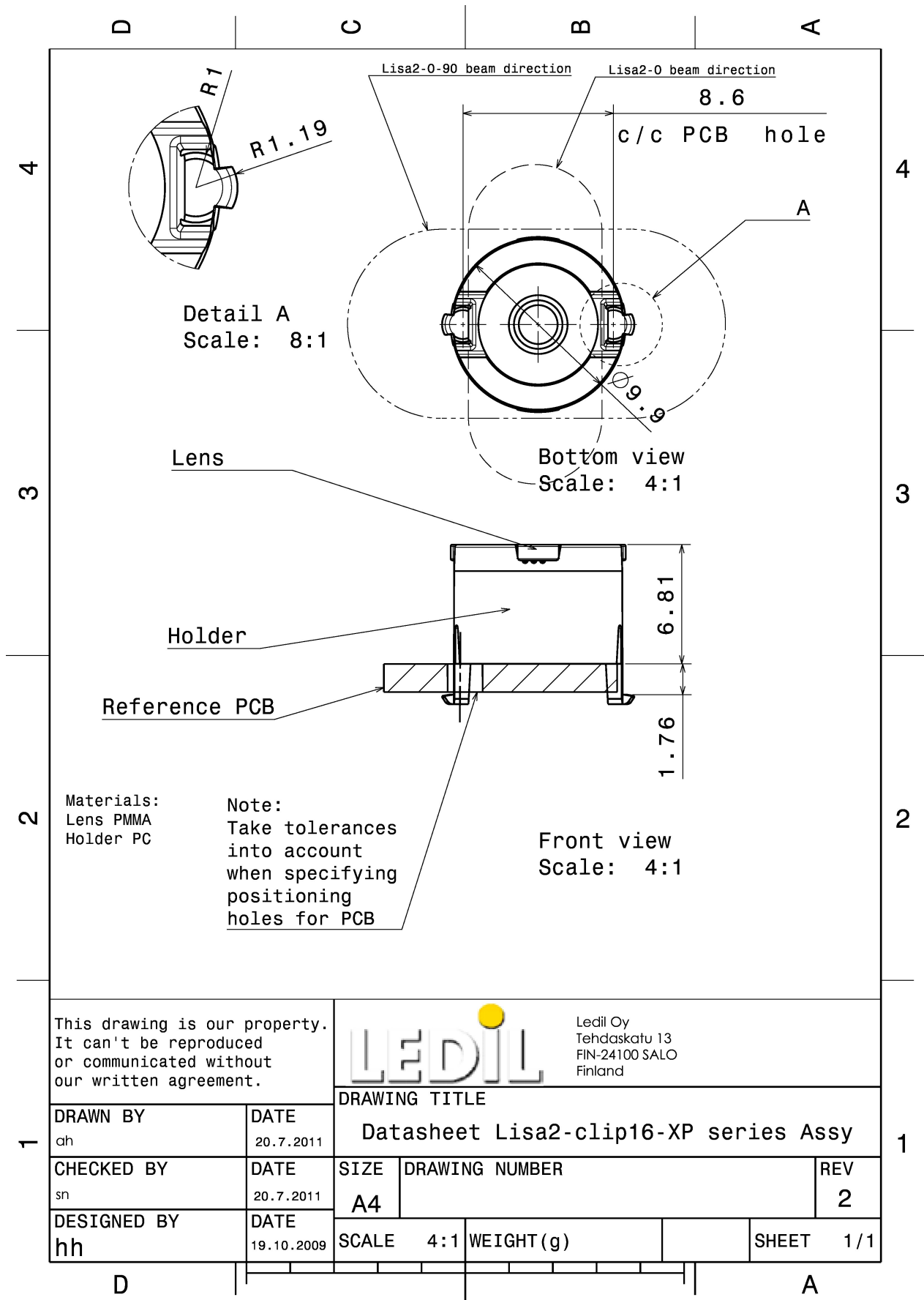
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LEDiL

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			

D   A

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

PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	XP-E
FWHM / FWTM	84.0°
Efficiency	77 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LED

LED	XP-G
FWHM / FWTM	86.0°
Efficiency	72 %
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS
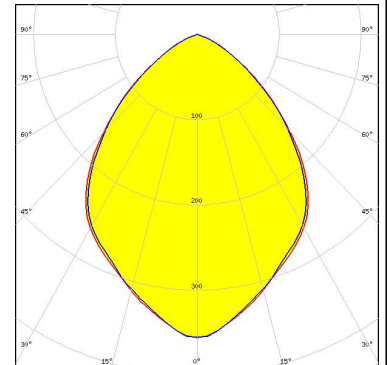
LED	LUXEON Rebel ES
FWHM / FWTM	74.0° / 113.0°
Efficiency	73 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors
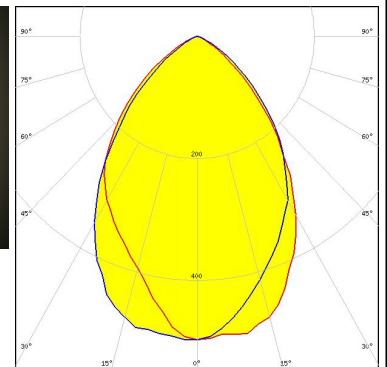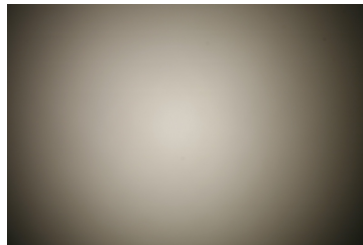
LED	SFH 4170S
FWHM / FWTM	76.0° / 116.0°
Efficiency	%
LEDs/each optic	1
Light colour	IR
Required components:	

PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED	SFH 4180S
FWHM / FWTM	75.0° / 114.0°
Efficiency	%
LEDs/each optic	1
Light colour	IR
Required components:	

PHOTOMETRIC DATA (SIMULATED):

CREE LED

LED	XQ-E HD
FWHM / FWTM	70.0° / 126.0°
Efficiency	81 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

NICHIA

LED	NCSxE17A
FWHM / FWTM	78.0° / 118.0°
Efficiency	73 %
Peak intensity	0.5 cd/lm
LEDs/each optic	4
Light colour	White
Required components:	

OSRAM Opto Semiconductors
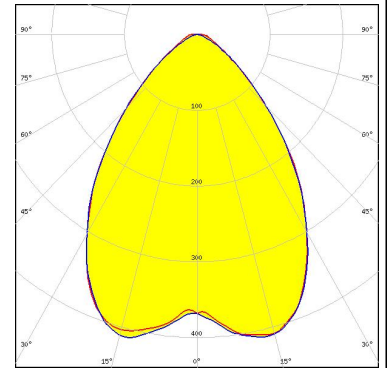
LED	SFH 4716S
FWHM / FWTM	35.0° / 126.0°
Efficiency	84 %
LEDs/each optic	1
Light colour	IR
Required components:	
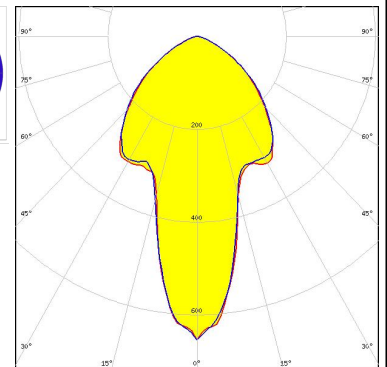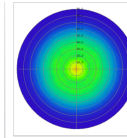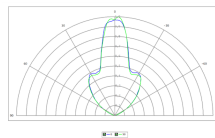
SEOUL SEMICONDUCTOR

LED	Z5
FWHM / FWTM	70.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (SIMULATED):

SHARP

LED	Double Dome (GM2BB)
FWHM / FWTM	70.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

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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