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)
FP13029_LISA2-WW-CLIP	Single lens	2000	300	100	1.4

» Box size:

D   C   B   A

R1
R1.19

Detail A
Scale: 8:1

8.6
c/c PCB hole

A

⌀9.9

Bottom view
Scale: 4:1

Lens

6.81

Holder

1.6
PCB

1.76

Materials:
Lens PMMA
Holder PC

Note:
Take tolerances
into account
when specifying
holes for PCB

Front view
Scale: 4:1
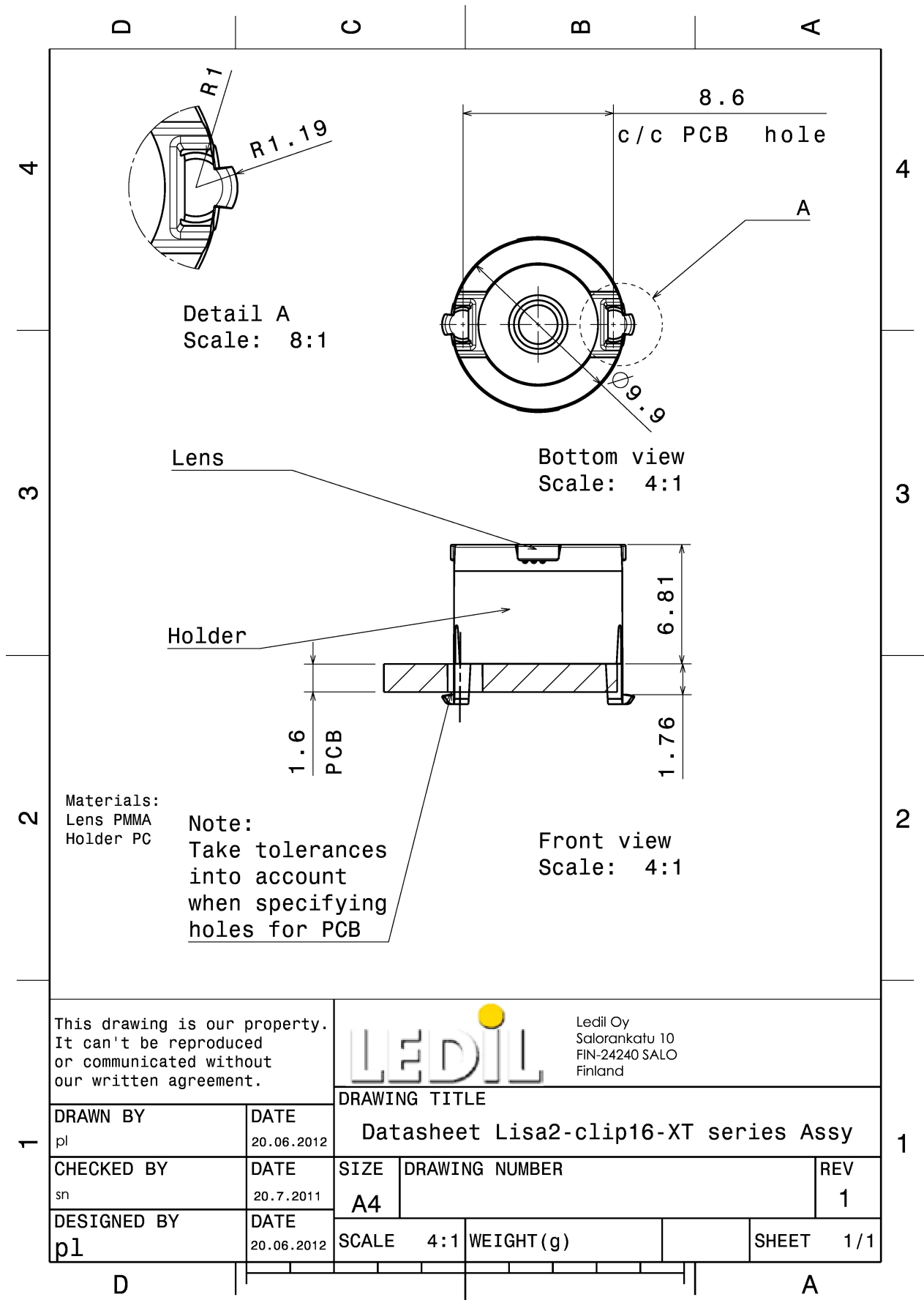
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LEDiL

DRAWING TITLE
Datasheet Lisa2-clip16-XT series Assy

DRAWN BY	DATE			
pl	20.06.2012			
CHECKED BY	DATE	SIZE	DRAWING NUMBER	REV
sn	20.7.2011	A4		1
DESIGNED BY	DATE	SCALE 4:1	WEIGHT(g)	SHEET 1/1
pl	20.06.2012			

D   A

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

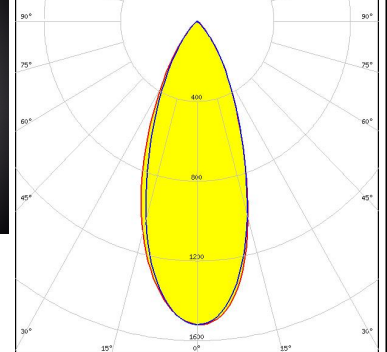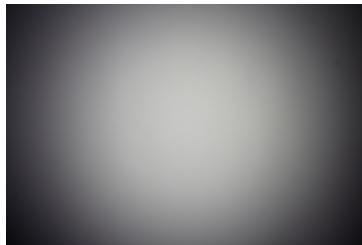## OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XP-E2
FWHM / FWTM	43.0° / 79.0°
Efficiency	88 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs
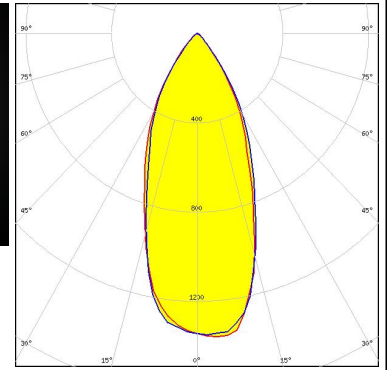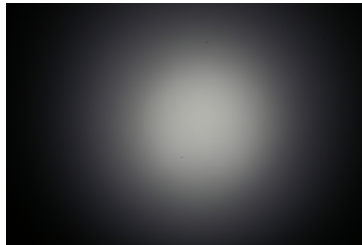
LED	XP-G2
FWHM / FWTM	47.0° / 83.0°
Efficiency	88 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs
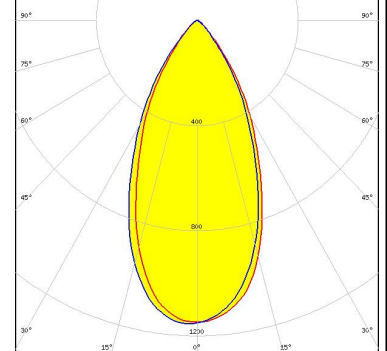
LED	XP-G3
FWHM / FWTM	42.0° / 76.0°
Efficiency	84 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs

LED	XT-E
FWHM / FWTM	47.0° / 82.0°
Efficiency	84 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
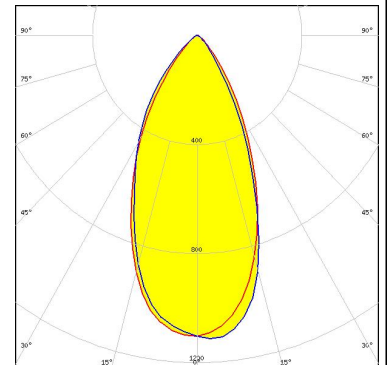
OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON CZ
FWHM / FWTM	29.0° / 76.0°
Efficiency	86 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
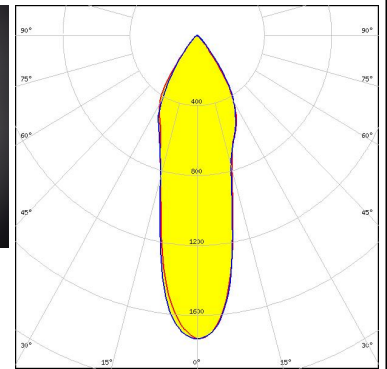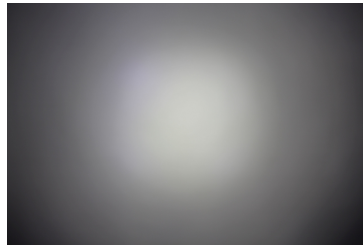
NICHIA

LED	NCSxx19B
FWHM / FWTM	41.0° / 78.0°
Efficiency	86 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
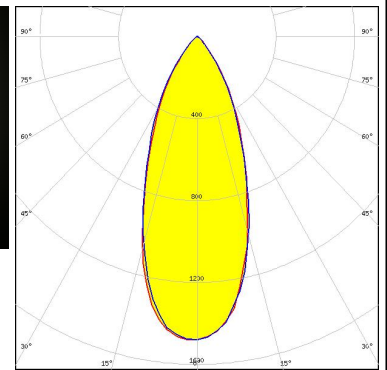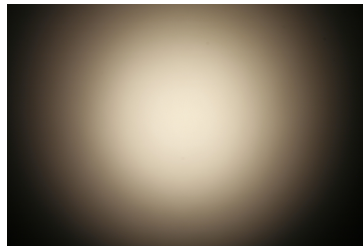
OSRAM
Opto Semiconductors

LED	OSLON Square EC
FWHM / FWTM	46.0° / 86.0°
Efficiency	84 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
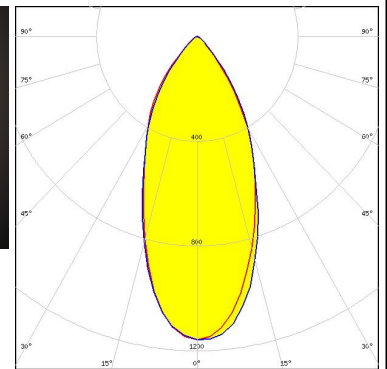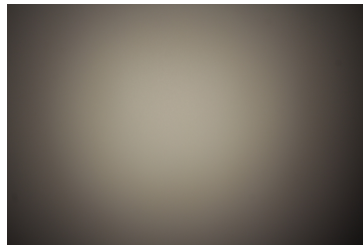
SAMSUNG

LED	LH351B
FWHM / FWTM	67.0° / 96.0°
Efficiency	88 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
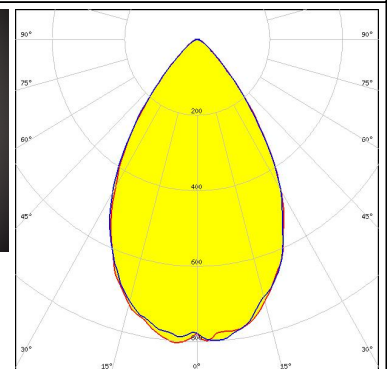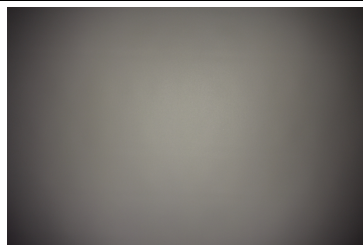
OPTICAL RESULTS (MEASURED):

SAMSUNG

LED	LH351Z
FWHM / FWTM	60.0° / 91.0°
Efficiency	90 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (SIMULATED):

CREE LEDs
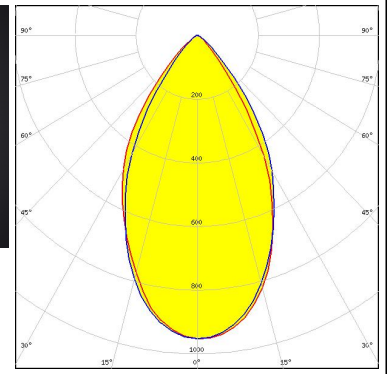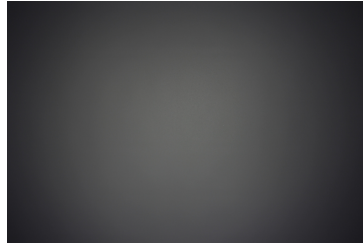
LED	XP-G2 HE
FWHM / FWTM	69.0° / 100.0°
Efficiency	88 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS
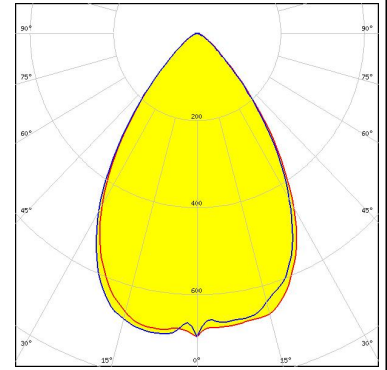
LED	LUXEON IR Compact
FWHM / FWTM	51.0° / 83.0°
Efficiency	84 %
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS
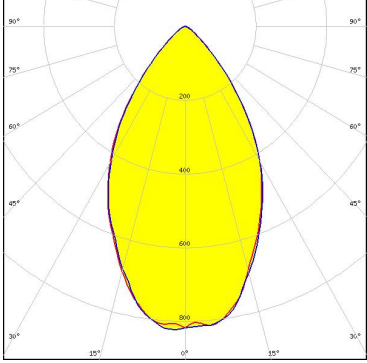
LED	LUXEON Q
FWHM / FWTM	54.0° / 84.0°
Efficiency	84 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

NICHIA

LED	NCSxE17A
FWHM / FWTM	34.0° / 74.0°
Efficiency	85 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (SIMULATED):

NICHIA

LED	NVSW519A
FWHM / FWTM	62.0° / 96.0°
Efficiency	85 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM / FWTM	50.0° / 88.0°
Efficiency	86 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	