

LISA2-M-CLIP

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

SPECIFICATION:

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

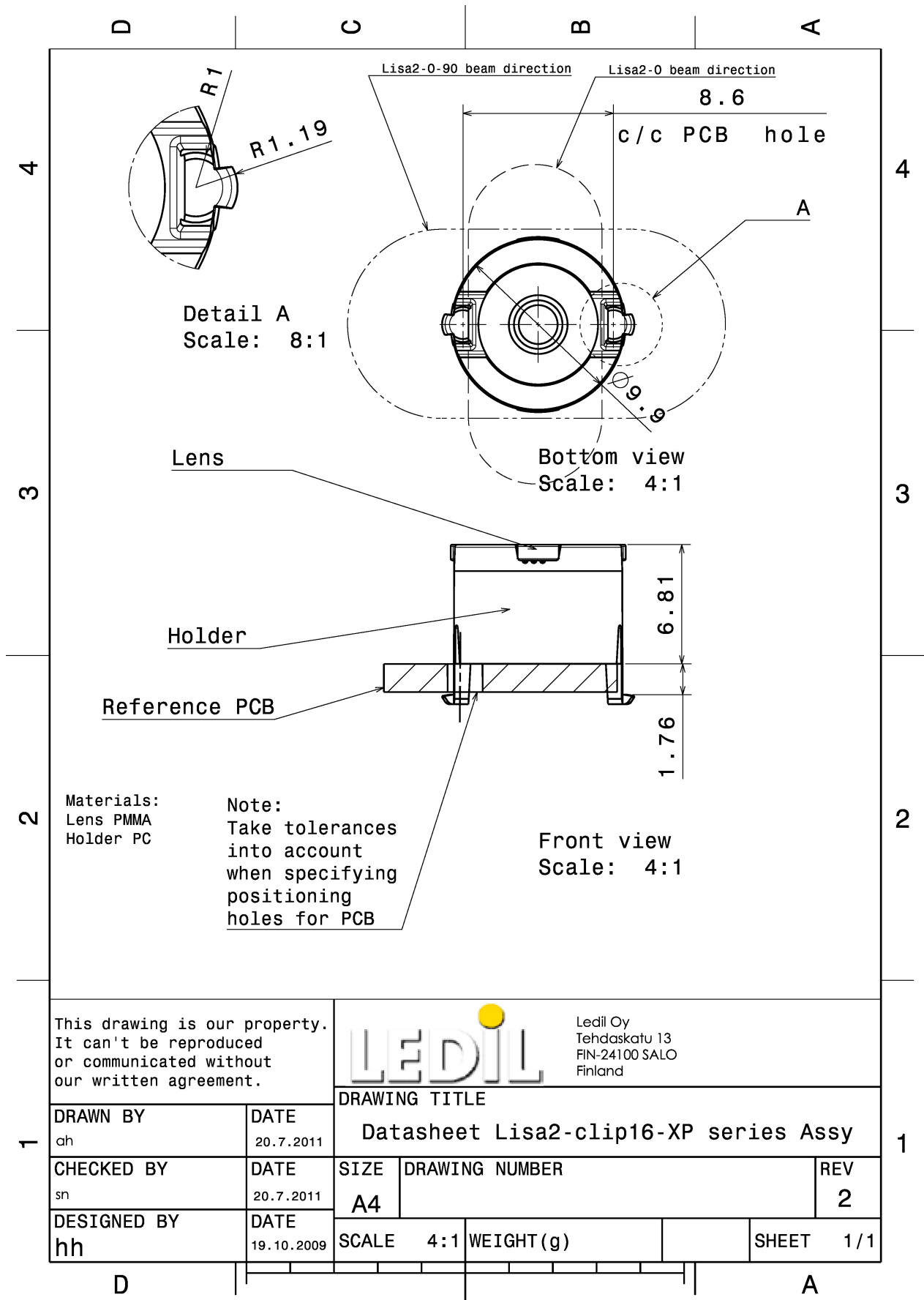


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
LISA2-M	Single lens	PMMA	clear		
LISA2-HLD-CLIP16-XP	Holder	PC	black		

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP11075_LISA2-M-CLIP	Single lens	2000	300	100	1.4
» Box size:					



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

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

OPTICAL RESULTS (MEASURED):



LED XP-E
FWHM / FWTM 24.0°
Efficiency 92 %
LEDs/each optic 1
Light colour/type White
Required components:

[Light distribution files](#)



LED XP-G
FWHM / FWTM 34.0°
Efficiency 92 %
LEDs/each optic 1
Light colour/type White
Required components:

[Light distribution files](#)



LED LUXEON Z
FWHM / FWTM 19.0° / 41.0°
Efficiency 86 %
Peak intensity 5.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:


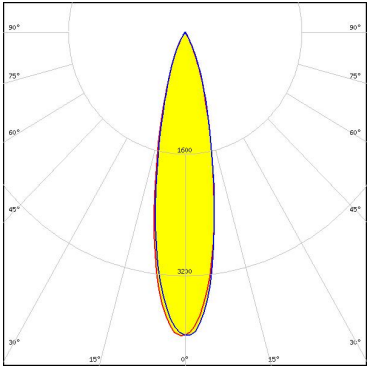


[Light distribution files](#)

OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON Z ES
FWHM / FWTM	23.0° / 48.0°
Efficiency	87 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OSRAM
Opto Semiconductors

LED	SFH 4170S
FWHM / FWTM	13.0° / 37.0°
Efficiency	%
LEDs/each optic	1
Light colour/type	IR
Required components:	

Light distribution files

OSRAM
Opto Semiconductors

LED	SFH 4180S
FWHM / FWTM	13.0° / 36.0°
Efficiency	%
LEDs/each optic	1
Light colour/type	IR
Required components:	

Light distribution files

OPTICAL RESULTS (MEASURED):

SHARP

LED	Double Dome (GM2BB)
FWHM / FWTM	28.0°
Efficiency	%
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OPTICAL RESULTS (SIMULATED):

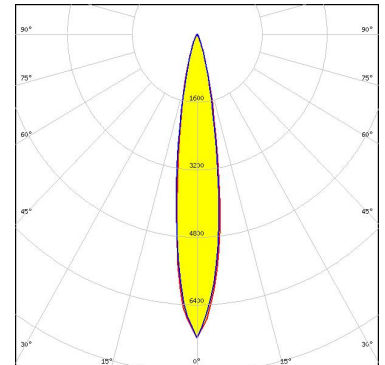


LED XQ-E HD
FWHM / FWTM 27.5° / 63.0°
Efficiency 91 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files



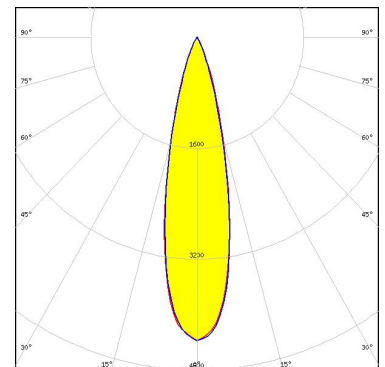
LED XQ-E HI
FWHM / FWTM 17.0° / 35.0°
Efficiency 89 %
Peak intensity 7.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED SST-10-B130
FWHM / FWTM 24.0° / 45.0°
Efficiency 93 %
Peak intensity 4.4 cd/lm
LEDs/each optic 1
Light colour/type Green
Required components:

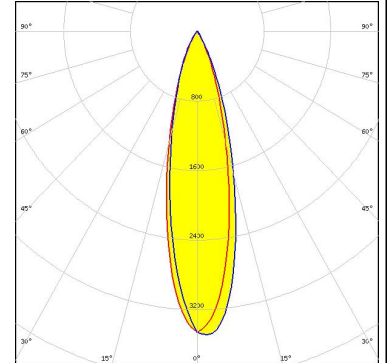
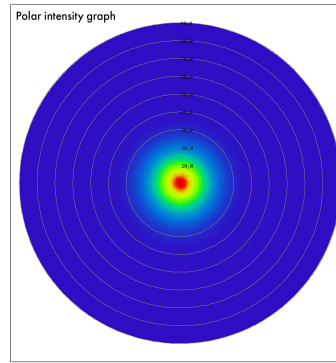


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED SFH 4770S
FWHM / FWTM 20.0° / 43.0°
Efficiency 92 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files

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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