

LISA2-O-90-CLIP

~20° x 50° turned oval 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 ⓘ

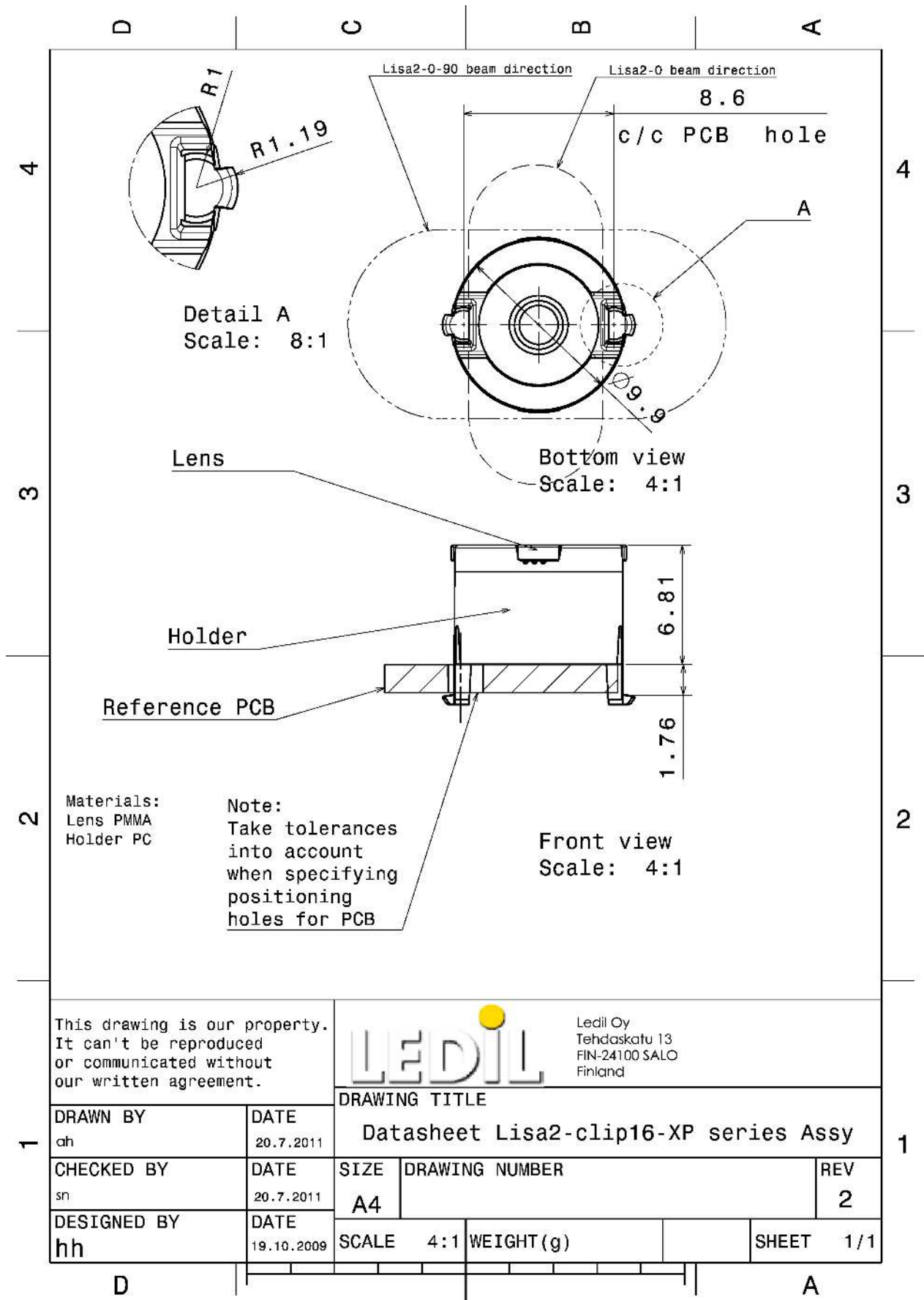


MATERIALS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP11856_LISA2-O-90-CLIP	Single lens	2000		100	1.4
» Box size:					



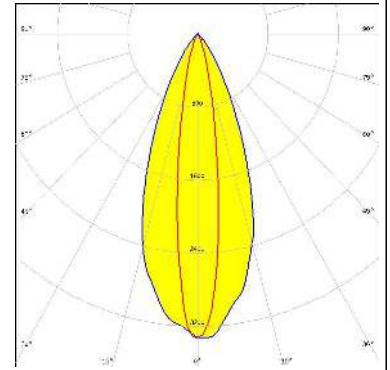
This drawing is our property. It can't be reproduced or communicated without our written agreement.				Ledil Oy Tehdaskatu 13 FIN-24100 SALO Finland	
DRAWN BY ah		DATE 20.7.2011		DRAWING TITLE Datasheet Lisa2-clip16-XP series Assy	
CHECKED BY sn		DATE 20.7.2011		SIZE A4	DRAWING NUMBER
DESIGNED BY hh		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):



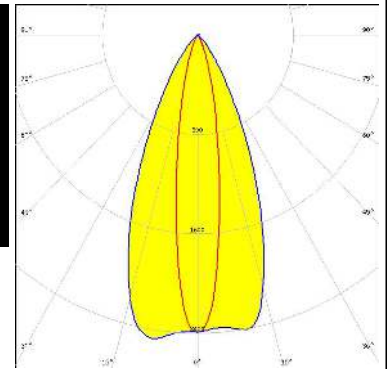
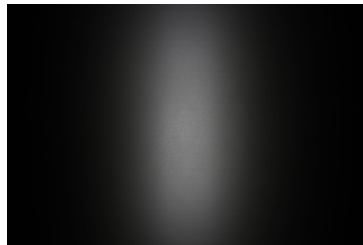
LED XP-E
 FWHM / FWTM 48.0 + 18.0°
 Efficiency 83 %
 LEDs/each optic 1
 Light colour White
 Required components:



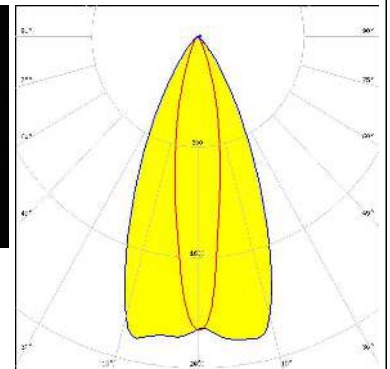
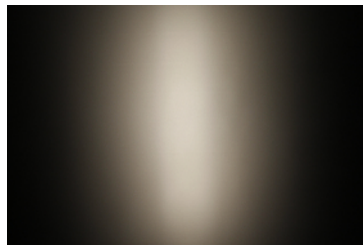
LED XP-G
 FWHM / FWTM 48.0 + 18.0°
 Efficiency 86 %
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON C
 FWHM / FWTM 17.0 + 47.0° / 39.0 + 75.0°
 Efficiency 80 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON Z ES
 FWHM / FWTM 18.0 + 49.0° / 44.0 + 77.0°
 Efficiency 80 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED SFH 4170S
FWHM / FWTM 13.0 + 46.0° / 39.0 + 74.0°
Efficiency %
LEDs/each optic 1
Light colour IR
Required components:

OSRAM
Opto Semiconductors

LED SFH 4180S
FWHM / FWTM 13.0 + 48.0° / 39.0 + 73.0°
Efficiency %
LEDs/each optic 1
Light colour IR
Required components:

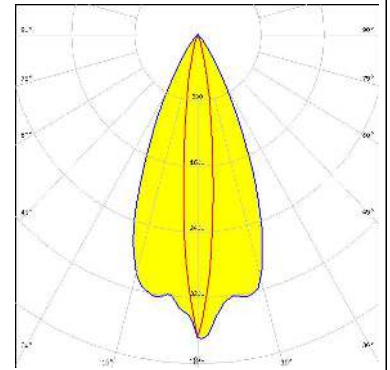
OPTICAL RESULTS (SIMULATED):

CREE → LED

LED	XQ-E HD
FWHM / FWTM	40.0 + 13.0° / 69.0 + 32.0°
Efficiency	86 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE → LED

LED	XQ-E HI
FWHM / FWTM	46.0 + 11.0° / 68.0 + 28.0°
Efficiency	83 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SHARP

LED	Double Dome (GM2BB)
FWHM / FWTM	48.0 + 20.0°
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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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