LISA2-WW-CLIP

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



TECHNICAL SPECIFICATIONS:

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

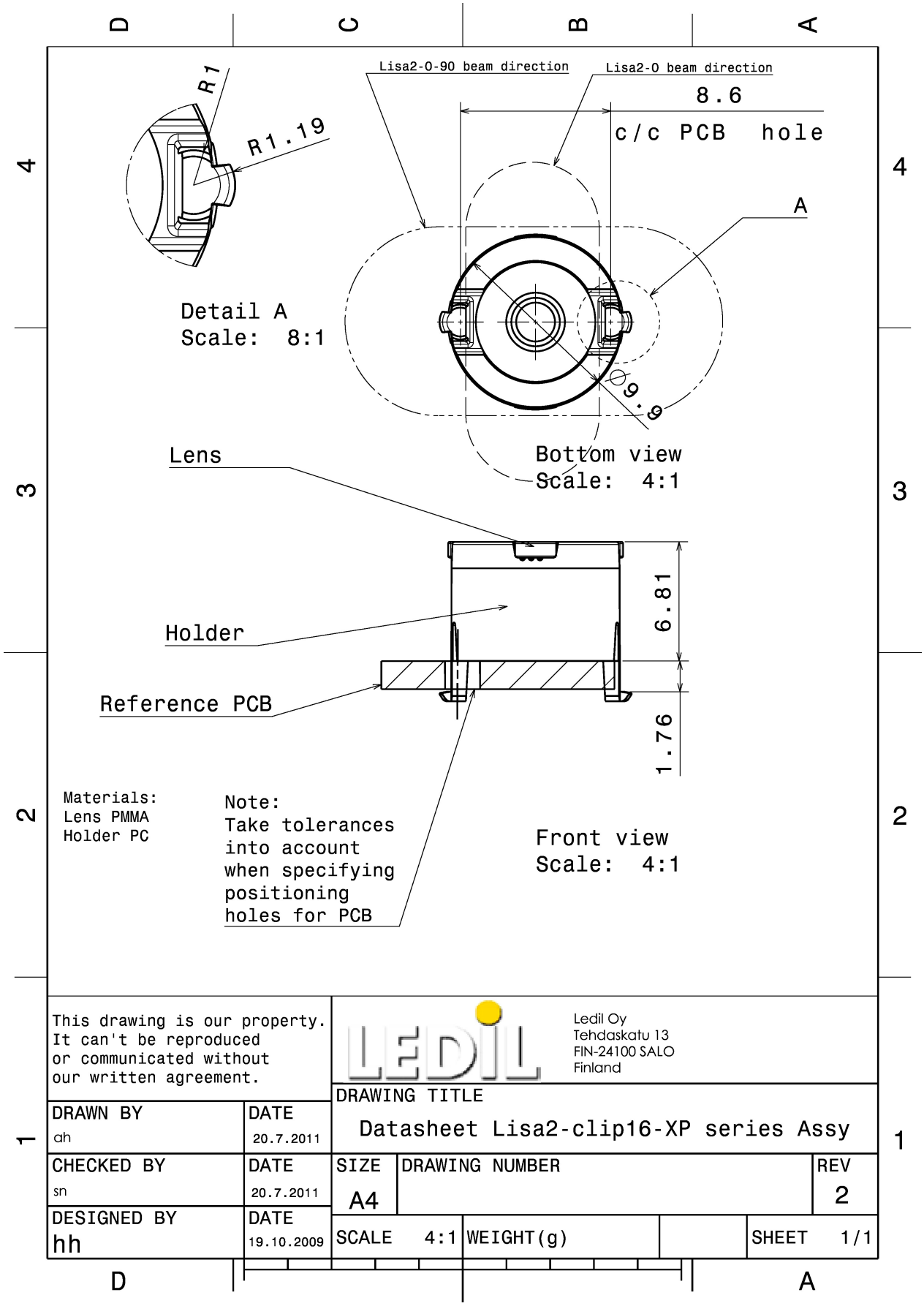
MATERIAL SPECIFICATIONS:

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:					

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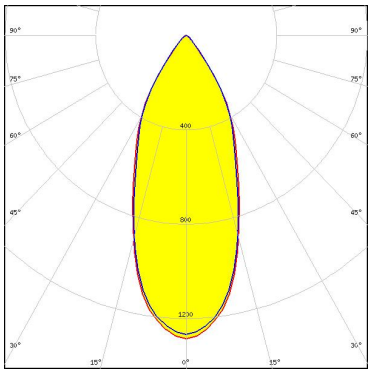


See also our general installation guide: www.ledil.com/installation_guide

PHOTOMETRIC DATA (MEASURED):

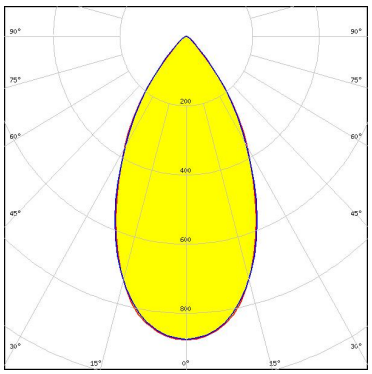
CREE LED

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 LED

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:	



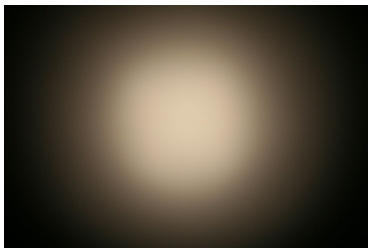
LUMILEDS

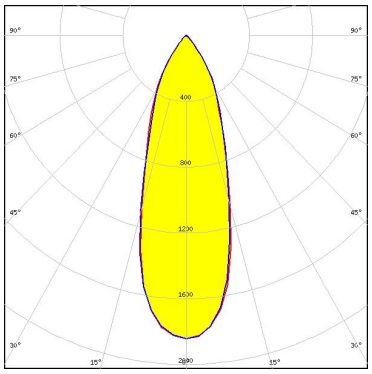
LED	LUXEON Z
FWHM / FWTM	28.0° / 70.0°
Efficiency	87 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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:	





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PHOTOMETRIC DATA (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:	

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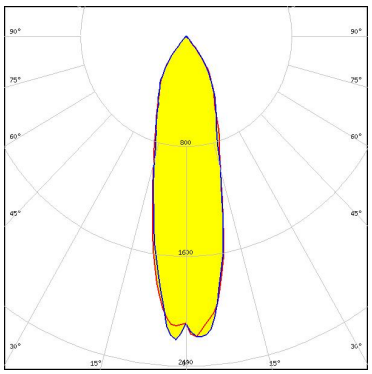
PHOTOMETRIC DATA (SIMULATED):

CREE LED

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:	

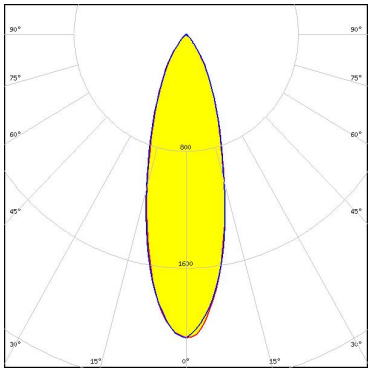
CREE LED

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:	



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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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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