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

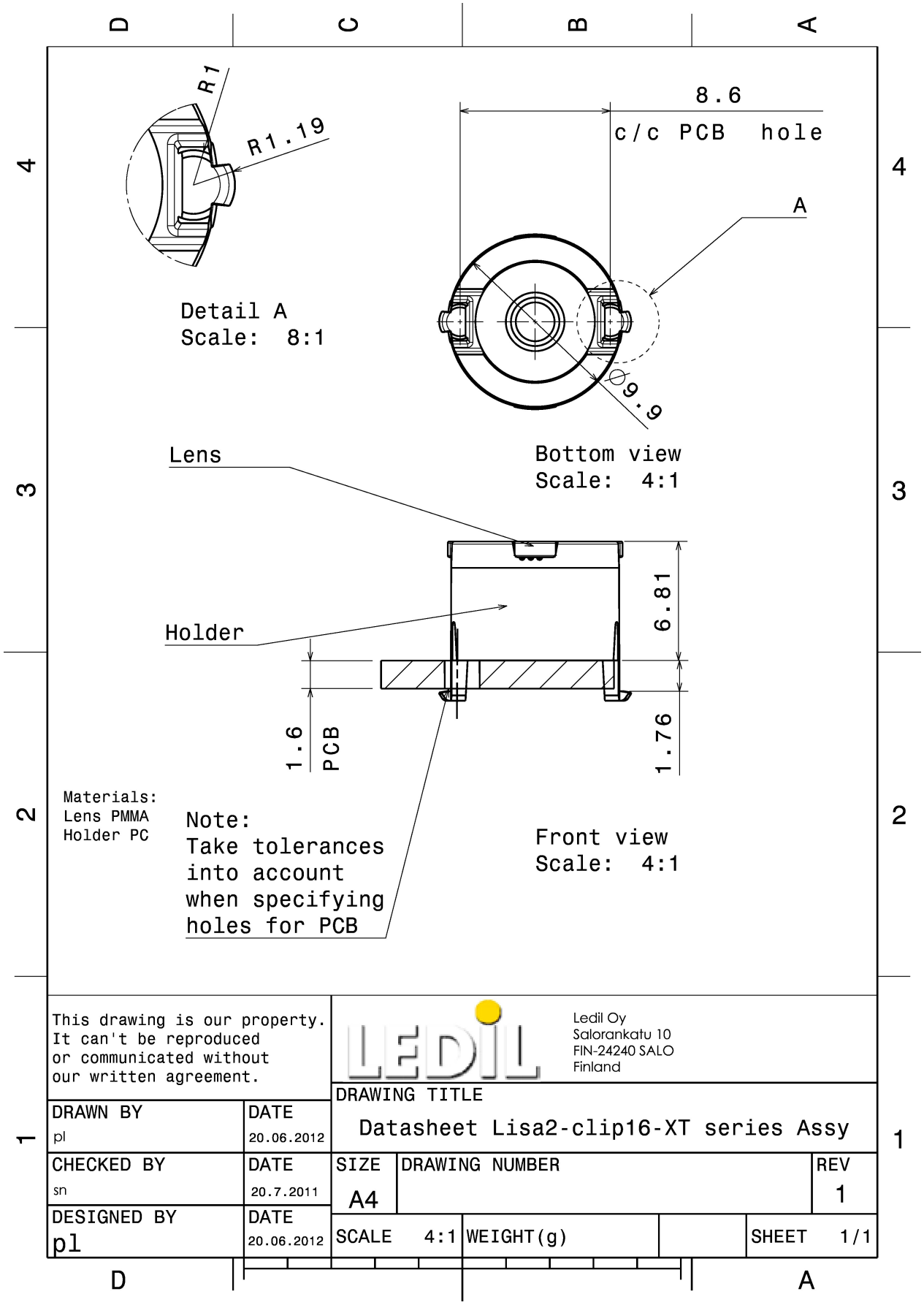
MATERIALS:

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:					

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

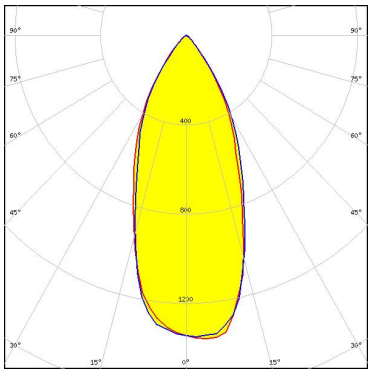
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OPTICAL RESULTS (MEASURED):

CREE LEDs

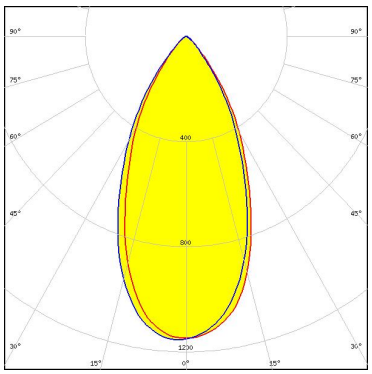
LED	XP-E2
FWHM / FWTM	43.0° / 79.0°
Efficiency	88 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





CREE LEDs

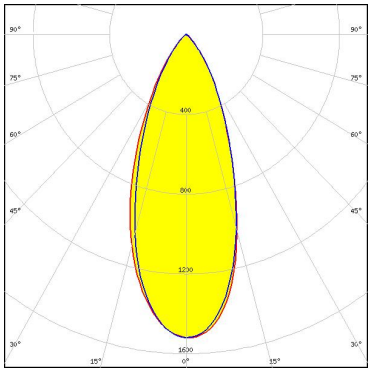
LED	XP-G2
FWHM / FWTM	47.0° / 83.0°
Efficiency	88 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LEDs

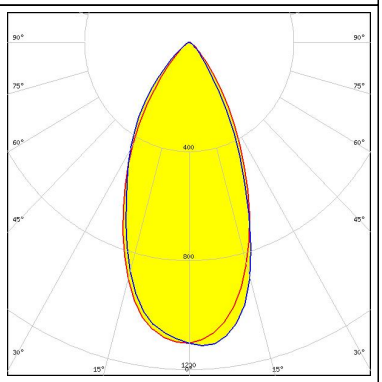
LED	XP-G3
FWHM / FWTM	42.0° / 76.0°
Efficiency	84 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





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:	



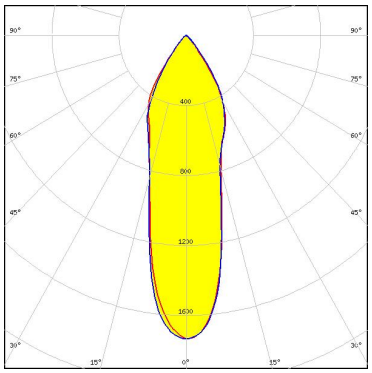
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OPTICAL RESULTS (MEASURED):

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:	

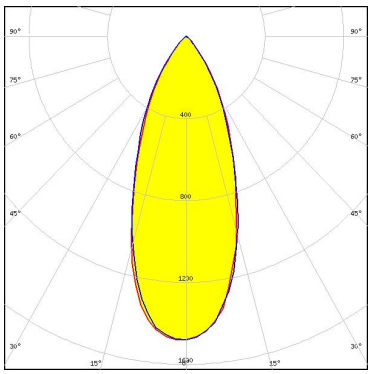




NICHIA

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:	

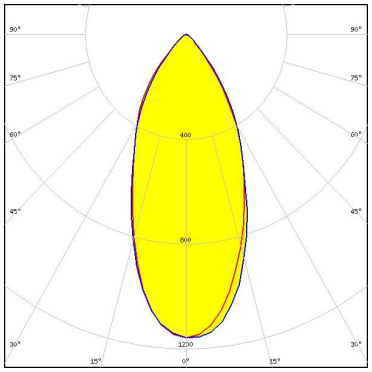




OSRAM
Opto Semiconductors

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:	

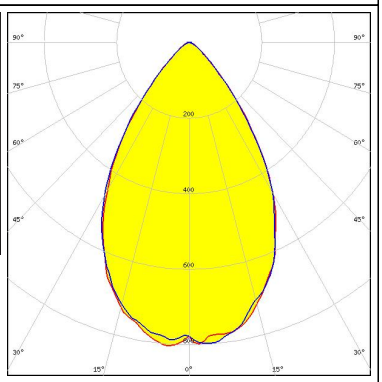




SAMSUNG

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:	





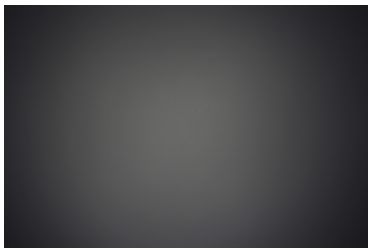
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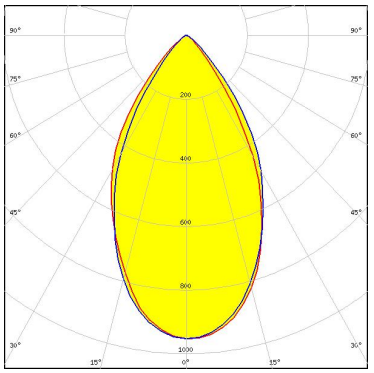
OPTICAL RESULTS (MEASURED):

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:



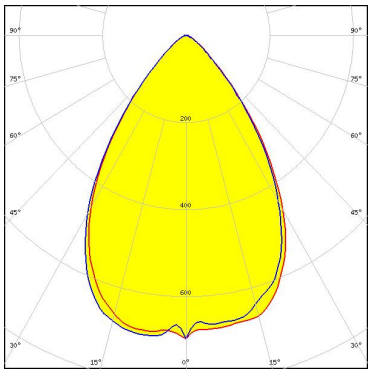


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OPTICAL RESULTS (SIMULATED):

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

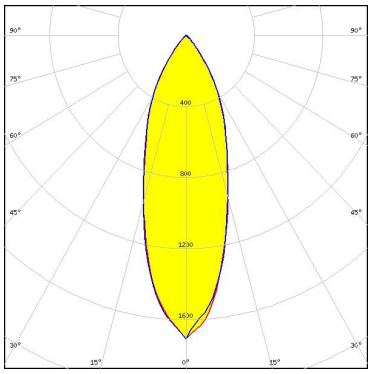
LED	LUXEON IR Compact
FWHM / FWTM	51.0° / 83.0°
Efficiency	84 %
LEDs/each optic	1
Light colour	White
Required components:	

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:	

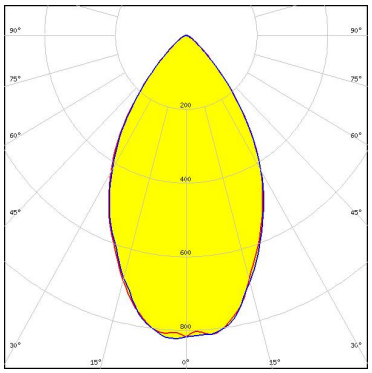


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OPTICAL RESULTS (SIMULATED):

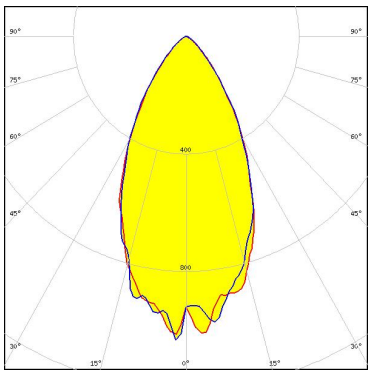
NICHIA

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:	



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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.

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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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