LARISA-WW-CLIP16

~55° wide beam. Clip fastening for 1.6 mm thick PCB



SPECIFICATION:

Dimensions	10.0 x 10.0 mm
Height	7.5 mm
Fastening	glue, clips
ROHS compliant	yes

MATERIALS:

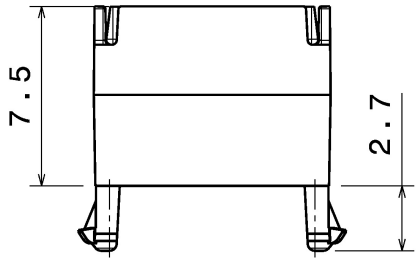
Component	Type	Material	Colour	Finish
LARISA-WW	Single lens	PMMA	clear	
LARISA-HOLDER-CLIP16	Holder	PC	black	

ORDERING INFORMATION:

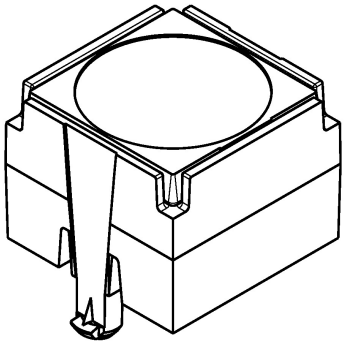
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP12947_LARISA-WW-CLIP16 » Box size: 300 x 250 x 250 mm	Single lens	10000	300	100	0.0

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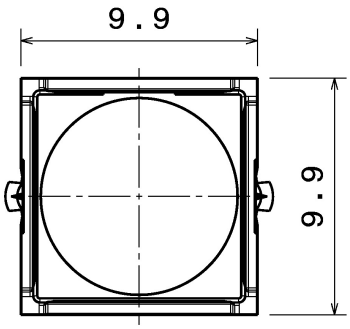
Designed for the following pin hole dimensions: Hole diameter 1.95mm
Hole distance 8.6mm
PCB thickness 1.6mm



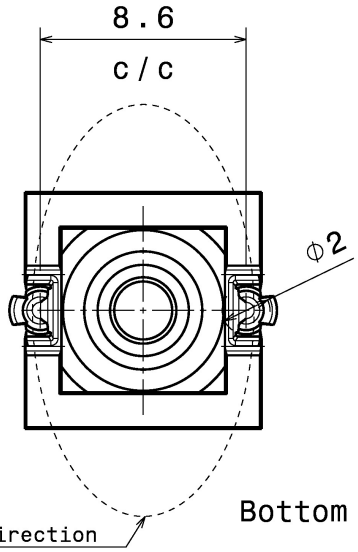
Front view



Isometric view
Scale: 4:1



Top view



Bottom view

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	-	LARISA lens	PMMA	
2	C12908	LARISA-HOLDER-CLIP16	PC	black

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

THIRD ANGLE PROJECTION:

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Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
LARISA-CLIP16 series

SIZE A4 | PART NUMBER -

SCALE 4:1 | WEIGHT 0,6 g | SHEET 1/1

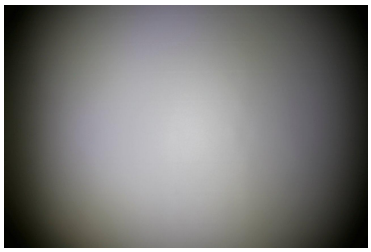
See also our general installation guide: www.ledil.com/installation_guide

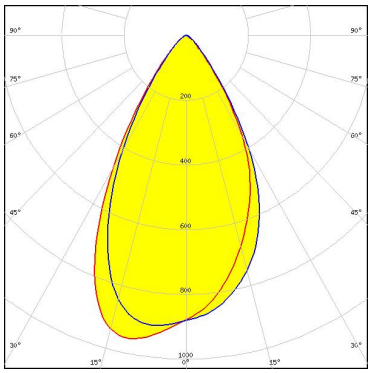
OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XB-D
FWHM / FWTM	57.0° / 86.0°
Efficiency	84 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

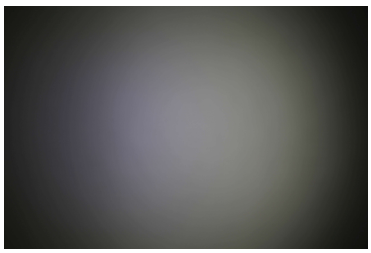


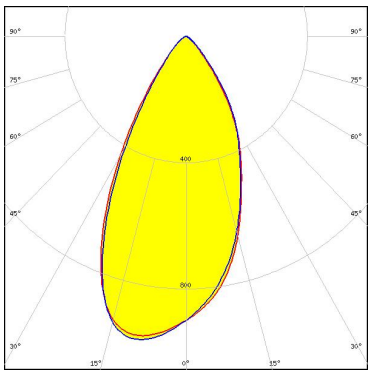


CREE LEDs

LED	XD16
FWHM / FWTM	50.0° / 85.0°
Efficiency	79 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

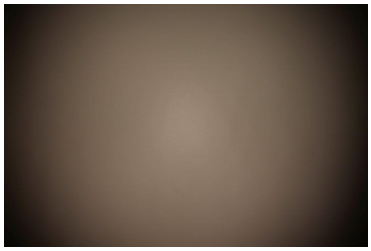


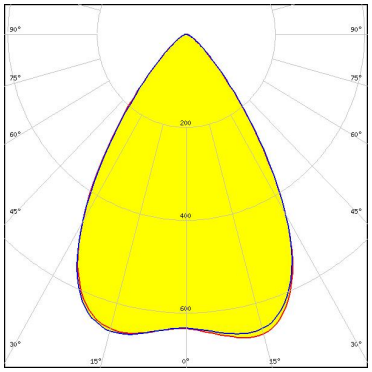


LUMILEDS

LED	LUXEON A
FWHM / FWTM	70.0° / 99.0°
Efficiency	85 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

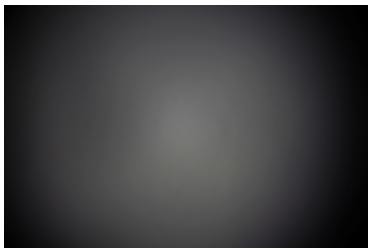


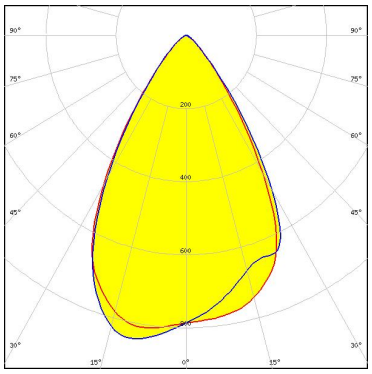


LUMILEDS

LED	LUXEON Rebel
FWHM / FWTM	62.0° / 90.0°
Efficiency	88 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



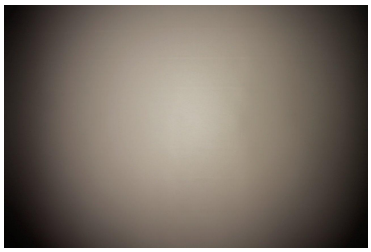


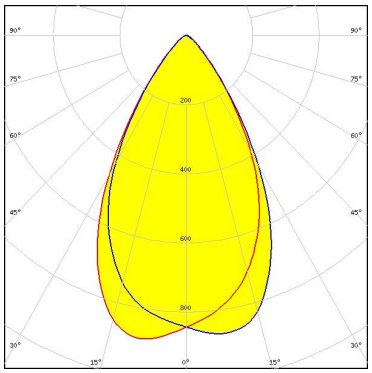
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OPTICAL RESULTS (MEASURED):

LUMILEDS

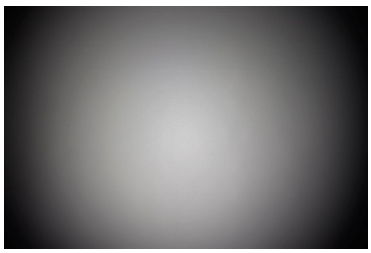
LED	LUXEON Rebel ES
FWHM / FWTM	60.0° / 90.0°
Efficiency	86 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

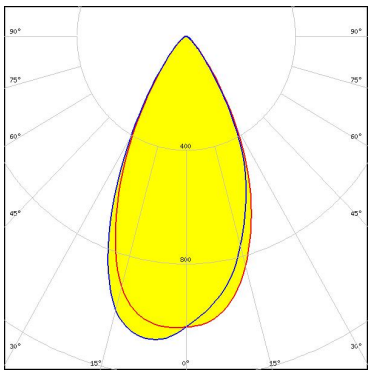




NICHIA

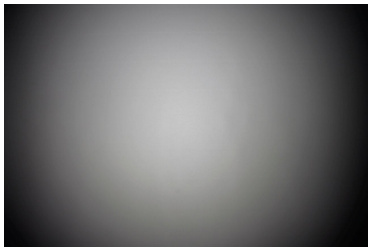
LED	NCSxx19A
FWHM / FWTM	52.0° / 82.0°
Efficiency	83 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

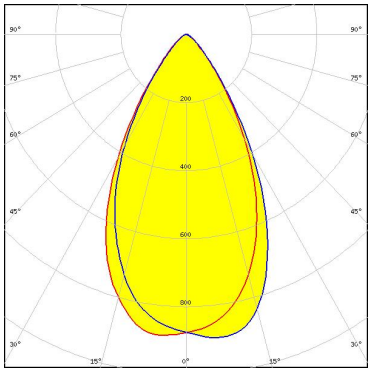




NICHIA

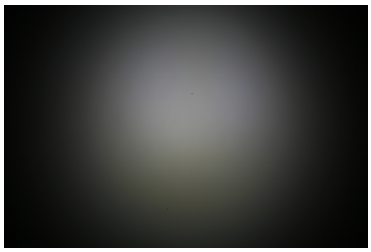
LED	NVSxx19A
FWHM / FWTM	57.0° / 88.0°
Efficiency	82 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

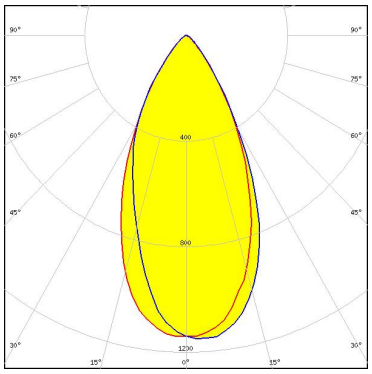




OSRAM
Opto Semiconductors

LED	Duris S5 (2 chip)
FWHM / FWTM	50.0° / 84.0°
Efficiency	86 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





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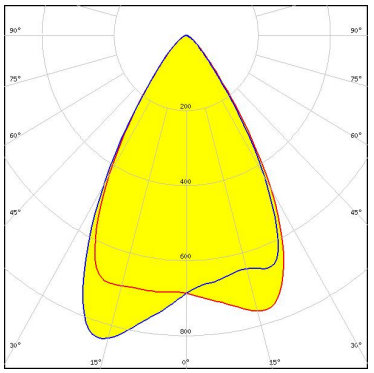
OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED	OSLON SSL 80
FWHM / FWTM	66.0° / 92.0°
Efficiency	84 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



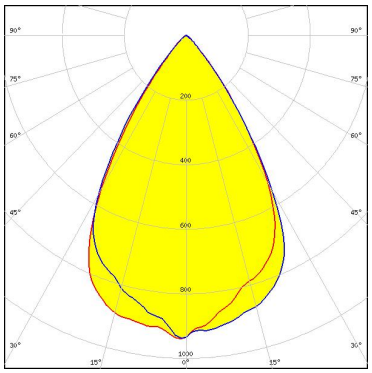


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OPTICAL RESULTS (SIMULATED):

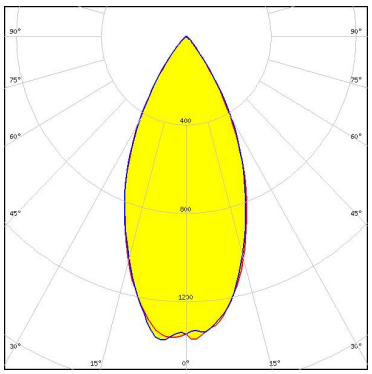
LUMILEDS

LED	LUXEON Rebel
FWHM / FWTM	63.0° / 85.0°
Efficiency	93 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	Green
Required components:	



OSRAM
Opto Semiconductors

LED	OSCONIQ P 2226
FWHM / FWTM	48.0° / 77.0°
Efficiency	91 %
Peak intensity	1.4 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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