LARISA-W-CLIP16

~50° wide beam. Clip fastening for 1.6 mm thick PCB



TECHNICAL SPECIFICATIONS:

Dimensions	9.9 x 9.9 mm
Height	7.5 mm
Fastening	glue, clips
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

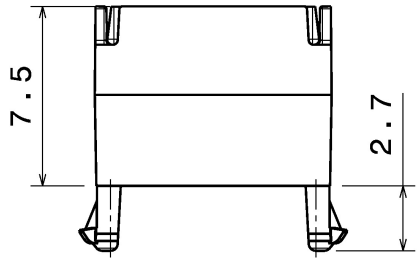
Component	Type	Material	Colour	Finish
LARISA-W	Single lens	PMMA	clear	
LARISA-HOLDER-CLIP16	Holder	PC	black	

ORDERING INFORMATION:

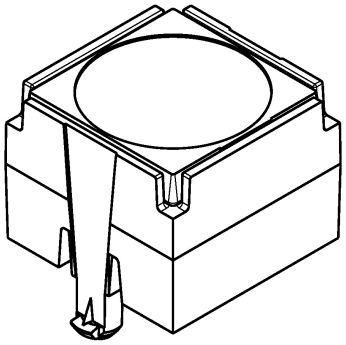
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP12945_LARISA-W-CLIP16 » Box size: 300 x 250 x 250 mm	Single lens	10000	300	100	6.6

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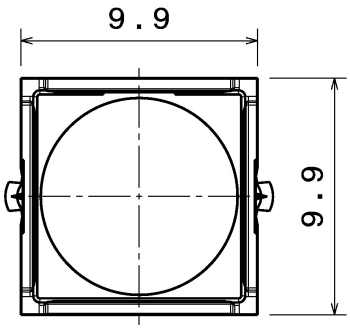
Designed for the following pin hole dimensions: Hole diameter 1.95mm
Hole distance 8.6mm
PCB thickness 1.6mm



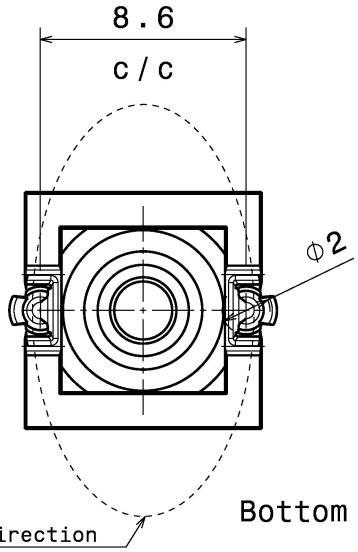
Front view



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

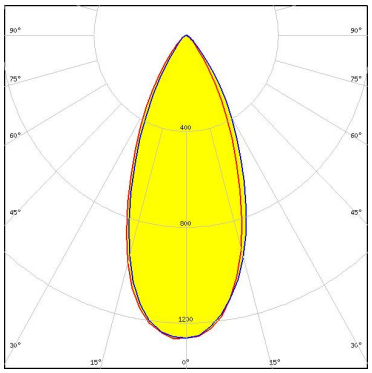
PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	XB-D
FWHM / FWTM	45.0° / 78.0°
Efficiency	84 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



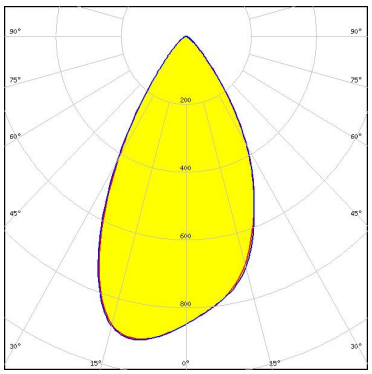


CREE LED

LED	XD16
FWHM / FWTM	56.0° / 86.0°
Efficiency	80 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



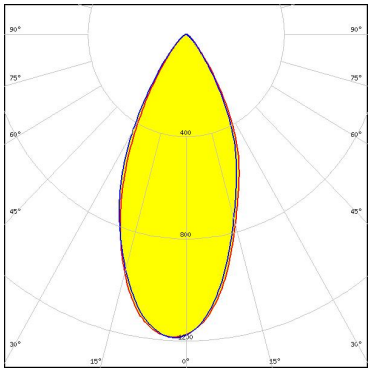


CREE LED

LED	XQ-E HD
FWHM / FWTM	46.0° / 80.0°
Efficiency	84 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:





CREE LED

LED	XQ-E HI
FWHM / FWTM	36.0° / 72.0°
Efficiency	79 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

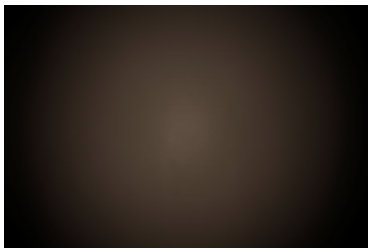


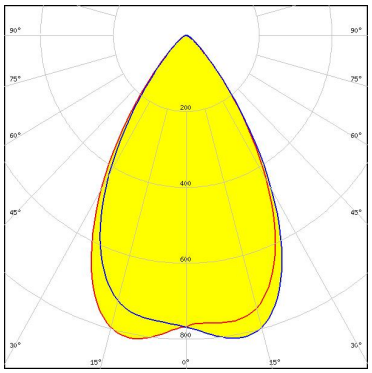
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PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON A
FWHM / FWTM	63.0° / 91.0°
Efficiency	86 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

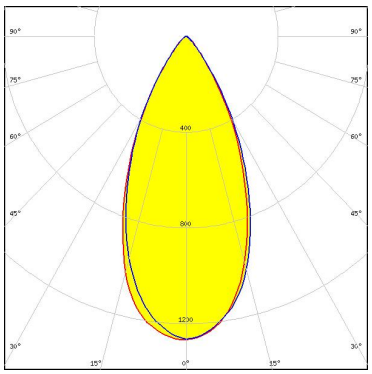




LUMILEDS

LED	LUXEON Rebel
FWHM / FWTM	47.0° / 78.0°
Efficiency	88 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

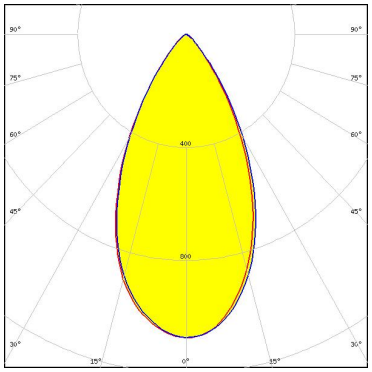




LUMILEDS

LED	LUXEON Rebel ES
FWHM / FWTM	52.0° / 85.0°
Efficiency	87 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





LUMILEDS

LED	LUXEON Z
FWHM / FWTM	32.0° / 68.0°
Efficiency	85 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



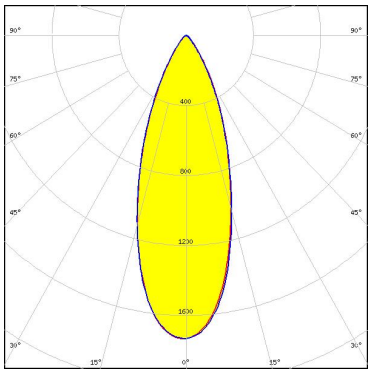
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PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON Z ES
FWHM / FWTM	37.0° / 69.0°
Efficiency	88 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

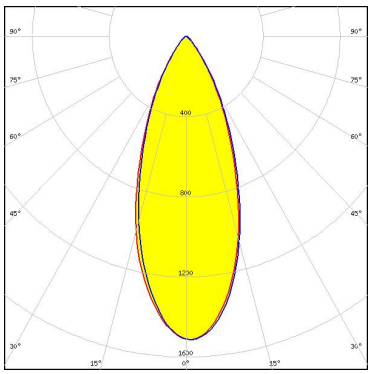




NICHIA

LED	NCSxx19A
FWHM / FWTM	39.0° / 73.0°
Efficiency	85 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

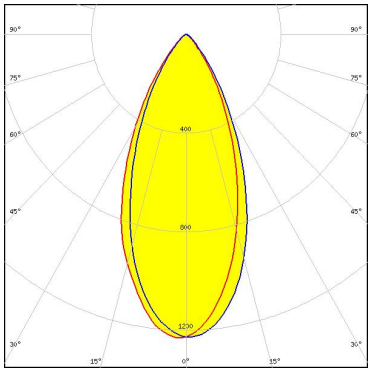




NICHIA

LED	NVSxx19A
FWHM / FWTM	45.0° / 80.0°
Efficiency	84 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

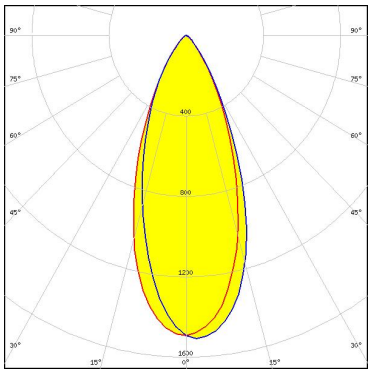




OSRAM
Opto Semiconductors

LED	Duris S5 (2 chip)
FWHM / FWTM	41.0° / 76.0°
Efficiency	85 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





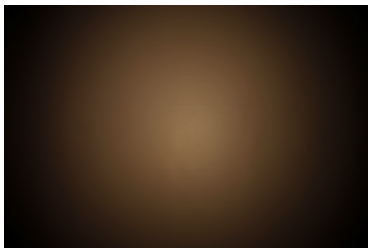
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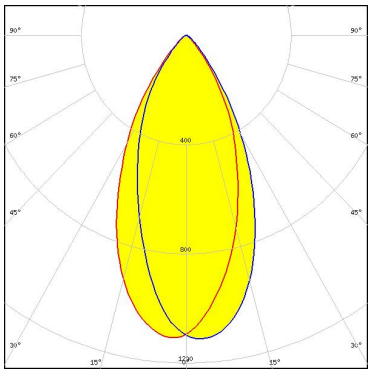
PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED	OSLON Square EC
FWHM / FWTM	46.0° / 83.0°
Efficiency	82 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

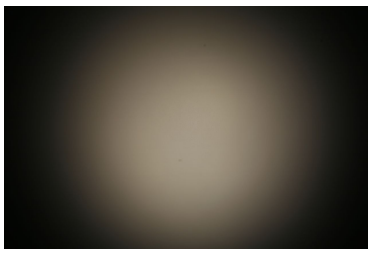




OSRAM
Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	55.0° / 81.0°
Efficiency	86 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White

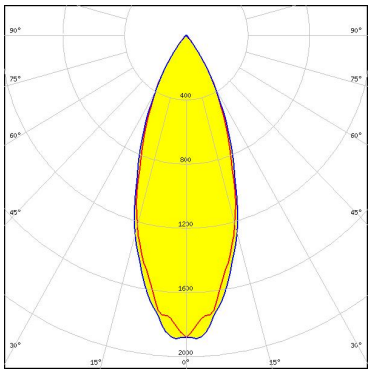
Required components:



PHOTOMETRIC DATA (SIMULATED):

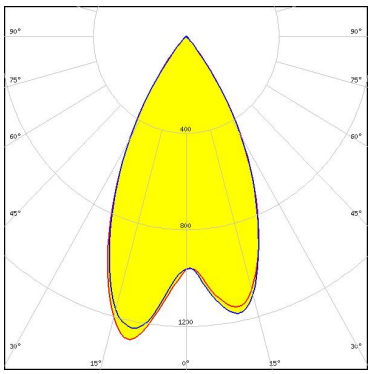
CREE LED

LED	XP-E
FWHM / FWTM	39.0°
Efficiency	95 %
LEDs/each optic	1
Light colour	White
Required components:	



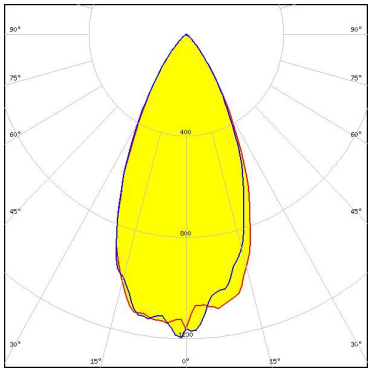
LUMILEDS

LED	LUXEON Rubix
FWHM / FWTM	54.0° / 78.0°
Efficiency	95 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	OSLON SSL 80
FWHM / FWTM	49.0° / 80.0°
Efficiency	83 %
Peak intensity	1.2 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:

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