

PRODUCT DATASHEET CP12943_LARISA-O-CLIP16

LARISA-O-CLIP16

~40° x 20° oval beam. Clip fastening for 1.6 mm thick PCB.

TECHNICAL SPECIFICATIONS:

Dimensions	9.9 x 9.9 mm
Height	7.5 mm
Fastening	clips
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

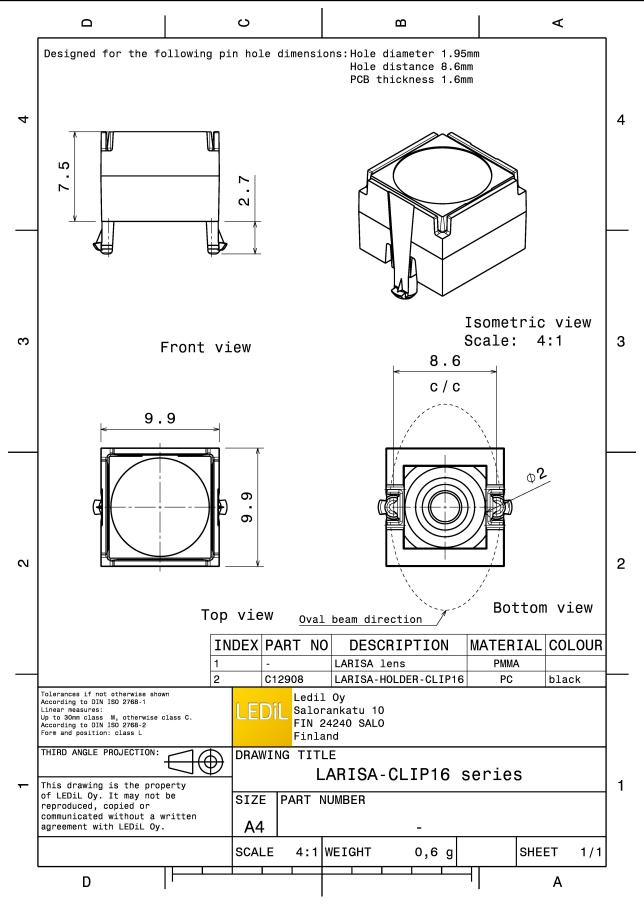
Component	Туре	Material	Colour	Finish
LARISA-O	Single lens	PMMA	clear	
LARISA-HOLDER-CLIP16	Holder	PC	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP12943_LARISA-O-CLIP16	Single lens	10000	300	100	6.6
» Box size: 300 x 250 x 250 mm					

PRODUCT DATASHEET CP12943_LARISA-O-CLIP16





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



WHM / FWTM 39.0 + 21.0° / 73.0 + 49.0° Hitciency 90% Edsk intensity 2.2 cd/m Eds/each optic 1 ight colour White Required components: CREEE ← ED XD16 W/M / FWTM 40.0 + 20.0° / 72.0 + 51.0° Hitciency 75% Pask intensity 2.1 cd/m Eds/each optic 1 ight colour White Required components: CREEE ← ED XP-G W/M / FWTM 93.0 + 25.0° / 76.0 + 51.0° Hitciency 83% Heak intensity 2.1 cd/m Eds/each optic 1 ight colour White Required components: CREEE ← ED XP-G W/M / FWTM 93.0 + 25.0° / 76.0 + 51.0° Hitciency 83% Heak intensity 2.1 cd/m Eds/each optic 1 ight colour White Required components: CREEE ←	LED		90 ²
ED X8-D WMM / FWT 30.0 + 21.0 / 73.0 + 48.0 ° History 80 % Heak intensity 2.2 cd/m EDS/scach optic 1 light colour White EDS/scach optic 1 light colour White EDS/scach optic 1 light colour White EDS/scach optic 1 light colour White Required components: EDS/scach optic 1 light colour White EDS/scach o	LED		
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Perk Intensity 2.2 cd/m EDe/aedo topic 1 ight colour White Edwards optic 1 ight colour White Edwards optic 1 ight colour White Edwards optic 1 ight colour White EDe/aedo topic 1 ight colour White EDe/aedo topic 1 ight colour White EDe/aedo topic 1 ight colour White Edwards optic 1 ight colour White			
EDs/seah optic 1 ight colour White tequired components: CREE ED XD16 WMM / PVTM 40.0 + 20.0° / 72.0 + 51.0° ifficiency 75 % Heak Intensity 2.1 col/m EDs/seah optic 1 ight colour White CREE ED XP-G WMM / PVTM 39.0 + 25.0° / 76.0 + 51.0° WMM / PVTM 39.0 + 25.0° / 76.0 + 51.0° WMM / PVTM 39.0 + 25.0° / 76.0 + 51.0° WMM / PVTM 39.0 + 25.0° / 76.0 + 51.0° WMM / PVTM 39.0 + 25.0° / 76.0 + 51.0° WMM / PVTM 39.0 + 25.0° / 76.0 + 51.0° WMM / PVTM 39.0 + 25.0° / 76.0 + 51.0° WMM / PVTM 39.0 + 25.0° / 76.0 + 51.0° WMM / PVTM 39.0 + 25.0° / 76.0 + 51.0° WMM / PVTM 39.0 + 25.0° / 76.0 + 51.0° WMM / PVTM 39.0 + 25.0° / 76.0 + 51.0° WMM / PVTM 39.0 + 25.0° / 76.0 + 51.0° WMM / PVTM 39.0 + 25.0° / 76.0 + 51.0° WMM / PVTM 39.0 + 25.0° / 76.0 + 51.0° WMM / PVTM 10.0 + 11.0° EDs / 20.00 White tequired components:			
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EDs/each optic 1 ight colour White Required components: CREE \Leftrightarrow ED XP-G WHM / FWTM 39.0+ 25.0° / 76.0 + 51.0° WHM / FWTM 39.0+ 25.0° / 76.0 + 51.0° WHM / FWTM 39.0+ 25.0° / 76.0 + 51.0° WHM / FWTM 20.0 + 11 ight colour White Required components: ED X2-E HD WHM / FWTM 40.0 + 17.0° / 68.0 + 42.0° Efficiency 82 % TED X2-E HD WHM / FWTM 40.0 + 17.0° / 68.0 + 42.0° Efficiency 82 % TED X2-E HD WHM / FWTM 20.0 + 17.0° / 68.0 + 42.0° Efficiency 82 % TED X2-E HD WHM / FWTM 20.0 + 17.0° / 68.0 + 42.0° Efficiency 82 % TED X2-E HD WHM / FWTM 20.0 + 17.0° / 68.0 + 42.0° Efficiency 82 % TED X2-E HD WHM / FWTM 40.0 + 17.0° / 68.0 + 42.0° Efficiency 82 % TED X2-E HD WHM / FWTM 40.0 + 10.0° / 68.0 + 42.0° Efficiency 82 %	Efficiency	75 %	
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Required components:	LEDs/each optic	1	
CREE ED XP-G WHM / FWTM 39.0 + 25.0° / 76.0 + 51.0° Ediciency 83 % Peak intensity 2.1 cd/lm EDs/each optic 1 Education White Required components: ED XQ-E HD WHM / FWTM 40.0 + 17.0° / 68.0 + 42.0° Efficiency 82 % Peak intensity 2.3 cd/lm EDs/each optic 1 ight colour White	Light colour	White	54 6
CREE ED XP-G WHM / FWTM 39.0 + 25.0° / 76.0 + 51.0° Strifficiency 83 % Yeak intensity 2.1 cd/lm EDS/seach optic 1 ight colour White Required components: ED XQ-E HD WHM / FWTM 40.0 + 17.0° / 68.0 + 42.0° Strifficiency 82 % Yeak intensity 2.2 8 cd/lm EDS/seach optic 1 ight colour White	Required compon	ents:	
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WHM / FWTM 39.0 + 25.0° / 76.0 + 51.0° Efficiency 83 % Peak intensity 2.1 cd/lm EDs/each optic 1 ight colour White Required components: ED XQ-E HD WHM / FWTM 40.0 + 17.0° / 68.0 + 42.0° Efficiency 82 % Peak intensity 2.8 cd/lm EDs/each optic 1 ight colour White	CREE -	Тм	90*
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Peak intensity 2.1 cd/lm LEDs/each optic 1 ight colour White Required components: ED XQ-E HD WHM / FWTM 40.0 + 17.0° / 68.0 + 42.0° Efficiency 82 % Peak intensity 2.8 cd/lm LEDs/each optic 1 ight colour White	FWHM / FWTM		
EDs/each optic 1 ight colour White Required components: CREE ED XQ-E HD WHM / FWTM 40.0 + 17.0° / 68.0 + 42.0° Efficiency 82 % Peak intensity 2.8 cd/m EDs/each optic 1 ight colour White	Efficiency		BUR BUR
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Required components:			
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LED XQ-E HD WHM / FWTM 40.0 + 17.0° / 68.0 + 42.0° Efficiency 82 % Peak intensity 2.8 cd/lm EDs/each optic 1 Light colour White	Required compon	ents:	
LED XQ-E HD WHM / FWTM 40.0 + 17.0° / 68.0 + 42.0° Efficiency 82 % Peak intensity 2.8 cd/lm EDs/each optic 1 Light colour White			
LED XQ-E HD WHM / FWTM 40.0 + 17.0° / 68.0 + 42.0° Efficiency 82 % Peak intensity 2.8 cd/lm EDs/each optic 1 Light colour White			
LED XQ-E HD WHM / FWTM 40.0 + 17.0° / 68.0 + 42.0° Efficiency 82 % Peak intensity 2.8 cd/lm EDs/each optic 1 Light colour White			30 ⁶
LED XQ-E HD WHM / FWTM 40.0 + 17.0° / 68.0 + 42.0° Efficiency 82 % Peak intensity 2.8 cd/lm EDs/each optic 1 Light colour White	CRFF •		
WHM / FWTM 40.0 + 17.0° / 68.0 + 42.0° Efficiency 82 % Peak intensity 2.8 cd/lm EDs/each optic 1 ight colour White	LED		
Efficiency 82 % Peak intensity 2.8 cd/lm EDs/each optic 1 ight colour White			32
Peak intensity 2.8 cd/lm EDs/each optic 1 ight colour White			
EDs/each optic 1 ight colour White			90*
ight colour White			
			- 160 e
			309
30°			200



CREE -		
LED	XQ-E HI	
EED FWHM / FWTM	АQ-Е ПІ 43.0 + 14.0° / 64.0 + 36.0°	
Efficiency	43.0 + 14.0 7 04.0 + 30.0 74 %	
Peak intensity	3.2 cd/lm	
LEDs/each optic	1	
Light colour	' White	
Required compone		
	EDS	397
LED	LUXEON A	
EED FWHM / FWTM	39.0 + 26.0° / 78.0 + 55.0°	
Efficiency	81 %	
Peak intensity	1.9 cd/lm	
LEDs/each optic	1	
Light colour	White	5 .
Required compone		
rioquirou compone		
		1000
		30° 300 13°
	EDS	50*
LED	LUXEON C	
FWHM / FWTM	40.0 + 18.0° / 69.0 + 43.0°	
Efficiency	79 %	600
Peak intensity	2.6 cd/lm	
LEDs/each optic	1	
Light colour	White	gr
Required compone	ents:	
		200/
		34
	EDC	35 ⁵ 0 ⁴ 15 ⁹
		20 ¹
LED		
FWHM / FWTM	40.0 + 18.0° / 70.0 + 42.0°	
Efficiency	84 %	60°
Peak intensity	2.7 cd/lm	
LEDs/each optic	1	
Light colour	White	9° - 160_
Required compone	ents:	
		2 ⁻ 15 ⁹ 0 ⁰ 15 ⁹



	EDS LUXEON Rebel ES	90° 90
FWHM / FWTM	39.0 + 25.0° / 77.0 + 54.0°	75
Efficiency	82 %	
Peak intensity	1.9 cd/lm	60°
LEDs/each optic	1	
Light colour	White	
Required compone		
i toquiroù compone		3600
A		
		99 ⁴ 99
LED	LUXEON Rebel Plus	25 25
FWHM / FWTM	40.0 + 19.0° / 69.0 + 46.0°	
Efficiency	83 %	61 000 K
Peak intensity	2.6 cd/lm	
LEDs/each optic	1	
Light colour	White	9° - 300 - 60
Required compone	nts:	
		- 300 /
		30° 30° 30°
🖉 LUMIL	EDS	
LED	LUXEON Z	
FWHM / FWTM	41.0 + 14.0° / 62.0 + 360.0°	
Efficiency	81 %	
Peak intensity	3.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	
	EDS	×*
LED	LUXEON Z ES	
FWHM / FWTM	40.0 + 18.0° / 68.0 + 44.0°	
Efficiency	86 %	
Peak intensity	2.8 cd/lm	60 ⁴
LEDs/each optic	1	
	White	e ^r 2000 e
LIGHT COIOUF		
Light colour Required compone	nts:	
Light colour Required compone	nts:	
	nts:	
	nts:	202



Image: Nichin LED NCSxx19A FWHM / FWTM 41.0 + 19.0° / 71.0 + 50.0° Efficiency 81 % Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour White Required components: Image: Component state Image: Nicchin LED NVSxx19A NVSxx19A FWHM / FWTM 40.0 + 24.0° / 77.0 + 57.0° Efficiency 79 % Peak intensity 1.9 cd/lm	91 ⁴ 737 81 ⁴ 81 ⁴ 81 ⁴
FWHM / FWTM 41.0 + 19.0° / 71.0 + 50.0° Efficiency 81 % Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour White Required components: 1 Image: CHIA 1 Efficiency 81 % Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour White Required components: 10 Image: CHIA 10 LED NVSxx19A FWHM / FWTM 40.0 + 24.0° / 77.0 + 57.0° Efficiency 79 % Peak intensity 1.9 cd/lm	
Efficiency 81 % Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour White Required components:	
Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour White Required components:	
LEDs/each optic 1 Light colour White Required components:	
Light colour White Required components:	
Required components:	
Image: Second	35° 36'
Image: Nichin Image: Nichin LED NVSxx19A FWHM / FWTM 40.0 + 24.0° / 77.0 + 57.0° Efficiency 79 % Peak intensity 1.9 cd/lm	350
Image: Nichin Image: Nichin LED NVSxx19A FWHM / FWTM 40.0 + 24.0° / 77.0 + 57.0° Efficiency 79 % Peak intensity 1.9 cd/lm	33°
Image: Nichin Image: Nichin LED NVSxx19A FWHM / FWTM 40.0 + 24.0° / 77.0 + 57.0° Efficiency 79 % Peak intensity 1.9 cd/lm	15°
LED NVSxx19A FWHM / FWTM 40.0 + 24.0° / 77.0 + 57.0° Efficiency 79 % Peak intensity 1.9 cd/lm	
LED NVSxx19A FWHM / FWTM 40.0 + 24.0° / 77.0 + 57.0° Efficiency 79 % Peak intensity 1.9 cd/lm	90*
FWHM / FWTM 40.0 + 24.0° / 77.0 + 57.0° Efficiency 79 % Peak intensity 1.9 cd/lm	
Efficiency 79 % Peak intensity 1.9 cd/lm	75'
Peak intensity 1.9 cd/lm	
	60.
LEDs/each optic 1	$\setminus X$
Light colour White	45*
Required components:	
	X
	$\Gamma \cup$
	38*
20°	12.0
OSRAM Opto Semiconductors	90*
LED Duris S5 (2 chip)	
FWHM / FWTM 26.0 + 41.0° / 63.0 + 77.0°	
Efficiency 79 %	\bigvee
Peak intensity 1.8 cd/lm	~ ^*
LEDs/each optic 1	$\setminus X$
Light colour White	45*
Required components:	
	X
500	
	36.
Opto Semiconductors	30*
LED OSLON Square EC	751
FWHM / FWTM 40.0 + 22.0° / 74.0 + 55.0°	
Efficiency 78 % Peak intensity 2 cd/lm	
	$\setminus X$
	45%
Light colour White Required components:	



OSRAM Opto Semiconductors LED FWHM / FWTM	OSLON SSL 150 39.0 + 19.0° / 70.0 + 40.0°	25- 25- 25- 25-
Efficiency Peak intensity LEDs/each optic Light colour	84 % 2.9 cd/lm 1 White	
Required compone		200
OSRAM Opto Semiconductors		50 ¹⁴ 59 ¹
	OSLON SSL 80	
Opto Semiconductors	OSLON SSL 80 40.0 + 17.0° / 70.0 + 48.0°	77
Opto Semiconductors		
opto Semiconductors LED FWHM / FWTM	40.0 + 17.0° / 70.0 + 48.0°	75-
opto Semiconductors LED FWHM / FWTM Efficiency	40.0 + 17.0° / 70.0 + 48.0° 77 %	75-
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	40.0 + 17.0° / 70.0 + 48.0° 77 % 2.5 cd/lm	77575°. 60°75°.



PHOTOMETRIC DATA (SIMULATED):

CREE ÷	• •	50° 50°
LED FWHM / FWTM Efficiency	XP-E 39.0 + 17.0° 89 %	60° 60° 70° 70° 70° 70° 70° 70° 70° 70° 70° 7
LEDs/each optic Light colour	1 White	er. er
Required component	ts:	



PRODUCT DATASHEET CP12943 LARISA-O-CLIP16

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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