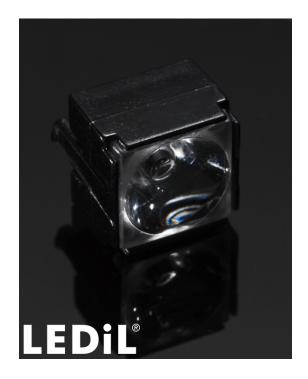


LARISA-RS-CLIP16

~19° real spot 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 🛈

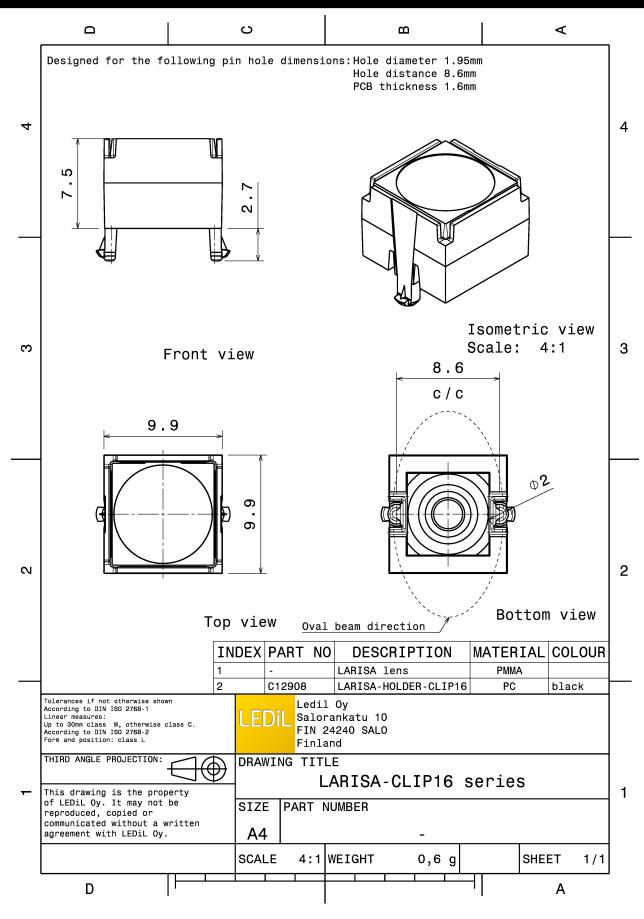


MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP12939_LARISA-RS-CLIP16	Single lens	10000	300	100	5.8
» Box size: 300 x 250 x 250 mm					



(R)

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



r			
	D	»*	90°
LED	XD16		
FWHM / FWTM	18.0° / 40.0°		75*
Efficiency	80 %		
Peak intensity	4.8 cd/lm		60°
LEDs/each optic	1		
Light colour	White	5×	45°
Required compone			
		20	36.
	3		1
		30'	90*
LED	XQ-E HD		75'
FWHM / FWTM	16.0° / 33.0°		
Efficiency	86 %		60
Peak intensity	6.9 cd/lm		
LEDs/each optic	1		
Light colour	White		45.
Required compone	ents:		
		600	
		3 ⁴	36.
		15° 0° 15°	
	D	89	90°
		30*	90'
LED	XQ-E HI	39 [*]	90' 75'
LED FWHM / FWTM	XQ-E HI 11.0° / 28.0°	99 ⁴ 75	90'
LED FWHM / FWTM Efficiency	XQ-E HI 11.0° / 28.0° 80 %	99 ⁴	90 [°] 75 [°] 60 [°]
LED FWHM / FWTM Efficiency Peak intensity	XQ-E HI 11.0° / 28.0° 80 % 10.7 cd/lm	35 ⁴ 73 ⁵ 50 ⁶ 000	90 [°]
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XQ-E HI 11.0° / 28.0° 80 % 10.7 cd/lm 1		90 ¹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XQ-E HI 11.0° / 28.0° 80 % 10.7 cd/lm 1 White		65 60 25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XQ-E HI 11.0° / 28.0° 80 % 10.7 cd/lm 1 White	73- Det 54. 54.0 54.0	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XQ-E HI 11.0° / 28.0° 80 % 10.7 cd/lm 1 White	73- Det 54. 54.0 54.0	90,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XQ-E HI 11.0° / 28.0° 80 % 10.7 cd/lm 1 White	73- Det 54. 54.0 54.0	67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XQ-E HI 11.0° / 28.0° 80 % 10.7 cd/lm 1 White ents:	73- Det 54. 54.0 54.0	5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XQ-E HI 11.0° / 28.0° 80 % 10.7 cd/lm 1 White ents:	73- Det 54. 54.0 54.0	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XQ-E HI 11.0° / 28.0° 80 % 10.7 cd/lm 1 White ents:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XQ-E HI 11.0° / 28.0° 80 % 10.7 cd/lm 1 White ents:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XQ-E HI 11.0° / 28.0° 80 % 10.7 cd/lm 1 White ents: EDS LUXEON A		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XQ-E HI 11.0° / 28.0° 80 % 10.7 cd/lm 1 White ents: EDS LUXEON A 26.0° / 51.0°		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XQ-E HI 11.0° / 28.0° 80 % 10.7 cd/lm 1 White ents: EDS LUXEON A 26.0° / 51.0° 89 %		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Component Required component Efficiency Peak intensity LEDs/each optic Light colour	XQ-E HI 11.0° / 28.0° 80 % 10.7 cd/lm 1 White ents: EDS LUXEON A 26.0° / 51.0° 89 % 3.2 cd/lm 1 White		27 00 33 30 30 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Magnetic compone Efficiency Peak intensity LEDs/each optic	XQ-E HI 11.0° / 28.0° 80 % 10.7 cd/lm 1 White ents: EDS LUXEON A 26.0° / 51.0° 89 % 3.2 cd/lm 1 White		27 00 33 30 30 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Component Required component Efficiency Peak intensity LEDs/each optic Light colour	XQ-E HI 11.0° / 28.0° 80 % 10.7 cd/lm 1 White ents: EDS LUXEON A 26.0° / 51.0° 89 % 3.2 cd/lm 1 White		27 00 33 30 30 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Component Required component Efficiency Peak intensity LEDs/each optic Light colour	XQ-E HI 11.0° / 28.0° 80 % 10.7 cd/lm 1 White ents: EDS LUXEON A 26.0° / 51.0° 89 % 3.2 cd/lm 1 White		27 97 97 97 97 97 97 97 97 97 97 97 97 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Component Required component Efficiency Peak intensity LEDs/each optic Light colour	XQ-E HI 11.0° / 28.0° 80 % 10.7 cd/lm 1 White ents: EDS LUXEON A 26.0° / 51.0° 89 % 3.2 cd/lm 1 White		



FWHM / FWTM 20.0° / 45.0° Efficiency 90 % Peak intensity 4.6 cd/lm LEDs/each optic 1 Light colour White Required components:			
LED LUXEON O PNMM / FWTM 170 / 30.0° Efficiency 80 % Presk iterations 6.1 cd/m LLght colour While Required components: PLUMILEDS LED LUXEON Rebel PMM / FWTM 20.0° / 40.0° Efficiency 90 % Presk iterations 4.6 cd/m LLght colour While Required components: PLUMILEDS LED LUXEON Rebel ES EFD LUXEON Rebel ES PMM / FWTM 24.0° / 30.0° Efficiency 80 % Presk iterations 3.2 cd/m LLght colour While Required components: PLUMILEDS LED LUXEON Rebel ES PMM / FWTM 100 / 1 LLght colour While Required components: PLUMILEDS LED LUXEON Rebel ES PMM / FWTM 11.0° / 27.0° ELD(MILEDS LED LUXEON Z EED LUXEON Z EED LUXEON Z PMM / FWTM 11.0° / 27.0° ELD(MILEDS LED LUXEON Z PMM / FWTM 11.0° / 27.0° ELD(MILEDS) LED LUXEON Z ELD LUXEON Z PMM / FWTM 11.0° / 27.0° ELD(MILEDS) LED LUXEON Z ELD LU		.EDS	80*
PHYHA / PNTM 17.0*/ 36.0* Efficiency 86 % Required components:			
Efficiency 86% Peak intensity 5.1 cd/m Light colour White Required components:			78
Peak intensity 6.1 cd/in LEDWards optic 1 Light colour White Required components:			
LEDviend point 1 Light tackur White Required components: PLUNILEDS LED LUXEON Rebeil ENDer UXEON Rebeil ENDer UXEON Rebeil ENDer V UXEON Rebeil ES POHM / FWTM 24.07 (53.0° EILDevech optio 1 Light colour White Required components: PUNILEDS LED LUXEON Rebeil ES PVHM / FWTM 24.07 (53.0° EILDevech optio 1 LEDvech optio 1 LUXEON Vhite Required components:	-		69°
Light colour White Required components:			
Required components:			
Image: Constraint of the constraint			
LED LUXEON Rebel WHM / FWTM 20.0° / 45.0° Efficiency 90% Peak Intensity 4.6 od/m LEDs/each optic 1 Light colour White Required components: EED LUXEON Rebel ES FWHM / FWTM 24.0° / 53.0° Efficiency 88% Peak Intensity 3.2 od/m LEDs/each optic 1 Light colour White Required components: EED LUXEON Z FWHM / FWTM 11.0° / 27.0° Efficiency 85% Peak Intensity 12.1 od/m LEDS/each optic 1 Light colour White Required components:			400
LED LUXEON Rebel WHM / FWTM 20.0° / 45.0° Efficiency 90% Peak Intensity 4.6 od/m LEDs/each optic 1 Light colour White Required components: EED LUXEON Rebel ES FWHM / FWTM 24.0° / 53.0° Efficiency 88% Peak Intensity 3.2 od/m LEDs/each optic 1 Light colour White Required components: EED LUXEON Z FWHM / FWTM 11.0° / 27.0° Efficiency 85% Peak Intensity 12.1 od/m LEDS/each optic 1 Light colour White Required components:			
LED LUXEON Rebel WHM / FWTM 20.0° / 45.0° Efficiency 90% Peak Intensity 4.6 od/m LEDs/each optic 1 Light colour White Required components: EED LUXEON Rebel ES FWHM / FWTM 24.0° / 53.0° Efficiency 88% Peak Intensity 3.2 od/m LEDs/each optic 1 Light colour White Required components: EED LUXEON Z FWHM / FWTM 11.0° / 27.0° Efficiency 85% Peak Intensity 12.1 od/m LEDS/each optic 1 Light colour White Required components:			
LED LUXEON Rebel FWHM / FWTM 20.0° / 45.0° Efficiency 90 % Peak intensity 4.6 cd/m LEDS/each optic 1 LEDS/each optic 1 LE		EDC	0400
FWHM / FVTTM 20.0° / 45.0° Efficiency 90% Peak intensity 3.2 col/m Light colour White Required components:			
Efficiency 90 % Peak intensity 4.6 od/m LEDS/each optic 1 Light colour White Required components: ED LUXEON Rebel ES EVHM / FVTTM 24.0° / 53.0° Efficiency 88 % Peak intensity 3.2 cd/m LEDS/each optic 1 Light colour White Required components: ED LUXEON Z EVHM / FVTTM 10.727.0° Efficiency 85 % Peak intensity 12.1 cd/m LEDS/each optic 1 Light colour White Required components:	LED		
Peak intensity 4.6 cd/m LEDS/each optic 1 LEDS/each optic 1 LEDS/each optic 1 Light colour White Required components:	FWHM / FWTM		
LEDs/each optic 1 Light colour White Required components:	Efficiency		
Light colour White Required components:	Peak intensity		
Required components:			
Image: Constraint of the series of the se	Light colour		
LED LUXEON Rebel ES FWHM / FWTM 24.0° / 53.0° Efficiency 88 % Peak intensity 3.2 cd/m LEDs/each optic 1 Light colour White Required components:	Required compone	ents:	
LED LUXEON Rebel ES FWHM / FWTM 24.0° / 53.0° Efficiency 88 % Peak intensity 3.2 cd/m LEDs/each optic 1 Light colour White Required components:			
LED LUXEON Rebel ES FWHM / FWTM 24.0° / 53.0° Efficiency 88 % Peak intensity 3.2 cd/m LEDs/each optic 1 Light colour White Required components:			
LED LUXEON Rebel ES FWHM / FWTM 24.0° / 53.0° Efficiency 88 % Peak intensity 3.2 cd/m LEDs/each optic 1 Light colour White Required components:			
FWHM / FWTM 24.0° / 53.0° Efficiency 88 % Peak intensity 3.2 cd/m LEDs/each optic 1 Light colour White Required components:	🥙 LUMIL	.EDS	50*
FWHM / FWTM 24.0° / 53.0° Efficiency 88 % Peak intensity 3.2 cd/lm LEDS/each optic 1 Light colour White Required components: FWHM / FWTM 11.0° / 27.0° Efficiency 85 % Peak intensity 12.1 cd/lm LEDS/each optic 1 Light colour White Required components:	LED	LUXEON Rebel ES	
Efficiency 88 % Peak intensity 3.2 cd/lm LEDs/each optic 1 Light colour White Required components: ED LUXEON Z FWHM / FWTM 11.0° / 27.0° Efficiency 85 % Peak intensity 12.1 cd/lm LEDs/each optic 1 Light colour White Required components:	FWHM / FWTM	24.0° / 53.0°	$\Gamma \setminus \mathbb{Z} \to [\Lambda \setminus \mathbb{Z} \to [\Lambda \setminus \mathbb{Z}]$
LEDs/each optic 1 Light colour White Required components:	Efficiency	88 %	
Light colour White Required components: EVINILEDS LED LUXEON Z FWHM / FWTM 11.0° / 27.0° Efficiency 85 % Peak intensity 12.1 cd/lm LEDs/each optic 1 Light colour White Required components:	Peak intensity	3.2 cd/lm	
Required components:	LEDs/each optic	1	
Image: Constraint of the second se	Light colour	White	
LUXEON Z FWHM / FWTM 11.0° / 27.0° Efficiency 85 % Peak intensity 12.1 cd/m LEDS/each optic 1 Light colour White Required components: Image: Component state stat	Required compone	ents:	200
LUXEON Z FWHM / FWTM 11.0° / 27.0° Efficiency 85 % Peak intensity 12.1 cd/m LEDS/each optic 1 Light colour White Required components: Image: Component in the second in			
LUXEON Z FWHM / FWTM 11.0° / 27.0° Efficiency 85 % Peak intensity 12.1 cd/m LEDS/each optic 1 Light colour White Required components: Image: Component in the second in			
LED LUXEON Z FWHM / FWTM 11.0° / 27.0° Efficiency 85 % Peak intensity 12.1 cd/lm LEDs/each optic 1 Light colour White Required components:			30*
LED LUXEON Z FWHM / FWTM 11.0° / 27.0° Efficiency 85 % Peak intensity 12.1 cd/lm LEDs/each optic 1 Light colour White Required components:		FDS	
FWHM / FWTM 11.0° / 27.0° Efficiency 85 % Peak intensity 12.1 cd/lm LEDs/each optic 1 Light colour White Required components:			2 ²⁷
Efficiency 85 % Peak intensity 12.1 cd/lm LEDs/each optic 1 Light colour White Required components:			75
Peak intensity 12.1 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:			g. / 600
34° 1000 30			
17800		лно.	300
17800			
17800			
			12800



	.EDS	307
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON Z ES 16.0° / 37.0° 89 % 6.1 cd/lm 1 White	
ØNICHI/		30 ⁴ 39 ⁵
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NCSxx19A 16.0° / 43.0° 84 % 4.8 cd/lm 1 White ents:	
ØNICHI/		50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxx19A 21.0° / 52.0° 81 % 3.1 cd/lm 1 White	
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON Square EC 22.0° / 47.0° 86 % 3.8 cd/lm 1 White	



OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	OSLON SSL 150 16.0° / 39.0° 87 %	
Peak intensity	8.1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
OSRAM		99 ³
Opto Semiconductors	OSLON SSL 80	90 ⁴
Opto Semiconductors	OSLON SSL 80 16.0° / 36.0°	77 78 94 94
Opto Semiconductors LED FWHM / FWTM		72
opto Semiconductors LED FWHM / FWTM Efficiency	16.0° / 36.0°	
opto Semiconductors LED FWHM / FWTM Efficiency	16.0° / 36.0° 83 %	72 1000
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	16.0° / 36.0° 83 % 6.5 cd/lm 1 White	27 - 22 8 ¹ - 00



PHOTOMETRIC DATA (SIMULATED):

		90*
LED FWHM / FWTM	XP-E 15.0°	61. 61. 22.
Efficiency	92 %	3000
LEDs/each optic	1	
Light colour	White	gr c:
Required components:		9° 10° 560 10° 3°



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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