

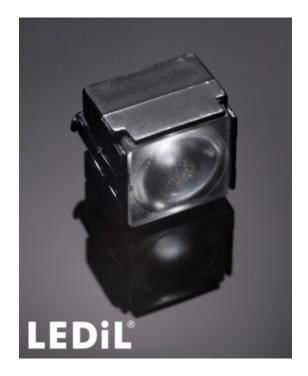
# PRODUCT DATASHEET CP12941\_LARISA-M-CLIP16

# LARISA-M-CLIP16

 ${\sim}30^\circ$  medium 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 🛈



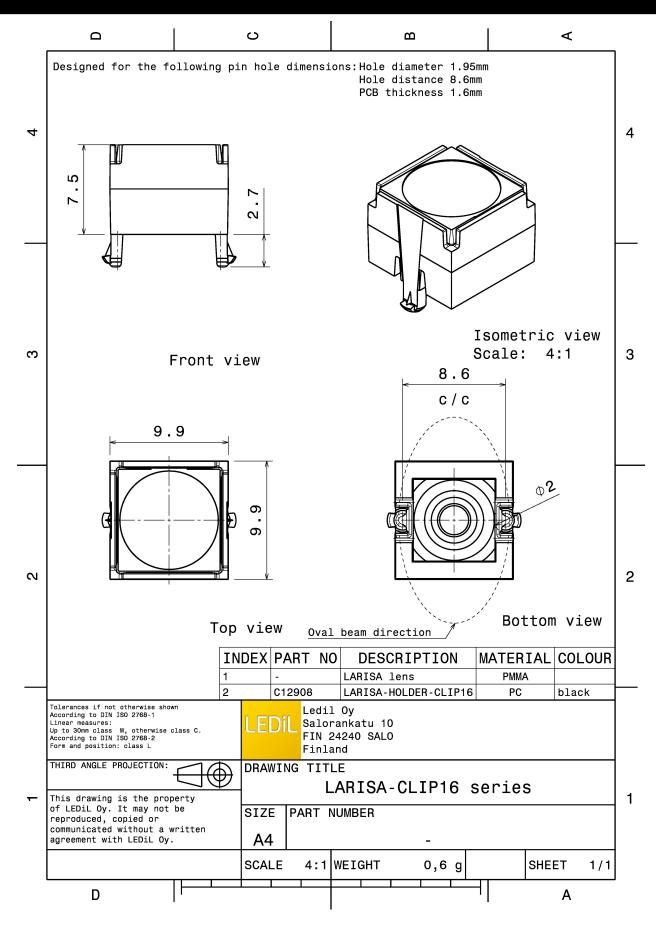
### **MATERIAL SPECIFICATIONS:**

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

### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP12941_LARISA-M-CLIP16	Single lens	10000	300	100	6.6
» Box size: 300 x 250 x 250 mm					

PRODUCT DATASHEET CP12941\_LARISA-M-CLIP16



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

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			90°	90*
LED	XB-D			
FWHM / FWTM	30.0° / 58.0°		75*	75
Efficiency	84 %		$\square$	
Peak intensity	2.3 cd/lm		60*	
LEDs/each optic	1			
Light colour	White		95°	45*
Required componer			1630	-+
			30* 2400	3."
	•		15° 0°	72,
			90*	90*
LED	XD16		75*	
FWHM / FWTM	27.0° / 57.0°	10000	$ \land $	
Efficiency	74 %		60.5	
Peak intensity	2.2 cd/lm			
LEDs/each optic	1			$\wedge$ $\wedge$ $\times$
Light colour	White		45°	45.
Required componer	nts:		1600	H
				/ $>$
			30% 15% 2430	15° 30°
				121
	2		90*	90*
			90*	90*
LED	XP-G		90* 23: 400	26,
LED FWHM / FWTM			99°	
LED FWHM / FWTM Efficiency	XP-G 36.0° / 64.0° 88 %		9° 75 60* 00	
LED FWHM / FWTM Efficiency Peak intensity	XP-G 36.0° / 64.0°		90* 29* 60* 90	
LED FWHM / FWTM Efficiency	XP-G 36.0° / 64.0° 88 % 1.9 cd/lm		9° 57 60° 60° 60°	6. 
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G 36.0° / 64.0° 88 % 1.9 cd/lm 1 White		9° 9° 0° °	60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G 36.0° / 64.0° 88 % 1.9 cd/lm 1 White		90* 79* 60* 60* 60* 1200	52 52
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G 36.0° / 64.0° 88 % 1.9 cd/lm 1 White			6. 52
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G 36.0° / 64.0° 88 % 1.9 cd/lm 1 White		300	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-G 36.0° / 64.0° 88 % 1.9 cd/lm 1 White nts:		102	59 <sup>5</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-G 36.0° / 64.0° 88 % 1.9 cd/lm 1 White hts:		200 200 200 200 200 200 200 200 200 200	59 59 59 59 59
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-G 36.0° / 64.0° 88 % 1.9 cd/lm 1 White hts:		900 900 900 900 900	59 59 59 59 59 59 59 59 59 59 59 59 59 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-G 36.0° / 64.0° 88 % 1.9 cd/lm 1 White hts: XQ-E HD 25.0° / 53.0°		30 <sup>4</sup> 20 <sup>3</sup> 20 <sup>3</sup> 20 <sup>3</sup>	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-G 36.0° / 64.0° 88 % 1.9 cd/lm 1 White hts: XQ-E HD 25.0° / 53.0° 86 %		90°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-G 36.0° / 64.0° 88 % 1.9 cd/lm 1 White hts: XQ-E HD 25.0° / 53.0° 86 % 3 cd/lm		90°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G 36.0° / 64.0° 88 % 1.9 cd/lm 1 White hts: XQ-E HD 25.0° / 53.0° 86 % 3 cd/lm 1		90°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G 36.0° / 64.0° 88 % 1.9 cd/lm 1 White hts: XQ-E HD 25.0° / 53.0° 86 % 3 cd/lm 1 White		200 200 200 200 200 00 00 00 00 00 00 00	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-G 36.0° / 64.0° 88 % 1.9 cd/lm 1 White hts: XQ-E HD 25.0° / 53.0° 86 % 3 cd/lm 1 White		200 200 200 200 200 00 00 00 00 00 00 00	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G 36.0° / 64.0° 88 % 1.9 cd/lm 1 White hts: XQ-E HD 25.0° / 53.0° 86 % 3 cd/lm 1 White		90° 90° 90° 90° 90° 90° 90° 90° 90° 90°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G 36.0° / 64.0° 88 % 1.9 cd/lm 1 White hts: XQ-E HD 25.0° / 53.0° 86 % 3 cd/lm 1 White		90° 90° 90° 90° 90° 90° 90° 90° 90° 90°	



[		
	D	50 <sup>1</sup>
LED	XQ-E HI	
FWHM / FWTM	19.0° / 45.0°	77 000 75
Efficiency	79 %	
Peak intensity	3.6 cd/lm	90°
LEDs/each optic	1	
Light colour	White	94 200
Required compone		
		200
		$\times$ / $\times$ / $\times$
		25 <sup>0</sup> 0 <sup>3</sup> 15 <sup>9</sup>
🥙 LUMIL	.EDS	20*
LED	LUXEON A	
FWHM / FWTM	37.0° / 67.0°	40
Efficiency	86 %	61
Peak intensity	1.7 cd/lm	
LEDs/each optic	1	
Light colour	White	g
Required compone	ents:	
		1500
	EDS	25 <sup>-</sup> 0 <sup>-</sup> 15 <sup>-</sup>
LED	LUXEON C	
FWHM / FWTM	27.0° / 52.0°	75
Efficiency	85 %	
Peak intensity	2.9 cd/lm	
LEDs/each optic	1	
Light colour	White	ar ar
Required compone		
		303
		34
	EDC	10 <sup>7</sup> 10 <sup>7</sup>
LED	LUXEON Rebel	25
FWHM / FWTM	26.0° / 53.0°	
Efficiency	88 %	
Peak intensity	3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		300
		30" 300 30
		107 07 35 <sup>4</sup>



	.EDS	
LED	LUXEON Rebel ES	
FWHM / FWTM	35.0° / 64.0°	
Efficiency	87 %	
Peak intensity	1.9 cd/lm	94
LEDs/each optic	1	
Light colour	White	
Required compone		
rioquirou compone		
		34" 300 31
	EDS	<u>235<sup>1</sup></u> Ø <sup>*</sup> <u>35<sup>2</sup></u>
LED	LUXEON Z	
LED FWHM / FWTM		
	19.0° / 42.0° 84 %	
Efficiency Peak intensity	84 % 5 cd/lm	
	5 ca/im 1	
LEDs/each optic Light colour	1 White	
Required compone		
Required compone		
-		
LUMIL	LUXEON Z ES	
LED FWHM / FWTM		
LED FWHM / FWTM Efficiency	LUXEON Z ES 24.0° / 50.0°	
LED FWHM / FWTM	LUXEON Z ES 24.0° / 50.0° 88 %	72
LED FWHM / FWTM Efficiency Peak intensity	LUXEON Z ES 24.0° / 50.0° 88 % 3.3 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON Z ES 24.0° / 50.0° 88 % 3.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON Z ES 24.0° / 50.0° 88 % 3.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON Z ES 24.0° / 50.0° 88 % 3.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON Z ES 24.0° / 50.0° 88 % 3.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON Z ES 24.0° / 50.0° 88 % 3.3 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON Z ES 24.0° / 50.0° 88 % 3.3 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON Z ES 24.0° / 50.0° 88 % 3.3 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON Z ES 24.0° / 50.0° 88 % 3.3 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON Z ES 24.0° / 50.0° 88 % 3.3 cd/lm 1 White ents: NCSxx19A 27.0° / 57.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHI/ LED FWHM / FWTM Efficiency Peak intensity	LUXEON Z ES 24.0° / 50.0° 88 % 3.3 cd/lm 1 White ents: NCSxx19A 27.0° / 57.0° 84 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHI/ LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON Z ES 24.0° / 50.0° 88 % 3.3 cd/lm 1 White ents: NCSxx19A 27.0° / 57.0° 84 % 2.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON Z ES 24.0° / 50.0° 88 % 3.3 cd/lm 1 White ents: NCSxx19A 27.0° / 57.0° 84 % 2.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHI/ LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON Z ES 24.0° / 50.0° 88 % 3.3 cd/lm 1 White ents: NCSxx19A 27.0° / 57.0° 84 % 2.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone <b>WICHI/</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON Z ES 24.0° / 50.0° 88 % 3.3 cd/lm 1 White ents: NCSxx19A 27.0° / 57.0° 84 % 2.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHI/ LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON Z ES 24.0° / 50.0° 88 % 3.3 cd/lm 1 White ents: NCSxx19A 27.0° / 57.0° 84 % 2.5 cd/lm 1 White	



ØNICHI/		894 894
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxx19A 34.0° / 65.0° 84 % 1.9 cd/Im 1 White	24, 12, 150 15, 24, 24, 24, 24, 24, 24, 24, 24, 24, 24
OSRAM Opto Semiconductors		304 30
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Duris S5 (2 chip) 34.0° / 66.0° 80 % 1.9 cd/lm 1 White ents:	
OSRAM Opto Semiconductors		80° 80°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON Square EC 31.0° / 63.0° 83 % 2 cd/lm 1 White ents:	
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON SSL 150 30.0° / 54.0° 88 % 2.6 cd/lm 1 White ents:	



OSRAM Opto Semiconductors		90*	90°
LED	OSLON SSL 80	75	75
FWHM / FWTM	25.0° / 56.0°		$\langle n \rangle$
Efficiency	82 %	60*	60°
Peak intensity	2.9 cd/lm	$\langle \ \land \ \land \ \mid$	$\sum 7$
LEDs/each optic	1	1600	$ \land X $
Light colour	White	47×	45+
Required compone	nts:	9 <sup>64</sup> 15 <sup>5</sup> 0 <sup>6</sup>	15" 30"



## PHOTOMETRIC DATA (SIMULATED):

		30°
LED FWHM / FWTM	XP-E 23.0°	77
Efficiency	94 %	66 <sup>4</sup>
LEDs/each optic Light colour	1 White	er et
Required components:		220
		$\times$ / $\vee$ $\times$
		30° <u>600</u> 30° 30°



## PRODUCT DATASHEET CP12941\_LARISA-M-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.

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