

## LARISA-RS-CLIP16

~19° real spot beam. Clip fastening for 1.6 mm thick PCB

### SPECIFICATION:

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

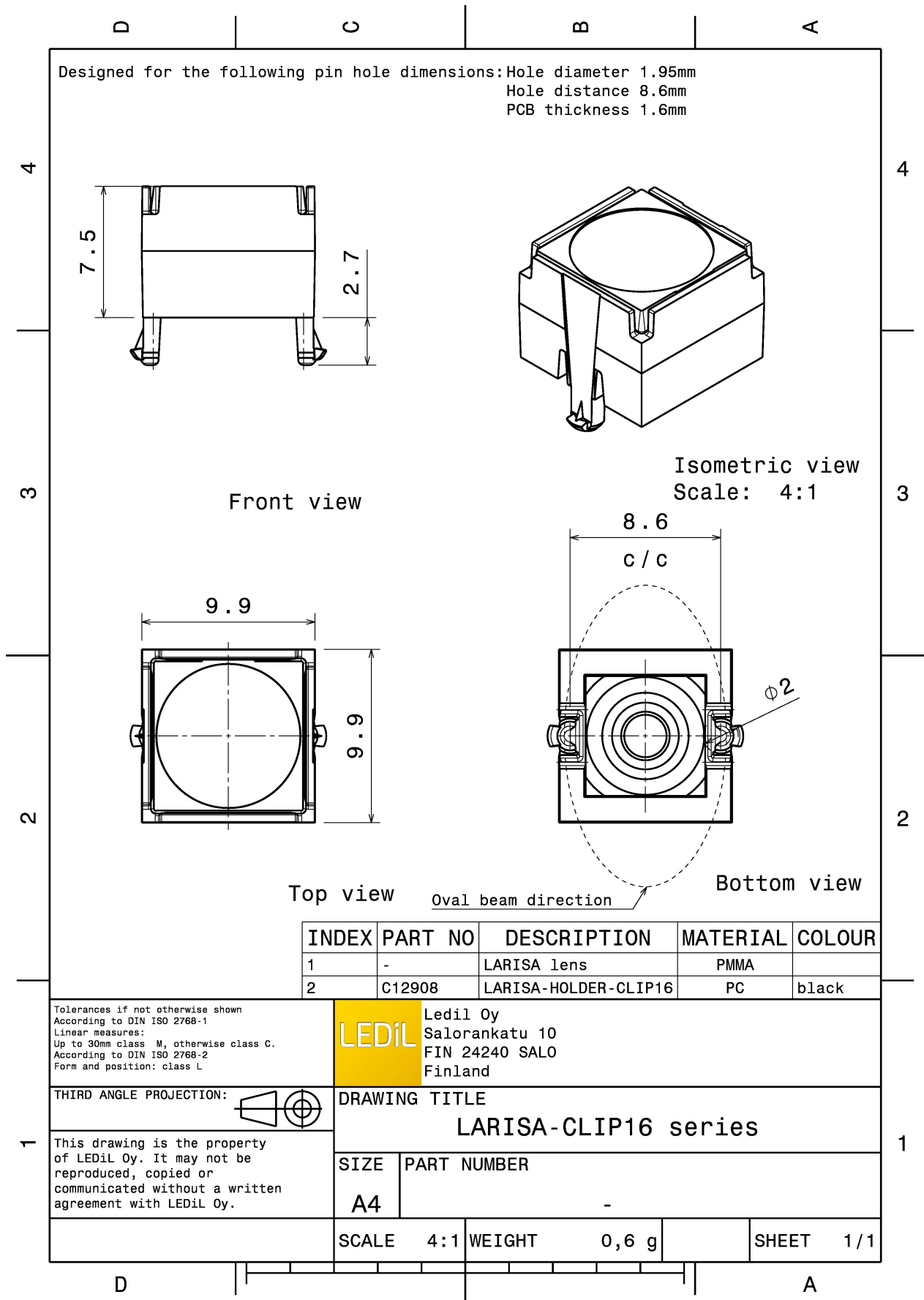


### MATERIALS:

Component	Type	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					

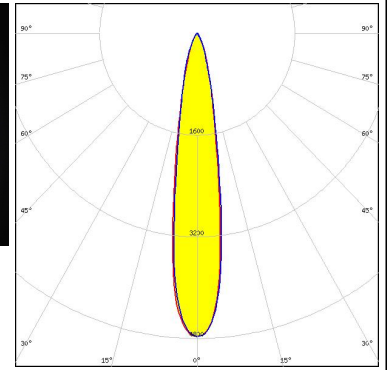
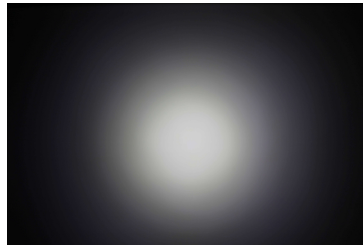


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):

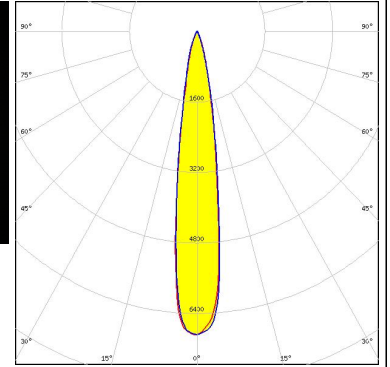
##### CREE LED

LED XD16  
 FWHM / FWTM 18.0° / 40.0°  
 Efficiency 80 %  
 Peak intensity 4.8 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



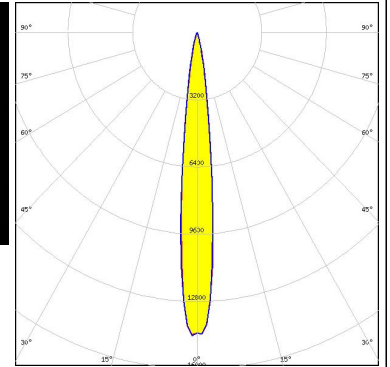
##### CREE LED

LED XQ-E HD  
 FWHM / FWTM 16.0° / 33.0°  
 Efficiency 86 %  
 Peak intensity 6.9 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



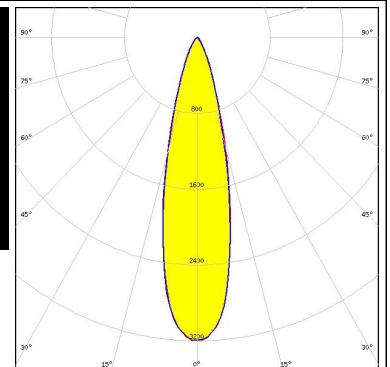
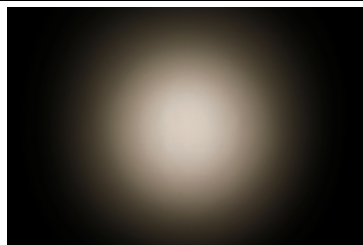
##### CREE LED

LED XQ-E HI  
 FWHM / FWTM 11.0° / 28.0°  
 Efficiency 80 %  
 Peak intensity 10.7 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### LUMILEDS

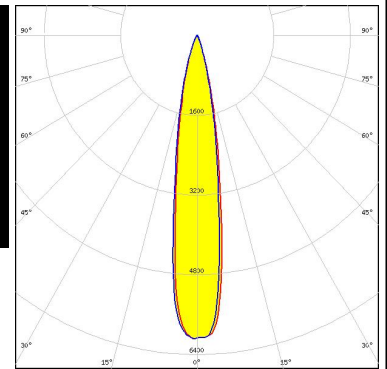
LED LUXEON A  
 FWHM / FWTM 26.0° / 51.0°  
 Efficiency 89 %  
 Peak intensity 3.2 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (MEASURED):

##### LUMILEDS

LED LUXEON C  
 FWHM / FWTM 17.0° / 36.0°  
 Efficiency 86 %  
 Peak intensity 6.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



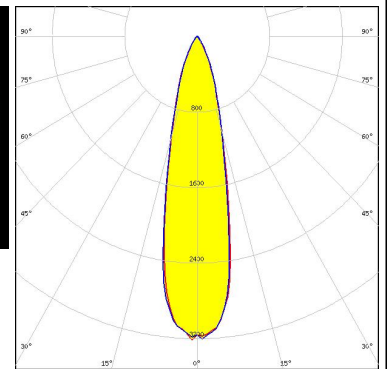
##### LUMILEDS

LED LUXEON Rebel  
 FWHM / FWTM 20.0° / 45.0°  
 Efficiency 90 %  
 Peak intensity 4.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



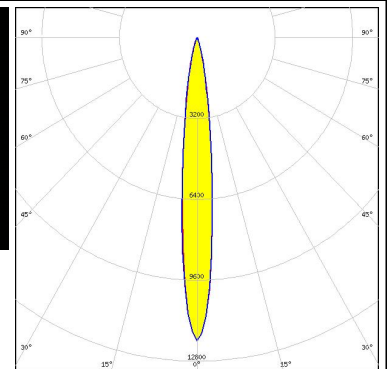
##### LUMILEDS

LED LUXEON Rebel ES  
 FWHM / FWTM 24.0° / 53.0°  
 Efficiency 88 %  
 Peak intensity 3.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



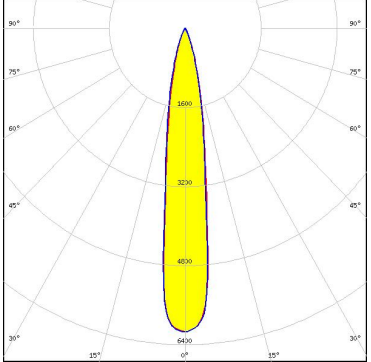


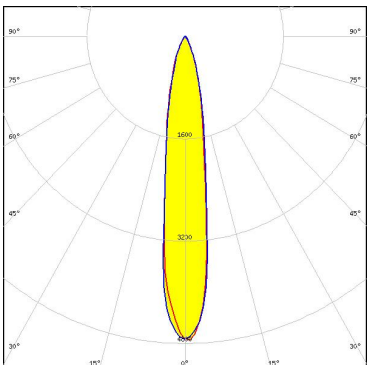


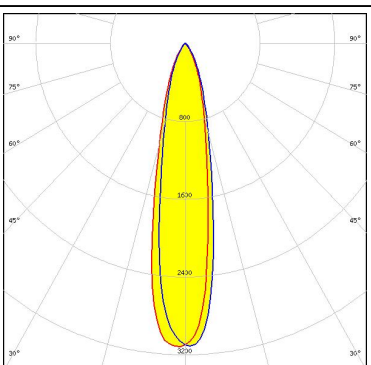


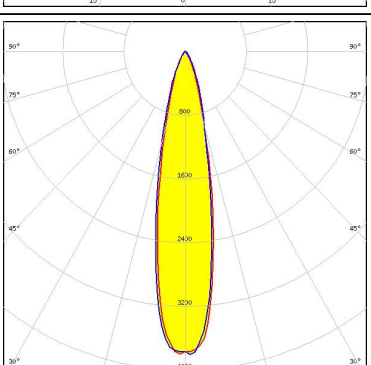


##### LUMILEDS

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:



#### OPTICAL RESULTS (MEASURED):

	<p>LED LUXEON Z ES</p> <p>FWHM / FWTM 16.0° / 37.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 6.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
	<p>LED NCSxx19A</p> <p>FWHM / FWTM 16.0° / 43.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 4.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
	<p>LED NVSxx19A</p> <p>FWHM / FWTM 21.0° / 52.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 3.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
 <p>Opto Semiconductors</p>	<p>LED OSLOM Square EC</p> <p>FWHM / FWTM 22.0° / 47.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 3.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

## OPTICAL RESULTS (MEASURED):

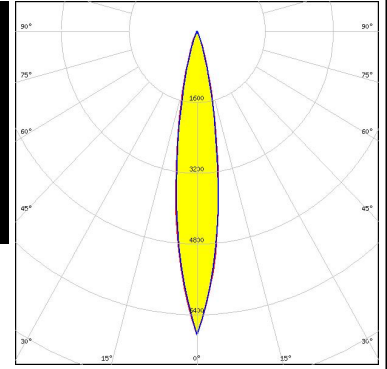
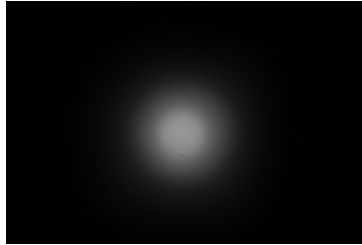
**OSRAM**  
Opto Semiconductors

LED OSLON SSL 150  
 FWHM / FWTM 16.0° / 39.0°  
 Efficiency 87 %  
 Peak intensity 8.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



**OSRAM**  
Opto Semiconductors

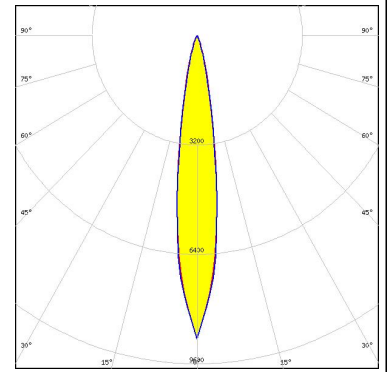
LED OSLON SSL 80  
 FWHM / FWTM 16.0° / 36.0°  
 Efficiency 83 %  
 Peak intensity 6.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (SIMULATED):



LED	XP-E
FWHM / FWTM	15.0°
Efficiency	92 %
LEDs/each optic	1
Light colour	White
Required components:	



#### 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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