

## 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 ⓘ

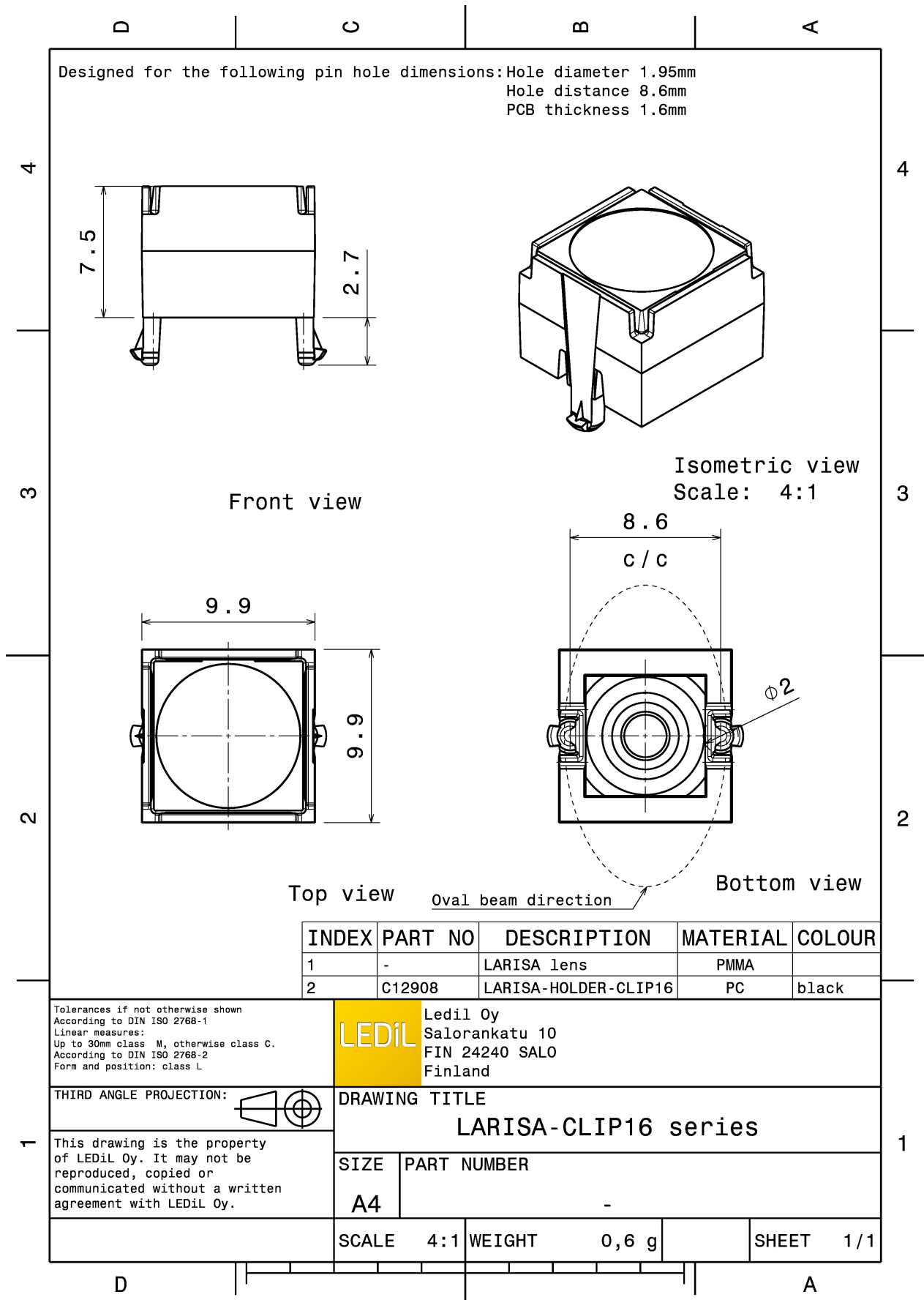


### MATERIALS:

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


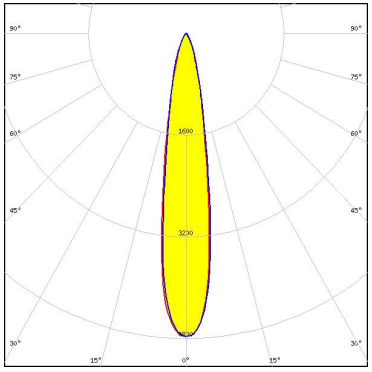

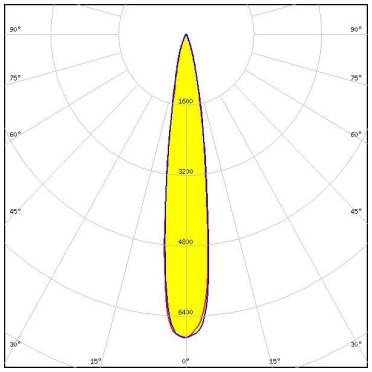

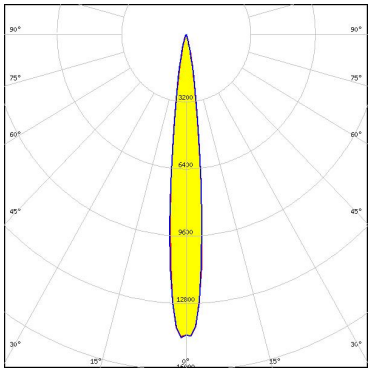

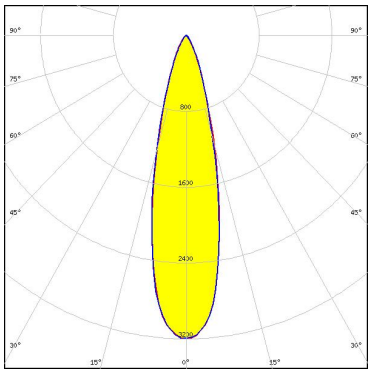
### ORDERING INFORMATION:

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)

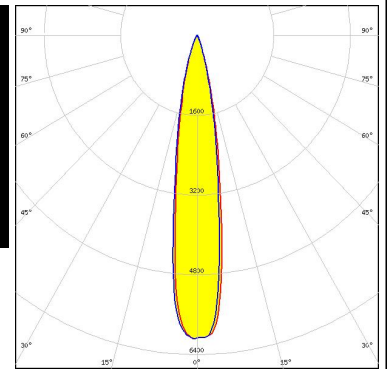
#### OPTICAL RESULTS (MEASURED):

<p><b>CREE</b> LEDs</p> <p>LED: XD16            FWHM / FWTM: 18.0° / 40.0°            Efficiency: 80 %            Peak intensity: 4.8 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>CREE</b> LEDs</p> <p>LED: XQ-E HD            FWHM / FWTM: 16.0° / 33.0°            Efficiency: 86 %            Peak intensity: 6.9 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>CREE</b> LEDs</p> <p>LED: XQ-E HI            FWHM / FWTM: 11.0° / 28.0°            Efficiency: 80 %            Peak intensity: 10.7 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED: LUXEON A            FWHM / FWTM: 26.0° / 51.0°            Efficiency: 89 %            Peak intensity: 3.2 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>		

#### 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:



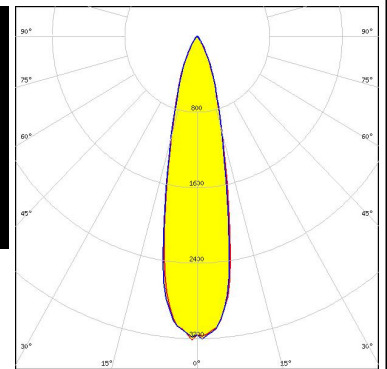
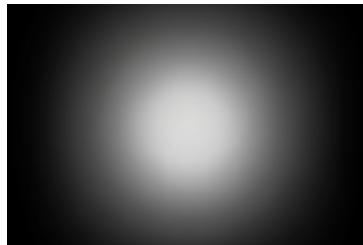
##### LUMILEDS

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:



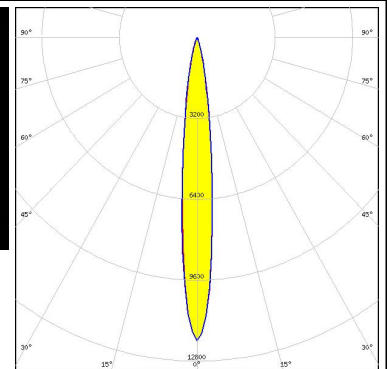
##### LUMILEDS

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

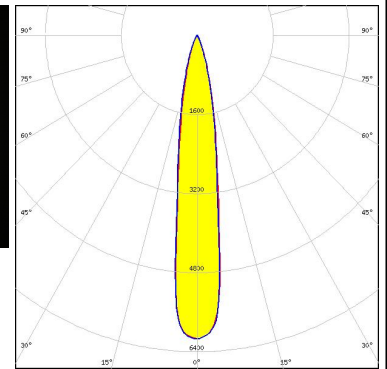
LED LUXEON Z  
 FWHM / FWTM 11.0° / 27.0°  
 Efficiency 85 %  
 Peak intensity 12.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (MEASURED):

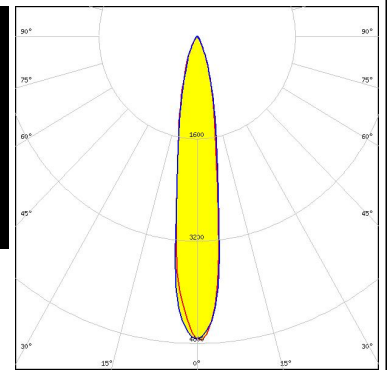
##### LUMILEDS

LED LUXEON Z ES  
 FWHM / FWTM 16.0° / 37.0°  
 Efficiency 89 %  
 Peak intensity 6.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



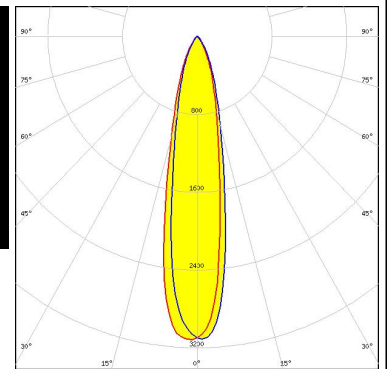
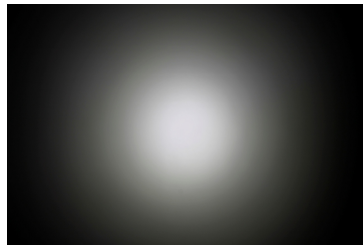
##### NICHIA

LED NCSxx19A  
 FWHM / FWTM 16.0° / 43.0°  
 Efficiency 84 %  
 Peak intensity 4.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



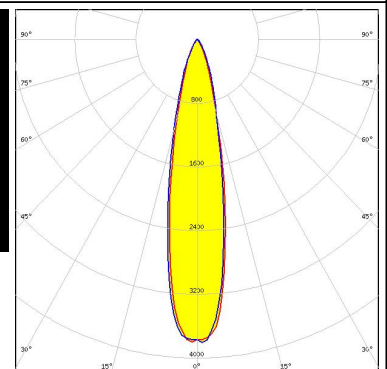
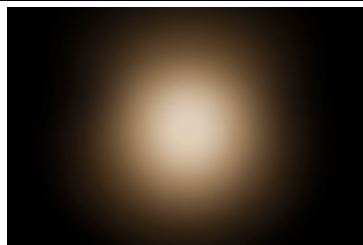
##### NICHIA

LED NVSxx19A  
 FWHM / FWTM 21.0° / 52.0°  
 Efficiency 81 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### OSRAM

Opto Semiconductors  
 LED OSLOM Square EC  
 FWHM / FWTM 22.0° / 47.0°  
 Efficiency 86 %  
 Peak intensity 3.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (MEASURED):

##### OSRAM

Opto Semiconductors

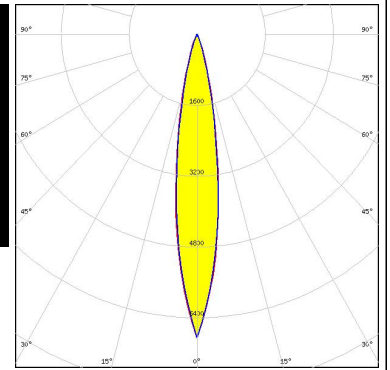
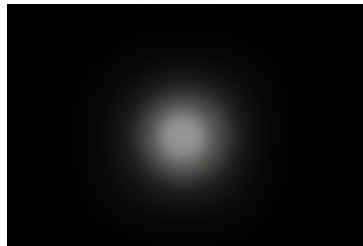
LED OSLON SSL 150  
FWHM / FWTM 16.0° / 39.0°  
Efficiency 87 %  
Peak intensity 8.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### 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:	

