

## LARISA-RS-CLIP8

~19° spot beam. Clip fastening for 0.8 mm thick PCB.

### SPECIFICATION:

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

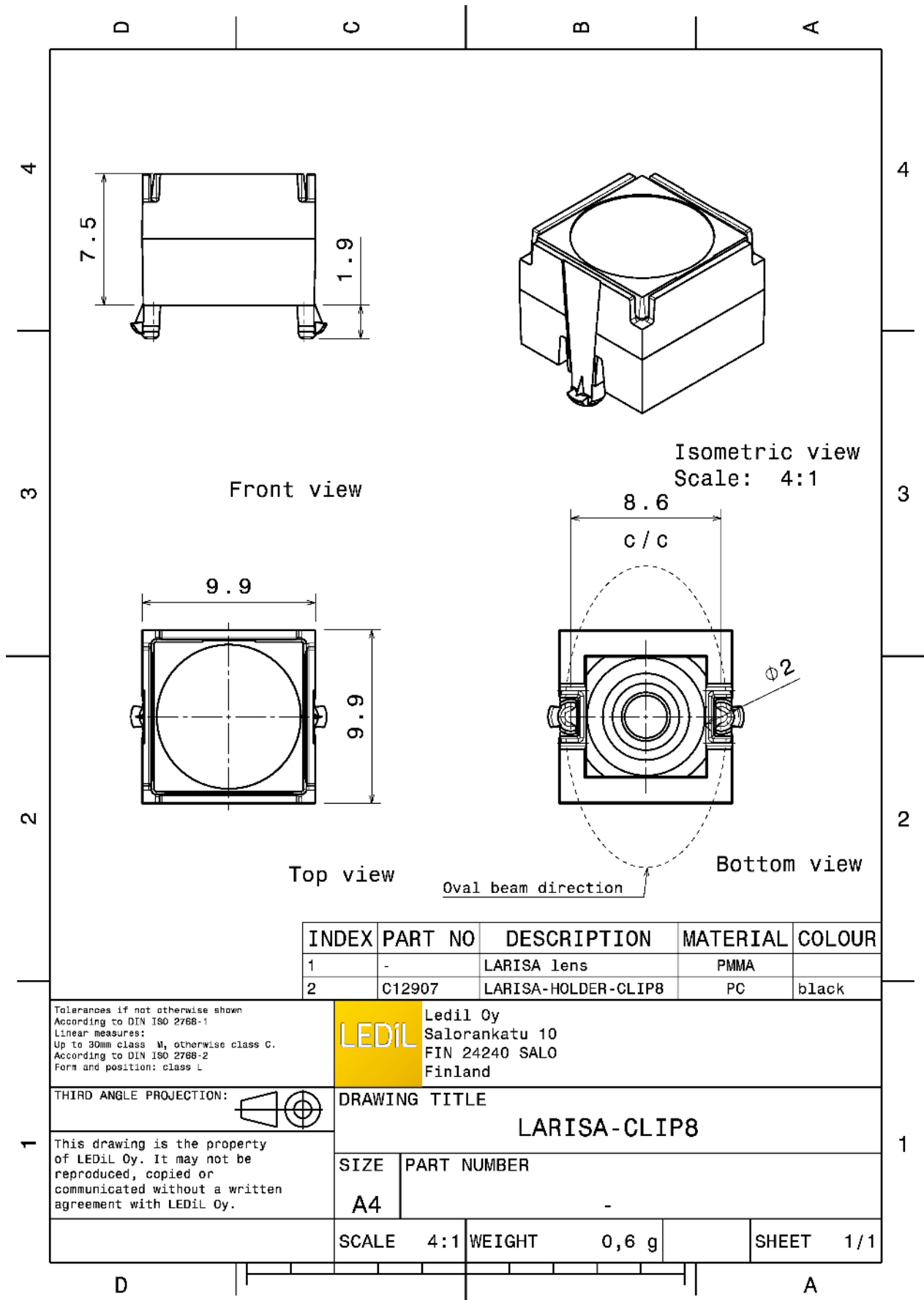


### MATERIALS:

Component	Type	Material	Colour	Finish
LARISA-RS	Single lens	PMMA	clear	
LARISA-HOLDER-CLIP8	Holder	PC	black	


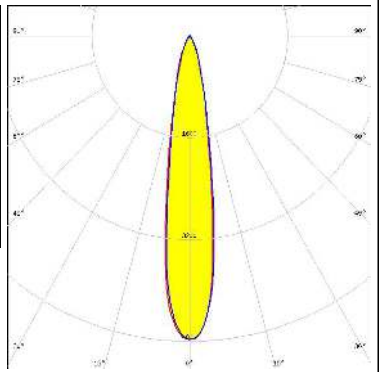

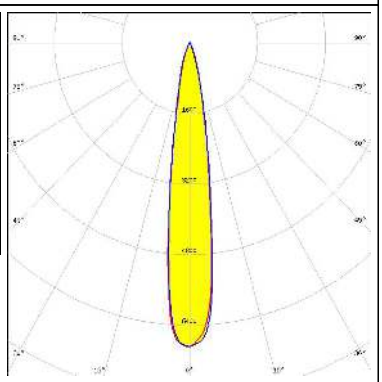

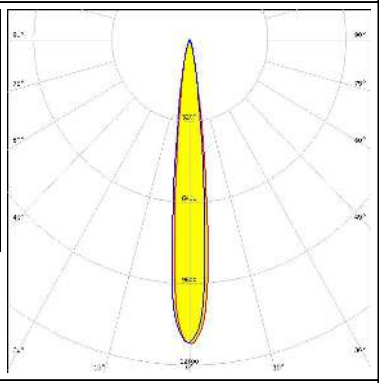

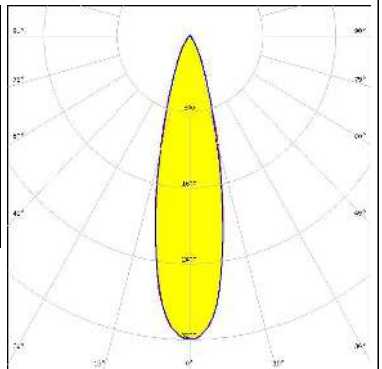
### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP12938_LARISA-RS-CLIP8	Single lens	10000	300	100	6.6
» 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)

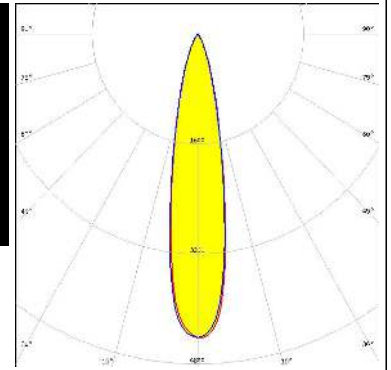
#### OPTICAL RESULTS (MEASURED):

<p><b>CREE</b> → <b>LED</b></p> <p>LED: XD16            FWHM / FWTM: 17.0° / 40.0°            Efficiency: 80 %            Peak intensity: 4.8 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>CREE</b> → <b>LED</b></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> → <b>LED</b></p> <p>LED: XQ-E HI            FWHM / FWTM: 12.0° / 25.0°            Efficiency: 87 %            Peak intensity: 12 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):

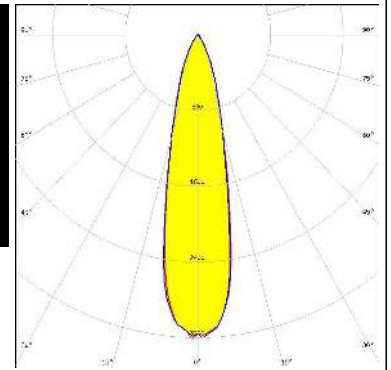
##### LUMILEDS

LED LUXEON 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:



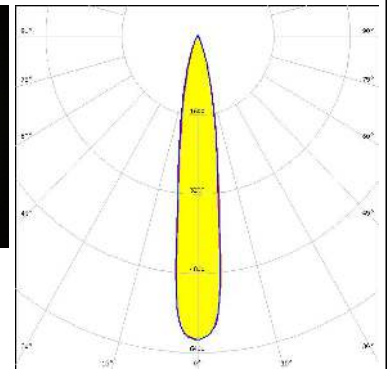
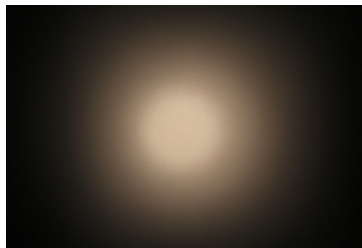
##### LUMILEDS

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:


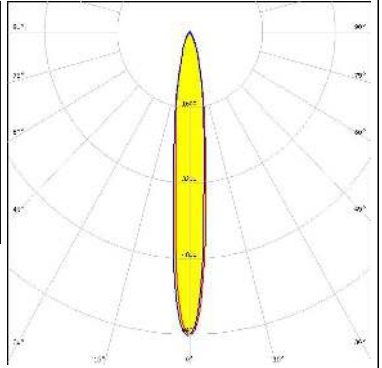
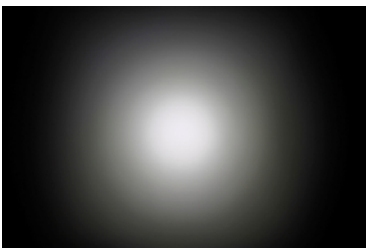
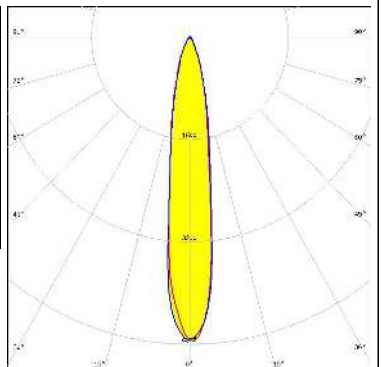
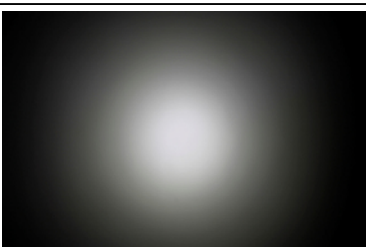
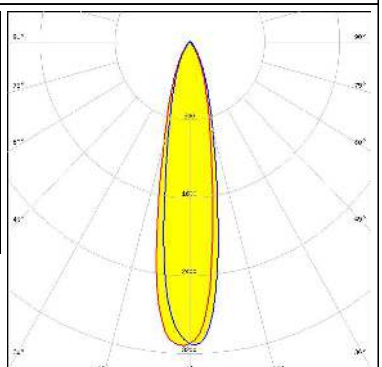
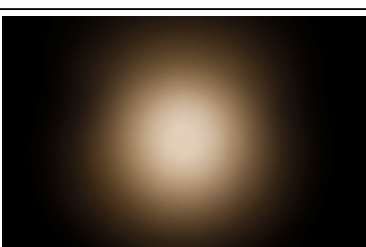
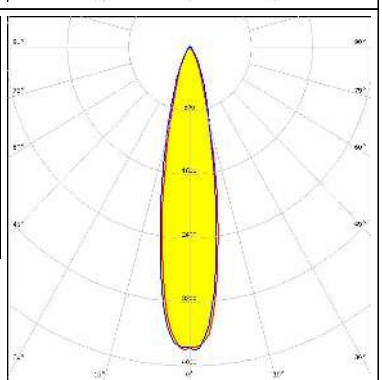


##### LUMILEDS


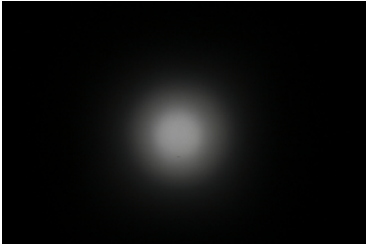
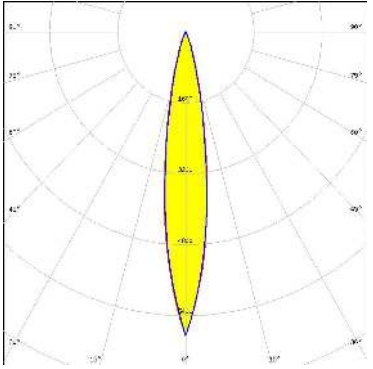
LED LUXEON Z ES  
 FWHM / FWTM 16.0° / 37.0°  
 Efficiency 89 %  
 Peak intensity 6.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (MEASURED):

<p><b>NICHIA</b></p> <p>LED NCSxE17A            FWHM / FWTM 12.0° / 35.0°            Efficiency 80 %            Peak intensity 6.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>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:</p>		
<p><b>NICHIA</b></p> <p>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:</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED OSLON 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:</p>		

#### OPTICAL RESULTS (MEASURED):

<b>OSRAM</b> 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:			
<b>OSRAM</b> 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:			



#### 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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