

## LARISA-RS-CLIP8

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

## SPECIFICATION:

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

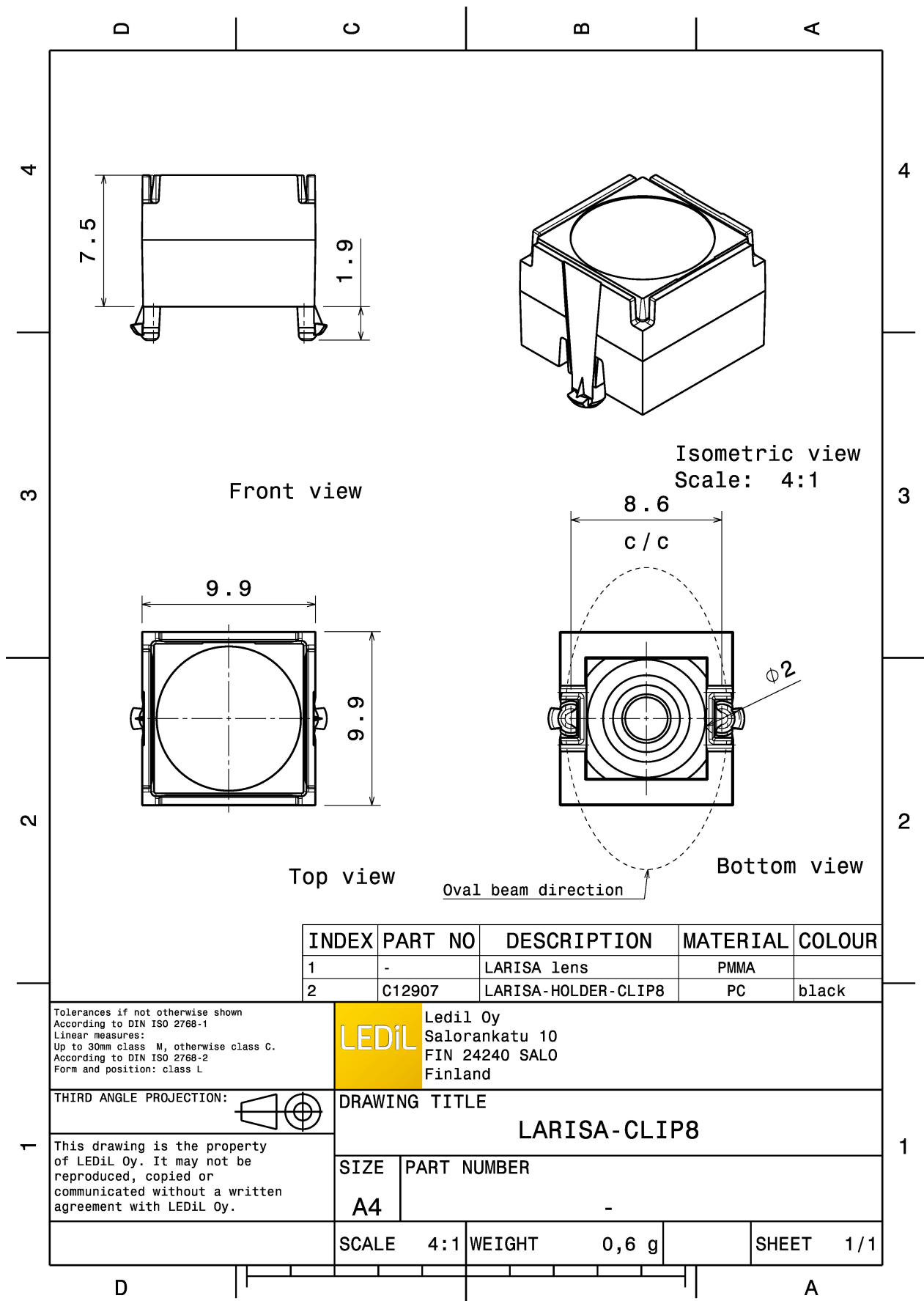


## MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
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					

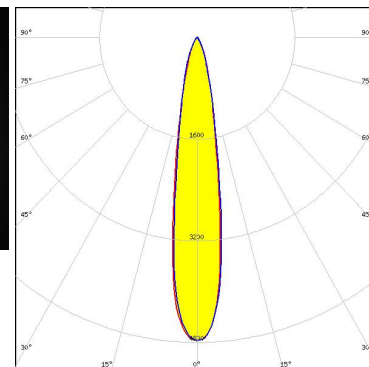
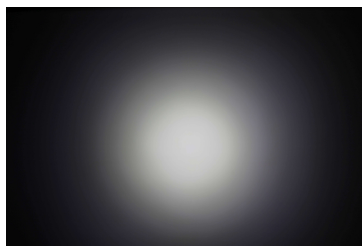


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



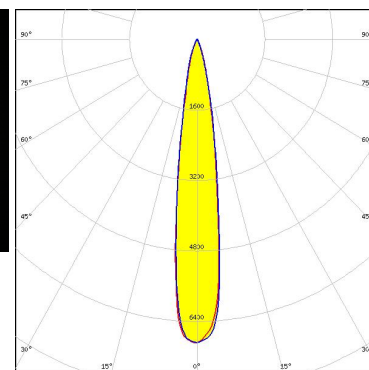
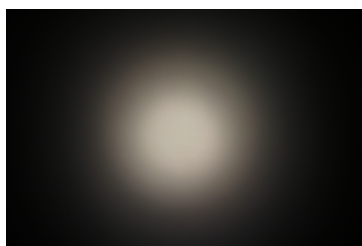
LED XD16  
 FWHM / FWTM 17.0° / 40.0°  
 Efficiency 80 %  
 Peak intensity 4.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



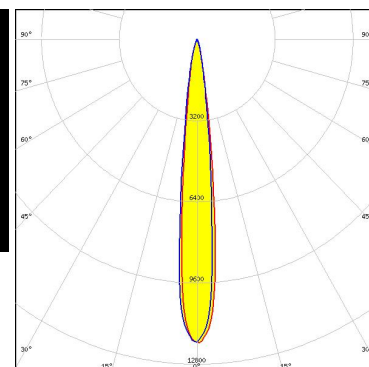
LED XQ-E HD  
 FWHM / FWTM 16.0° / 33.0°  
 Efficiency 86 %  
 Peak intensity 6.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XQ-E HI  
 FWHM / FWTM 12.0° / 25.0°  
 Efficiency 87 %  
 Peak intensity 12 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

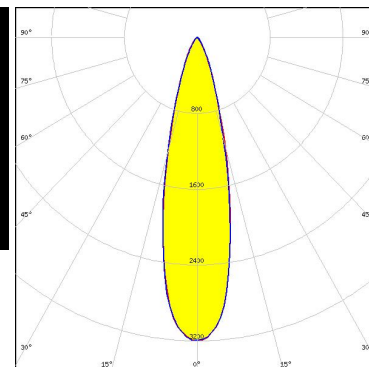
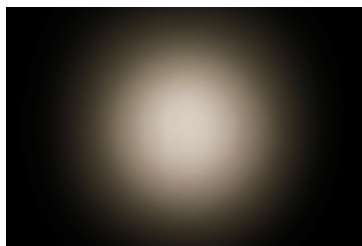


Light distribution files

#### OPTICAL RESULTS (MEASURED):



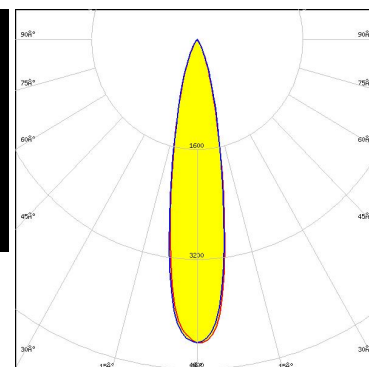
LED LUXEON A  
FWHM / FWTM 26.0° / 51.0°  
Efficiency 89 %  
Peak intensity 3.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



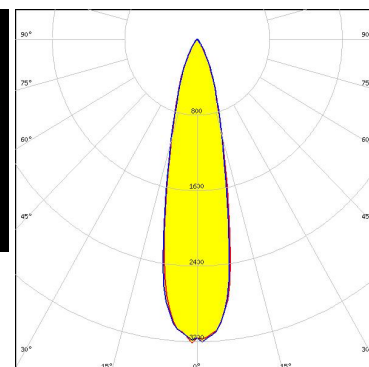
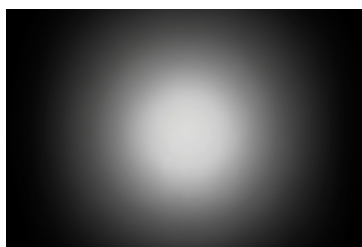
LED LUXEON Rebel  
FWHM / FWTM 20.0° / 45.0°  
Efficiency 90 %  
Peak intensity 4.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



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



Light distribution files

#### OPTICAL RESULTS (MEASURED):



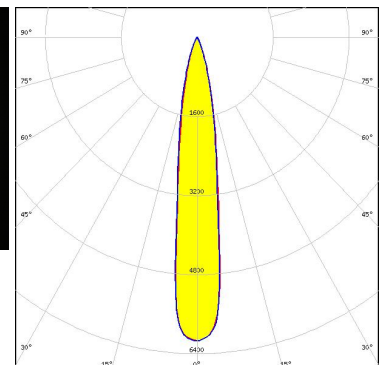
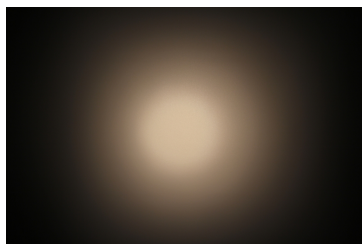
LED LUXEON Z  
FWHM / FWTM 11.0° / 27.0°  
Efficiency 85 %  
Peak intensity 12.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



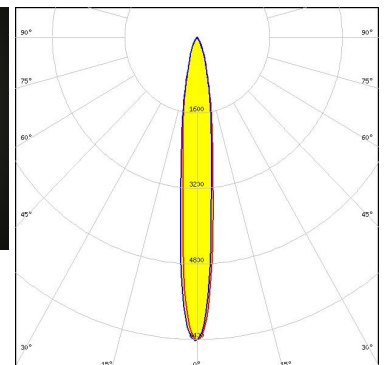
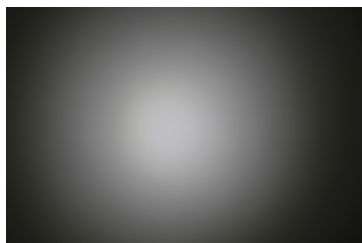
LED LUXEON Z ES  
FWHM / FWTM 16.0° / 37.0°  
Efficiency 89 %  
Peak intensity 6.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED NCSxE17A  
FWHM / FWTM 12.0° / 35.0°  
Efficiency 80 %  
Peak intensity 6.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

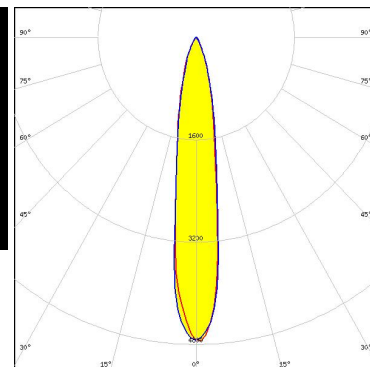
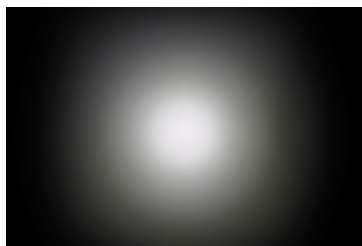


Light distribution files

#### OPTICAL RESULTS (MEASURED):



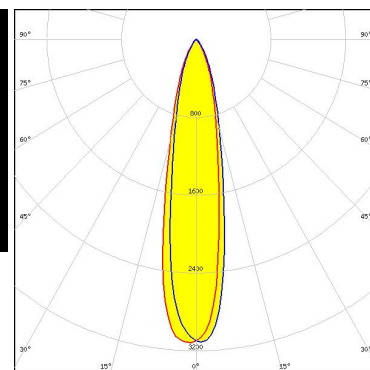
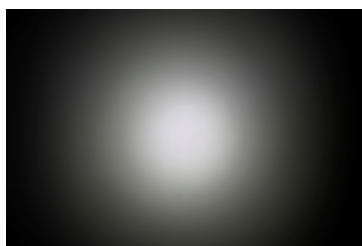
LED NCSxx19A  
FWHM / FWTM 16.0° / 43.0°  
Efficiency 84 %  
Peak intensity 4.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



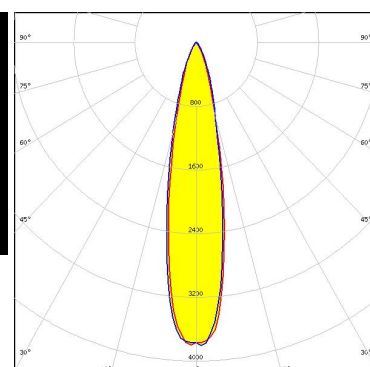
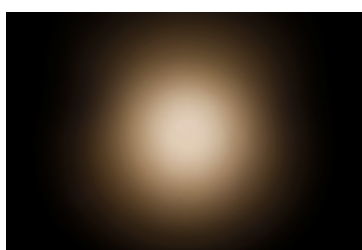
LED NVSxx19A  
FWHM / FWTM 21.0° / 52.0°  
Efficiency 81 %  
Peak intensity 3.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



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

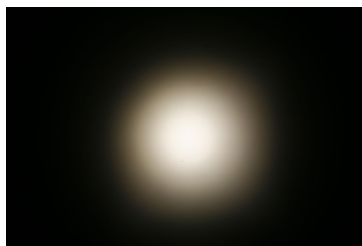


Light distribution files

## OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

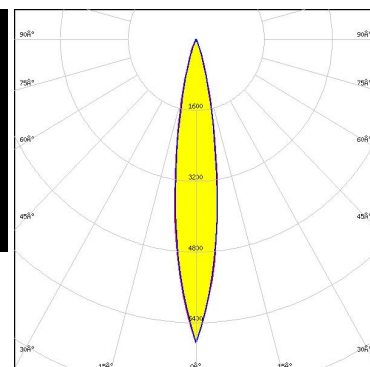
LED OSLON SSL 150  
FWHM / FWTM 16.0° / 39.0°  
Efficiency 87 %  
Peak intensity 8.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**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/type White  
Required components:

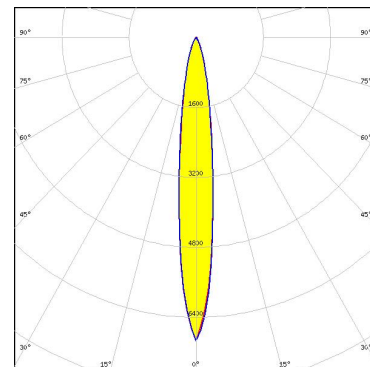


Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED	NCSxE17A
FWHM / FWTM	14.0° / 36.0°
Efficiency	83 %
Peak intensity	6.9 cd/Im
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



### 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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#### LEDiL Oy

Joensuunkatu 7  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B  
Casic Motor Building  
Shenzhen 518057  
P.R.CHINA

#### Local sales and technical support

[www.ledil.com/  
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#### Shipping locations

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