

## LARISA-W-CLIP16

~50° wide beam. Clip fastening for 1.6 mm thick PCB



### SPECIFICATION:

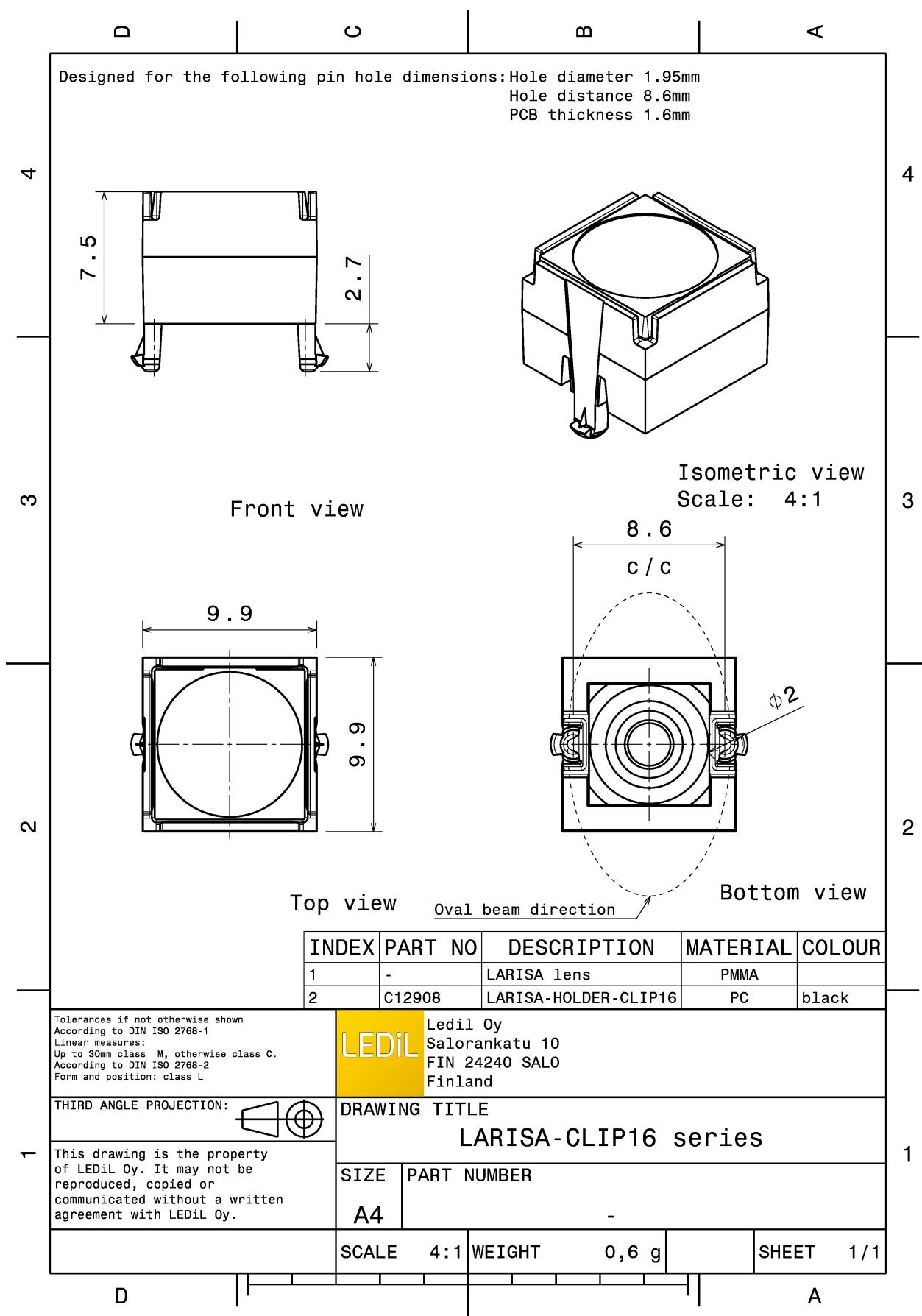
Dimensions	9.9 x 9.9 mm
Height	7.5 mm
Fastening	glue, clips
ROHS compliant	yes 

### MATERIALS:

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

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)	
CP12945_LARISA-W-CLIP16 » Box size: 300 x 250 x 250 mm	Single lens	10000	300	100	6.6

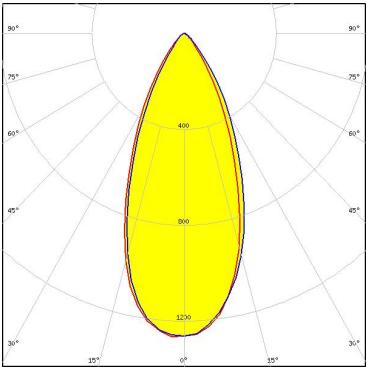


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

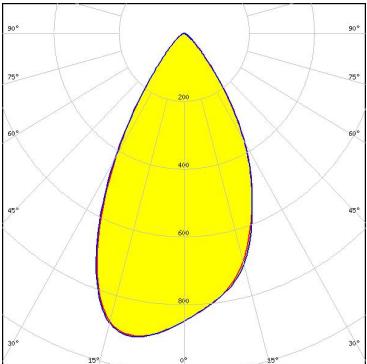
### OPTICAL RESULTS (MEASURED):



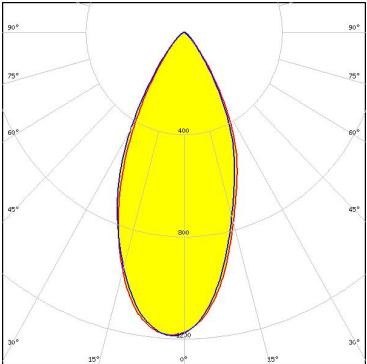
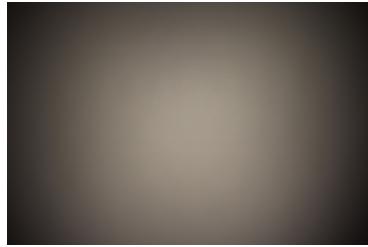
LED XB-D  
FWHM / FWTM 45.0° / 78.0°  
Efficiency 84 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



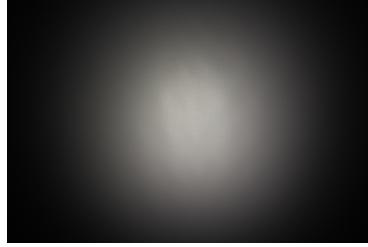
LED XD16  
FWHM / FWTM 56.0° / 86.0°  
Efficiency 80 %  
Peak intensity 0.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XQ-E HD  
FWHM / FWTM 46.0° / 80.0°  
Efficiency 84 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



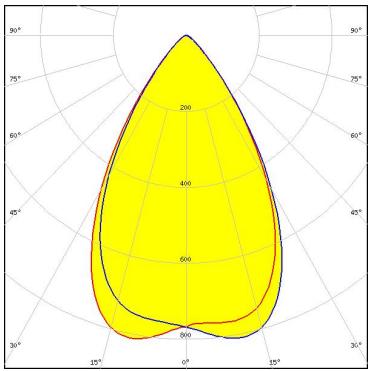
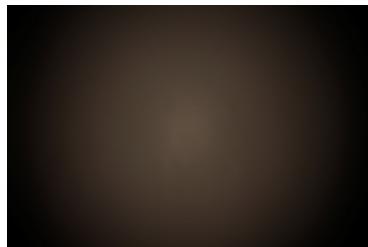
LED XQ-E HI  
FWHM / FWTM 36.0° / 72.0°  
Efficiency 79 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### OPTICAL RESULTS (MEASURED):

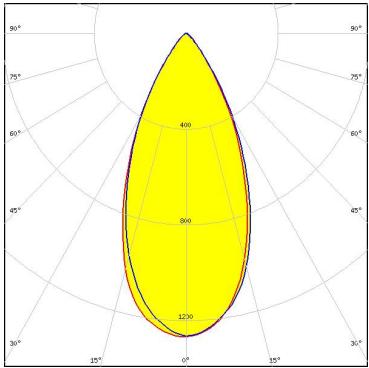
#### LUMILEDS

LED LUXEON A  
FWHM / FWTM 63.0° / 91.0°  
Efficiency 86 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



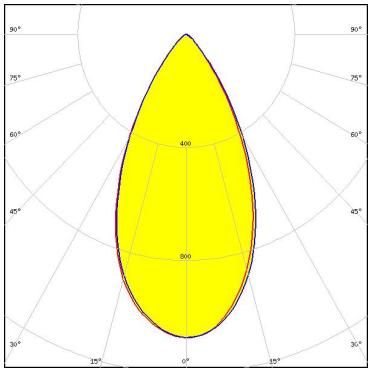
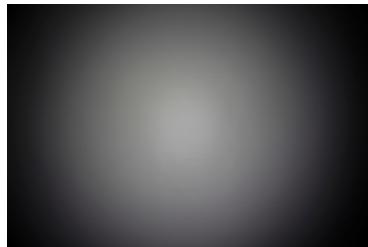
#### LUMILEDS

LED LUXEON Rebel  
FWHM / FWTM 47.0° / 78.0°  
Efficiency 88 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### LUMILEDS

LED LUXEON Rebel ES  
FWHM / FWTM 52.0° / 85.0°  
Efficiency 87 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### LUMILEDS

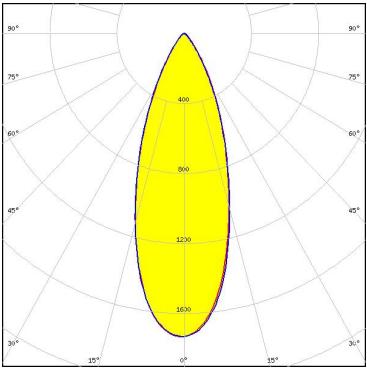
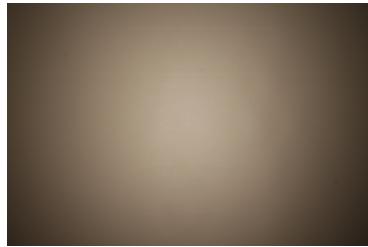
LED LUXEON Z  
FWHM / FWTM 32.0° / 68.0°  
Efficiency 85 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### OPTICAL RESULTS (MEASURED):

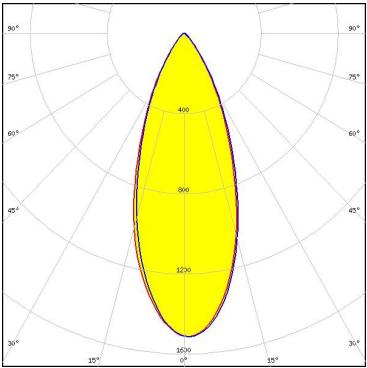
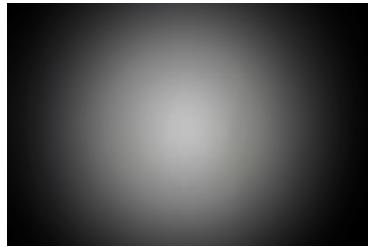
#### LUMILEDS

LED LUXEON Z ES  
FWHM / FWTM 37.0° / 69.0°  
Efficiency 88 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



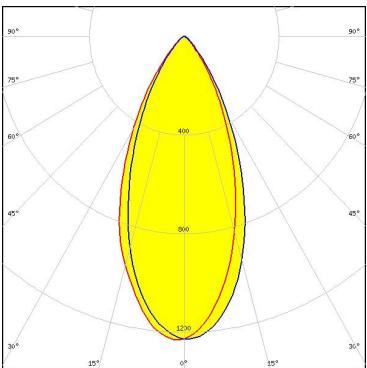
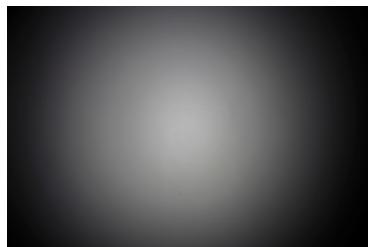
#### NICHIA

LED NCSxx19A  
FWHM / FWTM 39.0° / 73.0°  
Efficiency 85 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



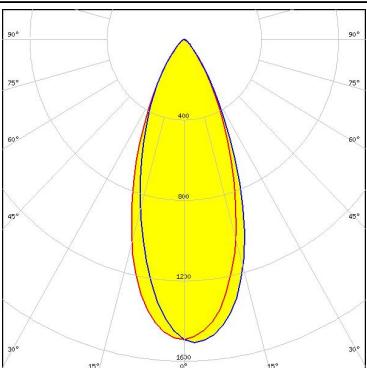
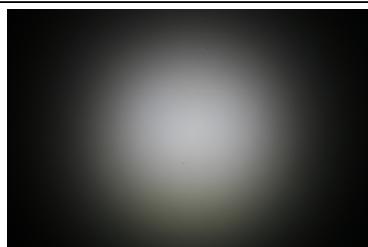
#### NICHIA

LED NVSxx19A  
FWHM / FWTM 45.0° / 80.0°  
Efficiency 84 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### OSRAM

Opto Semiconductors  
LED Duris S5 (2 chip)  
FWHM / FWTM 41.0° / 76.0°  
Efficiency 85 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

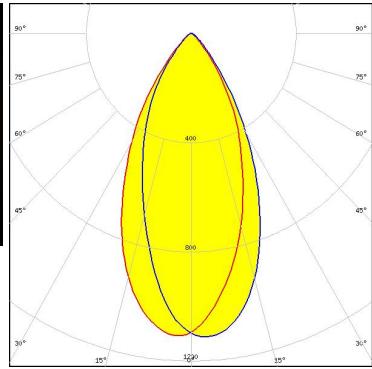
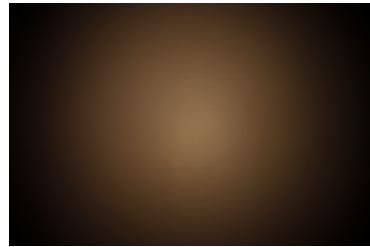


## OPTICAL RESULTS (MEASURED):

### OSRAM

Opto Semiconductors

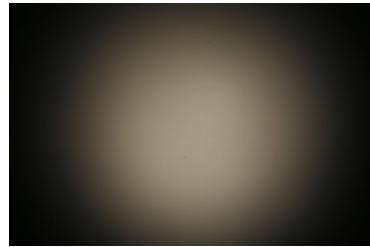
LED OSLON Square EC  
FWHM / FWTM 46.0° / 83.0°  
Efficiency 82 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### OSRAM

Opto Semiconductors

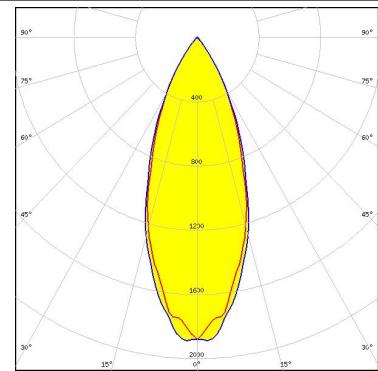
LED OSLON SSL 150  
FWHM / FWTM 55.0° / 81.0°  
Efficiency 86 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



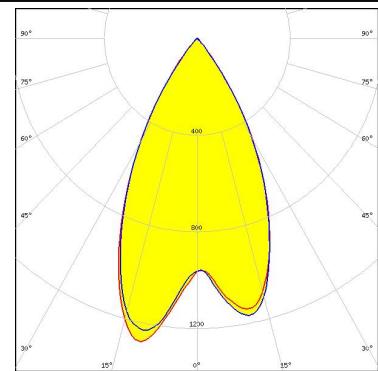
## OPTICAL RESULTS (SIMULATED):



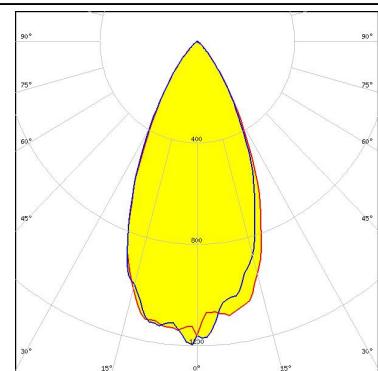
LED XP-E  
FWHM / FWTM 39.0°  
Efficiency 95 %  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON Rubix  
FWHM / FWTM 54.0° / 78.0°  
Efficiency 95 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED OSLON SSL 80  
FWHM / FWTM 49.0° / 80.0°  
Efficiency 83 %  
Peak intensity 1.2 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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**LEDiL Oy**  
Joensuunkatu 13  
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

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