

## LARISA-W-CLIP16

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

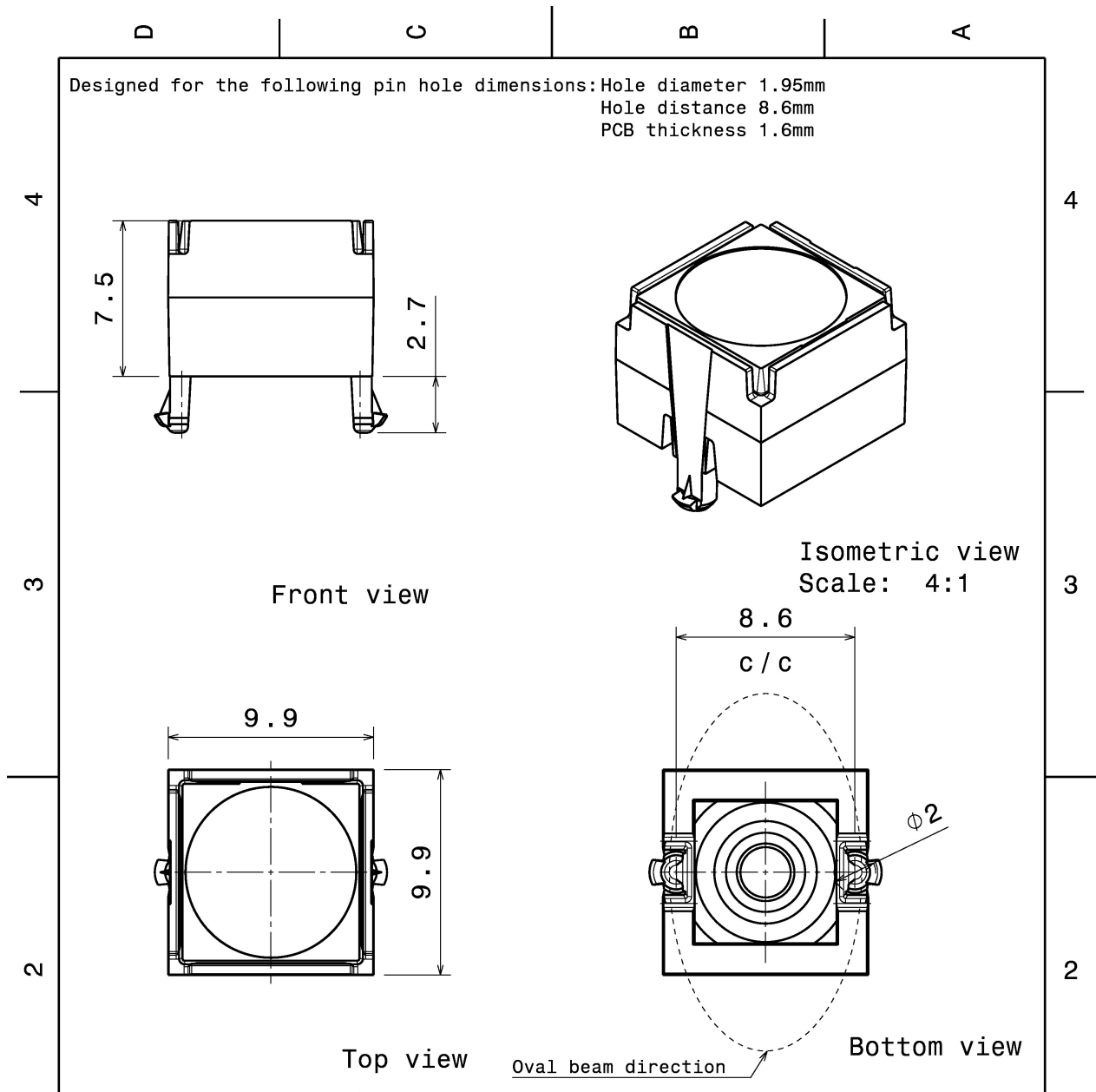
### TECHNICAL SPECIFICATIONS:

Dimensions	9.9 x 9.9 mm
Height	7.5 mm
Fastening	glue, clips
Colour	black
Box size	
Box weight	6.6 kg
Quantity in Box	10000 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
LARISA-W	Lens	PMMA	clear
LARISA-HOLDER-CLIP16	Holder	PC	black



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	-	LARISA lens	PMMA	
2	C12908	LARISA-HOLDER-CLIP16	PC	black

Tolerances if not otherwise shown  
According to DIN ISO 2768-1  
Linear measures:  
Up to 30mm class M, otherwise class C.  
According to DIN ISO 2768-2  
Form and position: class L

**LEDiL**

Ledil Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE

LARISA-CLIP16 series

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SIZE PART NUMBER

A4

0,6 g

SCALE

4:1

WEIGHT

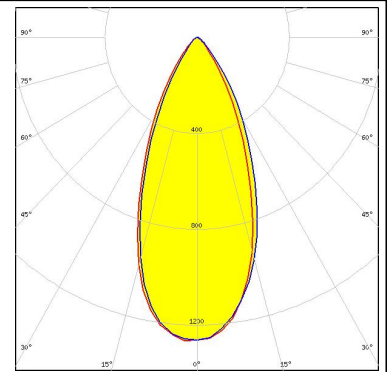
SHEET

1/1

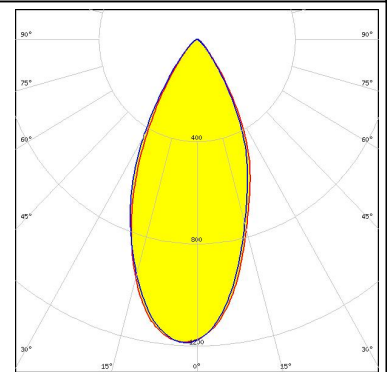
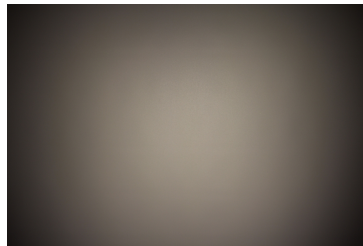
#### PHOTOMETRIC DATA (MEASURED):



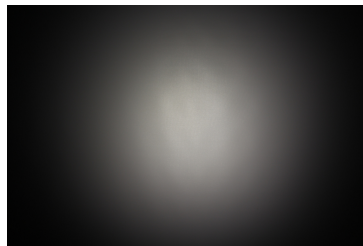
LED XB-D  
 FWHM 45.0°  
 Efficiency 84 %  
 Peak intensity 1.300 cd/lm  
 Required components:



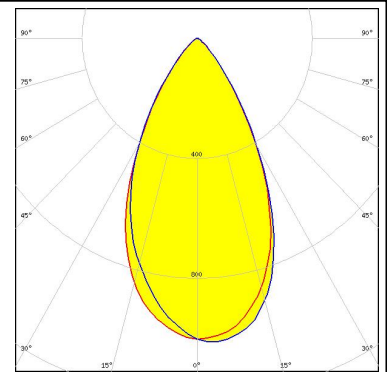
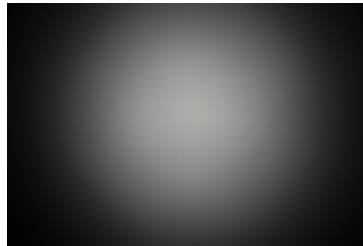
LED XQ-E  
 FWHM 46.0°  
 Efficiency 84 %  
 Peak intensity 1.200 cd/lm  
 Required components:



LED XQ-E HI  
 FWHM 36.0°  
 Efficiency 79 %  
 Peak intensity 1.700 cd/lm  
 Required components:



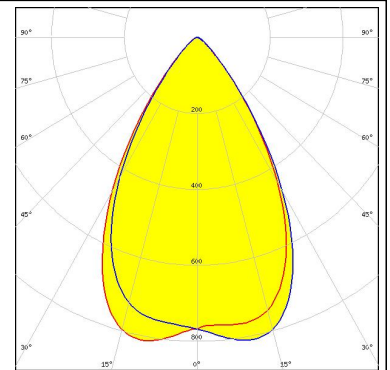
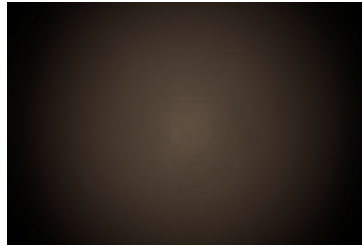
LED H35C0 (LEMWA33)  
 FWHM 55.0°  
 Efficiency 82 %  
 Peak intensity 1.000 cd/lm  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

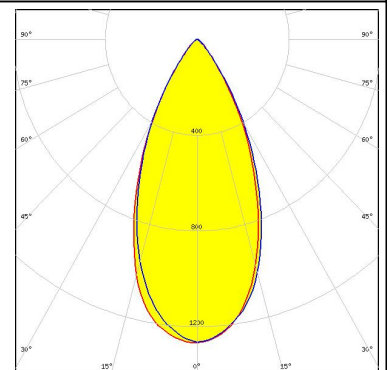
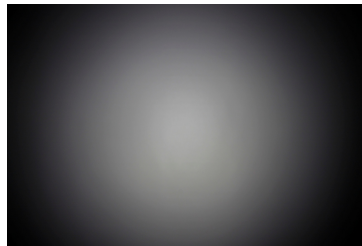
##### LUMILEDS

LED LUXEON A  
 FWHM 63.0°  
 Efficiency 86 %  
 Peak intensity 0.800 cd/lm  
 Required components:



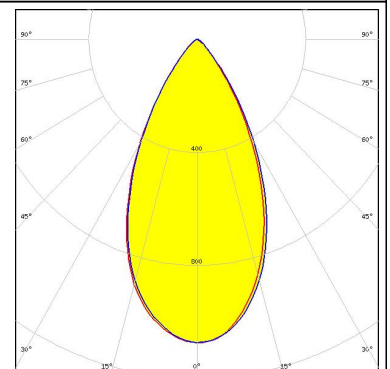
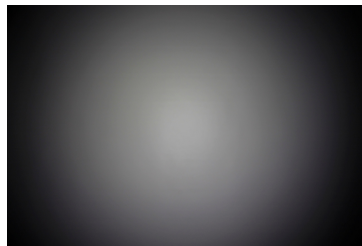
##### LUMILEDS

LED LUXEON Rebel  
 FWHM 47.0°  
 Efficiency 88 %  
 Peak intensity 1.300 cd/lm  
 Required components:



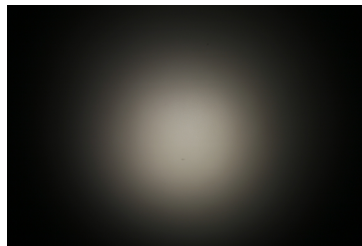
##### LUMILEDS

LED LUXEON Rebel ES  
 FWHM 52.0°  
 Efficiency 87 %  
 Peak intensity 1.100 cd/lm  
 Required components:

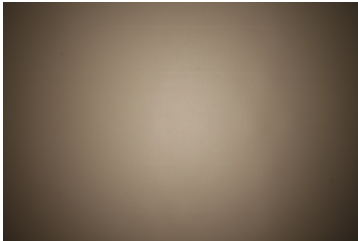
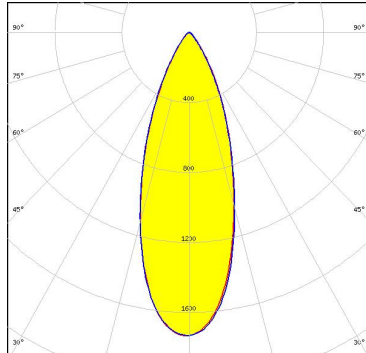
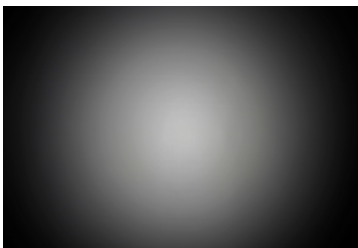
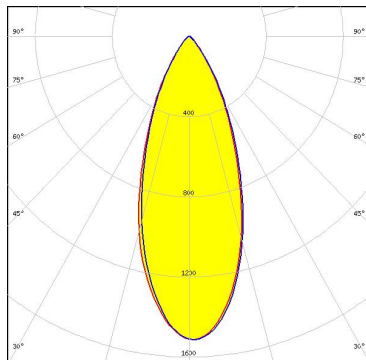

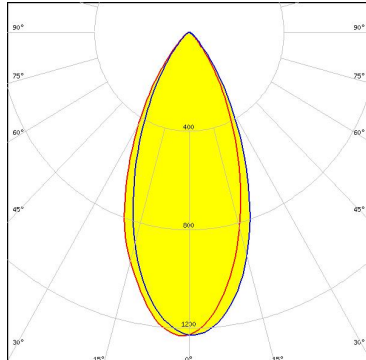
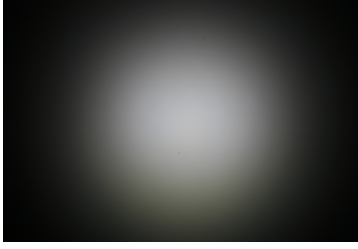
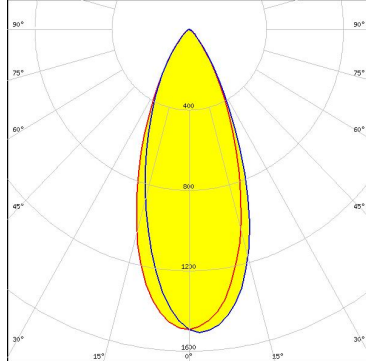


##### LUMILEDS

LED LUXEON Z  
 FWHM 32.0°  
 Efficiency 85 %  
 Peak intensity 2.090 cd/lm  
 Required components:



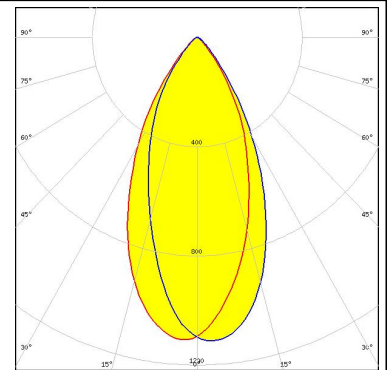
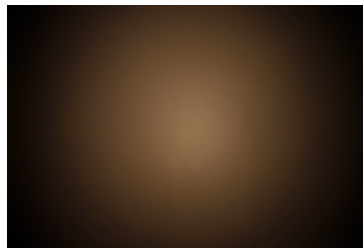
#### PHOTOMETRIC DATA (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON Z ES</p> <p>FWHM 37.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 1.740 cd/lm</p> <p>Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NCSxx19A</p> <p>FWHM 39.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 1.500 cd/lm</p> <p>Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSxx19A</p> <p>FWHM 45.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 1.200 cd/lm</p> <p>Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Duris S5 (2 chip)</p> <p>FWHM 41.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 1.500 cd/lm</p> <p>Required components:</p>		

#### PHOTOMETRIC DATA (MEASURED):

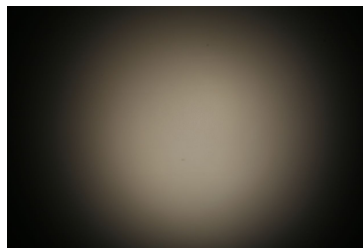
**OSRAM**  
Opto Semiconductors

LED Oslon Square EC  
FWHM 46.0°  
Efficiency 82 %  
Peak intensity 1.100 cd/lm  
Required components:



**OSRAM**  
Opto Semiconductors

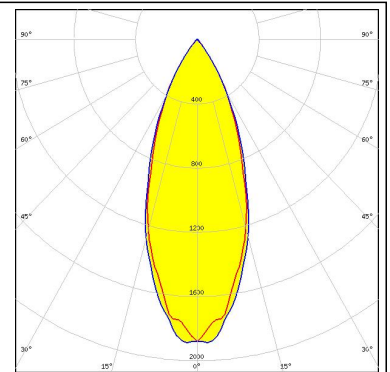
LED Oslon SSL 150  
FWHM 55.0°  
Efficiency 86 %  
Peak intensity 1.200 cd/lm  
Required components:



#### PHOTOMETRIC DATA (SIMULATED):

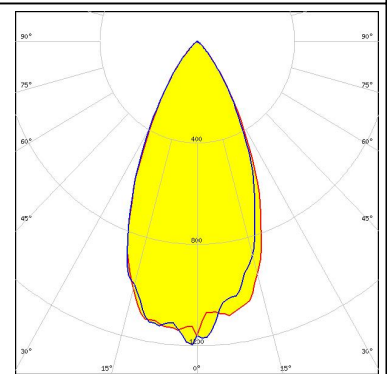
**CREE** 

LED XP-E  
FWHM 39.0°  
Efficiency 95 %  
Peak intensity cd/lm  
Required components:



**OSRAM**  
Opto Semiconductors

LED Oslon SSL 80  
FWHM 49.0°  
Efficiency 83 %  
Peak intensity 1.160 cd/lm  
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

#### Local sales and technical support

[www.ledil.com/where\\_to\\_buy](http://www.ledil.com/where_to_buy)

#### Shipping locations

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