

### LARISA

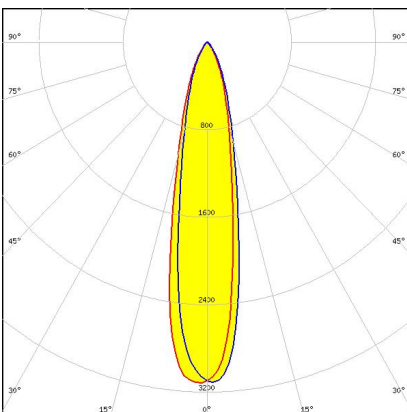
**10 x 10 mm square-shaped lenses with various mounting options for up to 3535 size LED packages**

Small in size but high in efficiency. This versatile lens family is based on a convenient 10 x 10 mm footprint. Uniform size makes clustering easy and installation clips help mounting on to the PCB. LARISA family features a comprehensive range of beam angles from real spot to extra wide, including oval and RZ. It also has three different holder types with two types of clips and pins and has very good efficiency for its size of up to 90 %.



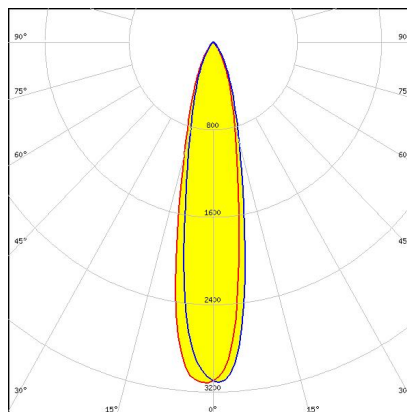
### PRODUCTS:

#### CP12938\_LARISA-RS-CLIP8



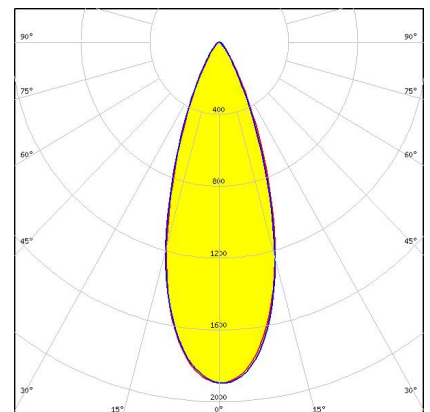
**Dimensions: 9.9 mm x 9.9 mm**  
**Height: 7.50 mm**  
~19° spot beam. Clip fastening for 0.8 mm thick PCB.

#### CP12939\_LARISA-RS-CLIP16



**Dimensions: 9.9 mm x 9.9 mm**  
**Height: 7.50 mm**  
~19° real spot beam. Clip fastening for 1.6 mm thick PCB

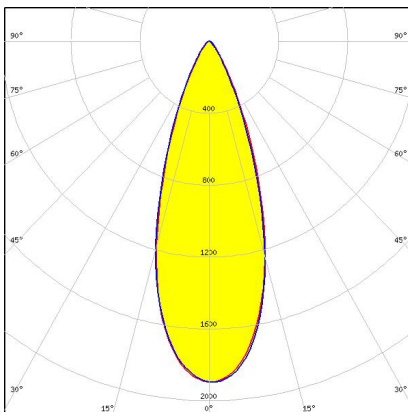
#### CP12940\_LARISA-M-CLIP8



**Dimensions: 9.9 mm x 9.9 mm**  
**Height: 7.50 mm**  
~30° medium beam. Clip fastening for 0.8 mm thick PCB.

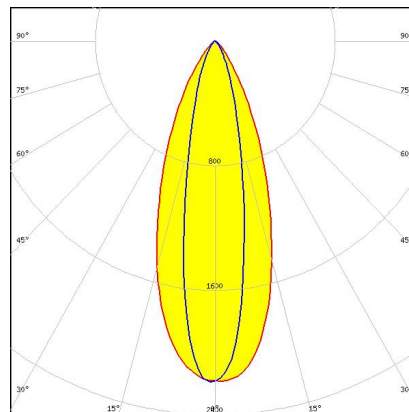
### PRODUCTS:

CP12941\_LARISA-M-CLIP16



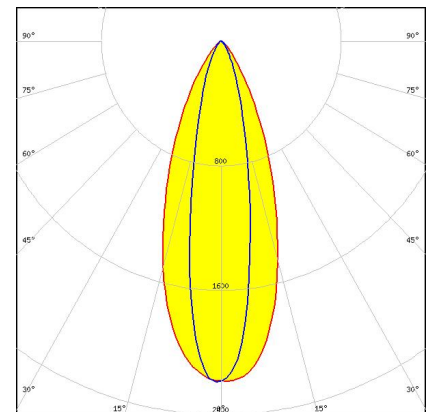
**Dimensions: 9.9 mm x 9.9 mm**  
**Height: 7.50 mm**  
 ~30° medium beam. Clip fastening  
 for 1.6 mm thick PCB.

CP12942\_LARISA-O-CLIP8



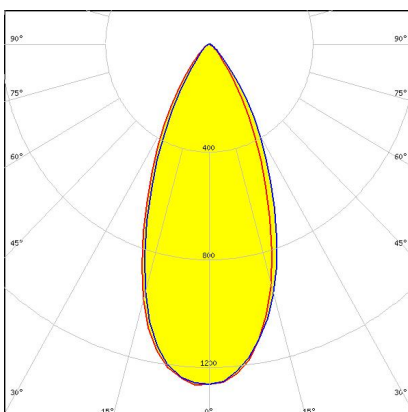
**Dimensions: 9.9 mm x 9.9 mm**  
**Height: 7.50 mm**  
 ~40° x 20° oval beam. Clip fastening  
 for 0.8 mm thick PCB.

CP12943\_LARISA-O-CLIP16



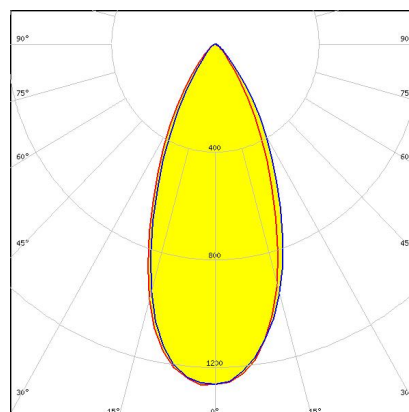
**Dimensions: 9.9 mm x 9.9 mm**  
**Height: 7.50 mm**  
 ~40° x 20° oval beam. Clip fastening  
 for 1.6 mm thick PCB.

CP12944\_LARISA-W-CLIP8



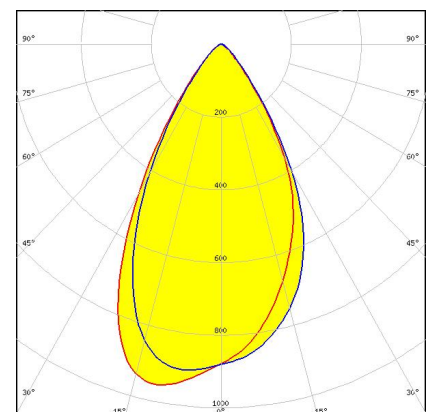
**Dimensions: 9.9 mm x 9.9 mm**  
**Height: 7.50 mm**  
 ~50° wide beam. Clip fastening for  
 0.8 mm thick PCB

CP12945\_LARISA-W-CLIP16



**Dimensions: 9.9 mm x 9.9 mm**  
**Height: 7.50 mm**  
 ~50° wide beam. Clip fastening for  
 1.6 mm thick PCB

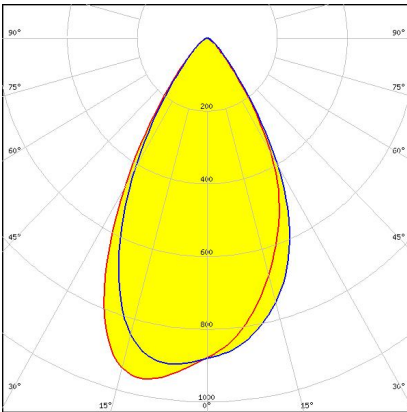
CP12946\_LARISA-WW-CLIP8



**Dimensions: 10.0 mm x 10.0 mm**  
**Height: 7.50 mm**  
 ~55° wide beam. Clip fastening for  
 0.8 mm thick PCB

### PRODUCTS:

CP12947\_LARISA-WW-CLIP16



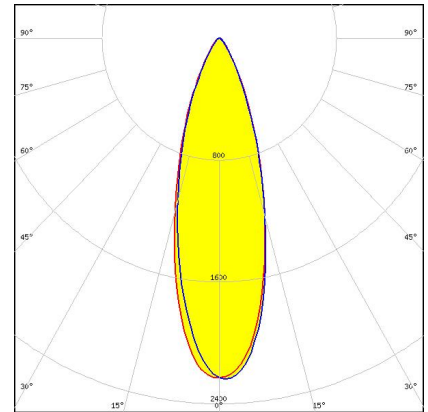
**Dimensions: 10.0 mm x 10.0 mm**  
**Height: 7.50 mm**  
~55° wide beam. Clip fastening for  
1.6 mm thick PCB

CP13134\_LARISA-RS-CLIP16



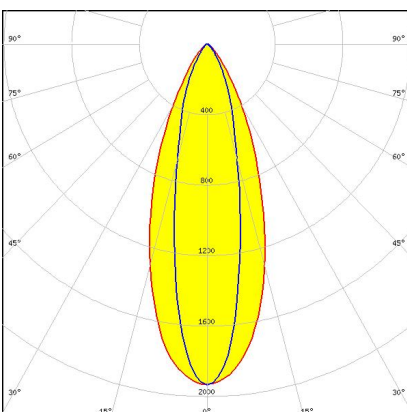
**Dimensions: 9.9 mm x 9.9 mm**  
**Height: 7.30 mm**  
~20° spot beam. Clip fastening for  
1.6 mm thick PCB.

CP13135\_LARISA-M-CLIP16



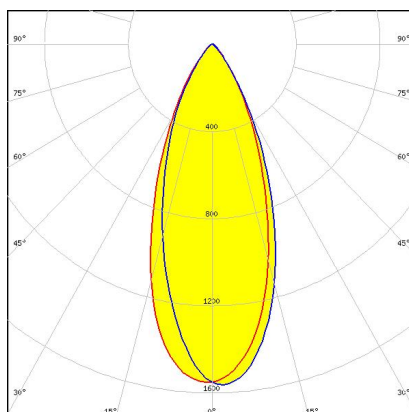
**Dimensions: 9.9 mm x 9.9 mm**  
**Height: 7.30 mm**  
~30° medium beam optimized for  
NICHIA 757. Clip fastening for 1.6  
mm thick PCB.

CP13136\_LARISA-O-CLIP16



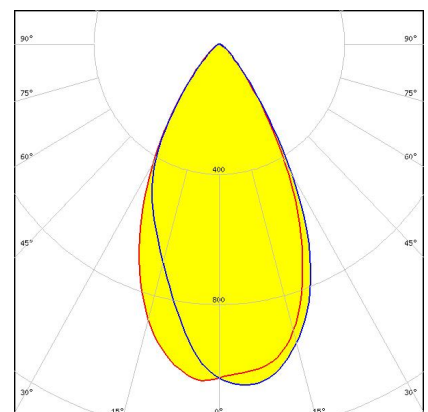
**Dimensions: 9.9 mm x 9.9 mm**  
**Height: 7.30 mm**  
~40° x 20° oval beam optimized for  
NICHIA 757. Clip fastening for 1.6  
mm thick PCB.

CP13137\_LARISA-W-CLIP16



**Dimensions: 9.9 mm x 9.9 mm**  
**Height: 7.30 mm**  
~50° wide beam optimized for  
NICHIA 757. Clip fastening for 1.6  
mm thick PCB.

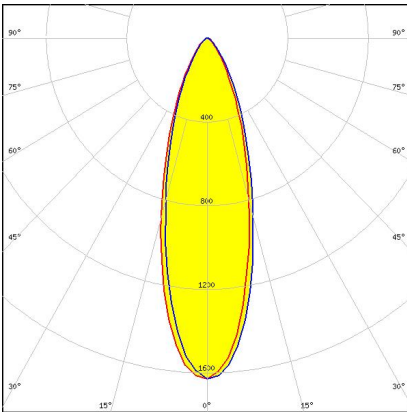
CP13138\_LARISA-WW-CLIP16



**Dimensions: 9.9 mm x 9.9 mm**  
**Height: 7.30 mm**  
~55° wide beam optimized for  
NICHIA 757. Clip fastening for 1.6  
mm thick PCB.

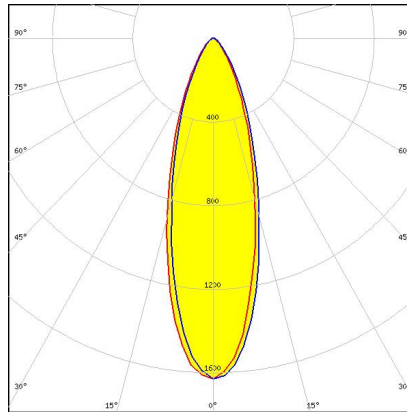
### PRODUCTS:

#### CP13665\_LARISA-RZ-CLIP8



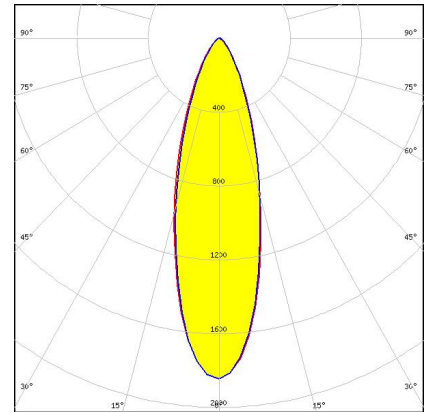
**Dimensions: 9.9 mm x 9.9 mm**  
**Height: 7.50 mm**  
 ~25° diffused beam. Clip fastening  
 for 0.8 mm thick PCB

#### CP13666\_LARISA-RZ-CLIP16



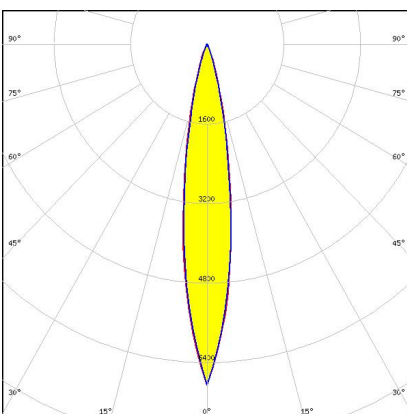
**Dimensions: 9.9 mm x 9.9 mm**  
**Height: 7.50 mm**  
 ~25° diffused beam. Clip fastening  
 for 1.6 mm thick PCB

#### CP13667\_LARISA-RZ-CLIP16



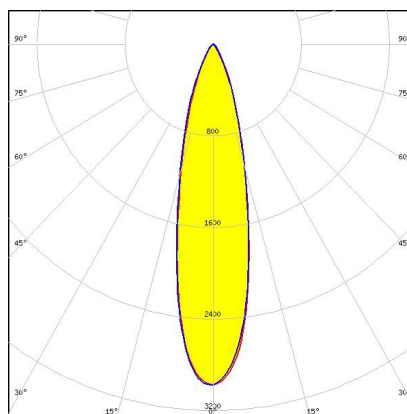
**Dimensions: 9.9 mm x 9.9 mm**  
**Height: 7.50 mm**  
 ~25° diffused beam optimized for  
 NICHIA 757. Clip fastening for 1.6  
 mm thick PCB

#### CP15304\_LARISA-RS-PIN



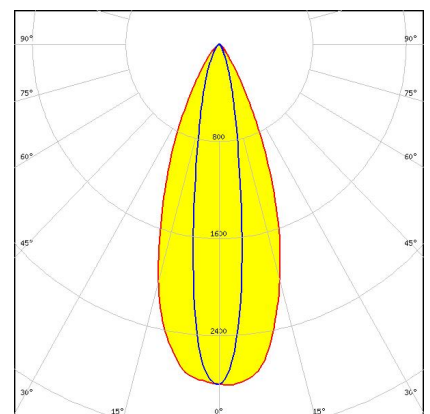
**Dimensions: 9.9 mm x 9.9 mm**  
**Height: 7.50 mm**  
 ~19° spot beam and holder with  
 location pins

#### CP15305\_LARISA-M-PIN



**Dimensions: 9.9 mm x 9.9 mm**  
**Height: 7.50 mm**  
 ~30° medium beam and holder with  
 location pins

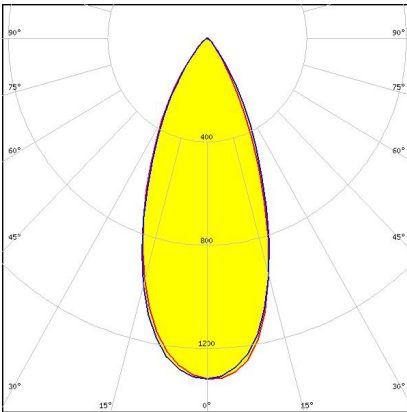
#### CP15306\_LARISA-O-PIN



**Dimensions: 9.9 mm x 9.9 mm**  
**Height: 7.50 mm**  
 ~40° x 20° oval beam and holder  
 with location pins

### PRODUCTS:

#### CP15307\_LARISA-W-PIN

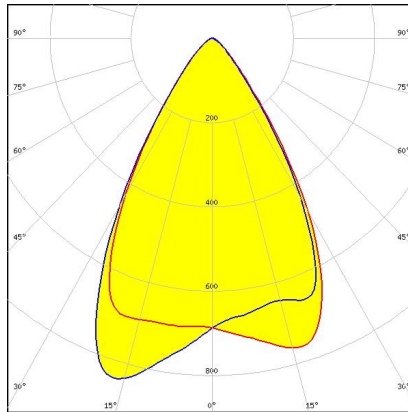


**Dimensions: 9.9 mm x 9.9 mm**

**Height: 7.50 mm**

~50° wide beam and holder with  
location pins

#### CP15308\_LARISA-WW-PIN

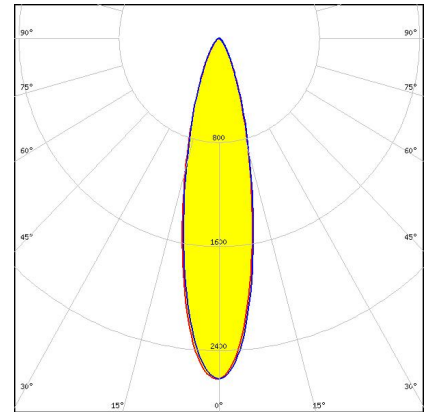


**Dimensions: 9.9 mm x 9.9 mm**

**Height: 7.50 mm**

~55° wide beam and holder with  
location pins

#### CP15309\_LARISA-RZ-PIN



**Dimensions: 9.9 mm x 9.9 mm**

**Height: 7.50 mm**

~25° diffused beam and holder with  
location pins

### 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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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