

LARISA — New miniature optics family from LEDiL

Small in size but high in efficiency. This versatile lens family is based on a convenient 10x10 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. It has very good efficiency considering it's size, up to 90%. LARISA family comprehensively supports different LEDs from all of the largest LED manufacturers, including Cree, Nichia, Philips Lumileds and Osram.

FEATURES and BENEFITS

- Complete range of beam patterns; Real Spot, Medium, Wide, Extra Wide and Oval.
- Easy mounting with installation clips for 0,8 mm and 1,6 mm PCB thicknesses
- Diameter 9,9 x 9,9 mm, height 7,5 mm
- Holder is made of PC and lens precision-moulded from optical grade PMMA
- RoHS compliant and UL94 HB rated material with high operating temperature

MARKETS and TYPICAL APPLICATIONS

- Retail lighting
- Arrays and linear lights



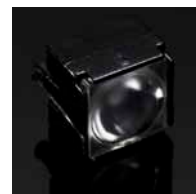
LARISA-RS

PMMA / Black PC
H: 7,5 mm
D: 9,9 x 9,9 mm
Beam type: Real Spot
Typ. efficiency: 90%



LARISA-M

PMMA / Black PC
H: 7,5 mm
D: 9,9 x 9,9 mm
Beam type: Medium
Typ. efficiency: 88%



LARISA-W

PMMA / Black PC
H: 7,5 mm
D: 9,9 x 9,9 mm
Beam type: Wide
Efficiency: 88%



LARISA-WW

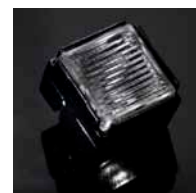
PMMA / Black PC
H: 7,5 mm
D: 9,9 x 9,9 mm
Beam type: Extra Wide
Efficiency: 86%

Coming
soon!



LARISA-RZ

Beam type: Color mix

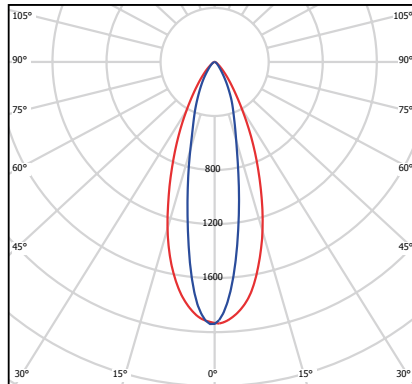


LARISA-O

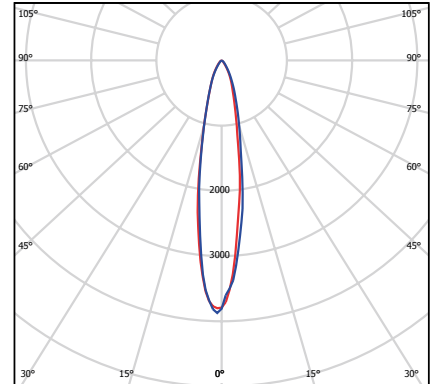
PMMA / Black PC
H: 7,5 mm
D: 9,9 x 9,9 mm
Beam type: Oval
Efficiency: 84%

TECHNICAL SPECIFICATIONS

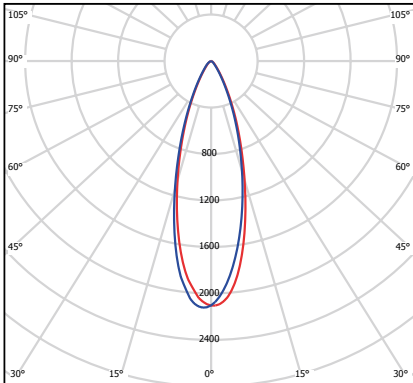
- Dimensions; 9,9 x 9,9 x 7,5 mm
- Mounts directly on MCPCB with clips
- Two clip versions available for 0,8 mm [-CLIP8] and 1,6 mm [-CLIP16] MCPCB thicknesses
- Precision-molded from optical grade PMMA – UL94 HB rated material with wide operating temperature range



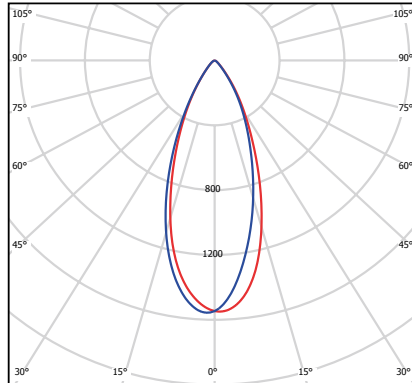
LARISA-O



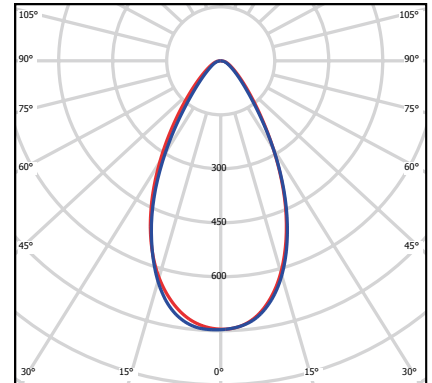
LARISA-RS



LARISA-M

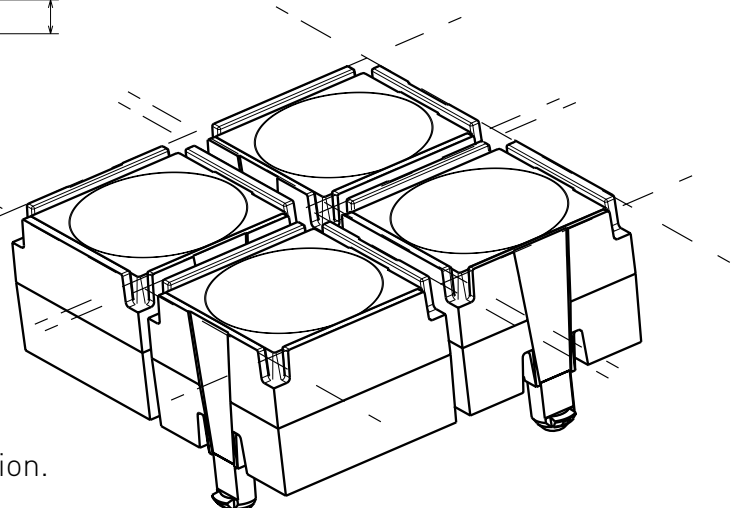
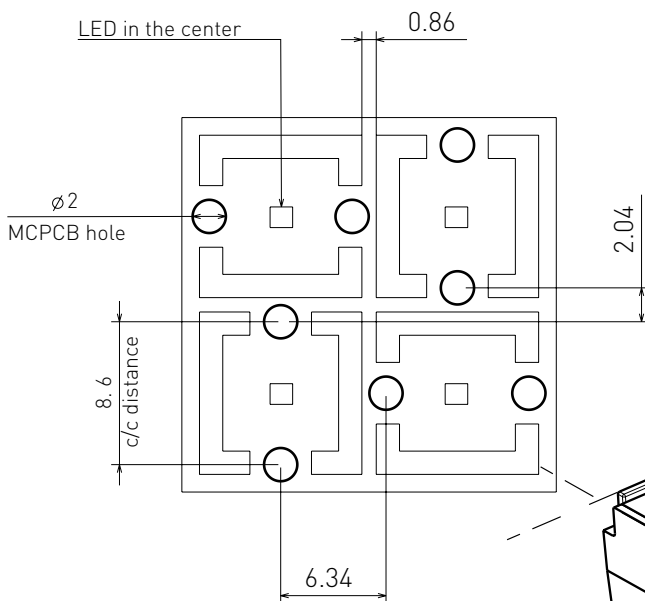


LARISA-W



LARISA-WW

ARRAY DESIGN AND HOLE PATTERN EXAMPLE*



* Not suitable for oval beam pattern version.