

*“clear innovation”*

## Flare Lens

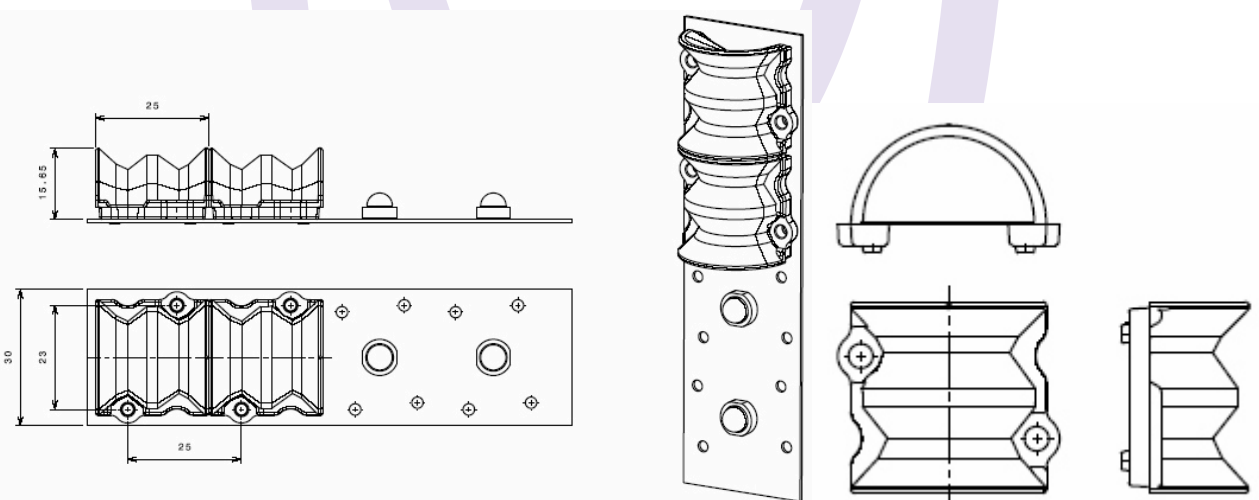


**L2Optics** Flare lens has been designed for use with all Lumileds' Luxeon Emitters.

The illumination pattern is horizontally very wide, but vertically extremely narrow. It suits well for e.g. devices where a 360° illumination pattern is needed. LED type, chip type and colour has an effect on illumination pattern, e.g., non-white LEDs give a narrower distribution. If you need more exact data on the issue, please contact **L2Optics** for advice.

The lens is made of optical grade PMMA (acrylics) to ensure excellent optical properties as well as long-term material stability and durability.

**L2Optics** Flare lenses are assembled directly on PCB without any additional holder. For positioning, please look at the drawing below.

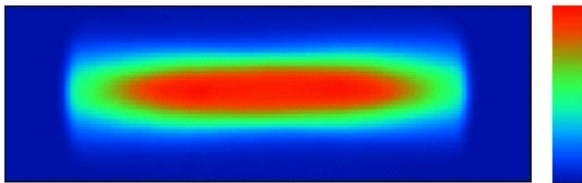


## Main Dimensions

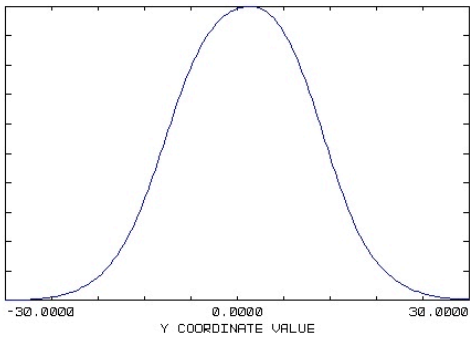


*“clear innovation”*

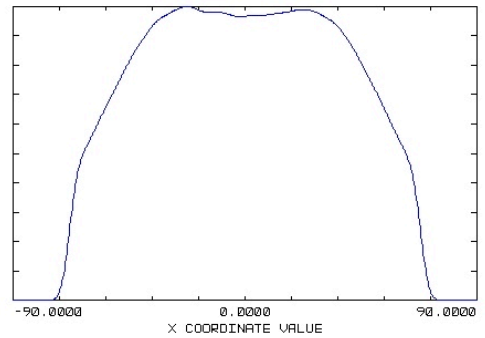
## Flare Lens - Distribution Curves



Typical **Projected** Distribution



Typical **Vertical** Distribution  
Typical half-angle divergence  $\pm 10^\circ$ .



Typical **Horizontal** Distribution  
Typical half-angle divergence  $\pm 80^\circ$ .

Graphs are plotted using Luxeon 1W White Lambertian LEDs.

Optical efficiency of the lens is 85% minimum.



### Flare Lens - Part No. OP-FL