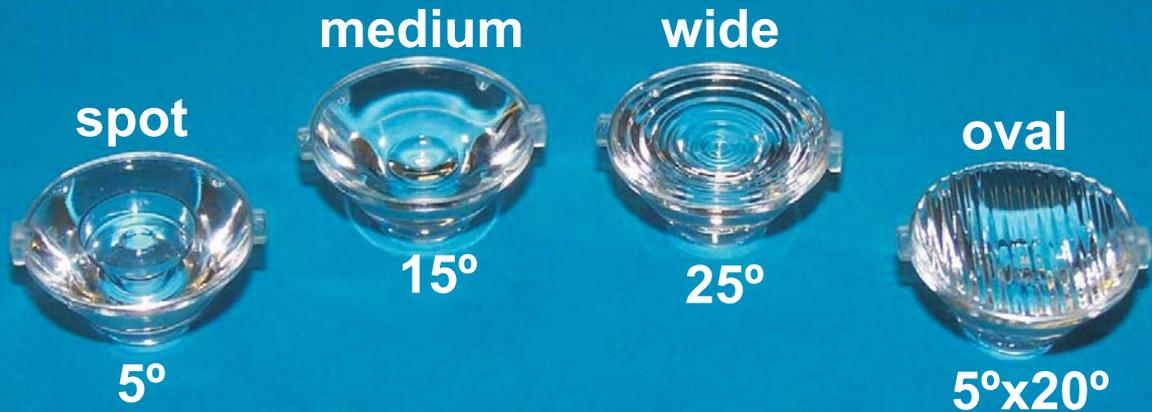


Optics

20mm Serie Linsen und Halter - Luxeon LEDs



20mm Serie Linsen



20mm Serie Linsen mit Halter

Optics

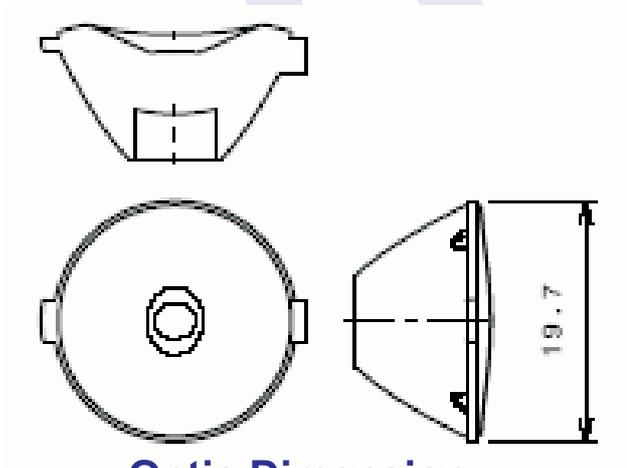
The optics 20mm Series Lenses have been designed for use with all Lumileds' Luxeon series of LEDs.

There are four different illumination patterns available: spot, medium, wide and oval.

LED type, chip type and color 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 us for advice.

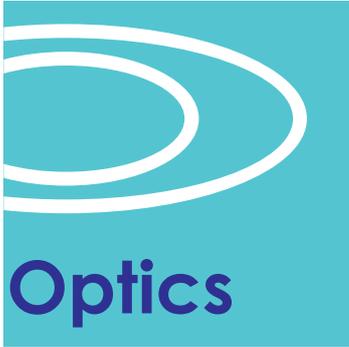
All optics 20mm Series Lenses are made from optical grade PMMA (acrylics) to ensure excellent optical properties as well as long-term material stability and durability.

The optics 20mm Series Lenses can be supplied with or without holders. Each optic holder is available in clear, white or black. For a complete description of the holders and their versions, please look at the Optic Holder section of this data sheet.

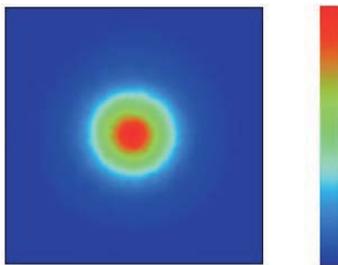


Optic Dimension

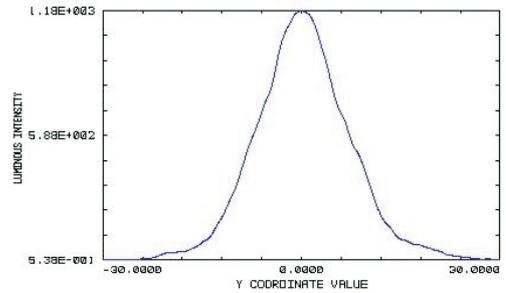




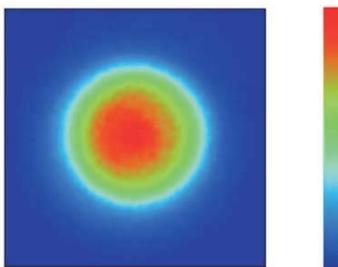
All Optics 20mm Series lenses are made of optical grade PMMA (acrylics) to ensure excellent optical properties as well as long-term material stability and durability and have an optical efficiency of the lenses is 85% minimum.



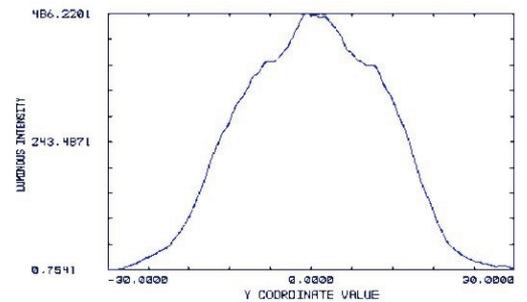
Typical Narrow Distribution
Spot Lens - 5°



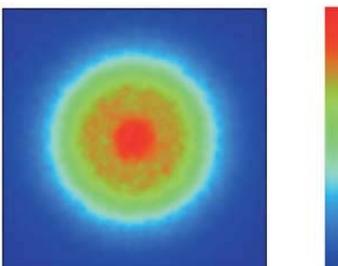
Typical half-angle divergence 5°
when using 1W White Luxeon



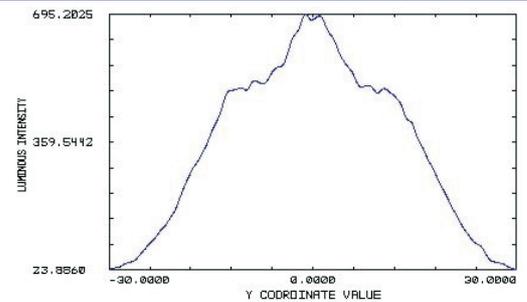
Typical Medium Distribution
Medium Lens - 15°



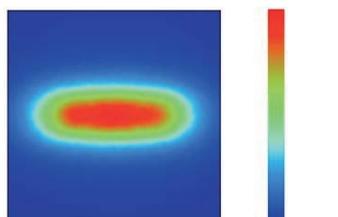
Typical half-angle divergence 15°
when using 1W White Luxeon



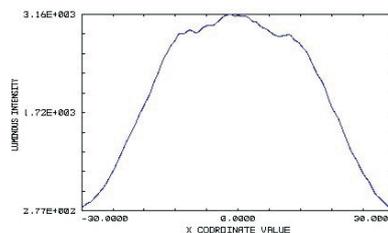
Typical Wide Distribution
Wide Lens - 25°



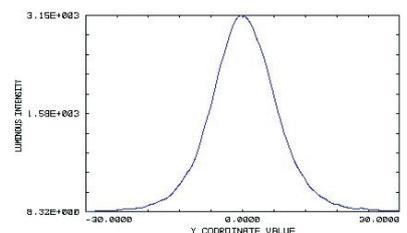
Typical half-angle divergence 25°
when using 1W White Luxeon



Typical Oval Distribution
Oval Lens - 5° x 20°



Horizontal



Vertical

Typ. half-angle divergence 5° x 20° (1W White Luxeon)

Optics

Optics Holders for Luxeon



Clear



White



Black

We have developed a new type of easy-to-use holder for use with Luxeon LEDs and Optics 20mm Series Lenses.

The optics are happy to make you also a special customized holder to meet your specific needs. Please ask us for a quotation.

The optic holders position themselves easily and accurately on top of the LED. They are easy to fasten onto the PCB by using an appropriate adhesive.

The snap-lock fastening of the lens is very secure and does not allow lens to move or drop out of the holder, once it has been placed.

The optic holders are made of durable polycarbonate plastics. There are currently three standard colors available: clear, white and black. However, if you need a specific color for your application, please ask us for a quotation.



Optics

Lens Holder Dimensions

