

Our Focus is in Plastics

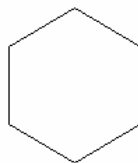
Polymer Optics Ltd.

6 Kiln Ride, Wokingham,
Berks., RG40 3JL, England
Tel/Fax: +44 (0) 1189 893341
www.polymer-optics.co.uk

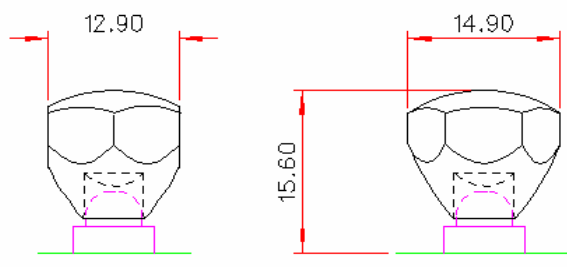
Single Cell LED Concentrator Lens - Part No. 141



- Designed for LUXEON® I, III and K2 LED's
- High light collection efficiency of >85%
- Suitable for all LUXEON® "Lambertian" and "Bat-wing" LED designs
- Precision moulded in optical grade Polycarbonate for thermal stability and system durability
- Part of the Polymer Optics "Modular LED Optics"® range



Typical dimensional tolerances
to +/-0.2mm



Polymer Optics Limited is a certified
Lumileds-Future Partner

Polymer Optics "Modular LED Optics"® design, based on a hexagonal format, allows maximum packing density and assembly flexibility

Holder (Part No. 121) available for mounting optics onto LUXEON® I Star or LUXEON® Emitter PCB's

Star Holder (Part No. 128) available for LUXEON® III Star formats only.

K2 Holder (Part No. 151) available for LUXEON® K2 LED range.

Please refer to POL's "LUXEON® LED Optic Selection Table" to determine your optimum product configuration.

Due to continuous product improvement, POL reserve
the right to change specifications without notice.

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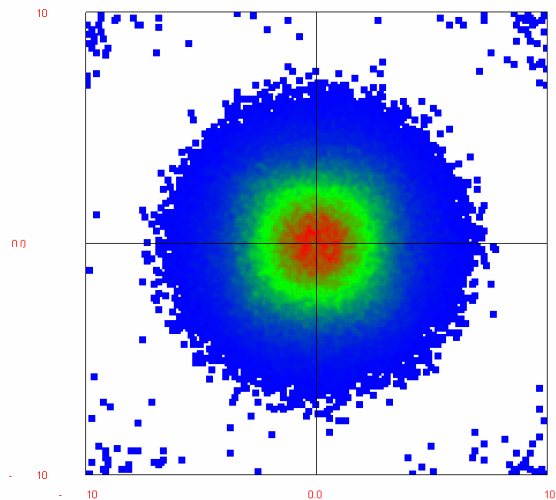
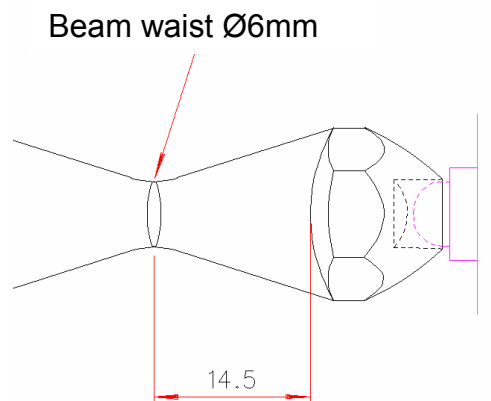
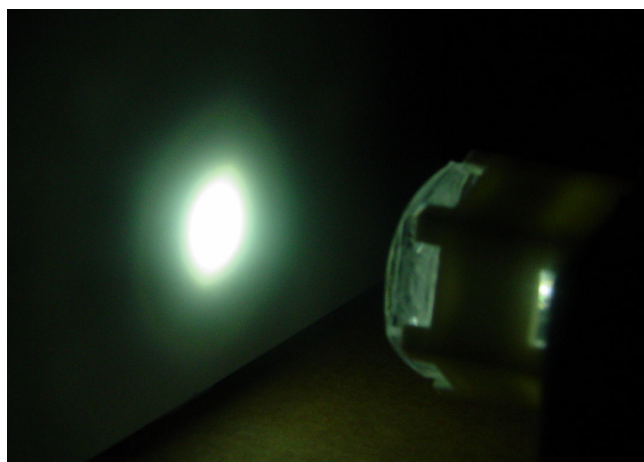


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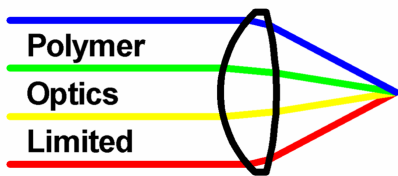
Typical Applications:

- Beam insertion into optical fibre bundles
- Beam insertion into edge of lightguides
- High intensity illumination of small objects for inspection and microscopy

Typical focused beam intensity at the 6mm aperture is
>850,000 lux

Raytrace Simulation of Typical Beam at 14.5mm on a
20mm x 20mm target with 1W 25lumen White LED

Performance values given are typical values and will vary dependant on LED binning, colour and drive profile

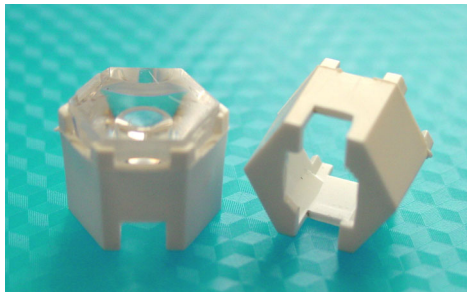


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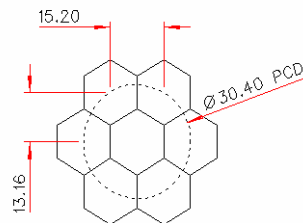
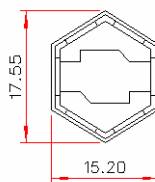
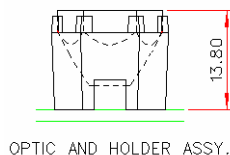
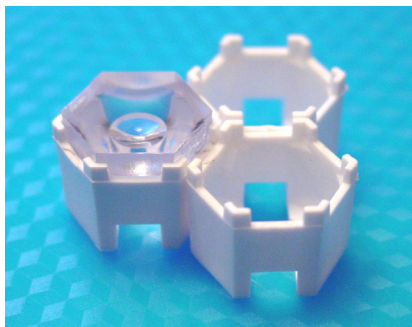
LUXEON® K2 Lens Holder - Part No. 151



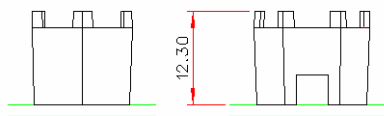
- Designed for use with Polymer Optics “Modular LED Optics”® and other custom Polymer Optics designs
- Designed for LUXEON® K2 Emitters
- Simply mounts onto PCB and self-aligns to LUXEON® K2 LED
- Precision moulded in optical grade Polycarbonate for thermal stability and system durability
- Part of the Polymer Optics “Modular LED Optics”® range

Polymer Optics “Modular LED Optics”® design, based on a hexagonal format, allows maximum packing density and assembly flexibility

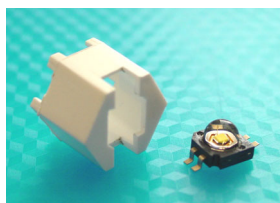
Alternative Holders (Part Nos. 121 and 128) available for LUXEON® I, III and V Emitters and Star formats which have different mounting heights and package shapes.



NESTED COMPONENTS ON 30.4MM PCD
Typical dimensional tolerances to $\pm 0.2\text{mm}$



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**151 Holder and
LUXEON® K2 LED**

