



*Our Focus is in Plastics*

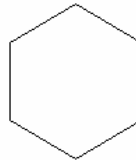
## Polymer Optics Ltd.

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

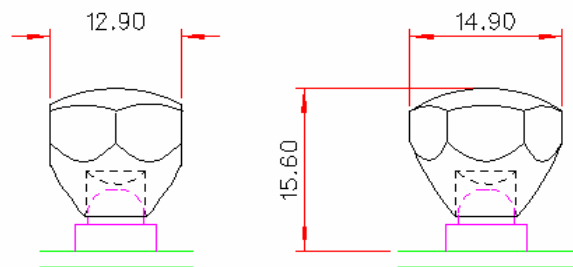
### Single Cell LED Concentrator Lens - Part No. 141



- Designed for Edison Edixeon Emitter and Star LED's
- High light collection efficiency of >85%
- Precision moulded in optical grade Polycarbonate for thermal stability and system durability
- Part of the Polymer Optics "Modular LED Optics"<sup>®</sup> range



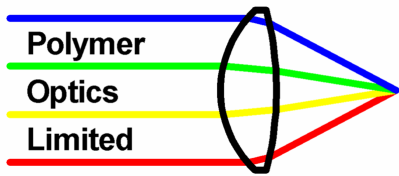
Typical dimensional tolerances  
to +/-0.2mm



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

Supplied assembled in Holder (Part No. 121) for mounting the optic directly onto the Edixeon LED package.

Please refer to POL's "Edison LED Optic Product Range" brochure to determine the best optical function for your product application.

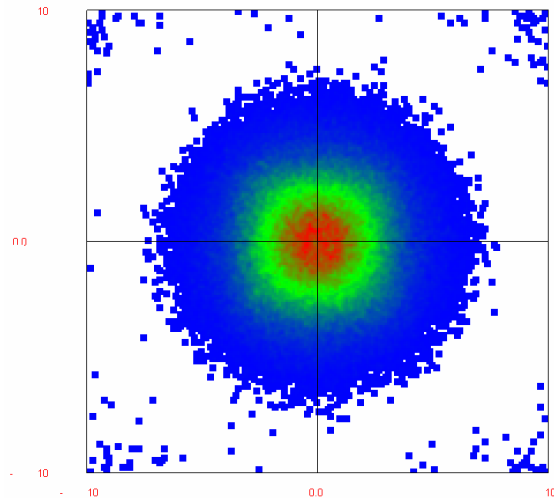
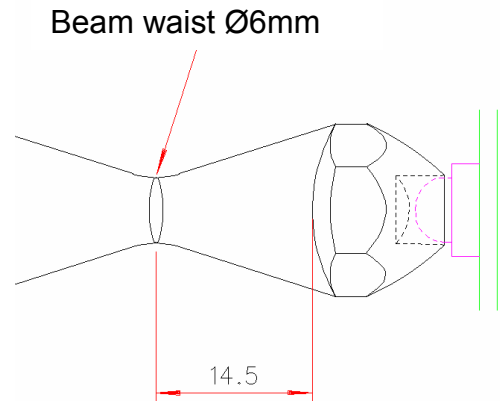
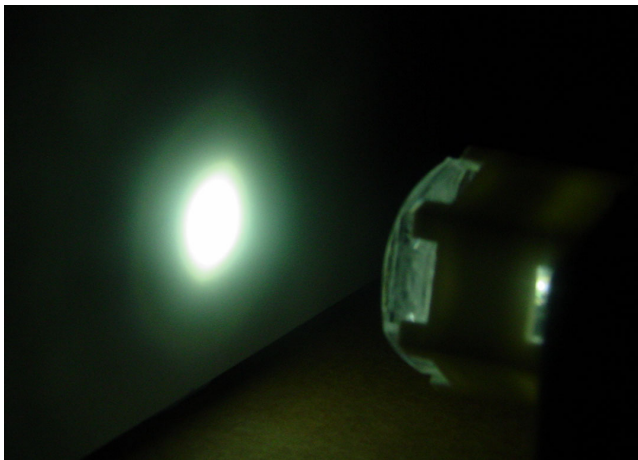


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#### Typical Applications:

- 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 25 lumen White LED

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