



Our Focus is in Plastics

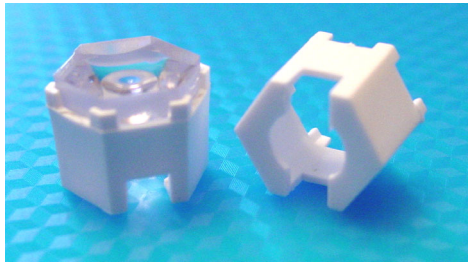
Polymer Optics Ltd.

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

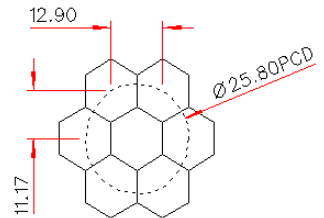
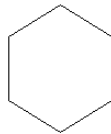
6 Degree LED Collimator Lens - Part No. 120



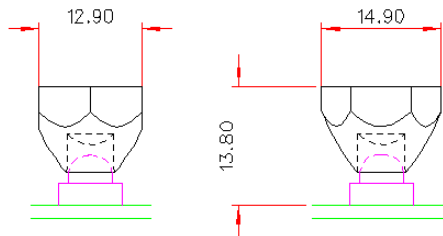
- Designed for Edison Edixeon Emitter and Star LED's
- High light collection efficiency of >85%
- Precision moulded in optical grade Polycarbonate for thermal stability and system durability
- Part of the Polymer Optics "Modular LED Optics"[®] range



Typical dimensional tolerances
to +/-0.2mm



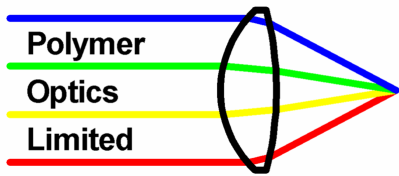
NESTED COMPONENTS ON 25,8MM PCD



Polymer Optics "Modular LED Optics"[®] 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.

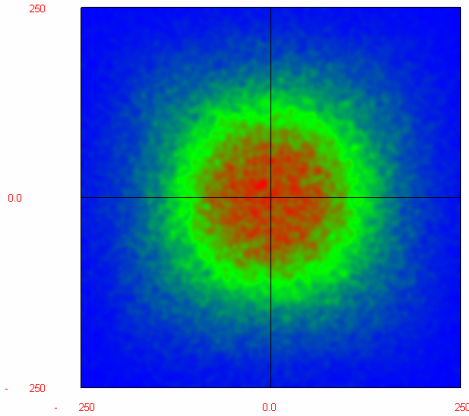


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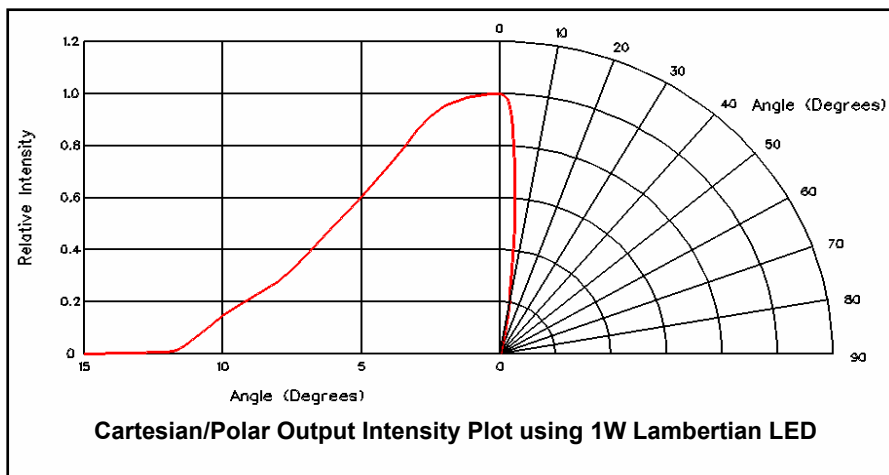
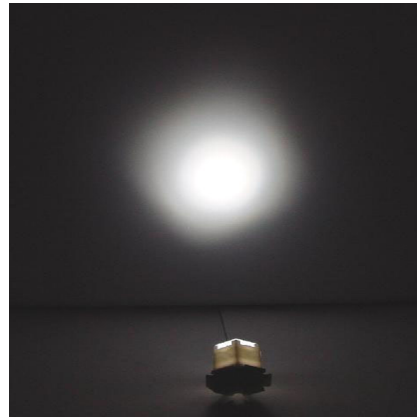
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6 Degree LED Collimator Lens - Part No. 120



Raytrace Simulation of Typical Beam at 1m with 1W White LED



| Typical illuminance values using 1W 25 lumen white LED = 16cd/lumen | | | |
|--|----------|---------|---------|
| Range | 0.5m | 1m | 2m |
| Illuminance | 1600 lux | 400 lux | 100 lux |

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