

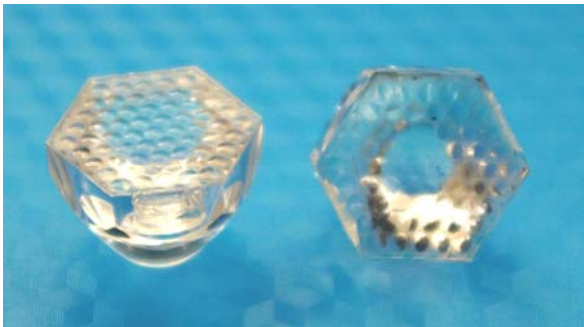


*Our Focus is in Plastics*

**Polymer Optics Ltd.**

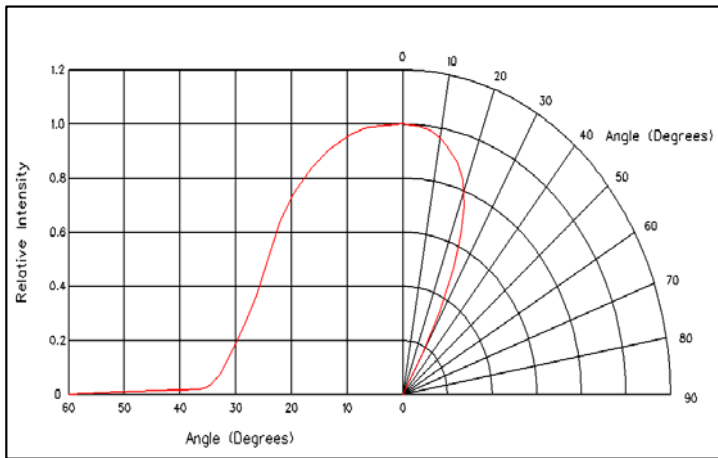
6 Kiln Ride, Wokingham,  
Berks., RG40 3JL, England  
Tel/Fax: +44 (0) 1189 893341  
[www.polymer-optics.co.uk](http://www.polymer-optics.co.uk)

**+/-25 Degree (50 Deg) LED Collimator Lens - Part No. 273**

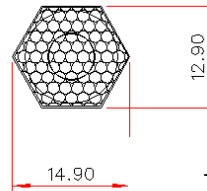


- Designed for High Power Lambertian LED sources with deeper package constructions, such as Cree XR-E
- High light collection efficiency of >85%
- Precision moulded in optical grade Polycarbonate for thermal stability and system durability
- Part of the Polymer Optics “Modular LED Optics”® range
- Polymer Optics “Modular LED Optics”® design, based on a hexagonal format, allows maximum packing density and assembly flexibility

- POL optics are supplied pre-assembled into the appropriate holder to suit your chosen LED package and are ordered by part number 273/xxx, where xxx is the required holder part number.



**Typical Cartesian/Polar Output Intensity Plot with 1mm die size high Power LED**



Typical dimensional tolerances to +/-0.2mm



TYPICAL POSITION OF EFFECTIVE SOURCE.  
CORRECT MOUNTING HEIGHT DEFINED BY  
POL HOLDER TO SUIT LED

**Typical peak illuminance with a 1mm die size Lambertian high power LED = 3cd/lumen**