

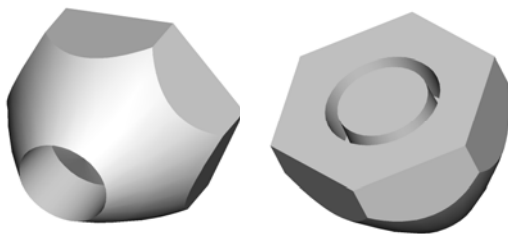


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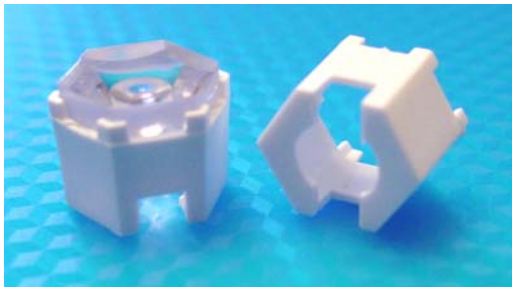
**Polymer Optics Ltd.**

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

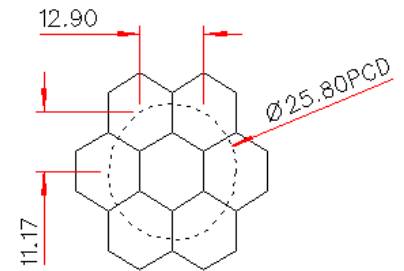
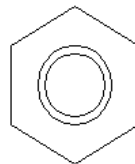
**5W LED +/-6 Degree (12 Deg) Collimator Lens - Part No. 129**



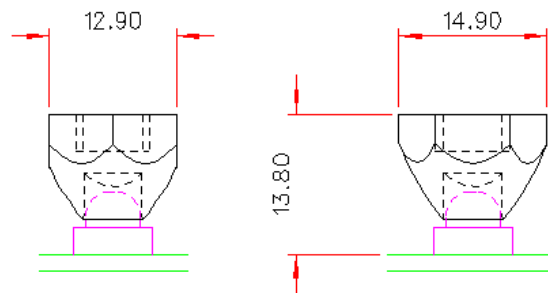
- Designed for LUXEON® V LED devices
- High light collection efficiency of >85%
- Suitable for “Lambertian” LED design
- Precision moulded in optical grade Polycarbonate for thermal stability and system durability
- Part of the Polymer Optics “Modular LED Optics”® range



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**

**Holder (Part No. 128) available for mounting optics onto LUXEON® V Star or standard Holder (Part No. 121) for use with Emitters populated on custom made PCB's.**

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

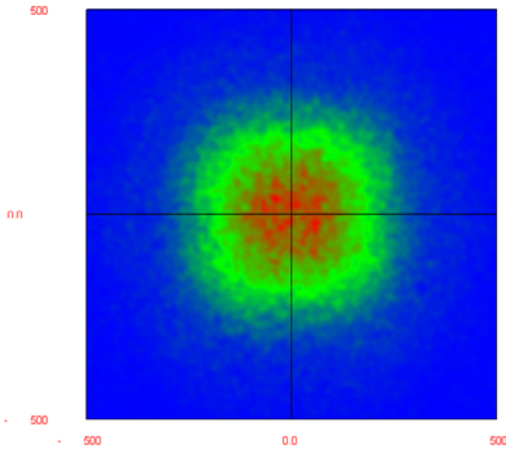


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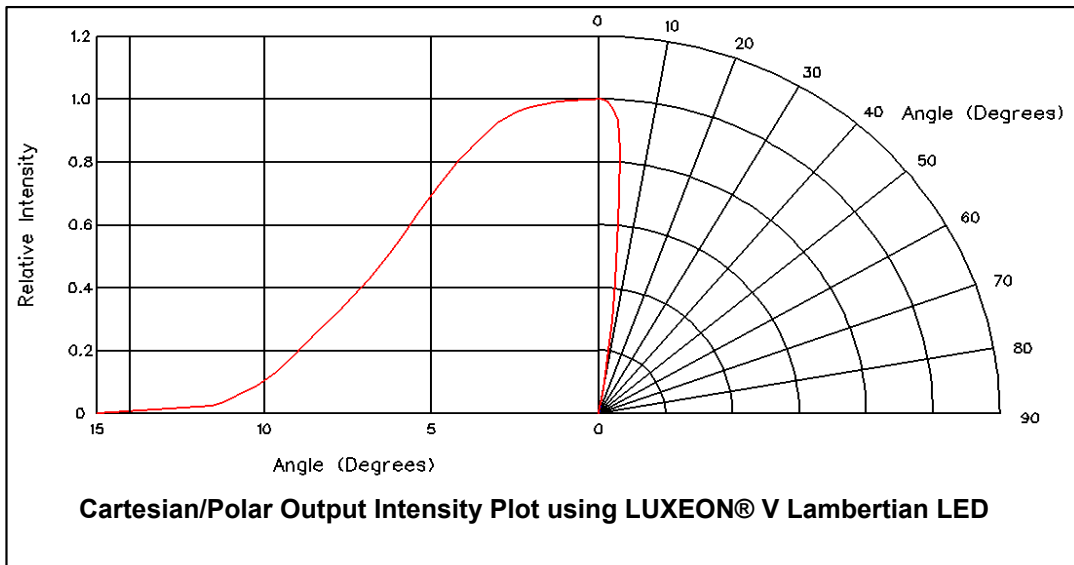
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**5W LED +/-6 Degree (12 Deg) Collimator Lens - Part No. 129**



Raytrace Simulation of Typical Beam at 1m with 5W White LED



Typical illuminance values using 120 lumen white LUXEON® V Emitter = 10cd/lumen			
Range	0.5m	1m	2m
Illuminance	4800 lux	1200 lux	300 lux

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