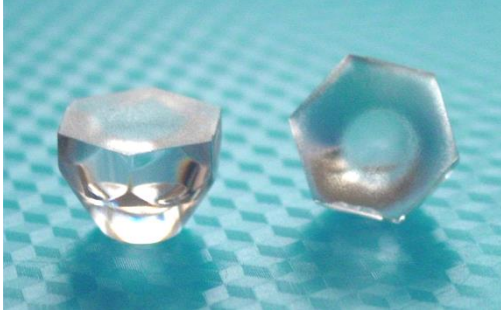
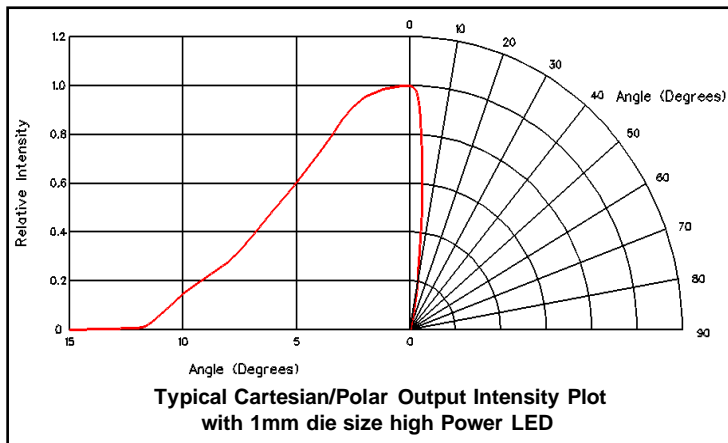


Diffuse Narrow Beam LED Collimator Lens - Part No. 186



- Designed for High Power Lambertian LED sources with deeper package constructions, such as Cree XR-E
 - High light collection efficiency of >85%
 - Diffuse output surface to give smoother beam
 - 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 186/xxx, where xxx is the required holder part number.



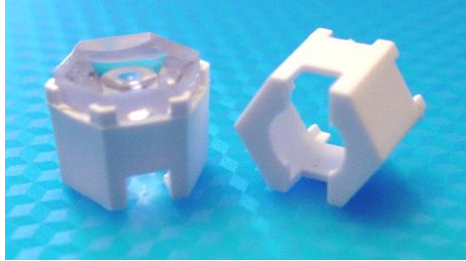
Typical peak illuminance with a 1mm die size Lambertian high power LED = 12cd/lumen

In order to determine if the particular beam properties and performance of this optic are suitable for your application with your chosen LED type, POL suggests that you obtain samples from POL or their distributors for your own product testing, as properties may vary with different LED types.

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

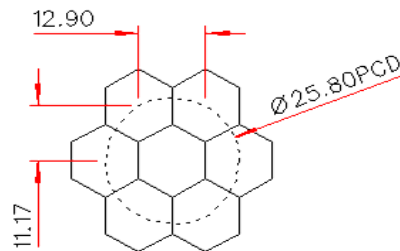
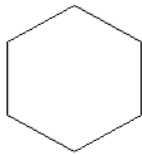
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Diffuse Narrow Beam LED Collimator Lens - Part No. 185

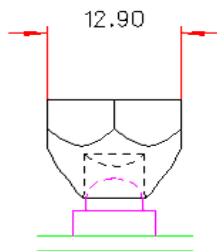


- The details of the holder design will vary for each LED type to provide the correct location to the LED package and mounting height

Typical dimensional tolerances to
+/-0.2mm

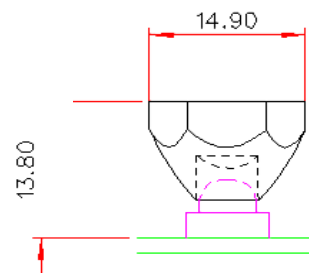


NESTED COMPONENTS ON 25,8MM PCD



Mounting Heights in Holder:

121 - 13.7mm
127 - 12.3mm
128 - 12.3mm
147 - 12.3mm
151 - 13.7mm
155 - 13.7mm
175 - 11.4mm
180 - 11.4mm
182 - 11.4mm
223 - 11.4mm
239 - 13.7mm



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