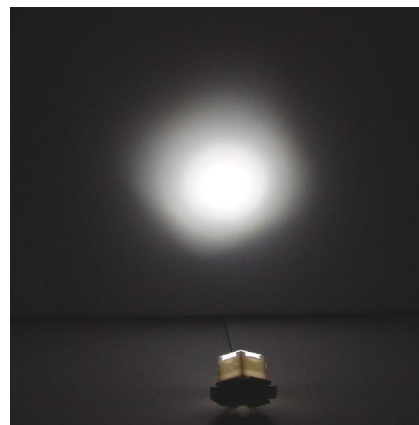
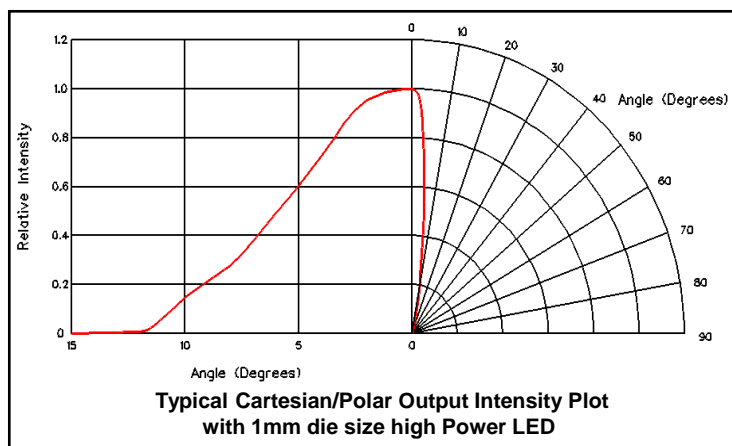


## Narrow Beam LED Collimator Lens - Part No. 120



- Designed for High Power Lambertian LED sources
  - 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
  - Polymer Optics “Modular LED Optics”<sup>®</sup> 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 120/xxx, where xxx is the required holder part number.



Typical peak illuminance with a 1mm die size Lambertian high power LED = 16cd/lumen

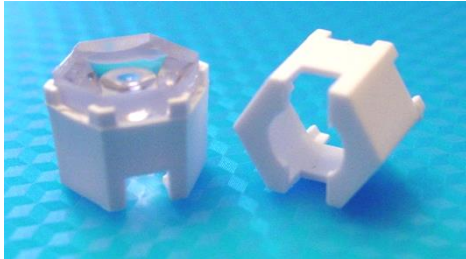
- In order to determine if the particular beam properties and performance of this optic are suitable for your application with your chosen LED type, POL suggests that you obtain samples from POL or their distributors for your own product testing, as properties may vary with different LED types.

Performance values given are typical values and will vary dependent on LED type, binning, colour and drive profile.

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

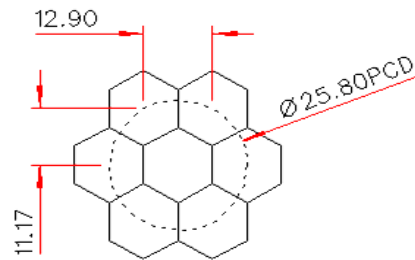
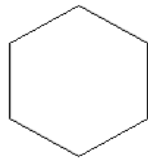
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## Narrow Beam LED Collimator Lens - Part No. 120

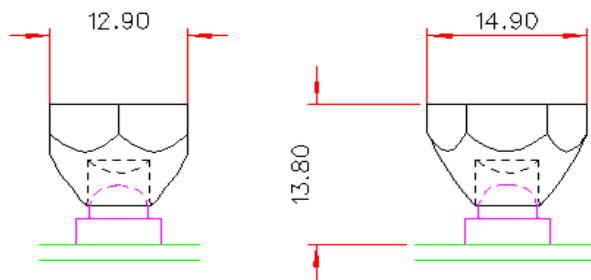


- The details of the holder design will vary for each LED type to provide the correct location to the LED package and mounting height

Typical dimensional tolerances to  
+/-0.2mm

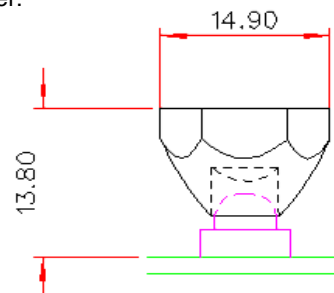


NESTED COMPONENTS ON 25,8MM PCD  
(ACTUAL SIZE)



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



Performance values given are typical values and will vary dependent on LED type, binning, colour and drive profile.

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