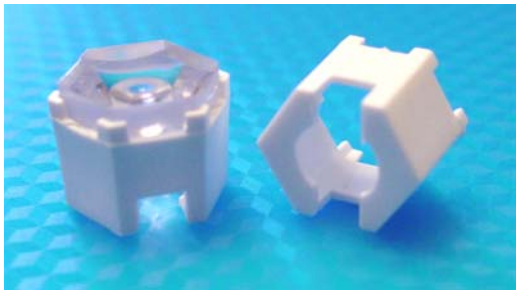
Polymer Optics Ltd.

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

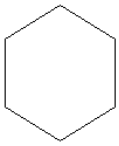
Our Focus is in Plastics

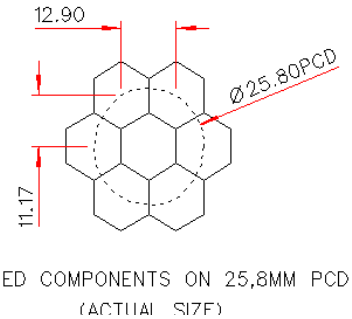
+/-6 Degree (12 Deg) LED Collimator Lens - Part No. 120



- **Designed for LUXEON® I, III and K2 LED's**
- **High light collection efficiency of >85%**
- **Suitable for all LUXEON® "Lambertian" and "Bat-wing" LED designs**
- **Precision moulded in optical grade Polycarbonate for thermal stability and system durability**
- **Part of the Polymer Optics "Modular LED Optics"® range**

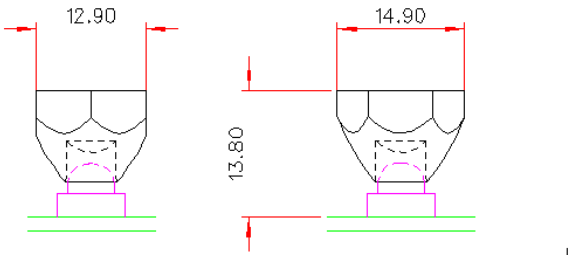
Typical dimensional tolerances
to +/-0.2mm





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

FUTURE LIGHTING SOLUTIONS
NETWORK
Component Member



Polymer Optics "Modular LED Optics"® design, based on a hexagonal format, allows maximum packing density and assembly flexibility

Holder (Part No. 121) available for mounting optics onto LUXEON® I Star or LUXEON® Emitter PCB's

Star Holder (Part No. 128) available for LUXEON® III Star formats only.

K2 Holder (Part No. 151) available for LUXEON® K2 LED range.

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

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

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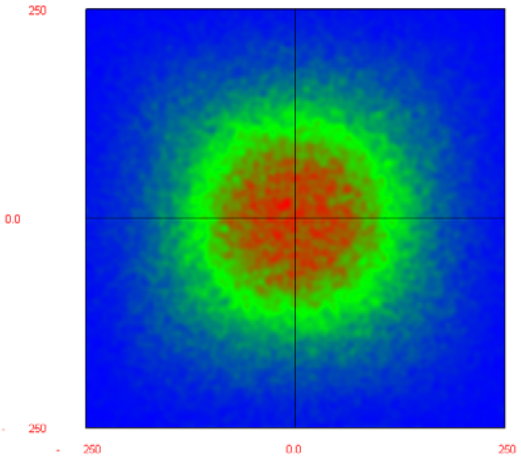
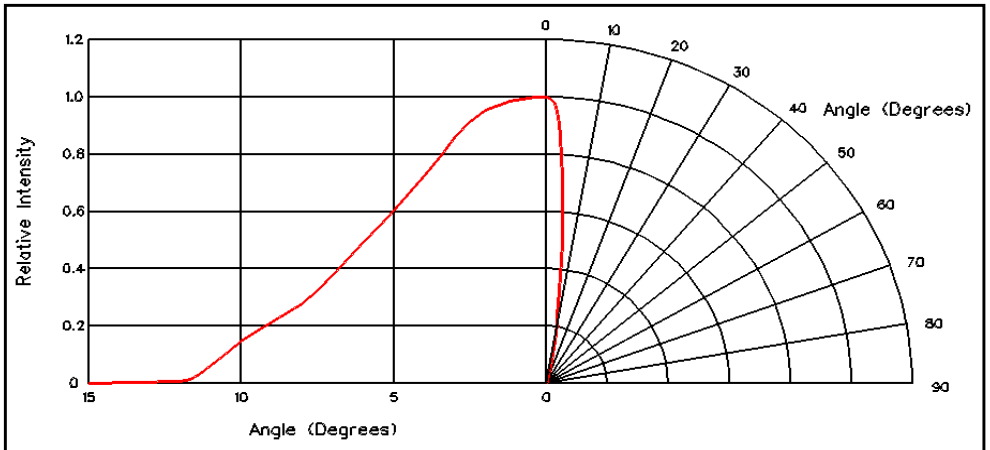


Raytrace Simulation of Typical Beam at 1m with 1W White LED



Cartesian/Polar Output Intensity Plot using LUXEON® I Lambertian LED

Typical illuminace values using 25 lumen white LUXEON® I Emitter = 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