

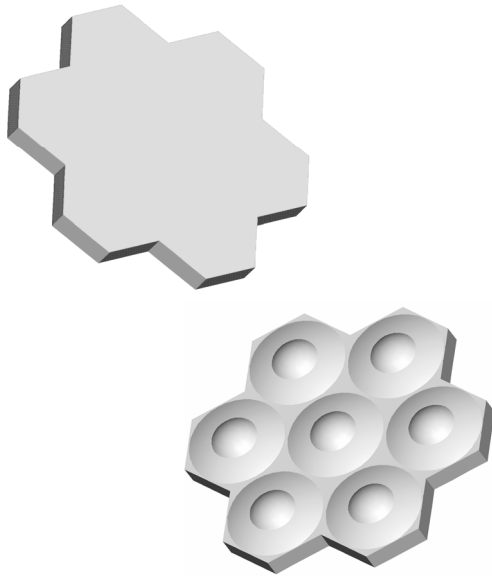


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**Polymer Optics Ltd.**

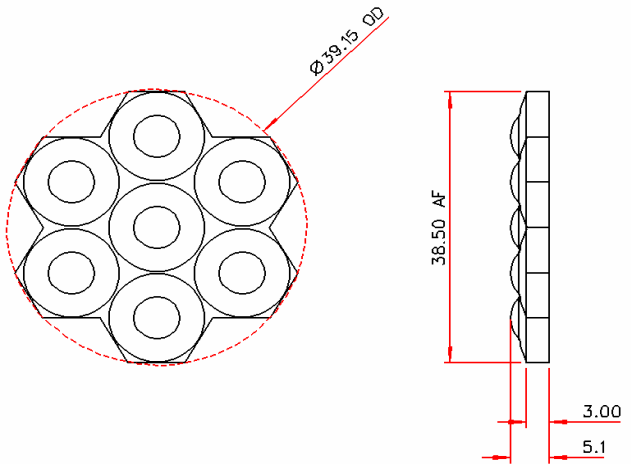
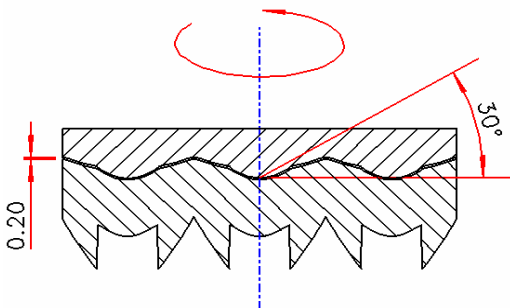
6 Kiln Ride, Wokingham,  
Berks., RG40 3JL, England  
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www.polymer-optics.co.uk

**6 Degree - 45 degree 7 Cell Cluster Zoom Optic - Part No. 130**



- Designed for Seoul Semiconductor Z Power P3 and P4 Emitters
- Variable zoom capability from 6 degrees to 45 degree half angles (Patent applied for design and concept)
- Used with Part No. 125. Zoom optic simply requires to be rotated on a coarse thread action.
- Precision moulded in optical grade Polycarbonate for thermal stability and system durability
- Part of the Polymer Optics “Modular LED Optics”® range

ROTATE ZOOM OPTIC BY 30°

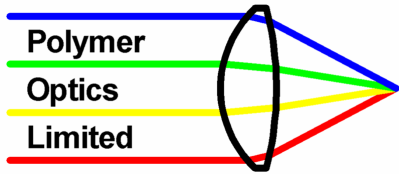


Typical dimensional tolerances  
to +/-0.2mm

Initial 6° beam is achieved with Zoom Optic nested on Part No. 125 with 0.2mm separation.

Zoom is achieved by rotating Zoom Optic about its axis on a thread angle of 30°, by up to 30° rotation.

Thread pitch equates to 45mm per turn, or 0.6 turns per inch (TPI).



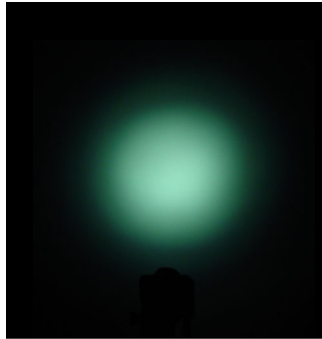
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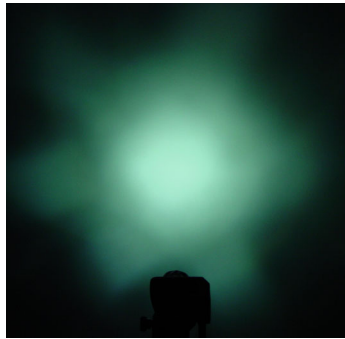
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**7 Cell Cluster Zoom Optic - Part No. 130**



**6° Position**



**Mid Position**



**Wide Angle Position**

Typical illuminance values using 7 x 1W 25 lumen white LED				
Range	0.5m	1.0m	2.0m	Cd/lumen
Narrow Field Angle	9100	2275	565	13
Mid Field Angle	2800	700	175	4
Wide Field Angle	1400	350	87	2

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

**Beam homogeneity is achieved beyond 1m from optic and is suitable for RGB colour mixing PCB layouts**