Polymer Optics Limited

Our Focus is in Plastics

Polymer Optics Ltd.

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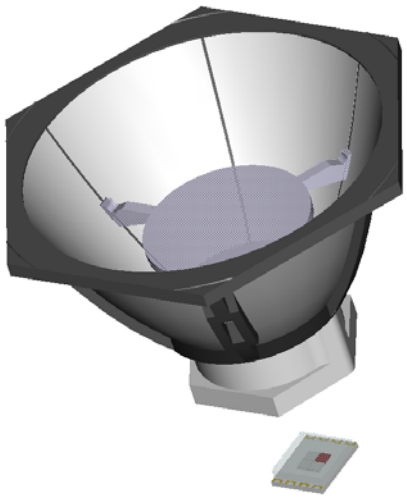
30mm Colour Mixer Reflector for Osram OStar SMT LED - Part No. 235

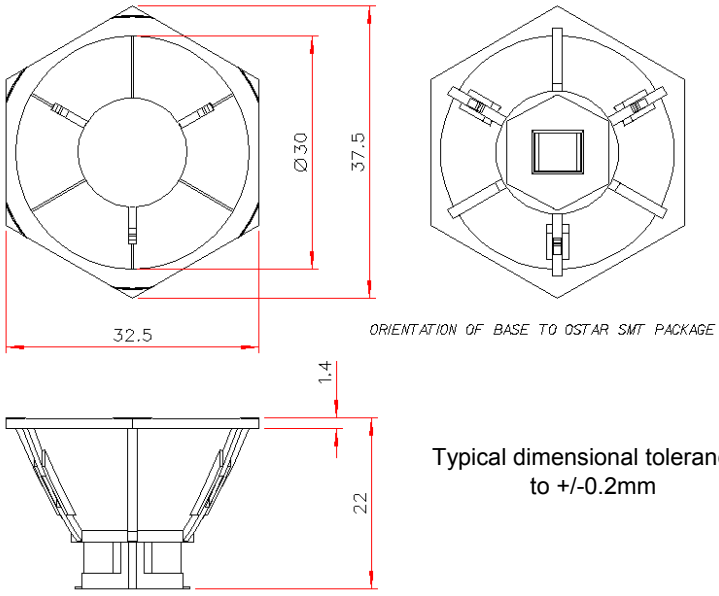
- **Designed for Osram OStar SMT LEDs**
- **Colour mixing chamber design provides uniform beam colour, which with the output reflector optic, provides a narrow colour mixed beam**
- **Narrow beam angle of 5 degrees half angle, 10 degrees FWHM (full width half maximum intensity)**
- **Optical efficiency of >60%**
- **Also available for other Osram LED types**

Precision moulded using POL's patent applied for metallised optical insert moulding technique with a polycarbonate frame construction for superior mechanical and thermal stability

Polymer Optics "Modular LED Optics"® design, based on a hexagonal format, allows maximum packing density and assembly flexibility. Arrays of Colour Mixer Reflector optics can be easily constructed to produce high power luminaire designs

The 235 Reflector Optic base is designed to mount over the OStar SMT LED package to align to the LED source and provides a colour mixed beam for collimation by the reflector optic.





Typical dimensional tolerances to +/-0.2mm

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

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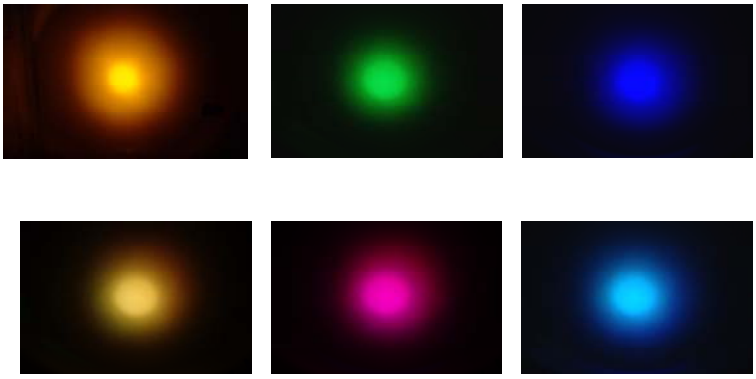
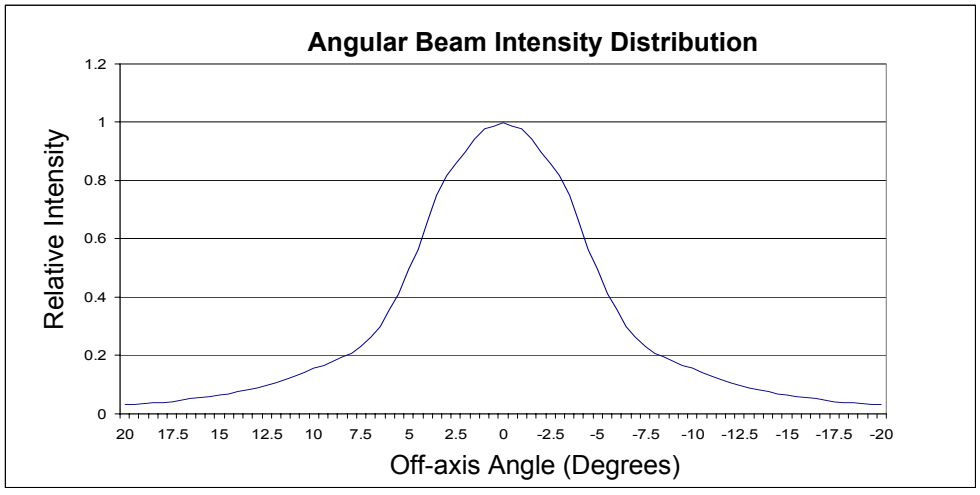
The perfect colour mixing achieved with the POL 235 optic allows an infinite range of illumination colours to be produced with a constant and stable beam geometry.

An additional advantage is that the appearance of the emitted light from the POL 235 optic is a uniform mixed colour too, removing the usual visible spots of RGB seen in other colour mixing products.



The POL 235 optic's narrow, high intensity beam is ideal for demanding applications, such as:

- ✓**Architectural spot lights**
- ✓**Theatrical lights and follow-spots**
- ✓**Forensic torches**
- ✓**Medical lighting applications**



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