

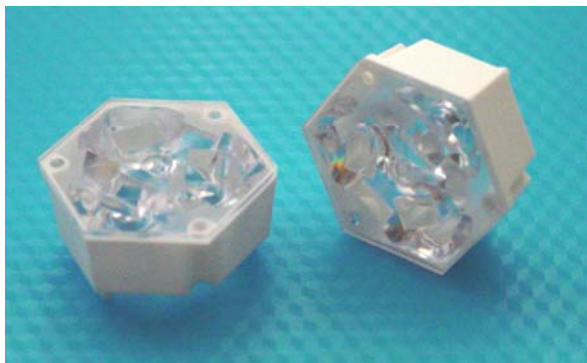


Our Focus is in Plastics

Polymer Optics Ltd.

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Tel/Fax: +44 (0) 1189 893341
www.polymer-optics.co.uk

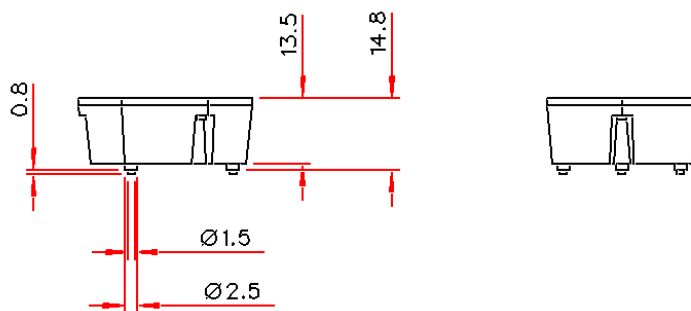
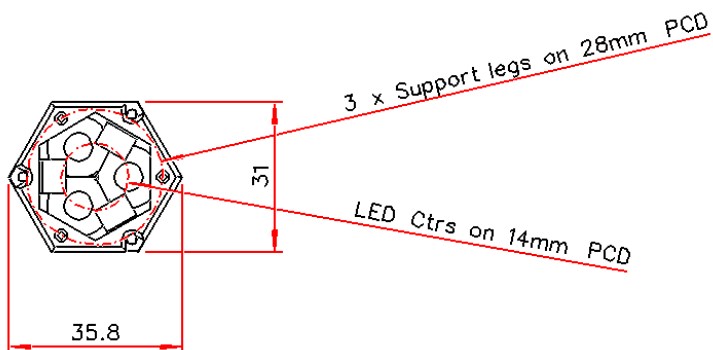
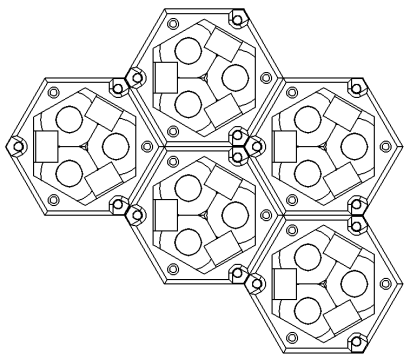
Narrow Angle LED Colour Mixer Assembly - Part No. 158



- Designed for Cree XLamp XL, XR and XR-E LED devices
- High collection efficiency and narrow angle beam output
- Precision moulded in optical grade Polycarbonate for thermal stability and system durability
- Part of the Polymer Optics "Modular LED Optics"® range



- POL's novel hexagonal design allows the optics to be clustered together to make larger narrow angle colour mixing arrays



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

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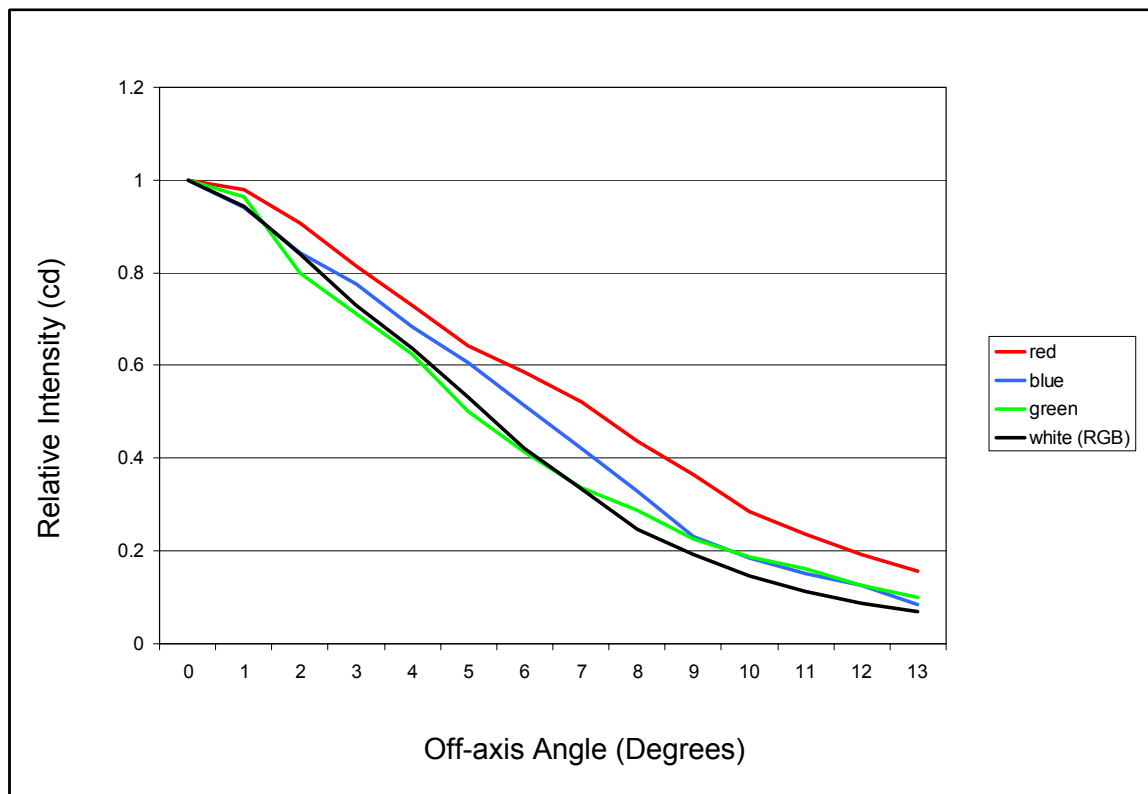


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Narrow Angle LED Colour Mixer Assembly - Part No. 158



Red



Green



Blue



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Narrow Angle LED Colour Mixer Assembly - Part No. 158



Red



Green



Blue



Red/Blue



Green/Blue



Red/Green



Red/Green/Blue

- Excellent colour mixing performance with single colour LED's even over short distances
- Narrow angle basic beam angle which can be converted to wider beam angles or elliptical profiles with POL converter optics and filters
- Can also be used with White LED's to improve bin mixing and reduce colour temperature variations

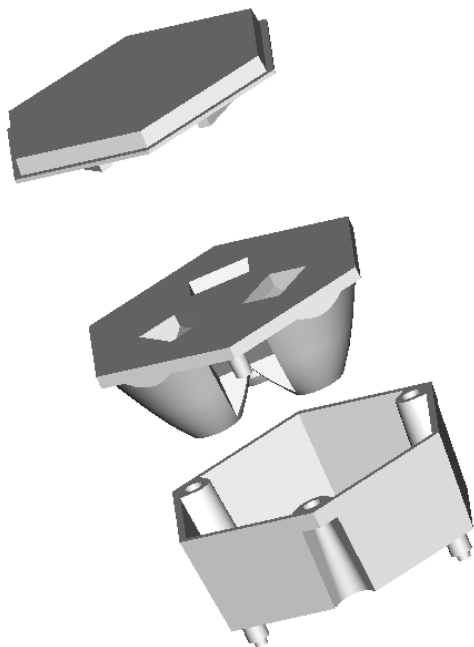


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Converter Optics for Narrow Angle LED Colour Mixer Assembly



- Beam Converter Optics simply interference push fit onto the front of the 158 - Colour Mixer Optic.
- Precision moulded in optical grade PMMA acrylic for improved scratch resistance on the outside of the assembly.
- The Beam Converter Optics fit within the area of the 158- Colour Mixer Optic so the assemblies can still be arranged in close packed arrays.
- Flanged edge of the Beam Converter Optics allows bezels and cover plates to be located to the optical assembly for aesthetic product finishing.
- Part of the Polymer Optics "Modular LED Optics"® range

