



LED Optic Classic Range



- Optimised for Luxeon LED's
- Range of output angles
- Available with holder
- Lens Quality Polycarbonate
- Thermally stable

The Classic range of LED Optics are designed for use with the Luxeon family of High Brightness LED's. The optics can be used with all colour, wattage and package types.

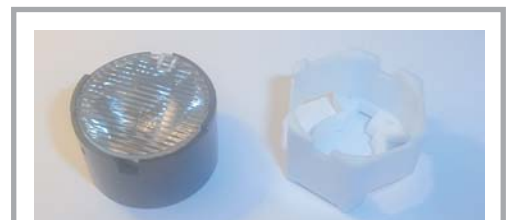
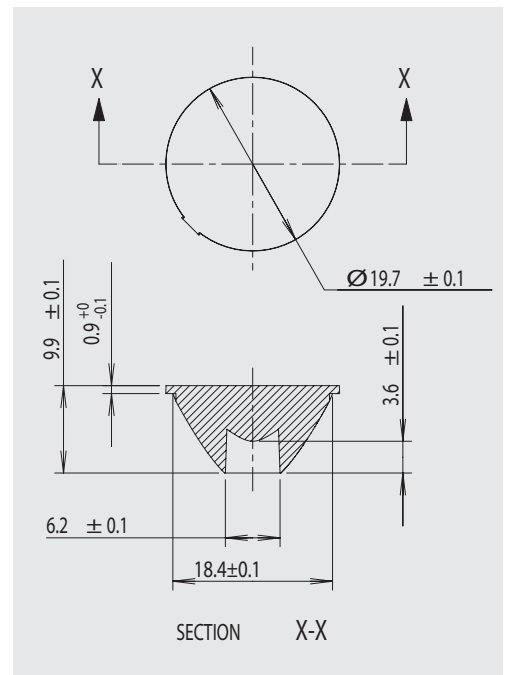
Versions are available to produce a variety of beam shapes without compromising efficiency. There is currently Narrow, Medium and Wide circular and Narrow/Wide Elliptical.

The optics are made from Lens Quality Polycarbonate; they exhibit high thermal stability and long term durability.

Lenses can be supplied separately or with holders. For the full range of holders refer to the separate data sheet. To see the latest additions to the range refer to www.carclo-optics.com. Custom solutions are also available.

Typical Applications:-

- Floodlighting
- Domestic Lighting
- Signals/Beacons
- Wall wash lighting



Also available are a range of high quality Holders designed specifically for the Optics.

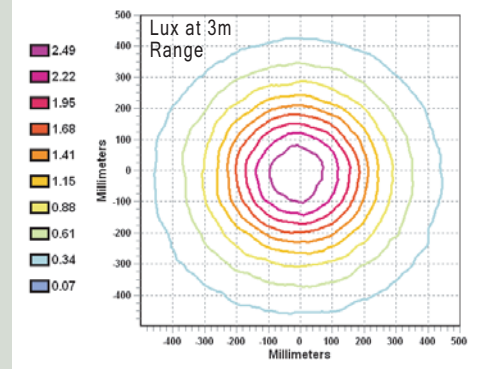
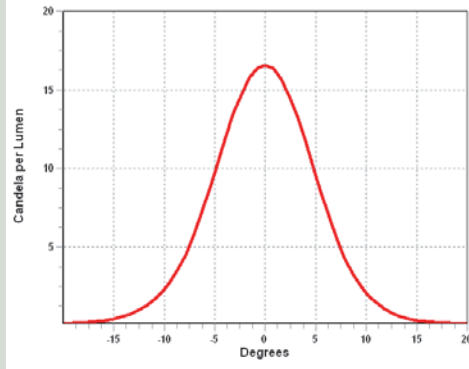
For the full range refer to the separate data sheet.



Circular Narrow Beam Optic

Part No. 10003

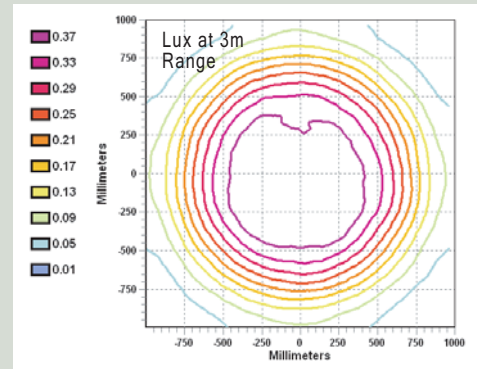
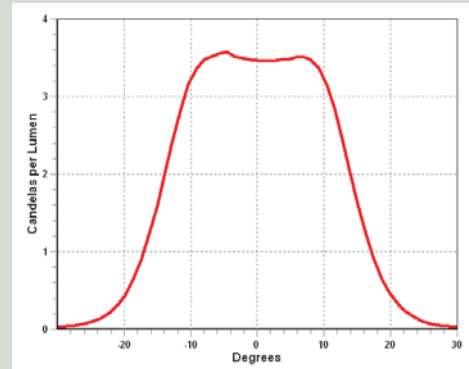
Typical half angle divergence $6^{\circ} \pm 1.0^{\circ}$ when used with 1W White Luxeon LED



Circular Medium Beam Optic

Part No. 10003/15

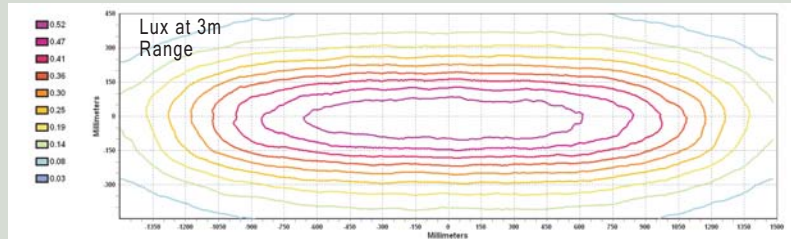
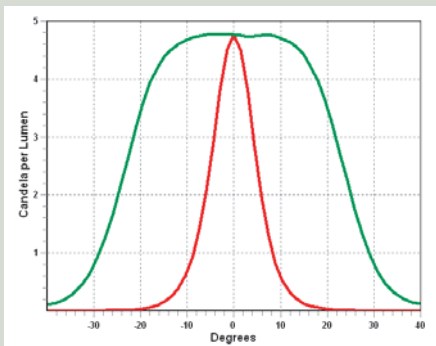
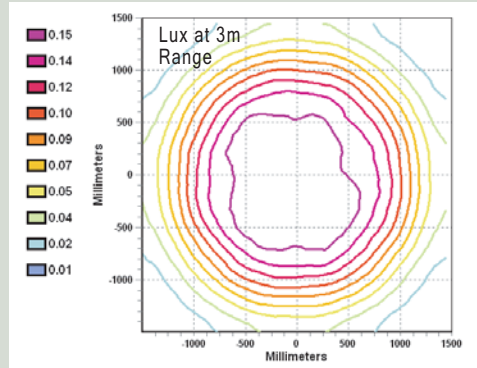
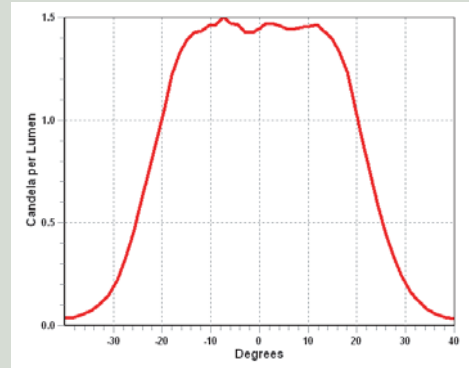
Typical half angle divergence $15^{\circ} \pm 2^{\circ}$ when used with 1W White Luxeon LED



Circular Wide Beam Optic

Part No. 10003/25

Typical half angle divergence $25^{\circ} \pm 3^{\circ}$ when used with 1W White Luxeon LED



Typical half angle divergence $25^{\circ} \times 6^{\circ} \pm 1.3^{\circ}$ when used with 1W White Luxeon LED

Elliptical (Line) Beam Optic
Part No. 10003/L25

Notes: Measurements have been made with a 1W Luxeon Lambertian LED. The measured efficiency for all optics is approx 85%.