

Photometric Performance



Notes

1. Two versions are available. 'Narrow Beam' – for maximum penetration and 'Spread Beam' – for wider distribution.
2. The 'Narrow Beam' gives the maximum penetration in open water.
3. The 'Spread Beam' gives a wider distribution for in dock enhancement.
4. The 'Narrow Beam' version has 8x the on-axis intensity as the 'Spread Beam' version.
5. The LED current is optimised to maximise performance depending on the operating environment. When operated underwater the LED current is increased. The performance figures quoted are for underwater conditions.
6. Luminance meters which are not optimised for the LED light spectrum will not always give accurate readings.

Mechanical Information

1. All nylon construction. Nylon is chemically inert and highly impact resistant.
2. Two colour over-moulded outer lens for improved appearance and enhanced outer lens strength (double thickness).
3. Double seal of rear cover for additional protection against water ingress.

Photometric Performance

Narrow Beam – for maximum penetration



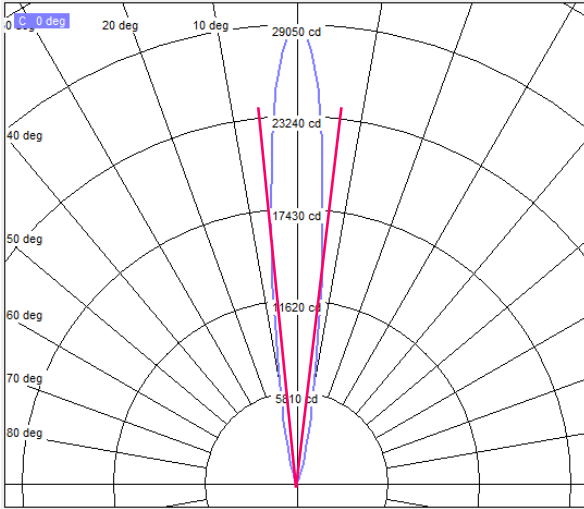
Smooth optic

Spread Beam – for wider distribution



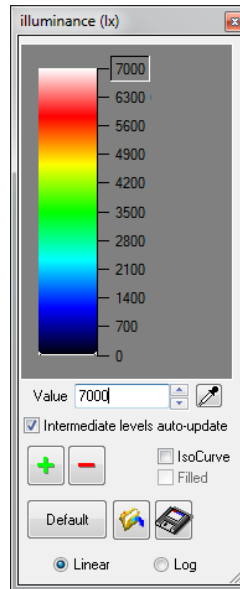
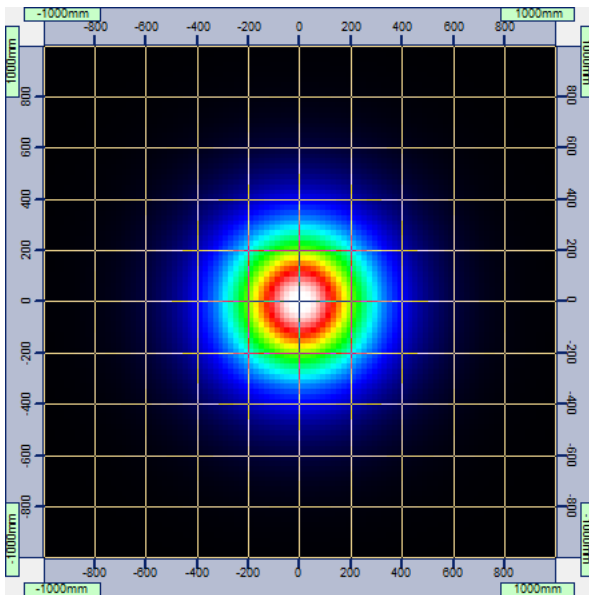
optic with prisms and texture

Narrow Beam Photometric Performance



LED luminous flux:	2750 lumens
Net Luminous flux:	2150 lumens
Beam width (FWHM*):	10°
On axis intensity:	29000 candelas

Polar Intensity Plot (candelas) - Brightness

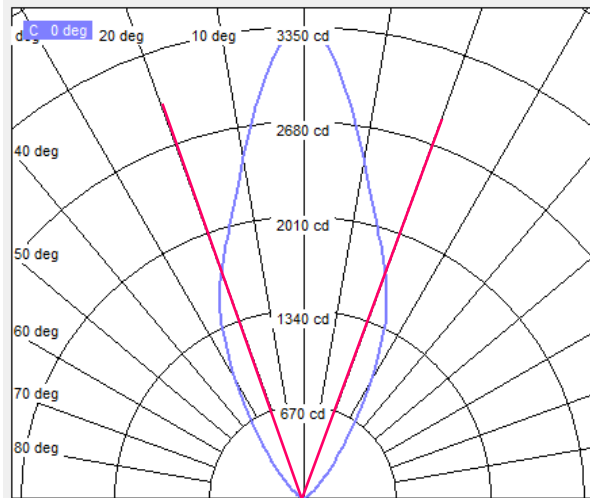


7100 lux on axis
illuminance measured
at 2m

Surface Illuminance at 2m (lux)

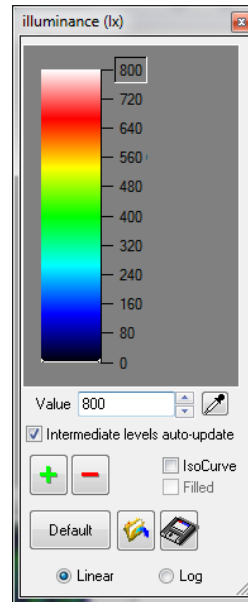
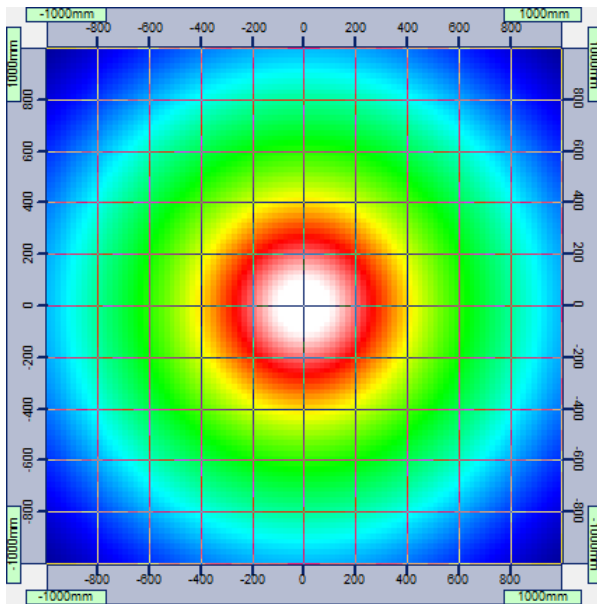
*FWHM = Full Width Half Maximum – the angle subtended by the light intensity measured at 50% of the on axis value.

Spread Beam Photometric Performance



LED luminous flux:	2750 lumens
Fixture flux:	2050 lumens
Beam width (FWHM*):	40°
On axis intensity:	3320 candelas

Polar Intensity Plot (candelas) - Brightness



820 lux on axis
illuminance measured
at 2m

Surface Illuminance at 2m (lux)

*FWHM = Full Width Half Maximum – the angle subtended by the light intensity measured at 50% of the on axis value.