

FULLY SEALABLE APOLLO lens for Luxeon



- Use with Lumileds' lambertian Luxeon® I, III and K2 series of white and monochrome LEDs
- Lens material optical grade PMMA with high UV and temperature resistance (105°C/220°F)
- NEW smooth spot and oval versions with improved efficiency and color uniformity
- No lens holder. Fastening to heat sink with a PU foam adhesive tape of automotive grade
- We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit board weaken the strength of the tape.
- Please check fastening details from this link:
(http://www.ledil.com/datasheets/DataSheet_TAPE.pdf)
- Lens foot can be potted with resin without losing anything in optical efficiency (fully sealed construction possible)
- Diameter 26 mm (approximately 1")
- Easy build of a complete luminaire using APOLLO, Luxeon® and heat sink
- All lens types have the same outer dimensions, which allow a cross use of them in the same lighting fixture

LENS TYPES

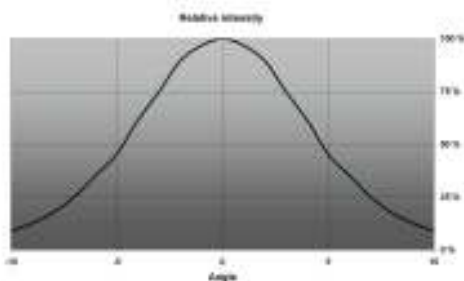
NAME	ORDERING CODE	FWHM
Apollo Spot	CA10315_Apollo-SS	±4°
Apollo Medium	CA10251_Apollo-M	±13°
Apollo Oval	CA10316_Apollo-O	±°17 / ±°4
Apollo Wide	CA10243_Apollo-W	±°33

SMOOTH SPOT lens is a pure collimator lens with light mixing properties. It smoothens the beam pattern and makes a uniform color distribution over the whole beam angle. Light intensity is lower than for the REAL SPOT lens. SMOOTH SPOT lens is recommended for white light applications, where pleasant, high-quality illumination is wished.

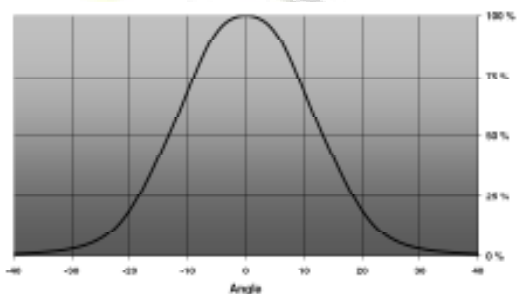
OVAL lens is optimal for cases where a narrow stripe of light is wished. If a wider vertical distribution is needed, please consider LEDIL K2S-O with wider vertical distribution and a color mixing structure.

MEASUREMENTS

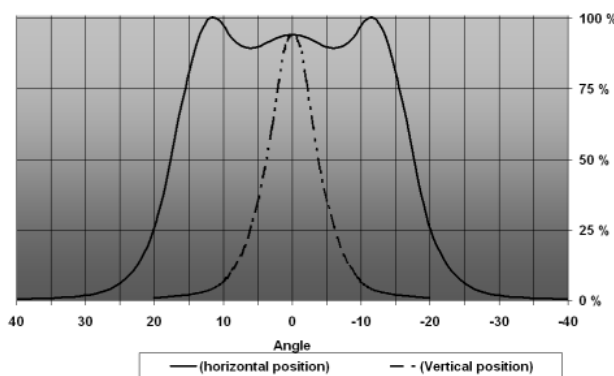
APOLLO-SS



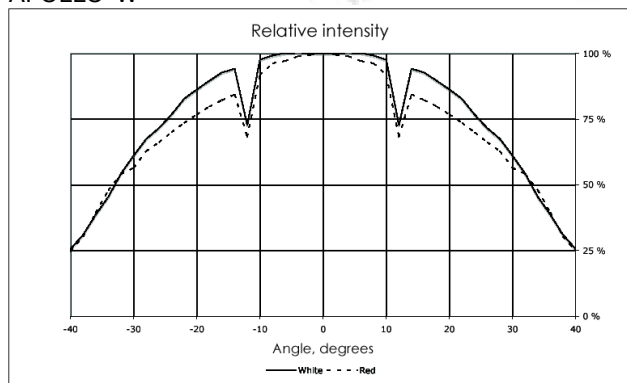
APOLLO-M



APOLLO-O



APOLLO-W



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PHOTOGRAPHS



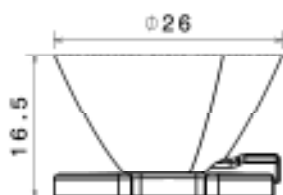
APOLLO-SS

APOLLO-M

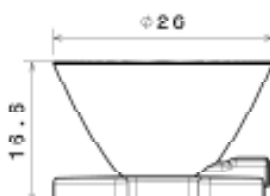
APOLLO-O

APOLLO-W

DIMENSIONS



APOLLO-SS & APOLLO-M



APOLLO-O



APOLLO-W

PACKAGING

Lenses are packed on plastic trays of 77 lenses. One box contains 13 trays, i.e. 1001 lenses.

SPECIAL VERSIONS

Special versions available on request, e.g. fully metallized outer surface allowing full potting of lens up to the top surface or different packing methods.



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