

## 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
- 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

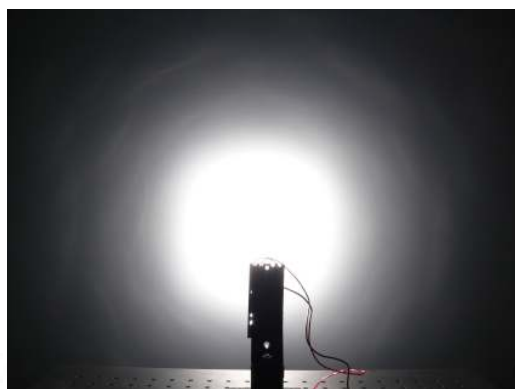
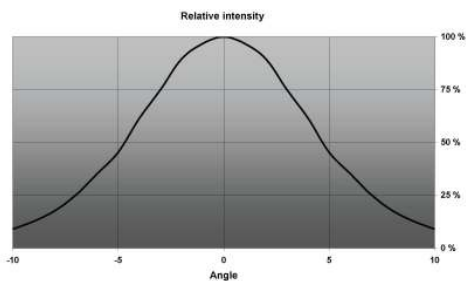
NAME	ORDERING CODE	FWHM
APOLLO spot	CA10315_Apollo-SS	±4°
APOLLO medium	CA10251_Apollo-M	±13°
APOLLO oval	CA10316_Apollo-O	±17° / ±4°
APOLLO wide	CA10243_Apollo-W	±33°

**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.

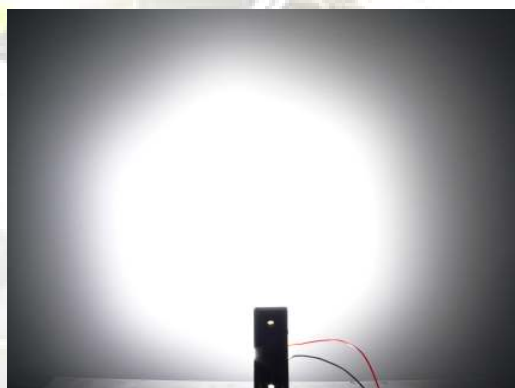
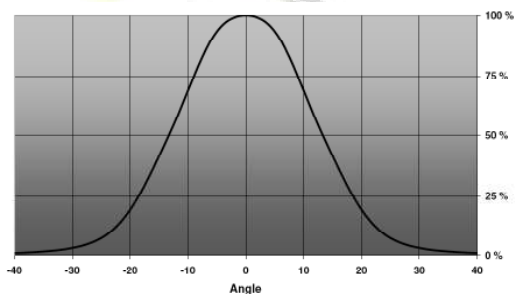
**OVAL** lens is optimal for cases where a narrow stripe of light is wished. If a wider vertical distribution is needed, please consider LEDIL K2S-O with wider vertical distribution and a color mixing structure.

## MEASUREMENTS

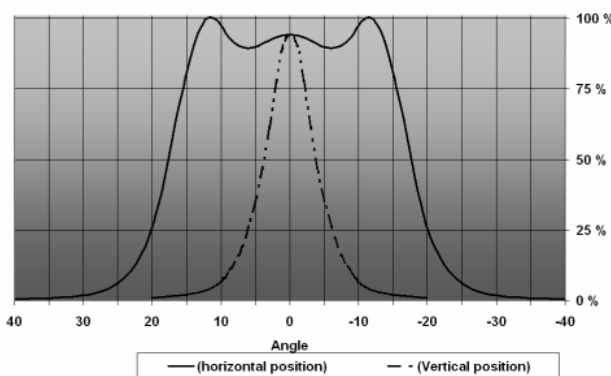
APOLLO-SS



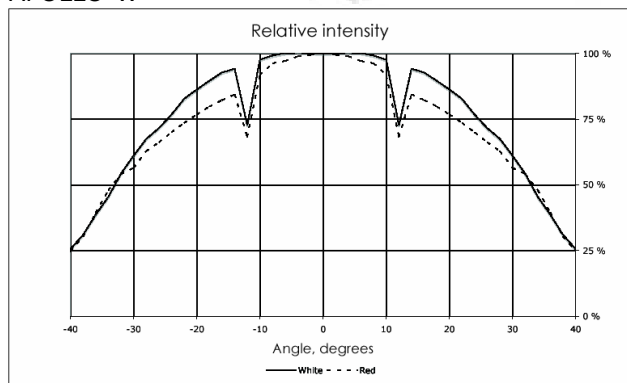
APOLLO-M



APOLLO-O



APOLLO-W



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## PHOTOGRAPHS



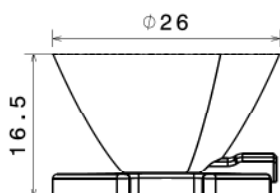
**APOLLO-SS**

**APOLLO-M**

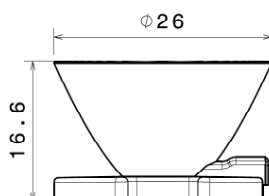
**APOLLO-O**

**APOLLO-W**

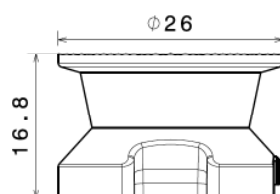
## DIMENSIONS



**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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