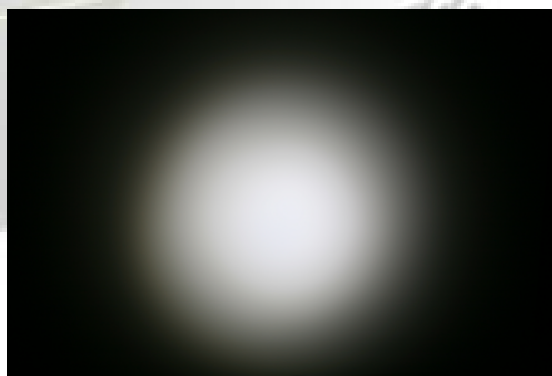
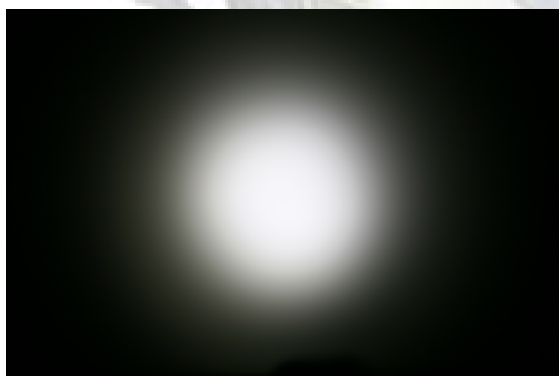


TWIDDLE lenses for Cree XR-E LEDs

- Specially designed for Cree XR-E series of LEDs
- Special care taken to make a uniform white or warm white illumination.
- Lens material optical grade PMMA
- Integrated holder. Fastening to heat sink with a PU foam adhesive tape of automotive grade
- Compact dimensions 21.6 x 14.4 mm. Square form enables easy build of matrix without any gaps between lenses.
- New PATENT PENDING "Omni-directional" technique, allows freely swivel the lens and its light distribution in any angle within +/- 15 degrees from the nominal position

LENS TYPES

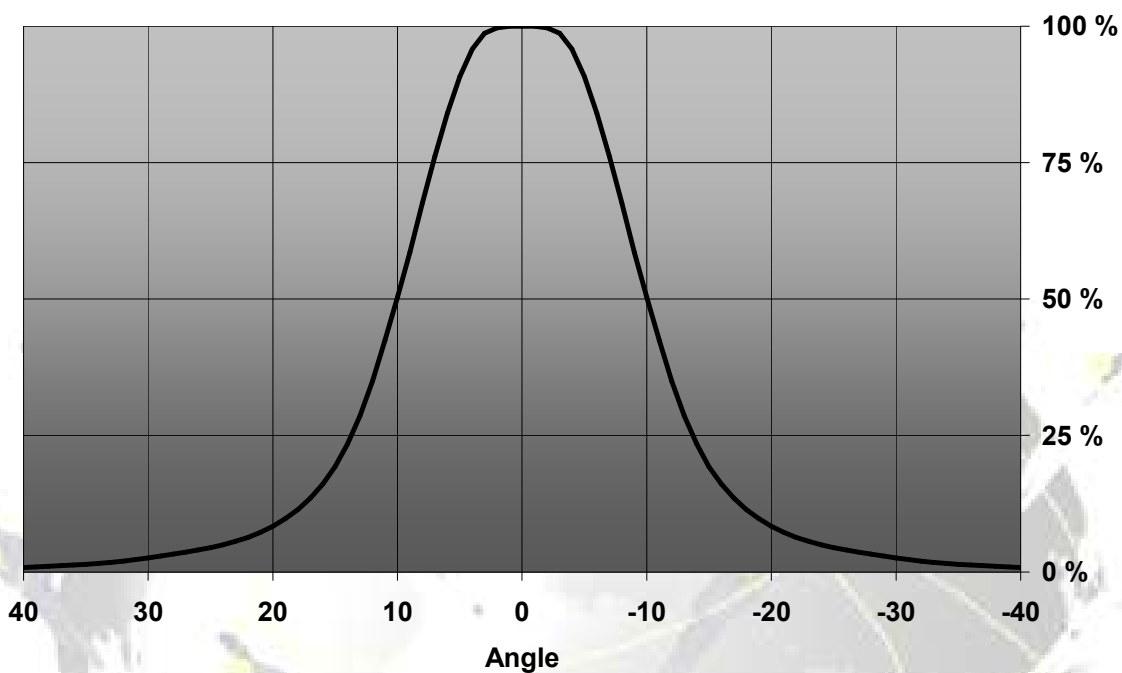
NAME	ORDERING CODE	FWHM Angle
TWIDDLE REAL SPOT	FA10745_Twiddle-XR-RS	$\pm N/A^{\circ}$
TWIDDLE DIFFUSER	FA10737_Twiddle-XR-D	$\pm 10^{\circ}$
TWIDDLE MEDIUM	FA10739_Twiddle-XR-M	$\pm 14^{\circ}$



MEASUREMENTSe

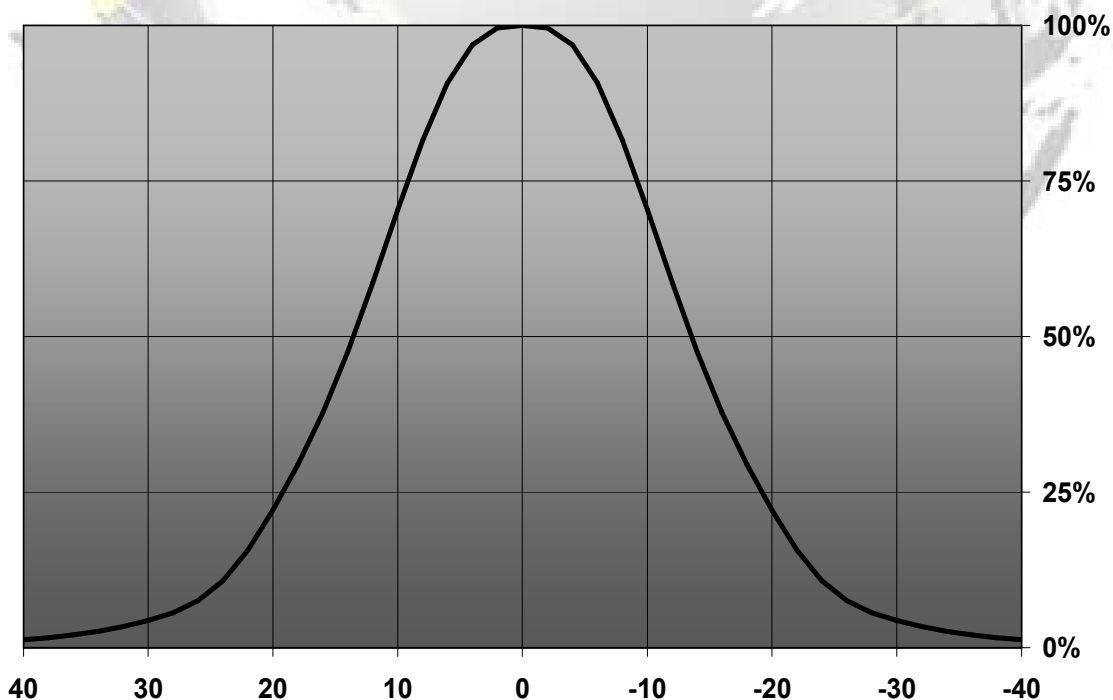
TWIDDLE-XR-D

Relative Intensity of TWIDDLE XR-E



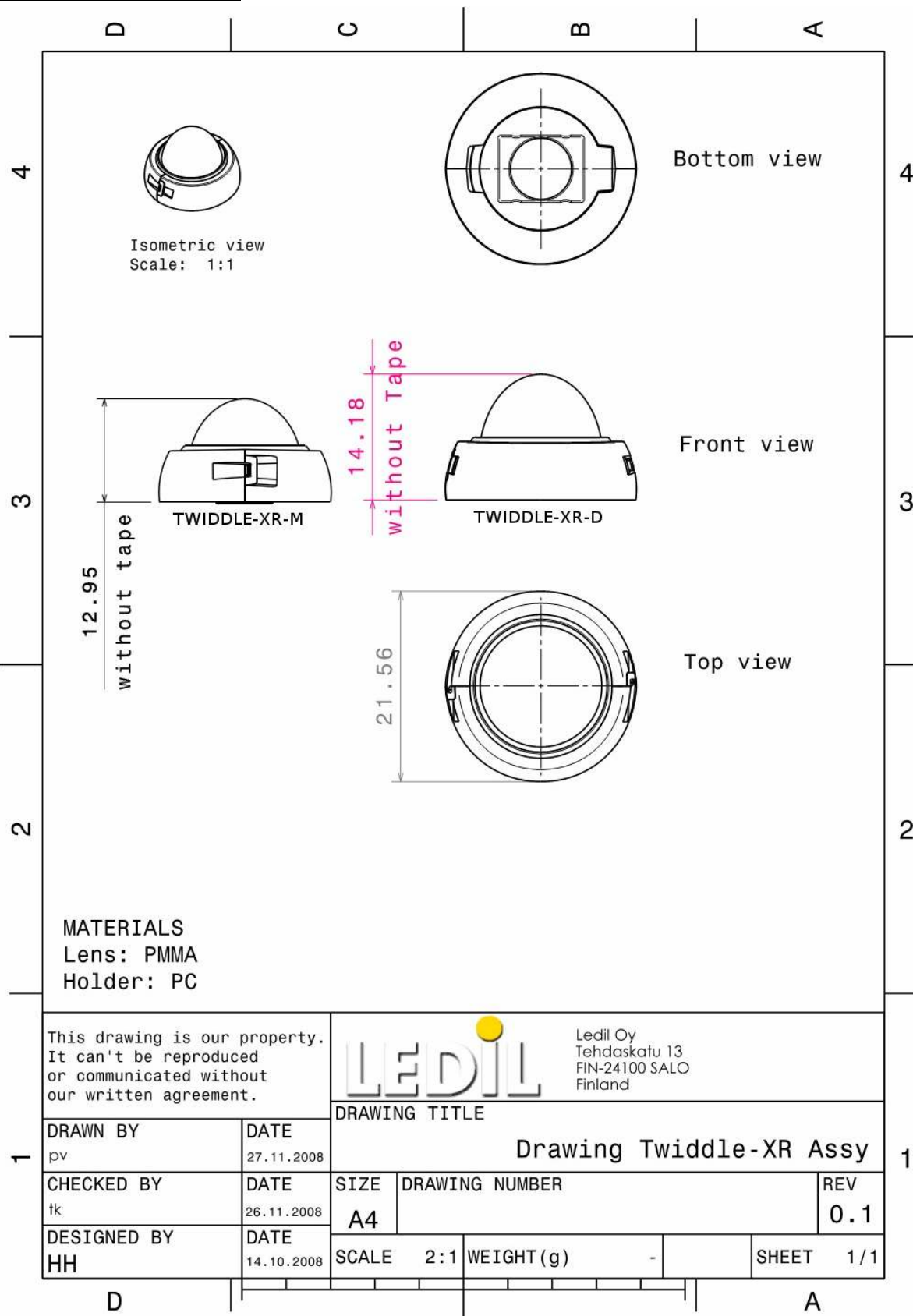
TWIDDLE-XR-M

Relative Intensity of FA10739_Twiddle-XR-M



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DIMENSIONS



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