# Twiddle-MX6 lenses for Cree MX-6 LEDs

- Specially designed for Cree MX-6 series of LEDs
- Special care taken to make a uniform white or warm white illumination.
- Lens material optical grade PMMA with high UV and temperature resistance (105°C/220°F). Allows use of high current and temperature conditions
- Integrated 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 boar weaken the strength of the tape.
- Please check fastening details from this link:
  (http://www.ledil.com/datasheets/DataSheet_TAPE.pdf)
- 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-MX6 Diffuser	FA10734_Twiddle-MX6-D	±14°
Twiddle-MX6 Medium	FA10736_Twiddle-MX6-M	±18°

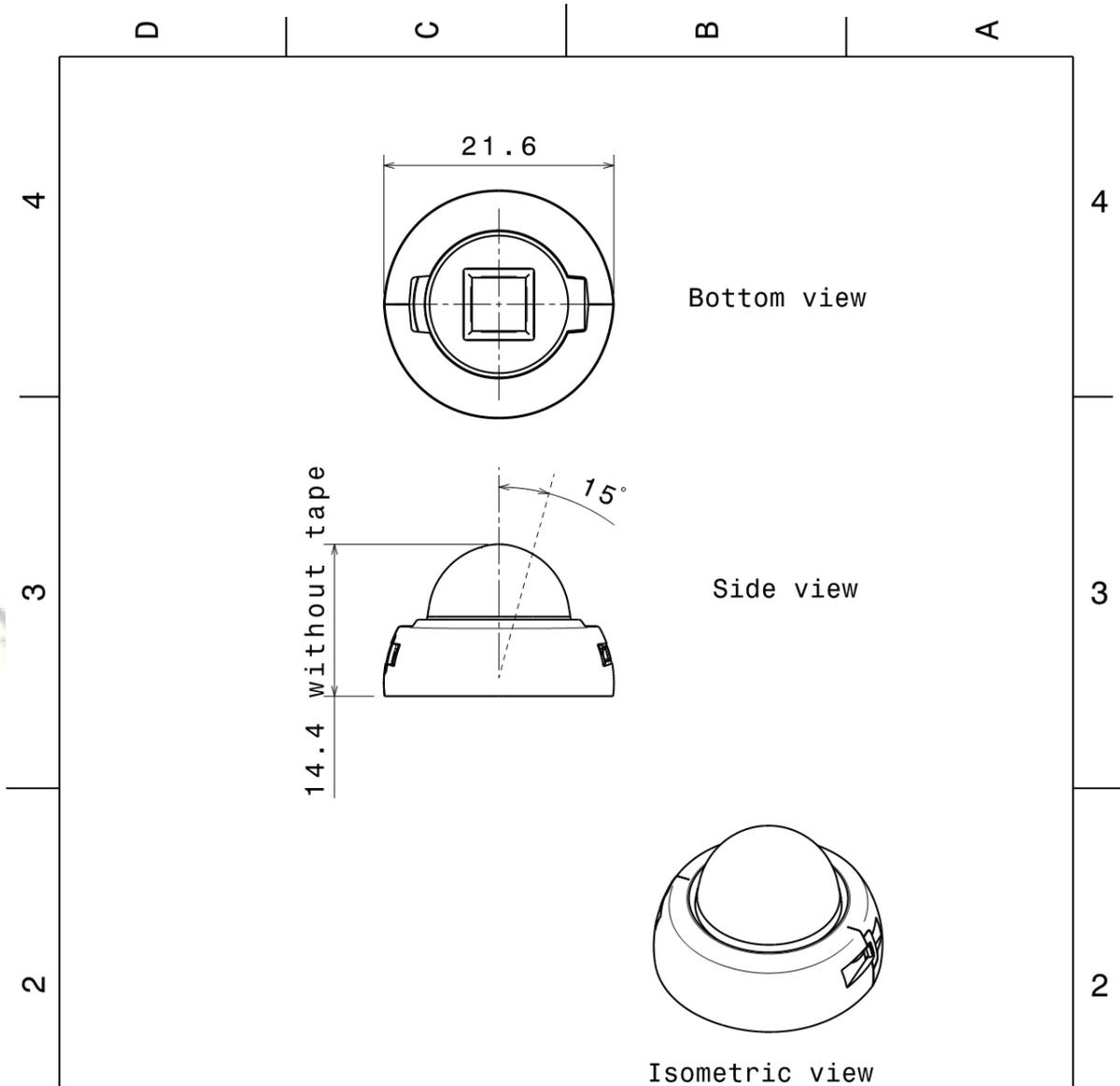## MEASUREMENTS

Relative Intensity of FA10734_Twiddle-MX6-D
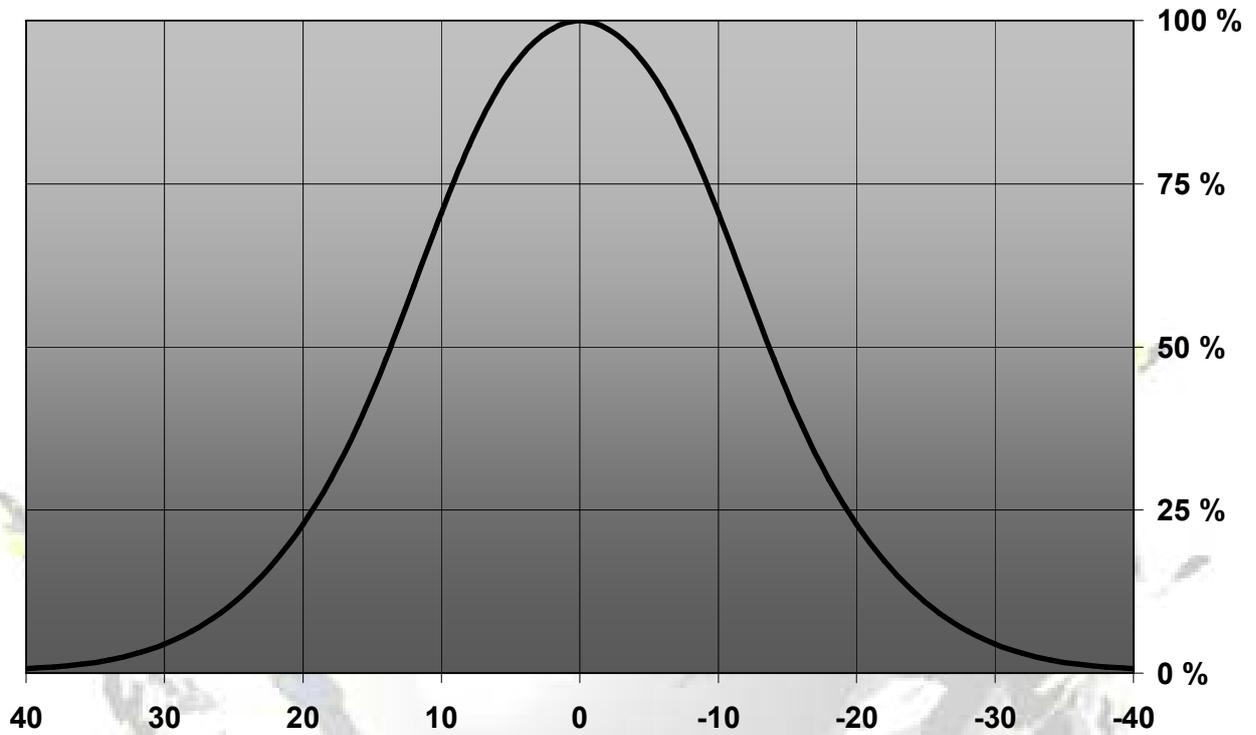
Relative Intensity of FA10736_Twiddle-MX6-M
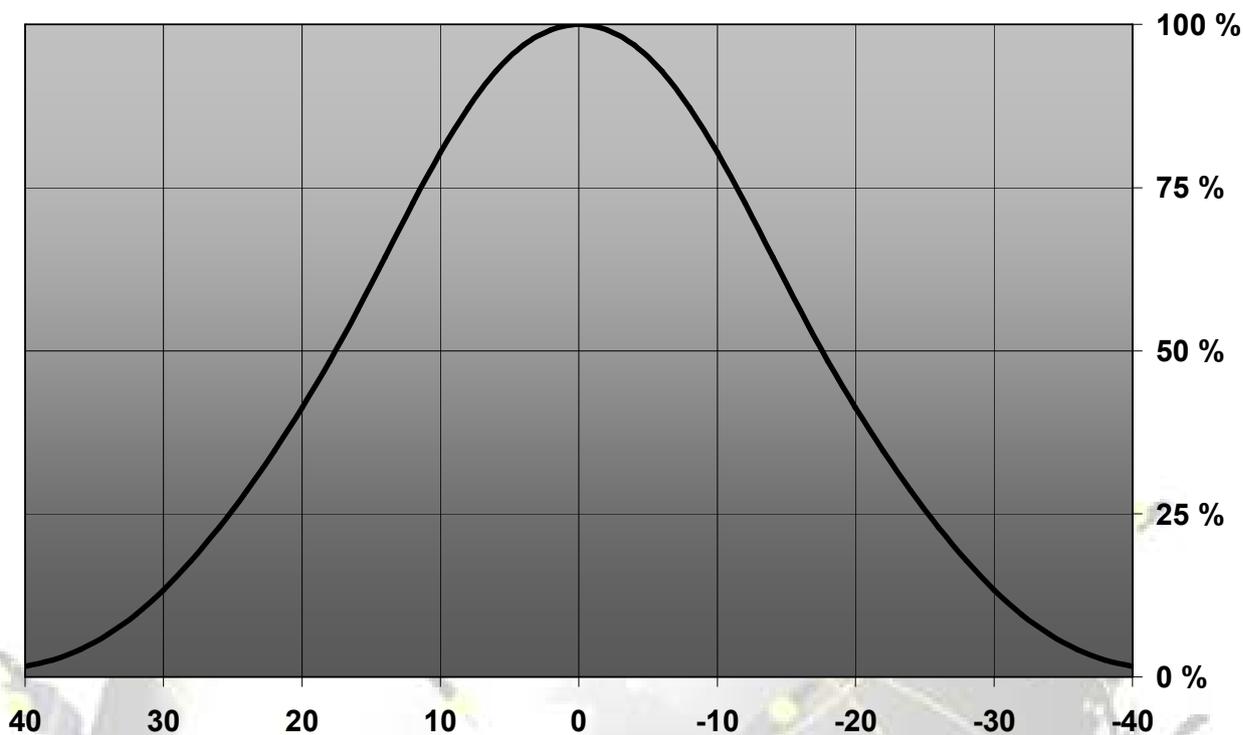
DIMENSIONS

21.6

Bottom view

15°

14.4 without tape

Side view

Isometric view

MATERIALS
Lens: PMMA
Holder: PC

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DRAWN BY	DATE			
pv	06.10.2008			

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DRAWING TITLE
Datasheet Assy Twiddle

CHECKED BY	DATE	SIZE	DRAWING NUMBER	REV
tk	02.10.2008	A4	10734	0.1
DESIGNED BY	DATE	SCALE 2:1	WEIGHT(g) -	SHEET 1/1
HH	20.08.2008			

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[Ledil](#):
  [C11814_SANDRA-12-M](#) [C12219_STRADA-A2](#) [FA10734_TWIDDLE-D](#) [FA10736_TWIDDLE-M](#)