

## Twiddle-MX6 lenses for Cree MX-6 LEDs



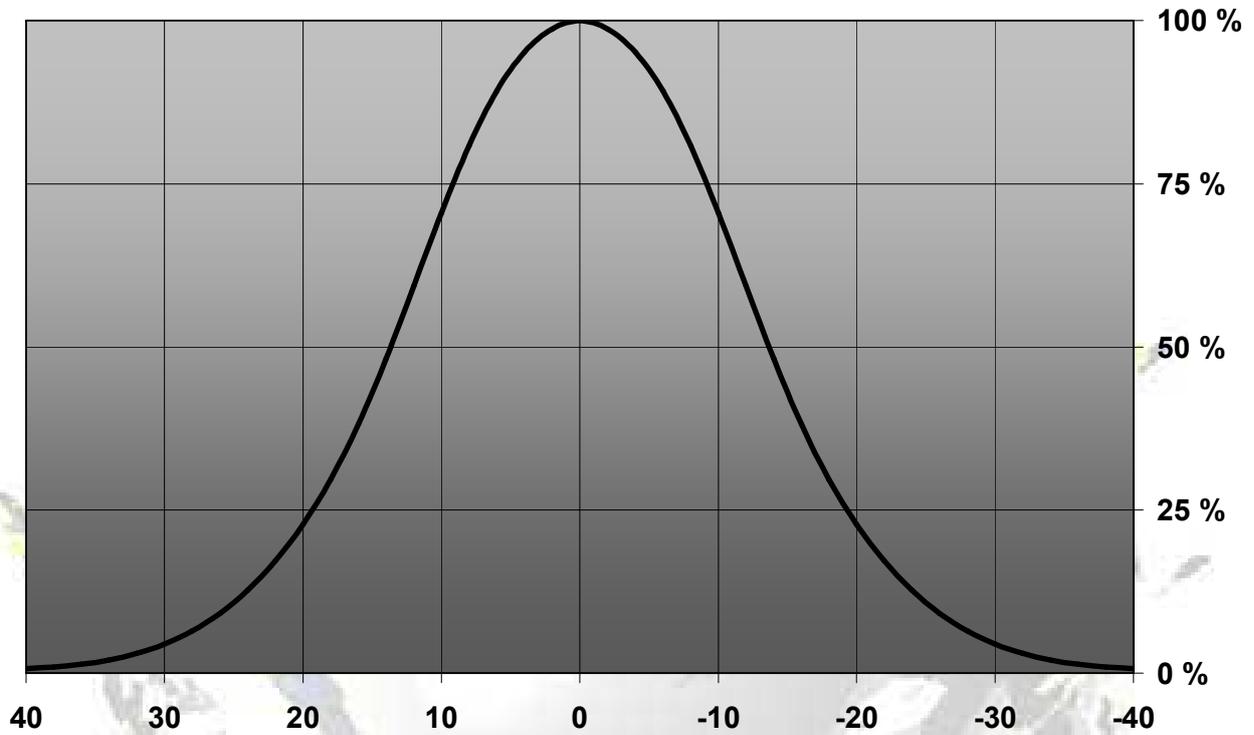
- Specially designed for Cree MX-6 series of LEDs
- Special care taken to make a uniform white or warm white illumination.
- Lens material optical grade PMMA with high UV and temperature resistance (105°C/220°F). Allows use of high current and temperature conditions
- Integrated holder. Fastening to 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 board weaken the strength of the tape.
- Please check fastening details from this link:  
([http://www.ledil.com/datasheets/DataSheet\\_TAPE.pdf](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°

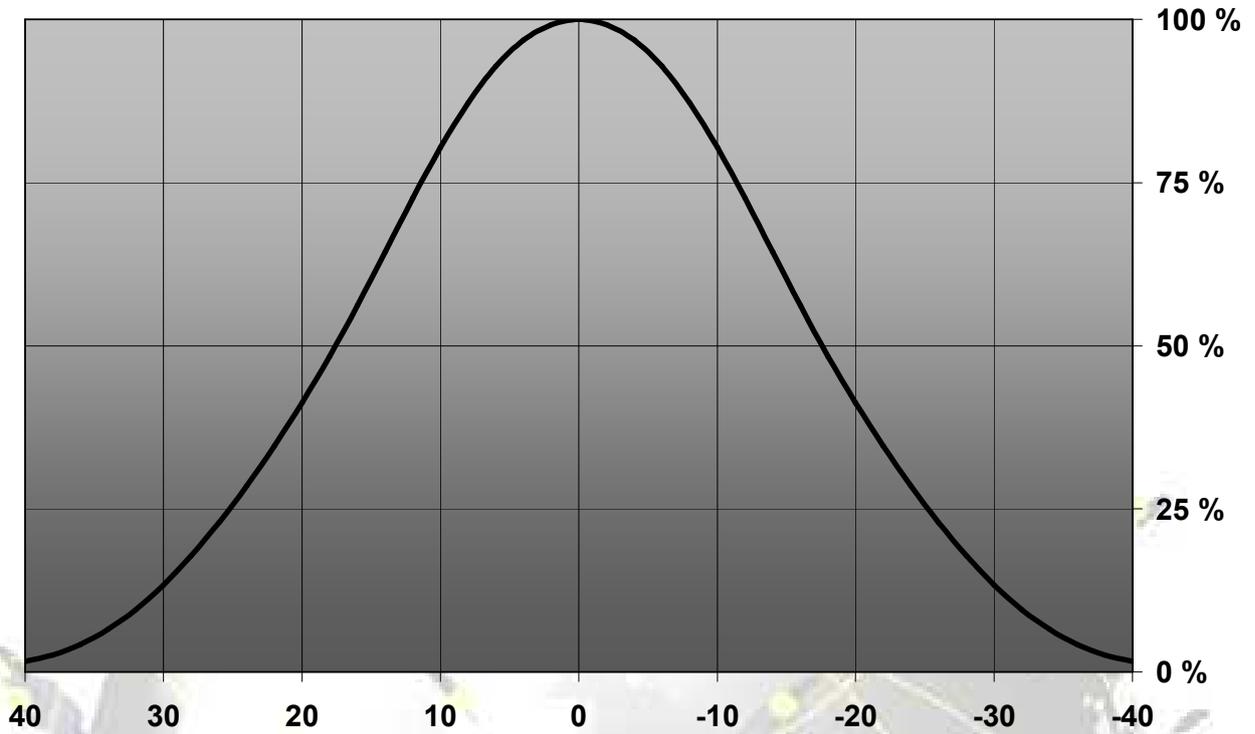
## MEASUREMENTS

Relative Intensity of FA10734\_Twiddle-MX6-D



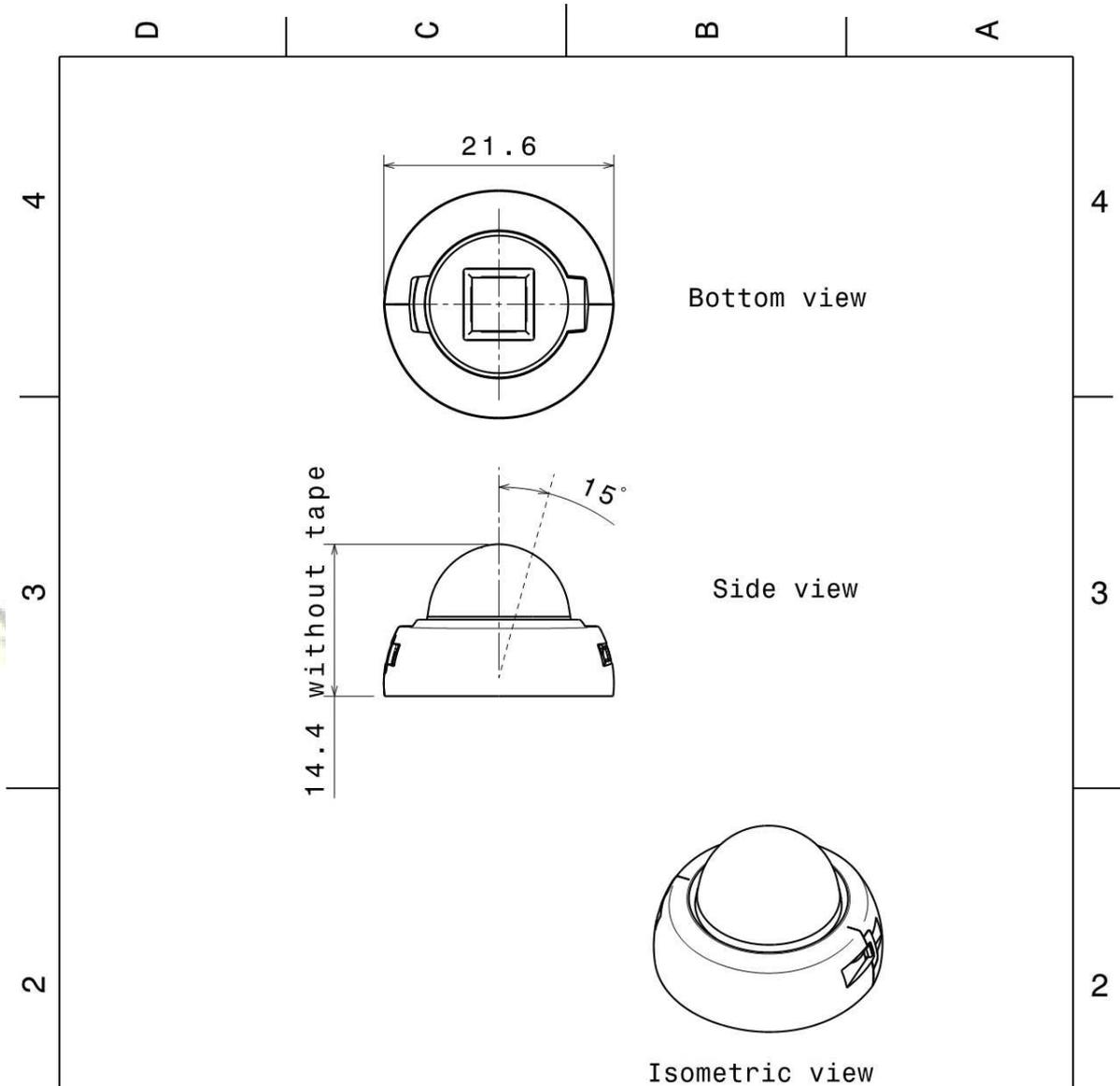
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Relative Intensity of FA10736\_Twiddle-MX6-M



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## DIMENSIONS



**MATERIALS**  
 Lens: PMMA  
 Holder: PC

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DRAWING TITLE

Datasheet Assy Twiddle

DRAWN BY pv	DATE 06.10.2008
CHECKED BY fk	DATE 02.10.2008
DESIGNED BY HH	DATE 20.08.2008

SIZE A4	DRAWING NUMBER 10734	REV 0.1
SCALE 2:1	WEIGHT(g) -	SHEET 1/1