RGBX lenses for Cree's MC-E series of LEDs

CREE
www.cree.com

- Specially designed for Cree's MC-E series of LEDs.
- Special care taken to make a uniform RGB, white or warm white illumination.
- Lens material optical grade PMMA. Allows use of high current and temperature conditions
- Best available optical efficiency, up to 90%.

LENS TYPES

NAME	ORDERING CODE	FWHM Angle
RGBX-MC Smooth Spot	CA10961_RGBX-MC-SS	±10°
RGBX-MC Medium	CA10944_RGBX-MC-M	±13°
RGBX-MC Oval	CA10945_RGBX-MC-O	±24 x ±16°

SMOOTH SPOT lens is a pure collimator lens with no good color mixing properties. SMOOTH SPOT lens is recommended for white light applications or color applications where maximum light intensity is needed.

MEDIUM lens is optimal for cases where a pleasant, medium-type spotlight distribution with uniform color mixing is wished.

OVAL lens is optimal for cases where an oval beam with good color mixing is wished.

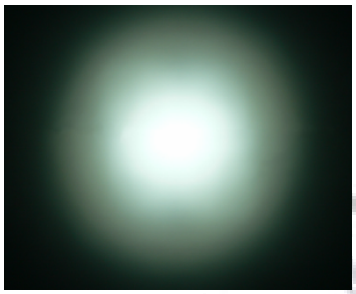
© Ledil Oy – PRELIMINARY - Subject to change without prior notice

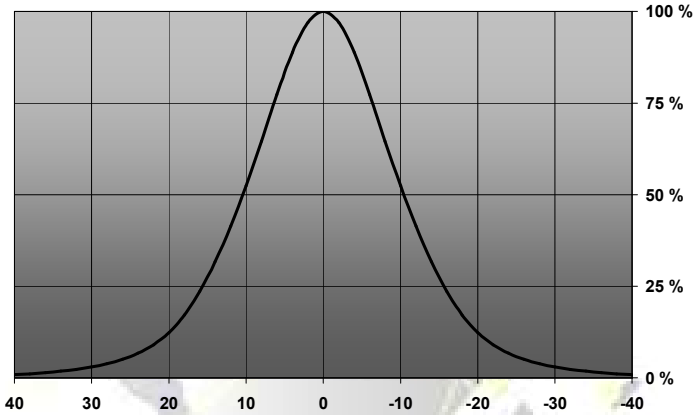
Ledil Oy
Tehdaskatu 13
FIN-24100 SALO, Finland

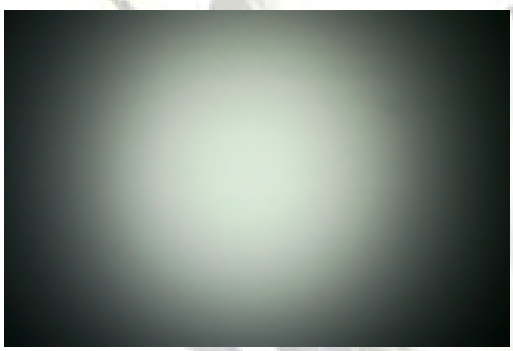
www.ledil.com
email: ledil@ledil.com
FAX: +358-2-733 8001

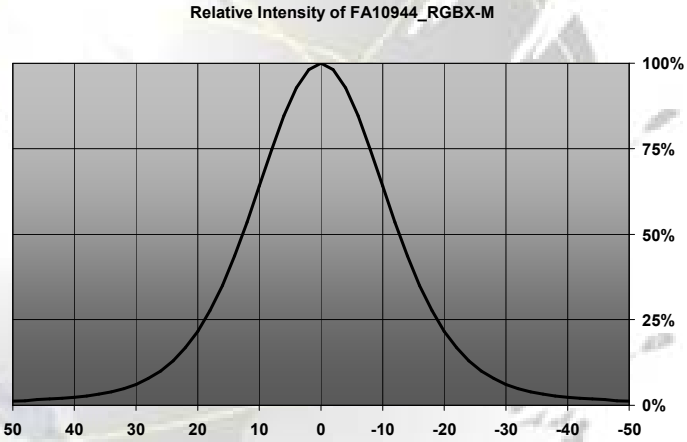
2010-01-12

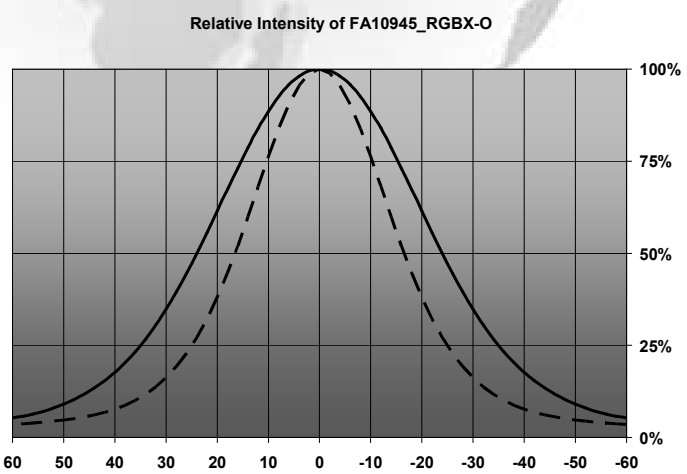
MEASUREMENT DATA











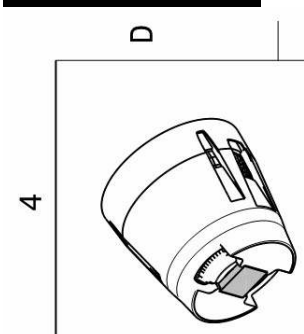
© Ledil Oy – PRELIMINARY - Subject to change without prior notice

Ledil Oy
Tehdaskatu 13
FIN-24100 SALO, Finland

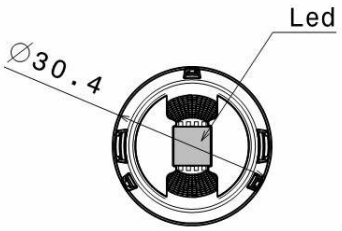
www.ledil.com
email: ledil@ledil.com
FAX: +358-2-733 8001

2010-01-12

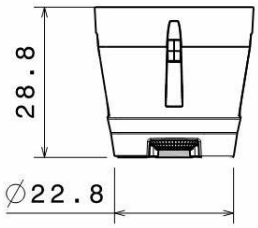
DRAWINGS



Isometric view



Bottom view



Front view

Materials:
Lens PMMA
Holder PC Black
Sublens PC

FA10944-Medium
FA10945-Oval

This drawing is our property. It can't be reproduced or communicated without our written agreement.		Ledil Oy Tehdaskatu 13 FIN-24100 SALO Finland		
DRAWN BY: pv	DATE: 07.05.2009	DRAWING TITLE: Datasheet RGBX-MC Assy		
CHECKED BY: tk	DATE: 02.04.2009	SIZE: A4	DRAWING NUMBER: FA10944, FA10945	REV: 0.1
DESIGNED BY: pv	DATE: 02.04.2009	SCALE: 1:1	WEIGHT(g):	SHEET: 1/1

© Ledil Oy – PRELIMINARY - Subject to change without prior notice

Ledil Oy
Tehdaskatu 13
FIN-24100 SALO, Finland

www.ledil.com
email: ledil@ledil.com
FAX: +358-2-733 8001