

RGBX-M

~30° medium beam optimized for CREE MC-E RGB. Assembly with colour mixing sublens and holder.

SPECIFICATION:

Dimensions	Ø 30.4 mm
Height	28.8 mm
Fastening	glue
ROHS compliant	yes ⓘ

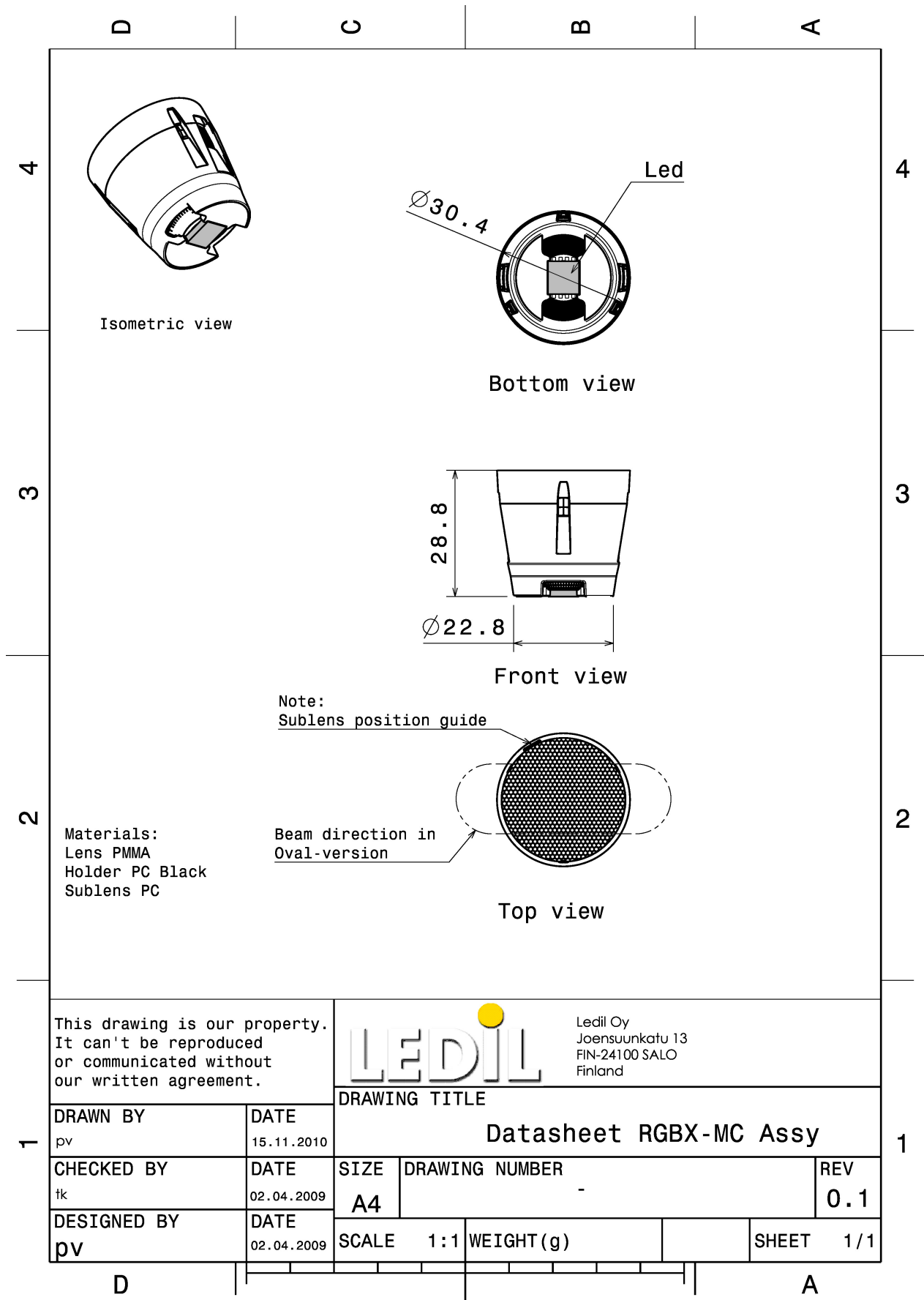


MATERIALS:

Component	Type	Material	Colour	Finish	Length
RGBX-SS	Single lens	PMMA	clear		30.4
RGBX-MC-HLD	Holder	PC	black		30.4
RGBX-M-SUB	Sublens	PC	clear		28.2

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CP10944_RGBX-M » Box size: 480 x 280 x 300 mm	486		54	7.7



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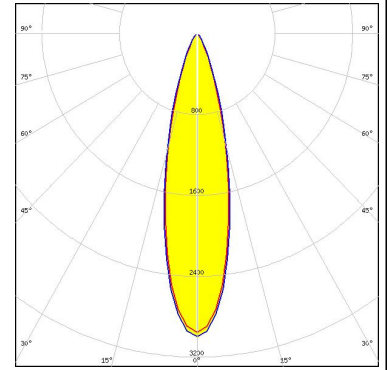
DRAWN BY pv		DATE 15.11.2010	DRAWING TITLE Datasheet RGBX-MC Assy		
CHECKED BY tk	DATE 02.04.2009	SIZE A4	DRAWING NUMBER -		REV 0.1
DESIGNED BY pv	DATE 02.04.2009	SCALE 1:1	WEIGHT (g)	SHEET 1/1	

See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



LED	MC-E RGB
FWHM / FWTM	26.0°
Efficiency	72 %
LEDs/each optic	1
Light colour/type	White
Required components:	

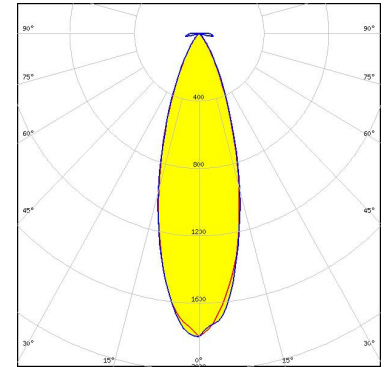


Light distribution files

OPTICAL RESULTS (SIMULATED):



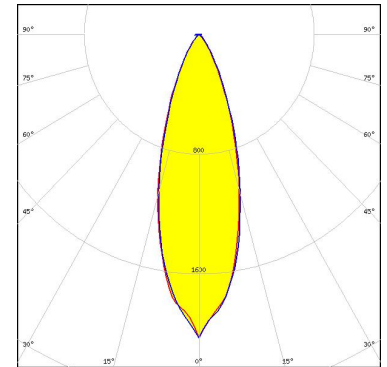
LED XB-D
FWHM / FWTM 32.0° / 61.0°
Efficiency 72 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



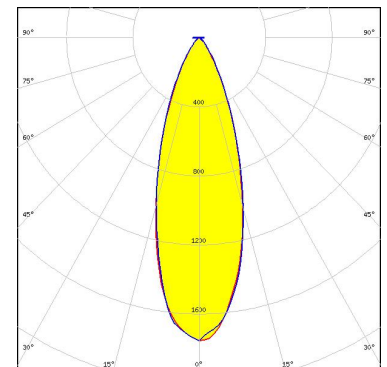
LED XP-G2
FWHM / FWTM 32.0° / 63.0°
Efficiency 81 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G3
FWHM / FWTM 34.0° / 66.0°
Efficiency 77 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

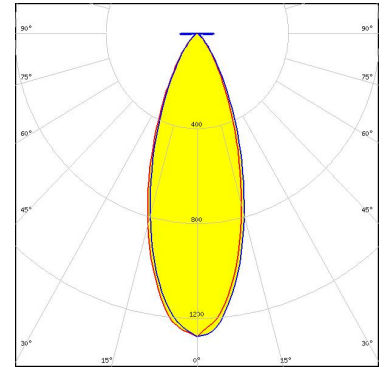


Light distribution files

OPTICAL RESULTS (SIMULATED):



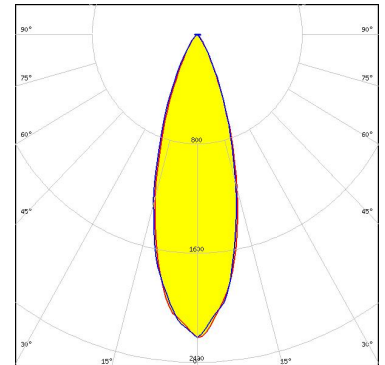
LED LUXEON C
FWHM / FWTM 36.0° / 72.0°
Efficiency 68 %
Peak intensity 1.3 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:



Light distribution files



LED OSOLON Pure 1414
FWHM / FWTM 32.0° / 58.0 + 60.0°
Efficiency 82 %
Peak intensity 2.2 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:



Light distribution files

GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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