

RGBX2-M

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

SPECIFICATION:

Dimensions	Ø 30.4 mm
Height	28.2 mm
Fastening	glue
ROHS compliant	yes ⓘ

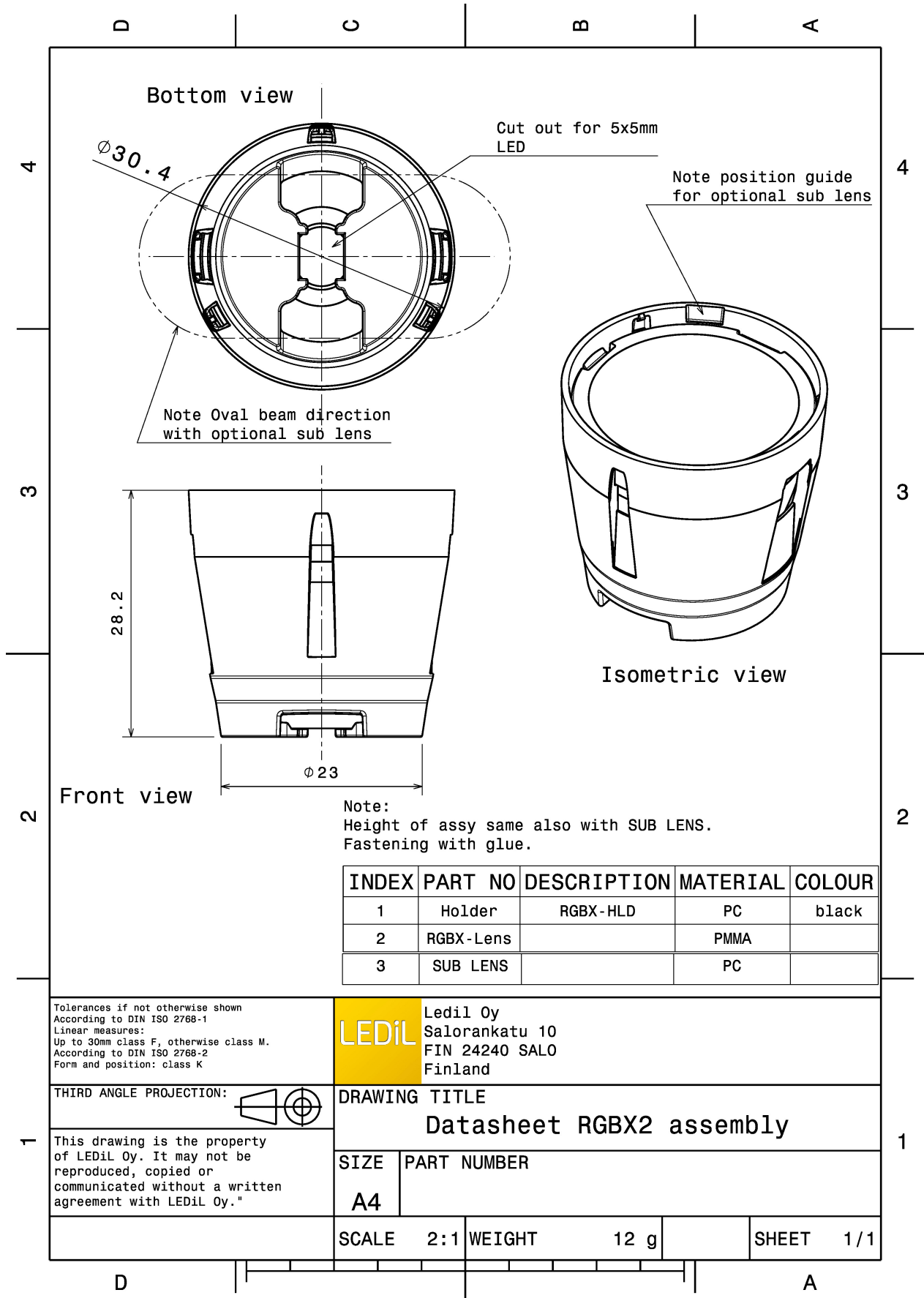


MATERIALS:

Component	Type	Material	Colour	Finish	Length
RGBX2-S	Single lens	PMMA	clear		28.0
RGBX-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)
CP13938_RGBX2-M » Box size: 480 x 280 x 300 mm	486	108	54	8.0

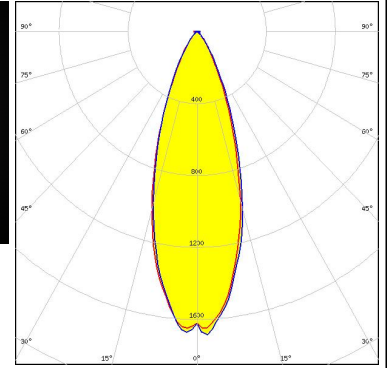


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



LED XM-L RGBW (XMLCTW)
FWHM / FWTM 34.0° / 67.0°
Efficiency 68 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:

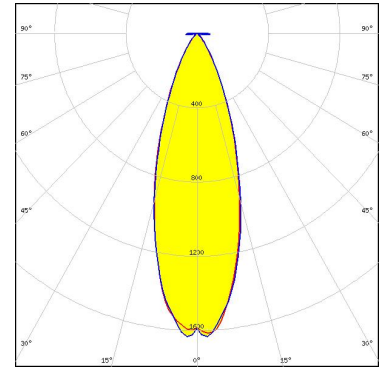


Light distribution files

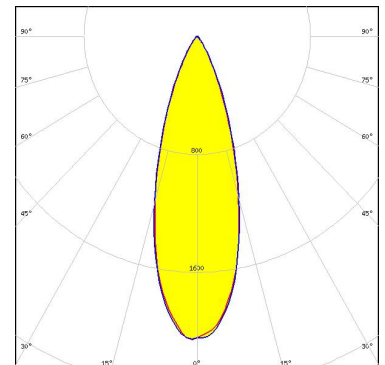
OPTICAL RESULTS (SIMULATED):



LED XB-D
FWHM / FWTM 34.0° / 64.0°
Efficiency 71 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



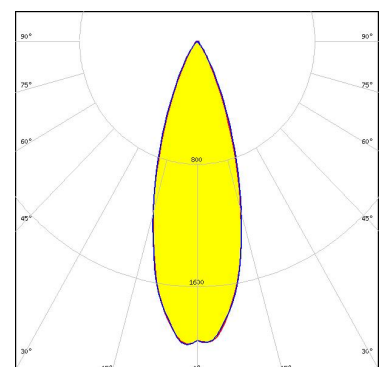
LED XM-L RGBW (XMLDCL HD)
FWHM / FWTM 32.0° / 59.0 + 60.0°
Efficiency 78 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files



LED XM-L RGBW (XMLDCL HI)
FWHM / FWTM 34.0° / 60.0°
Efficiency 78 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:

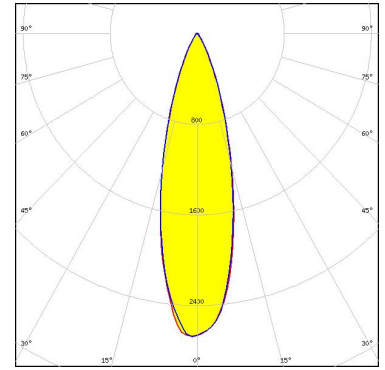


Light distribution files

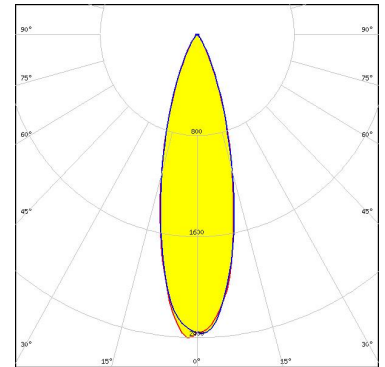
OPTICAL RESULTS (SIMULATED):



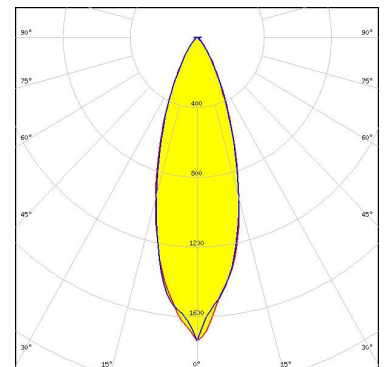
LED XP-G2
FWHM / FWTM 28.0° / 54.0°
Efficiency 81 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



LED XP-G3
FWHM / FWTM 28.0° / 56.0°
Efficiency 76 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



LED XQ-E HI
FWHM / FWTM 32.0° / 64.0°
Efficiency 74 %
Peak intensity 1.8 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:

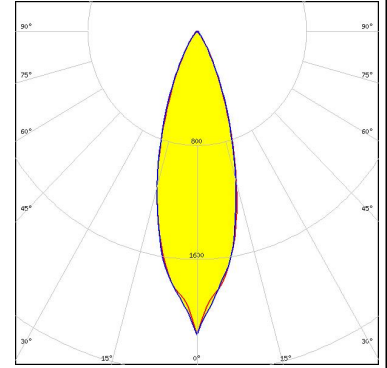


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	OSLON Pure 1414
FWHM / FWTM	32.0 + 31.0° / 60.0 + 61.0°
Efficiency	78 %
Peak intensity	2.1 cd/lm
LEDs/each optic	4
Light colour/type	RGBW
Required components:	



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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