

RGBX2-O

~50°+ 24° oval beam optimized for CREE XM-L RGB. Assembly with colour mixing sublens and holder.

SPECIFICATION:

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

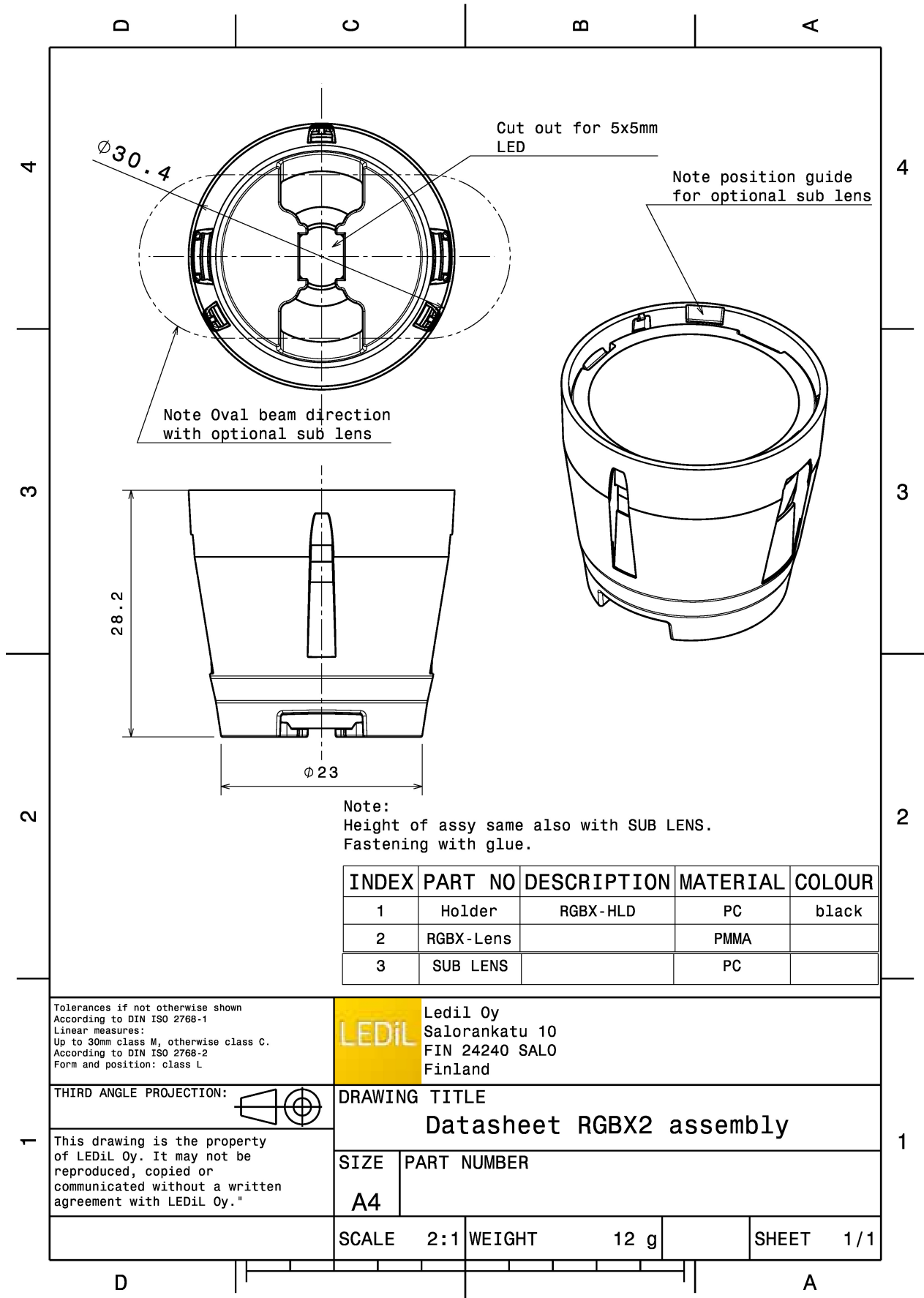


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
RGBX2-S	Single lens	PMMA	clear		
RGBX-HLD	Holder	PC	black		
RGBX-O-SUB	Sublens	PC	clear		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CP13939_RGBX2-O » Box size: 480 x 280 x 300 mm	486		54	8.0



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	Holder	RGBX-HLD	PC	black
2	RGBX-Lens		PMMA	
3	SUB LENS		PC	

Tolerances if not otherwise shown
 According to DIN ISO 2768-1
 Linear measures:
 Up to 30mm class M, otherwise class C.
 According to DIN ISO 2768-2
 Form and position: class L

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THIRD ANGLE PROJECTION:

DRAWING TITLE
Datasheet RGBX2 assembly

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SIZE	PART NUMBER
A4	

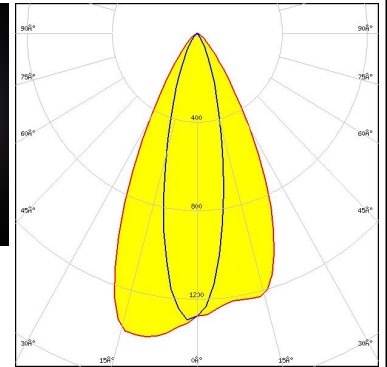
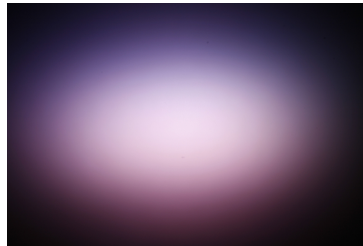
SCALE	2:1	WEIGHT	12 g	SHEET	1/1
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See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



LED	XM-L RGBW (XMLCTW)
FWHM / FWTM	48.0 + 24.0° / 86.0 + 54.0°
Efficiency	66 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

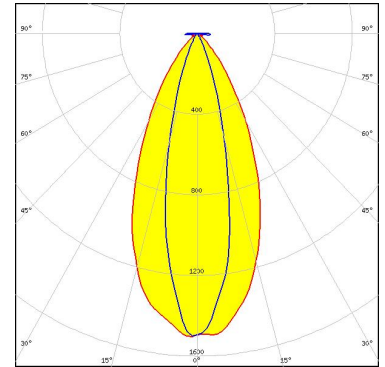


Light distribution files

OPTICAL RESULTS (SIMULATED):



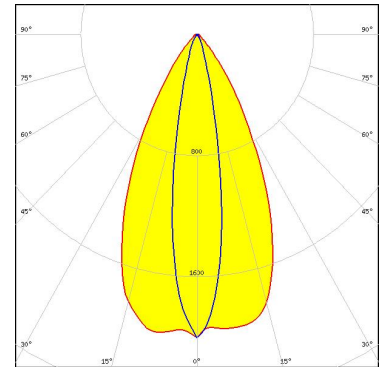
LED XB-D
FWHM / FWTM 48.0 + 24.0° / 86.0 + 46.0°
Efficiency 68 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



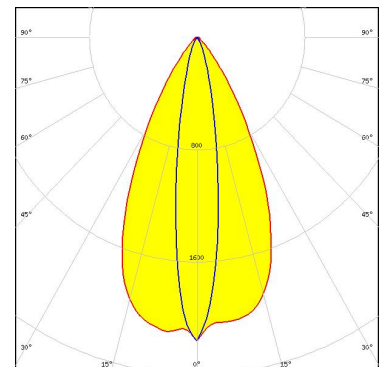
LED XM-L RGBW (XMLDCL HD)
FWHM / FWTM 52.0 + 19.0° / 82.0 + 37.0°
Efficiency 75 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files



LED XM-L RGBW (XMLDCL HI)
FWHM / FWTM 52.0 + 16.0° / 80.0 + 39.0°
Efficiency 75 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:

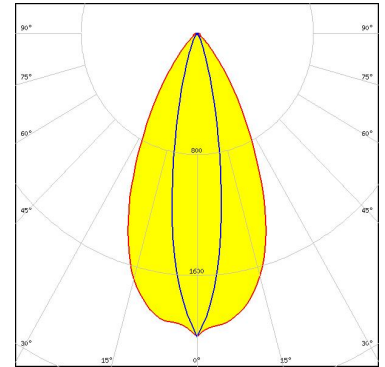


Light distribution files

OPTICAL RESULTS (SIMULATED):



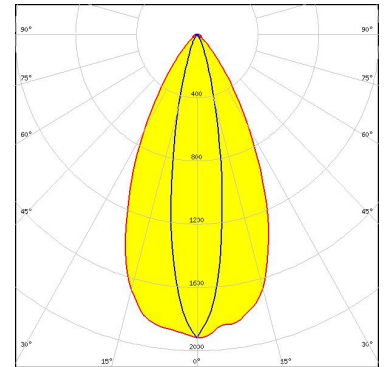
LED XP-E2
FWHM / FWTM 50.0 + 20.0° / 82.0 + 40.0°
Efficiency 75 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



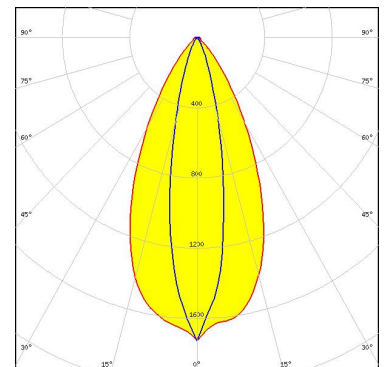
LED XP-G2
FWHM / FWTM 52.0 + 20.0° / 84.0 + 40.0°
Efficiency 75 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G3
FWHM / FWTM 50.0 + 22.0° / 84.0 + 44.0°
Efficiency 70 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

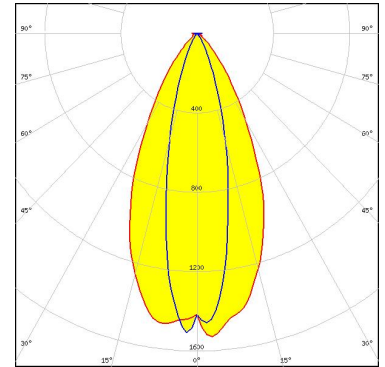


Light distribution files

OPTICAL RESULTS (SIMULATED):



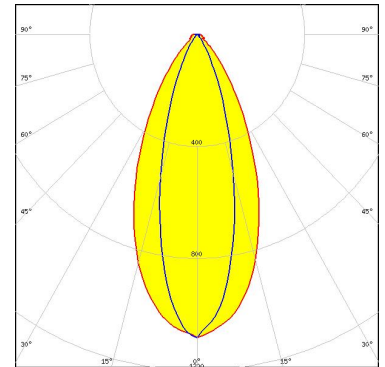
LED XQ-E HI
 FWHM / FWTM 50.0 + 24.0° / 86.0 + 51.0°
 Efficiency 70 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:



Light distribution files



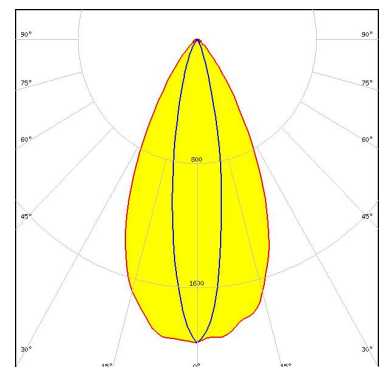
LED LUXEON C
 FWHM / FWTM 49.0 + 30.0° / 87.0 + 58.0°
 Efficiency 57 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:



Light distribution files



LED OSOLON Pure 1414
 FWHM / FWTM 52.0 + 20.0° / 82.0 + 42.0°
 Efficiency 74 %
 Peak intensity 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:

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