RGBX2-O

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

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 30.4 mm
Height	28.2 mm
Fastening	glue
Colour	black
Box size	480 x 280 x 300 mm
Box weight	8 kg
Quantity in Box	486 pcs
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
RGBX2-S	Single lens	PMMA	clear
RGBX-HLD	Holder	PC	black
RGBX-O-SUB	Sublens	PC	clear

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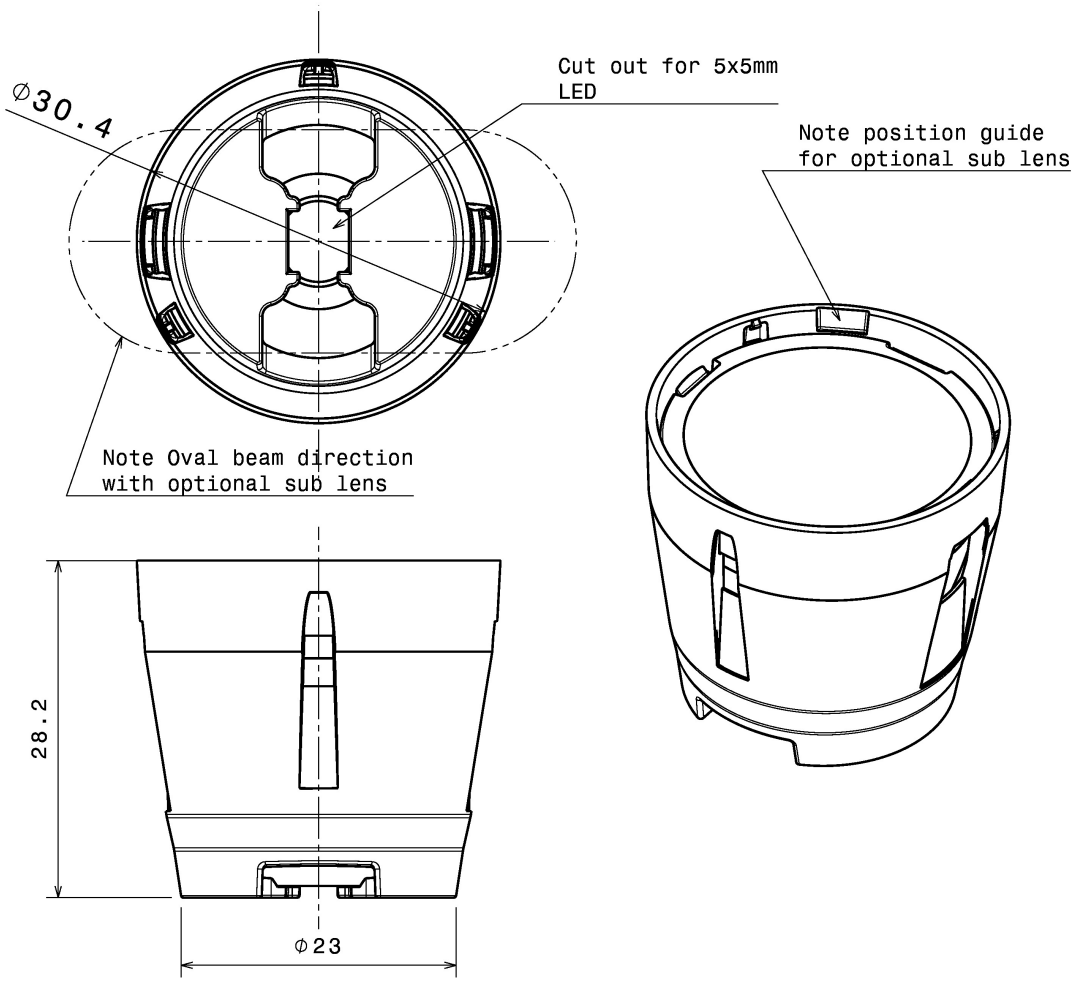

Note:
Height of assy same also with SUB LENS.
Fastening with glue.

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

THIRD ANGLE PROJECTION:

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DRAWING TITLE
Datasheet RGBX2 assembly

SIZE A4 | PART NUMBER

SCALE 2:1 | WEIGHT 12 g | SHEET 1/1

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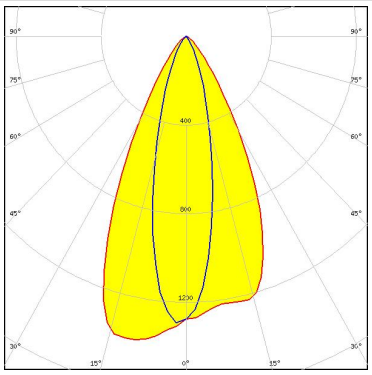
PHOTOMETRIC DATA (MEASURED):

CREE

LED	XM-L RGB
FWHM	48.0 + 24.0°
Efficiency	66 %
Peak intensity	1.480 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



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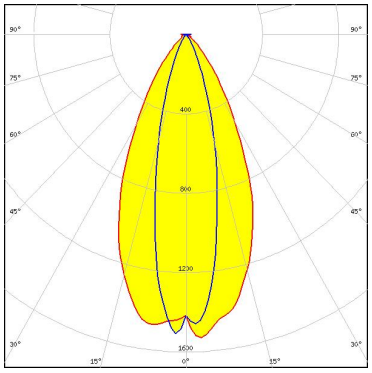
PHOTOMETRIC DATA (SIMULATED):

CREE

LED	XQ-E HI
FWHM	50.0 + 24.0°
Efficiency	70 %
Peak intensity	1.560 cd/lm
LEDs/each optic	4
Light colour	RGBW

Required components:



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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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