RGBX2-S

~20° spot beam optimized for CREE XM-L RGB. Assembly with holder.

SPECIFICATION:

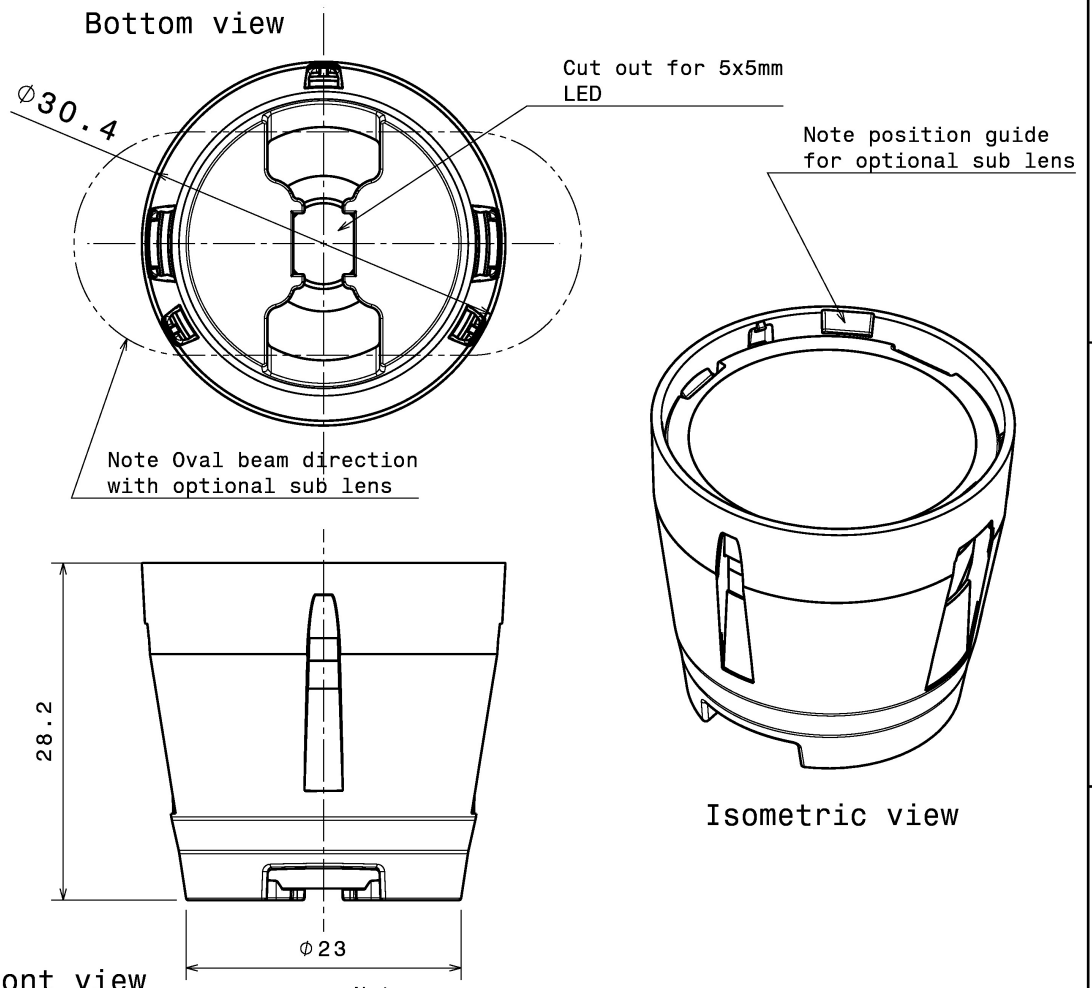
Dimensions	Ø 30.4 mm
Height	28.2 mm
Fastening	glue
ROHS compliant	yes

MATERIALS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP13682_RGBX2-S	Single lens	486	108	54	6.8
» Box size: 480 x 280 x 300 mm					



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 F, otherwise class M.
According to DIN ISO 2768-2
Form and position: class K

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THIRD ANGLE PROJECTION:

DRAWING TITLE
Datasheet RGBX2 assembly

SIZE A4 | PART NUMBER

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

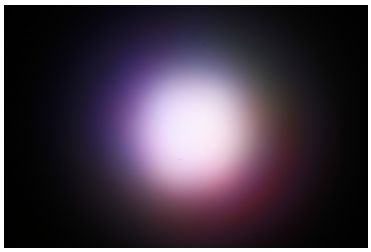
See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XM-L RGBW (XMLCTW)
FWHM / FWTM	20.0° / 40.0°
Efficiency	77 %
Peak intensity	4.6 cd/lm
LEDs/each optic	1
Light colour	RGBW

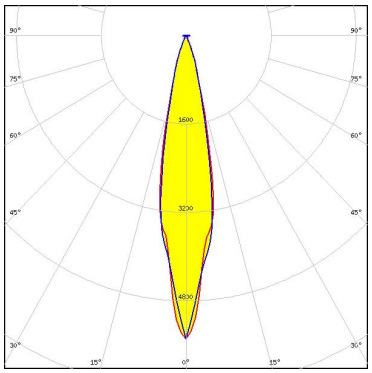
Required components:



OPTICAL RESULTS (SIMULATED):

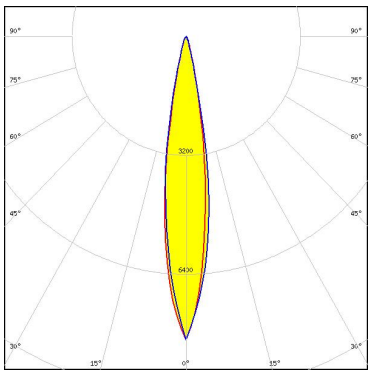
CREE LEDs

LED	XB-D
FWHM / FWTM	21.0° / 38.0°
Efficiency	81 %
Peak intensity	5.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



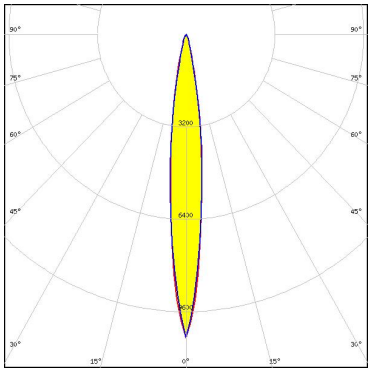
CREE LEDs

LED	XM-L RGBW (XMLDCL HD)
FWHM / FWTM	16.0 + 17.0° / 30.0°
Efficiency	88 %
Peak intensity	8.2 cd/lm
LEDs/each optic	1
Light colour	RGBW
Required components:	



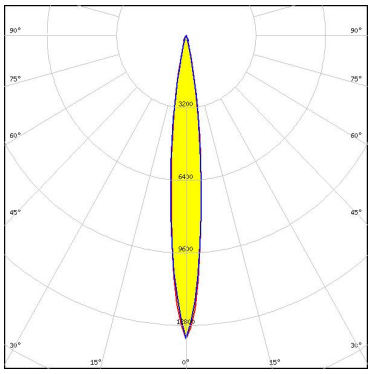
CREE LEDs

LED	XM-L RGBW (XMLDCL HI)
FWHM / FWTM	12.0° / 28.0°
Efficiency	88 %
Peak intensity	10.5 cd/lm
LEDs/each optic	1
Light colour	RGBW
Required components:	



CREE LEDs

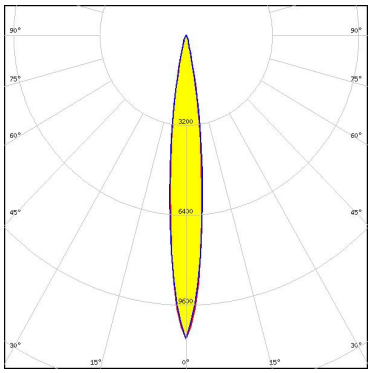
LED	XP-G2
FWHM / FWTM	12.0° / 24.0°
Efficiency	88 %
Peak intensity	13.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

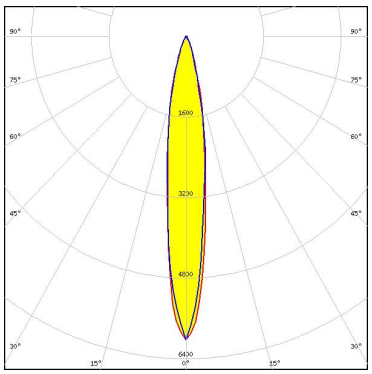
CREE LEDs

LED	XP-G3
FWHM / FWTM	12.0° / 26.0°
Efficiency	83 %
Peak intensity	10.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LEDs

LED	XQ-E HI
FWHM / FWTM	15.0° / 37.0°
Efficiency	83 %
Peak intensity	6 cd/lm
LEDs/each optic	4
Light colour	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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