RGBX-SS

~20° smooth spot beam optimized for CREE MC-E. Assembly with colour mixing sublens and holder.



SPECIFICATION:

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

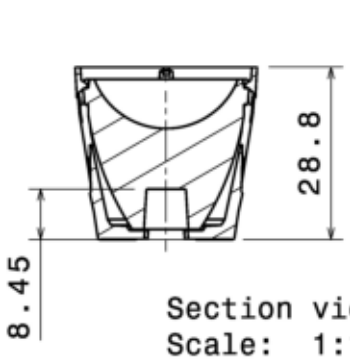
MATERIALS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP10961_RGBX-SS » Box size: 480 x 280 x 300 mm	Single lens	486		54	7.5

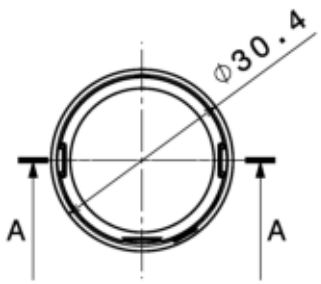
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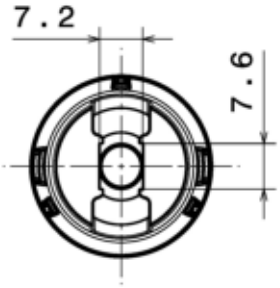
Section view A-A
Scale: 1:1



Isometric view
Scale: 1:1



Front view
Scale: 1:1



Rear view
Scale: 1:1

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C10548	RGBX-MC-HLD	PC	black
2	C10542	RGBX-SS	PMMA	

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
CP10961_RGBX-SS

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SIZE A4

PART NUMBER
CP10961

SCALE 1:1 WEIGHT 11,6 g SHEET 1/1

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

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OPTICAL RESULTS (MEASURED):

CREE LEDs

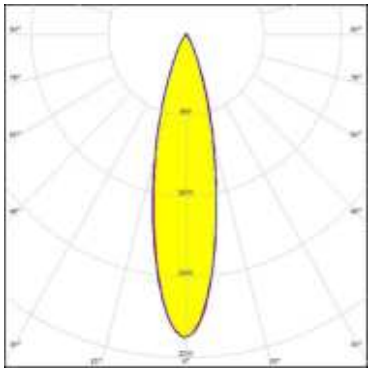
LED	MC-E RGB
FWHM / FWTM	20.0°
Efficiency	85 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour/type	RGBW
Required components:	

Light distribution files

CREE LEDs

LED	XM-L
FWHM / FWTM	25.0° / 50.0°
Efficiency	79 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour/type	RGBW
Required components:	





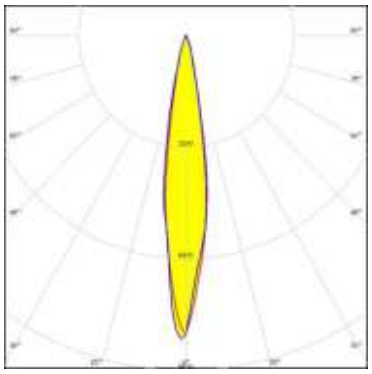
Light distribution files

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OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	OSLON Pure 1414
FWHM / FWTM	16.0 + 17.0° / 31.0°
Efficiency	91 %
Peak intensity	9 cd/lm
LEDs/each optic	4
Light colour/type	RGBW
Required components:	



Light distribution files

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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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