

## RGBX2-O

~50°+ 24° oval 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 ⓘ

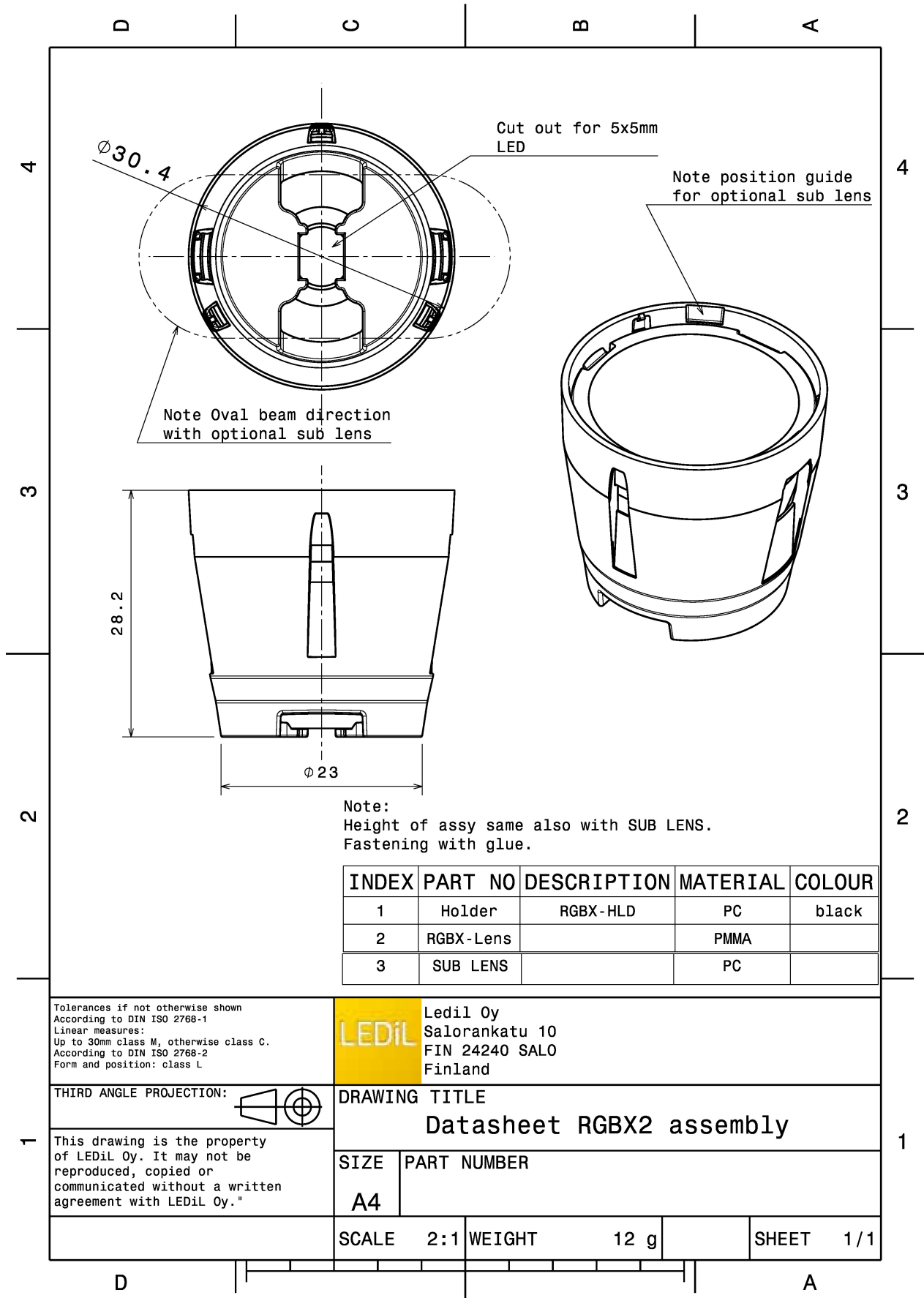


### MATERIALS:

Component	Type	Material	Colour	Finish	Length
RGBX2-S	Single lens	PMMA	clear		28.0
RGBX-HLD	Holder	PC	black		30.4
RGBX-O-SUB	Sublens	PC	clear		28.2

### 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

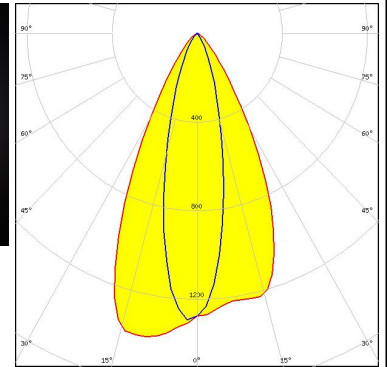
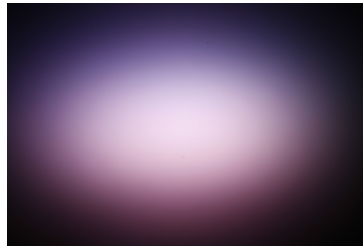


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### 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:

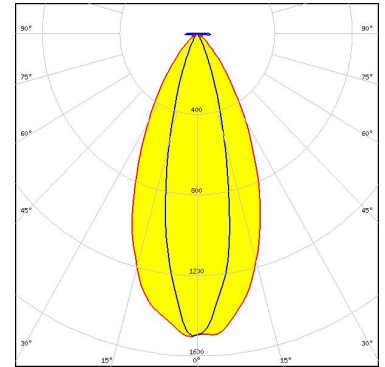


Light distribution files

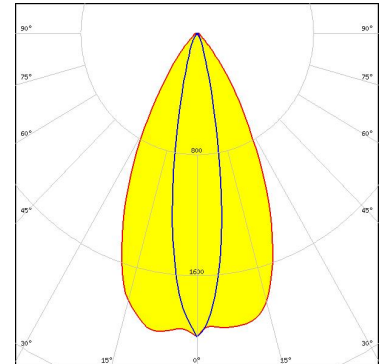
### OPTICAL RESULTS (SIMULATED):



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:



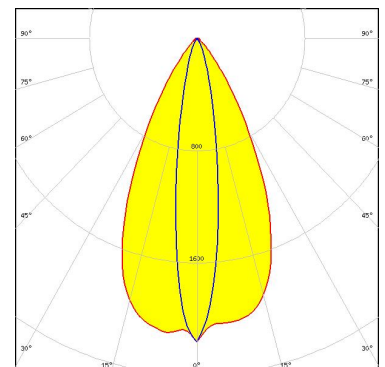
LED XM-L RGBW (XMLDCL HD)  
FWHM / FWTM 52.0 + 19.0° / 82.0 + 37.0°  
Efficiency 75 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour/type RGBW  
Required components:



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:

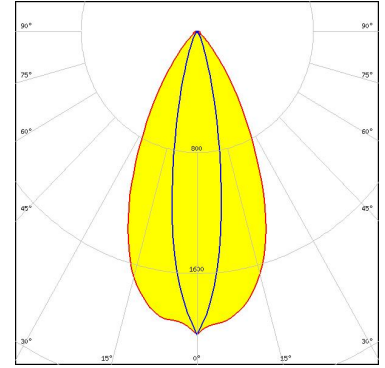


Light distribution files

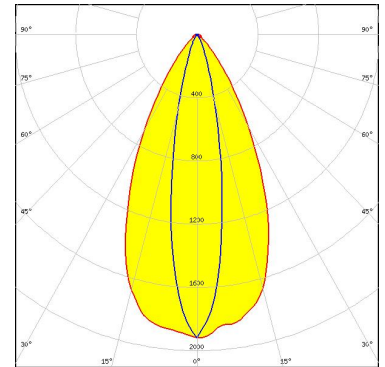
#### OPTICAL RESULTS (SIMULATED):



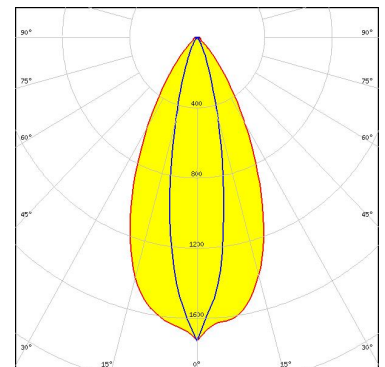
LED XP-E2  
 FWHM / FWTM 50.0 + 20.0° / 82.0 + 40.0°  
 Efficiency 75 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



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:



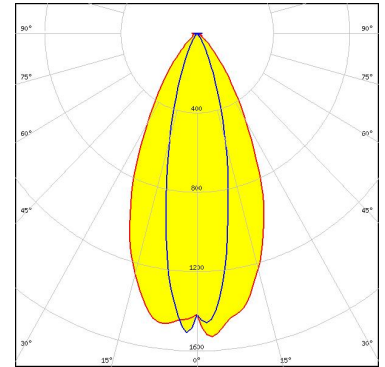
LED XP-G3  
 FWHM / FWTM 50.0 + 22.0° / 84.0 + 44.0°  
 Efficiency 70 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



### OPTICAL RESULTS (SIMULATED):



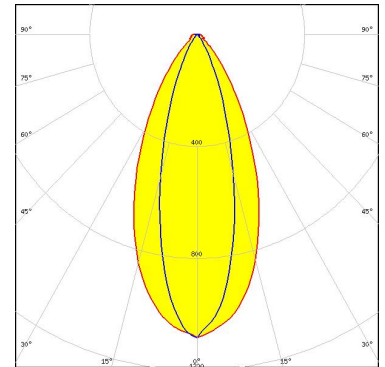
LED XQ-E HI  
FWHM / FWTM 50.0 + 24.0° / 86.0 + 51.0°  
Efficiency 70 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 4  
Light colour/type RGBW  
Required components:



Light distribution files



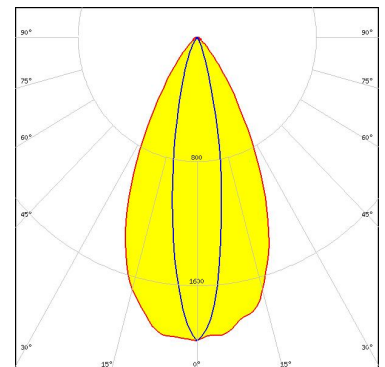
LED LUXEON C  
FWHM / FWTM 49.0 + 30.0° / 87.0 + 58.0°  
Efficiency 57 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 4  
Light colour/type RGBW  
Required components:



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:



### 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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