

RGBX-SS

~20° smooth spot beam optimized for Osram Ostar-SMT RGB. Assembly with holder.

SPECIFICATION:

| | |
|----------------|-----------|
| Dimensions | Ø 30.0 mm |
| Height | 28 mm |
| Fastening | glue |
| ROHS compliant | yes ⓘ |

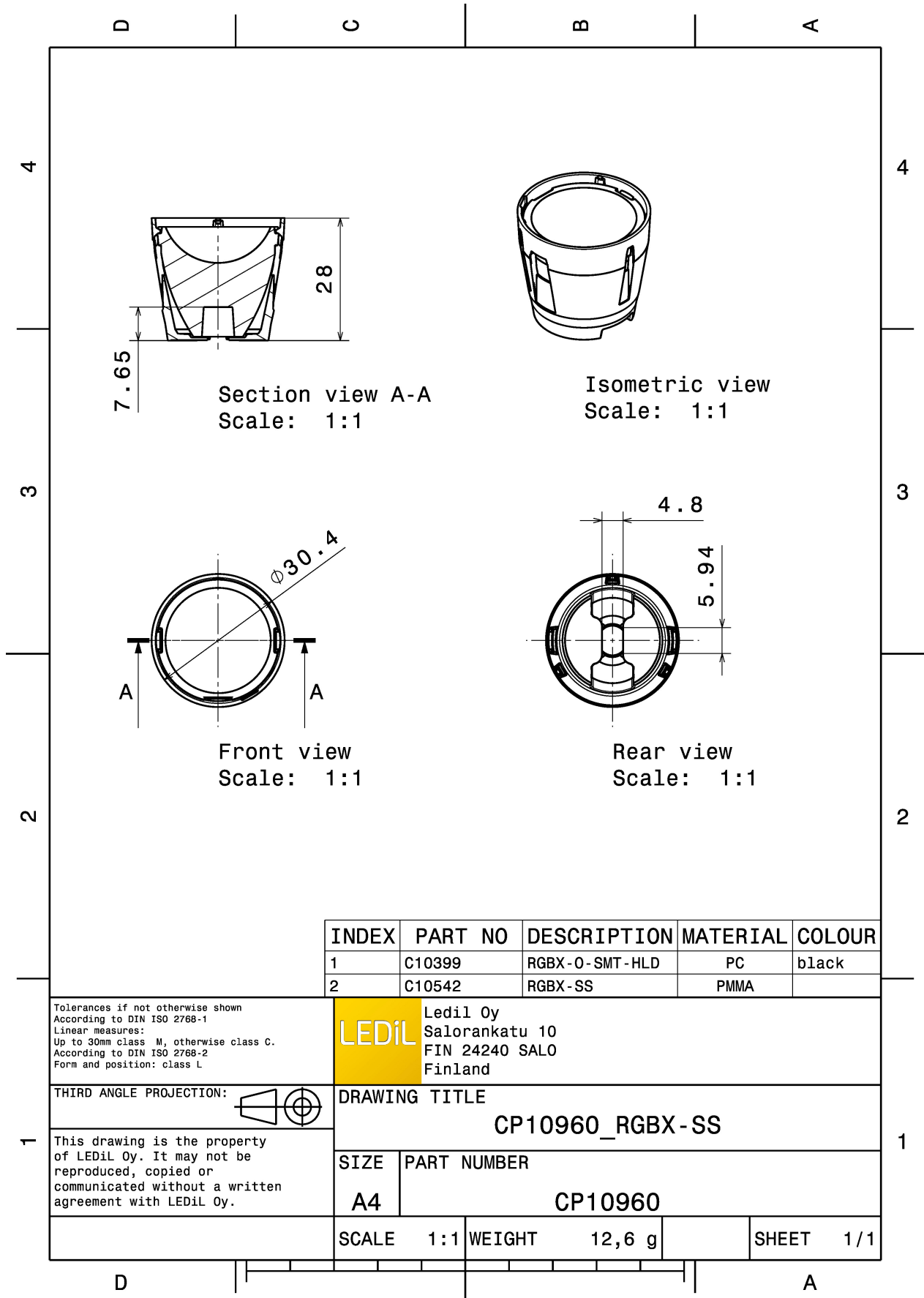


MATERIALS:

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

ORDERING INFORMATION:

| Component | | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|-------------|------------|-----|-----|-----------------|
| CP10960_RGBX-SS | Single lens | 486 | | 54 | 7.5 |
| » Box size: 480 x 280 x 300 mm | | | | | |



| INDEX | PART NO | DESCRIPTION | MATERIAL | COLOUR |
|-------|---------|----------------|----------|--------|
| 1 | C10399 | RGBX-O-SMT-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
CP10960_RGBX-SS

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| SIZE | PART NUMBER |
|------|-------------|
| A4 | CP10960 |

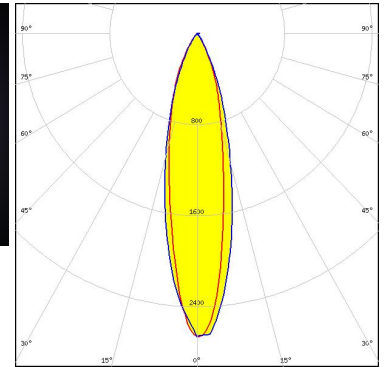
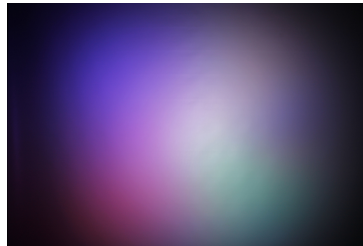
| SCALE | 1:1 | WEIGHT | 12,6 g | SHEET | 1/1 |
|-------|-----|--------|--------|-------|-----|
|-------|-----|--------|--------|-------|-----|

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

OPTICAL RESULTS (MEASURED):

LUMILEDS

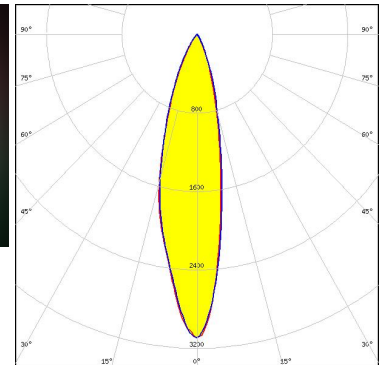
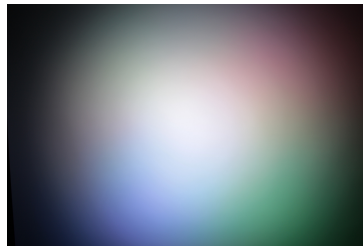
LED LUXEON C
 FWHM / FWTM 22.0° / 56.0°
 Efficiency 76 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:



Light distribution files

LUMILEDS

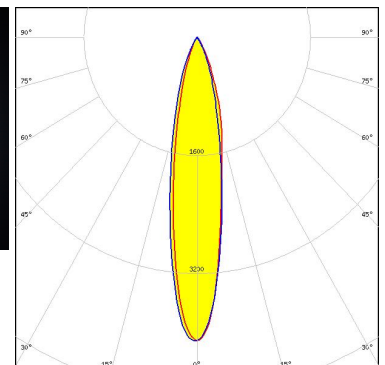
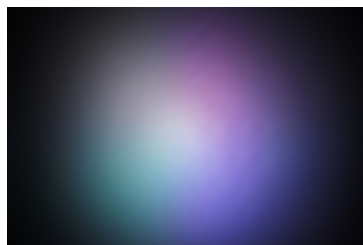
LED LUXEON CZ
 FWHM / FWTM 24.0° / 52.0°
 Efficiency 80 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:



Light distribution files

LUMINUS

LED SBM-40-RGBW
 FWHM / FWTM 19.0° / 46.0°
 Efficiency 83 %
 Peak intensity 4.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

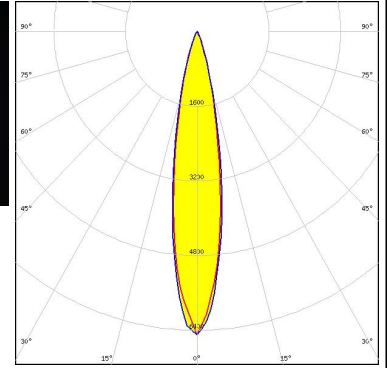


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED Ostar-SMT RGB
FWHM / FWTM 18.0° / 45.0°
Efficiency 85 %
Peak intensity 4.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

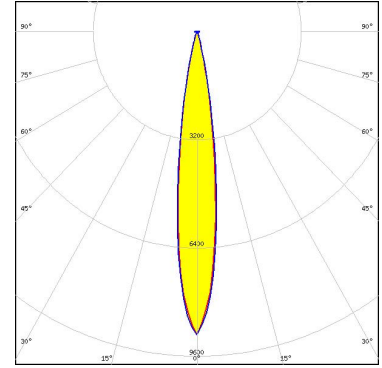


Light distribution files

OPTICAL RESULTS (SIMULATED):



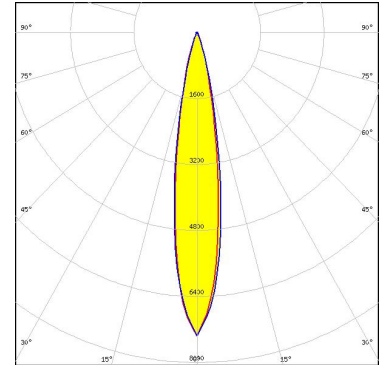
LED XB-D
 FWHM / FWTM 15.0° / 28.0°
 Efficiency 80 %
 Peak intensity 9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



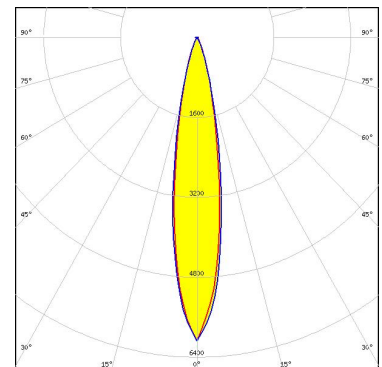
LED XP-G2
 FWHM / FWTM 17.0° / 35.0°
 Efficiency 91 %
 Peak intensity 7.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-G3
 FWHM / FWTM 18.0° / 38.0°
 Efficiency 88 %
 Peak intensity 6.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

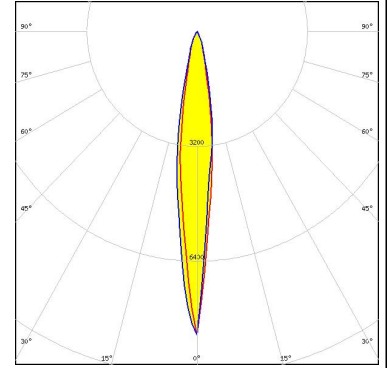


Light distribution files

OPTICAL RESULTS (SIMULATED):



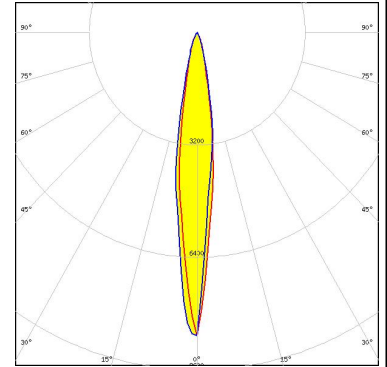
LED LUXEON Rubix
FWHM / FWTM 12.0 + 13.0° / 31.0 + 33.0°
Efficiency 90 %
Peak intensity 8.5 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:



Light distribution files



LED OSOLON Pure 1414
FWHM / FWTM 13.0° / 31.0 + 33.0°
Efficiency 90 %
Peak intensity 8.6 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:

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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