

GABRIELLA-45-S

~9° spot beam with holder

SPECIFICATION:

Dimensions	Ø 45.0
Height	28.9 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
GABRIELLA-45-S	Single lens	PMMA	clear		
GABRIELLA-45-HLD	Holder	PC	black		

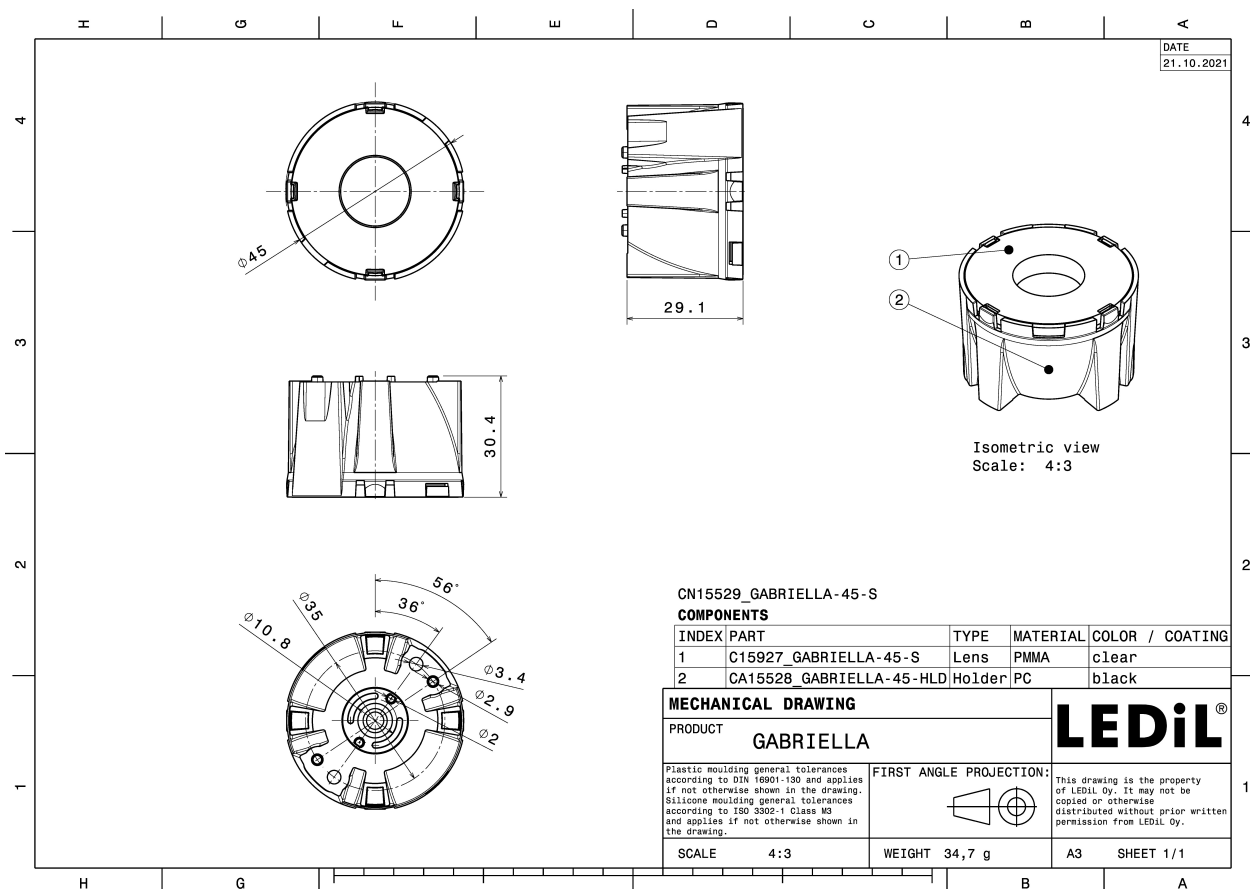


ORDERING INFORMATION:

Quantities for one set:

Single lens	1
Holder	1

Component		Qty in box	MOQ	MPQ	Box weight (kg)
C15927_GABRIELLA-45-S » Box size: 476 x 273 x 292 mm	Single lens	405	90	45	11.5
C15528_GABRIELLA-45-HLD » Box size: 476 x 273 x 292 mm	Holder	405	90	45	5.1

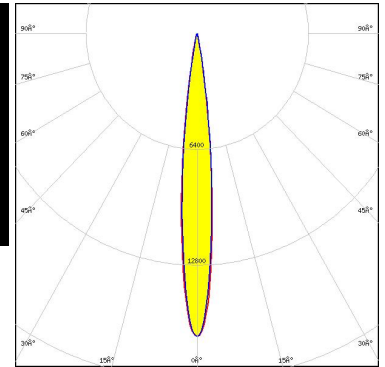


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



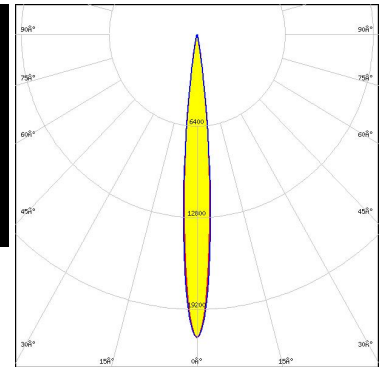
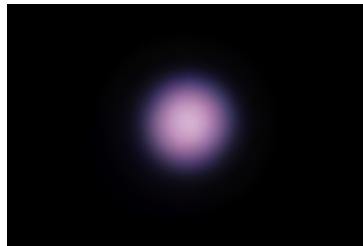
LED XM-L RGBW (XMLCTW)
 FWHM / FWTM 12.0° / 21.0°
 Efficiency 87 %
 Peak intensity 17 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



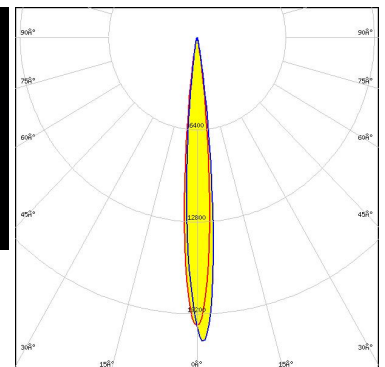
LED XP-L RGBW HD
 FWHM / FWTM 10.0° / 19.0°
 Efficiency 90 %
 Peak intensity 22.2 cd/lm
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



Light distribution files



LED XP-L RGBW HI
 FWHM / FWTM 10.0° / 19.0°
 Efficiency 89 %
 Peak intensity 21.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

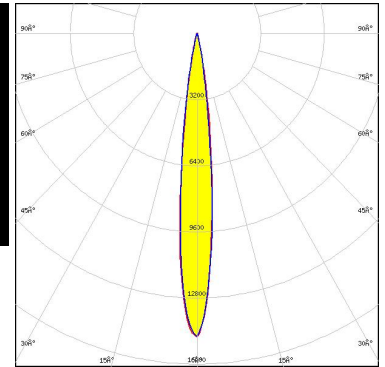
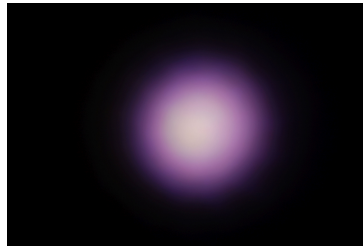


Light distribution files

OPTICAL RESULTS (MEASURED):



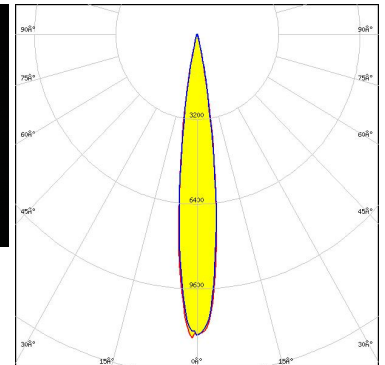
LED LUXEON 5052 RGBW
FWHM / FWTM 12.0° / 23.0°
Efficiency 91 %
Peak intensity 14.8 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files



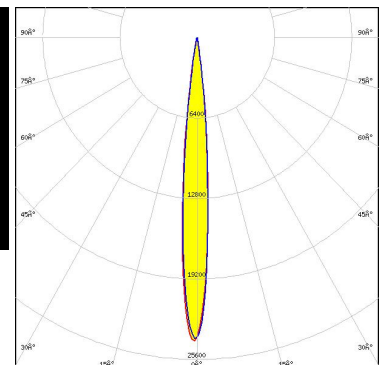
LED LUXEON CZ
FWHM / FWTM 14.0° / 25.0°
Efficiency 88 %
Peak intensity 11.4 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:



Light distribution files



LED SBM-40-RGBW
FWHM / FWTM 10.0° / 18.0°
Efficiency 90 %
Peak intensity 24 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

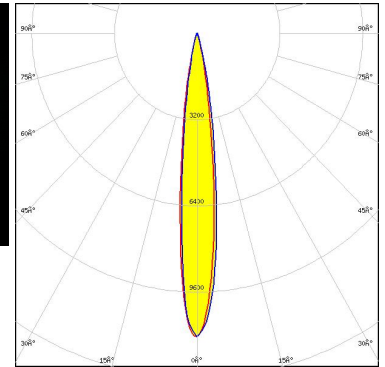
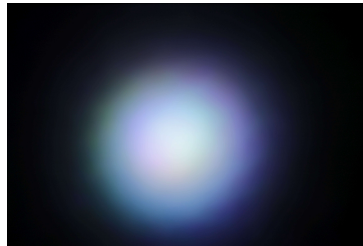


Light distribution files

OPTICAL RESULTS (MEASURED):



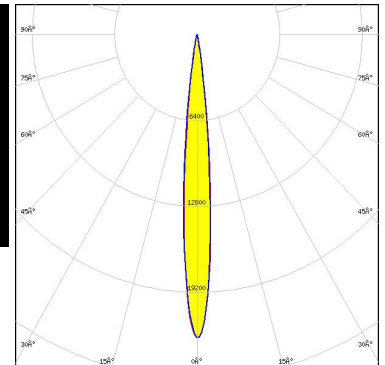
LED NCSxE17A
FWHM / FWTM 13.0° / 27.0°
Efficiency 91 %
Peak intensity 11 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:



Light distribution files



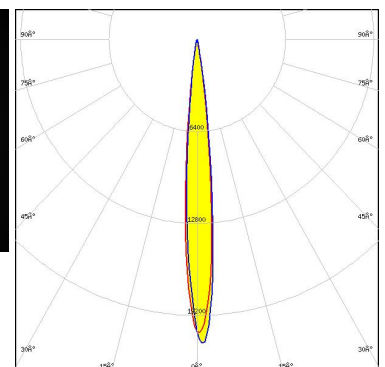
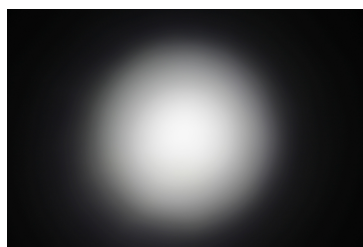
LED NVSW219F
FWHM / FWTM 10.0° / 18.0°
Efficiency 91 %
Peak intensity 22.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED OSLO Square EC
FWHM / FWTM 10.0° / 19.0°
Efficiency 88 %
Peak intensity 21.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

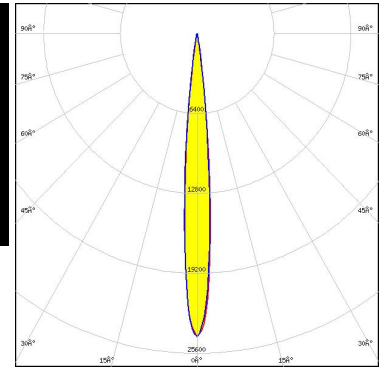


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

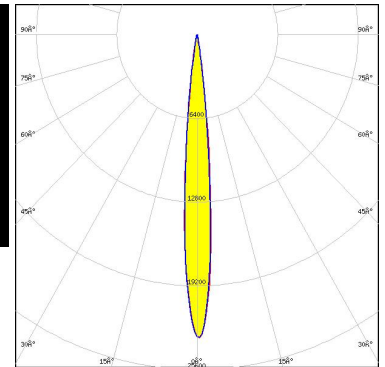
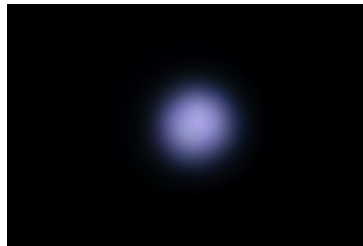
LED OSTAR Stage (S2WN)
FWHM / FWTM 10.0° / 17.0°
Efficiency 87 %
Peak intensity 24 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SEKUL
SEOUL SEMICONDUCTOR

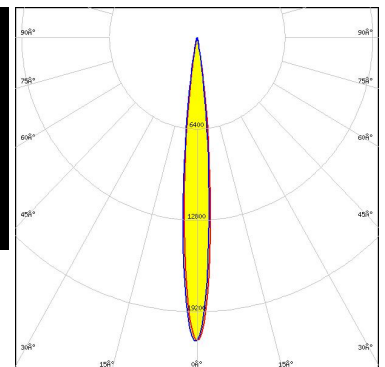
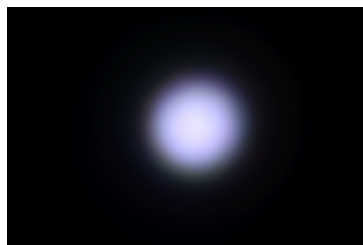
LED SPF05F0A
FWHM / FWTM 10.0° / 18.0°
Efficiency 89 %
Peak intensity 23.4 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files

SEKUL
SEOUL SEMICONDUCTOR

LED SPF05F0B
FWHM / FWTM 10.0° / 19.0°
Efficiency 90 %
Peak intensity 21.3 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:

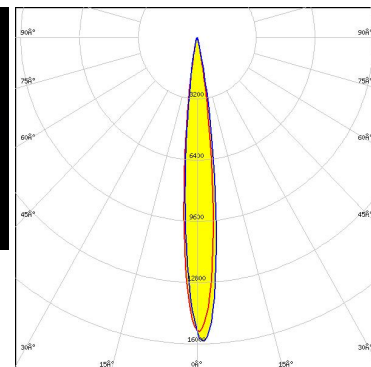
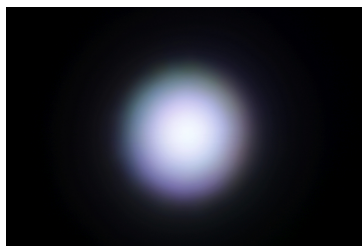


Light distribution files

OPTICAL RESULTS (MEASURED):



LED SPF05F0C
FWHM / FWTM 12.0° / 22.0°
Efficiency 89 %
Peak intensity 15.9 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:

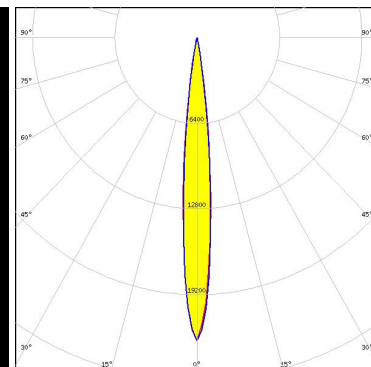
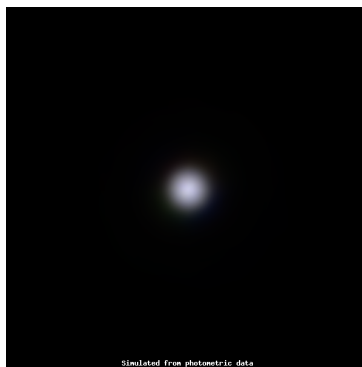


Light distribution files

OPTICAL RESULTS (SIMULATED):



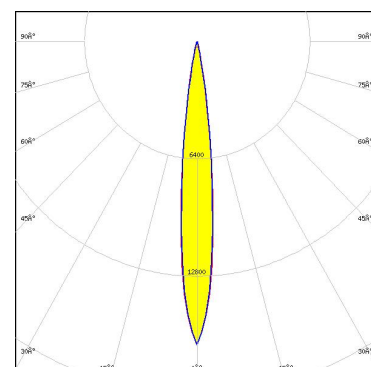
LED SMD 3838 RGBW 3V
FWHM / FWTM 10.0° / 20.0°
Efficiency 94 %
Peak intensity 22.7 cd/Im
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files



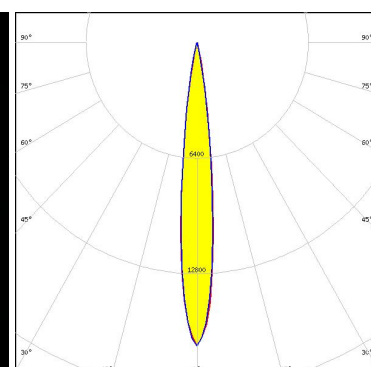
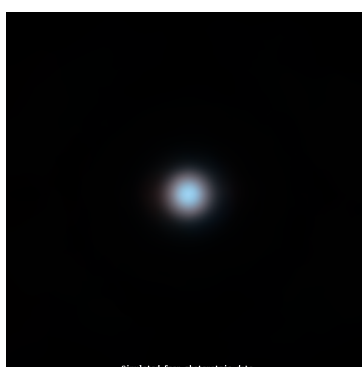
LED CLQ6A-TKW
FWHM / FWTM 12.3° / 23.3°
Efficiency 94 %
Peak intensity 16.6 cd/Im
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files



LED CLQ6A-TKW
FWHM / FWTM 12.0° / 22.0°
Efficiency 94 %
Peak intensity 16.8 cd/Im
LEDs/each optic 1
Light colour/type RGBW
Required components:

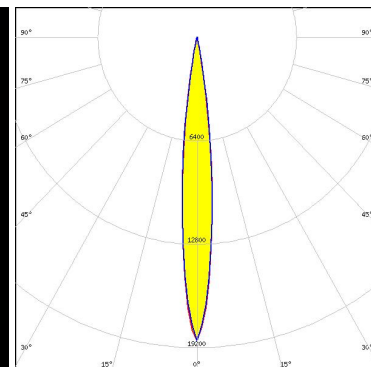
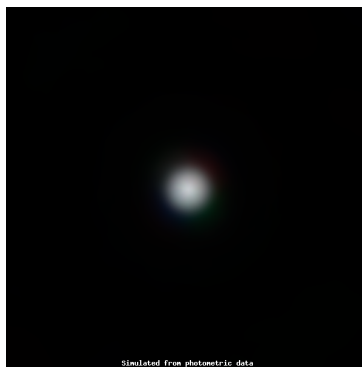


Light distribution files

OPTICAL RESULTS (SIMULATED):



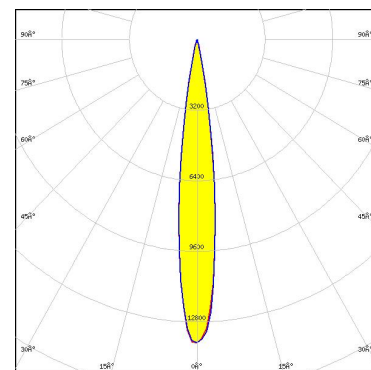
LED XE-G
FWHM / FWTM 12.0° / 22.0°
Efficiency 93 %
Peak intensity 18.8 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:



Light distribution files



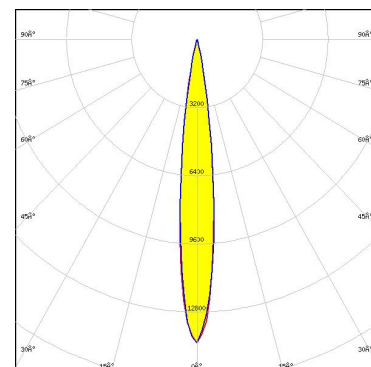
LED XHP50
FWHM / FWTM 14.0° / 24.0°
Efficiency 92 %
Peak intensity 13.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XHP50.2
FWHM / FWTM 13.0° / 25.0°
Efficiency 91 %
Peak intensity 14.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

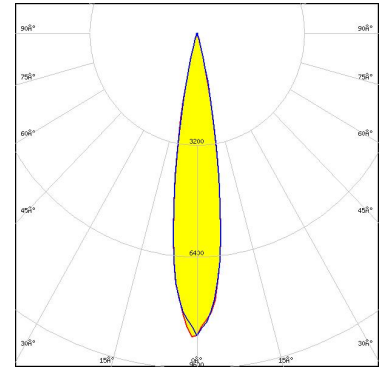


Light distribution files

OPTICAL RESULTS (SIMULATED):



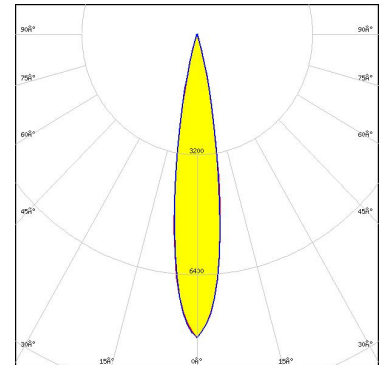
LED XHP70
FWHM / FWTM 18.0° / 29.0°
Efficiency 90 %
Peak intensity 8.9 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



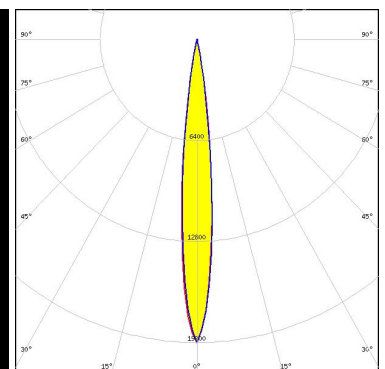
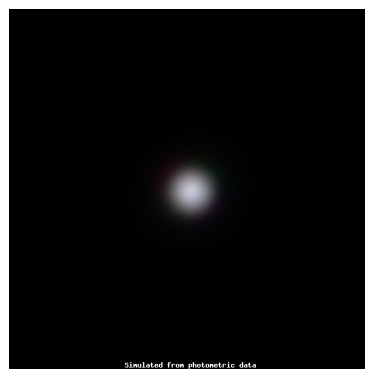
LED XHP70.2
FWHM / FWTM 17.0° / 30.0°
Efficiency 89 %
Peak intensity 8.1 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XM-L RGBW (XMLCTW)
FWHM / FWTM 12.0° / 22.0°
Efficiency 94 %
Peak intensity 19.2 cd/Im
LEDs/each optic 1
Light colour/type RGBW
Required components:

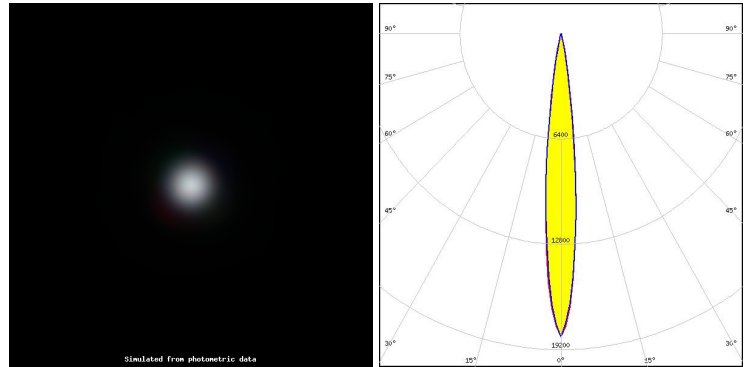


Light distribution files

OPTICAL RESULTS (SIMULATED):



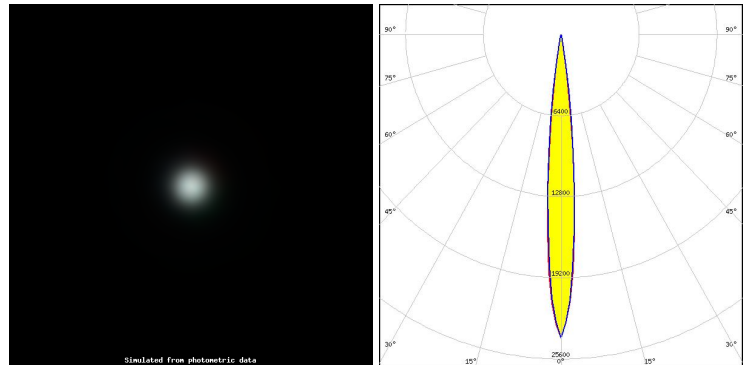
LED XM-L RGBW (XMLDCL HD)
 FWHM / FWTM 12.0° / 22.0°
 Efficiency 94 %
 Peak intensity 18.4 cd/lm
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



Light distribution files



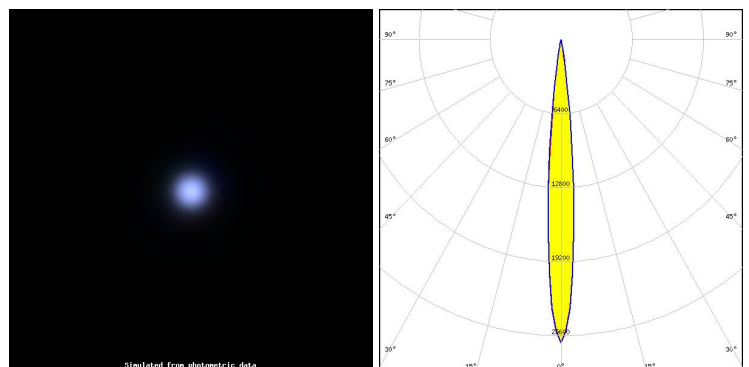
LED XM-L RGBW (XMLDCL HI)
 FWHM / FWTM 10.0° / 18.0°
 Efficiency 94 %
 Peak intensity 23.9 cd/lm
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



Light distribution files



LED XNPA
 FWHM / FWTM 10.0° / 18.0°
 Efficiency 93 %
 Peak intensity 26.2 cd/lm
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:

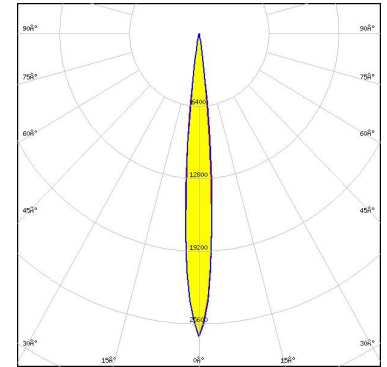


Light distribution files

OPTICAL RESULTS (SIMULATED):



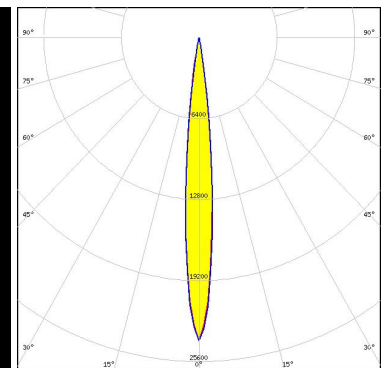
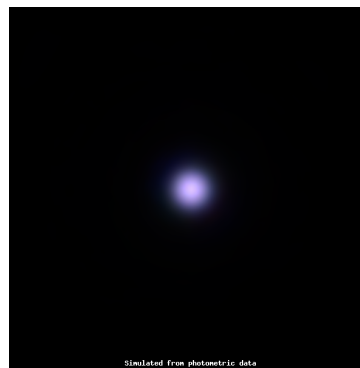
LED XP-E2
FWHM / FWTM 10.0° / 18.0°
Efficiency 93 %
Peak intensity 26.7 cd/lm
LEDs/each optic 1
Light colour/type Amber
Required components:



Light distribution files



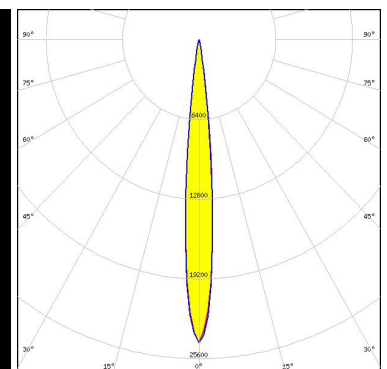
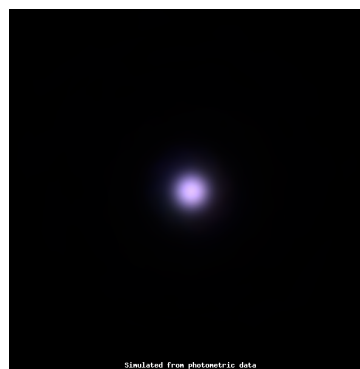
LED XP-L RGBW HD
FWHM / FWTM 10.0° / 20.0 + 19.0°
Efficiency 93 %
Peak intensity 24 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files



LED XP-L RGBW HI
FWHM / FWTM 10.0° / 18.0°
Efficiency 93 %
Peak intensity 24.3 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:

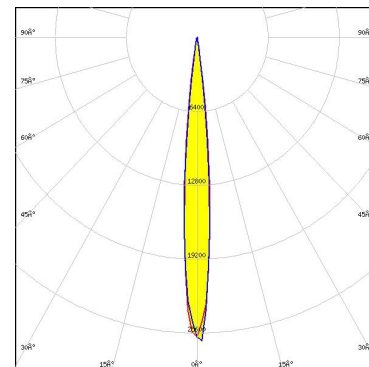


Light distribution files

OPTICAL RESULTS (SIMULATED):



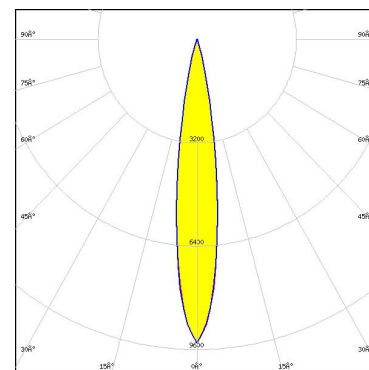
LED LZ4-04MDPB
FWHM / FWTM 10.0° / 18.0°
Efficiency 92 %
Peak intensity 28.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



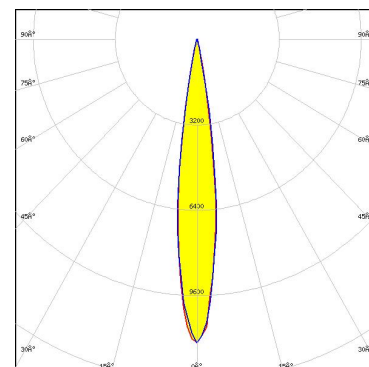
LED LUXEON 7070
FWHM / FWTM 16.0° / 30.0°
Efficiency 92 %
Peak intensity 9.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON C
FWHM / FWTM 14.0° / 24.0°
Efficiency 85 %
Peak intensity 11.5 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:

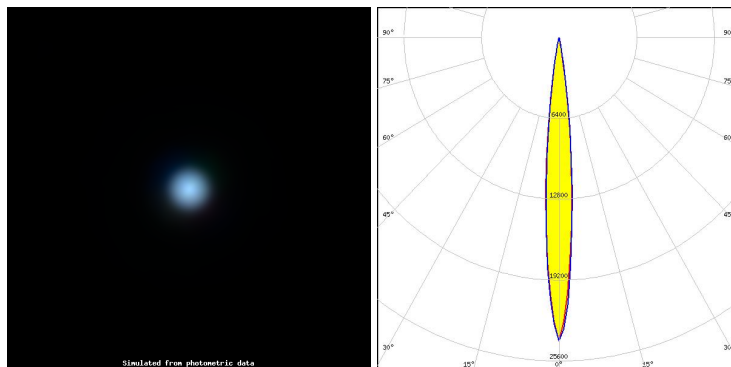


Light distribution files

OPTICAL RESULTS (SIMULATED):



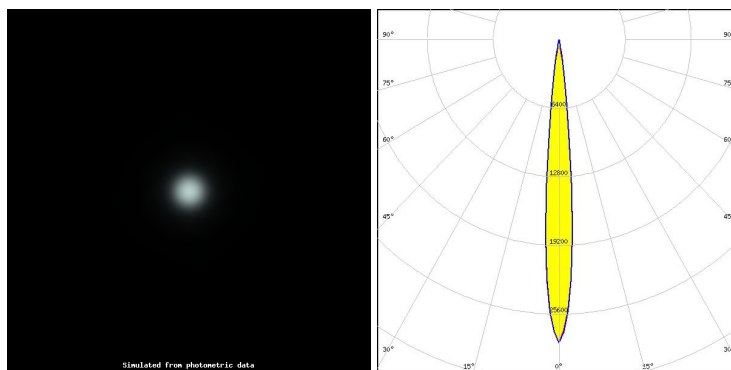
LED LUXEON Rubix
FWHM / FWTM 10.0° / 20.0°
Efficiency 94 %
Peak intensity 24 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:



Light distribution files



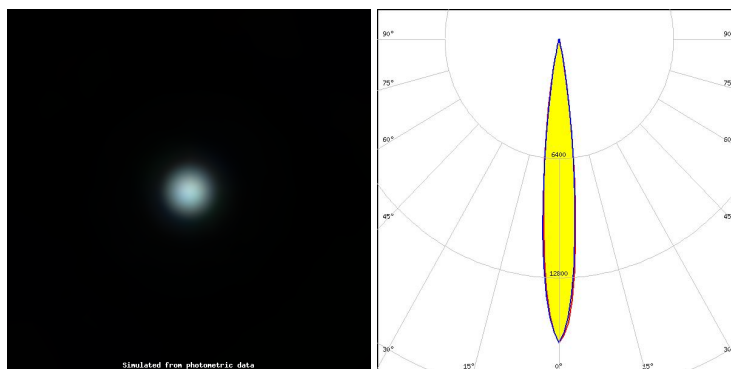
LED SFT-40 Gen2
FWHM / FWTM 10.0° / 18.0°
Efficiency 94 %
Peak intensity 28.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NCSxE17A
FWHM / FWTM 12.0° / 22.0°
Efficiency 92 %
Peak intensity 16.3 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:

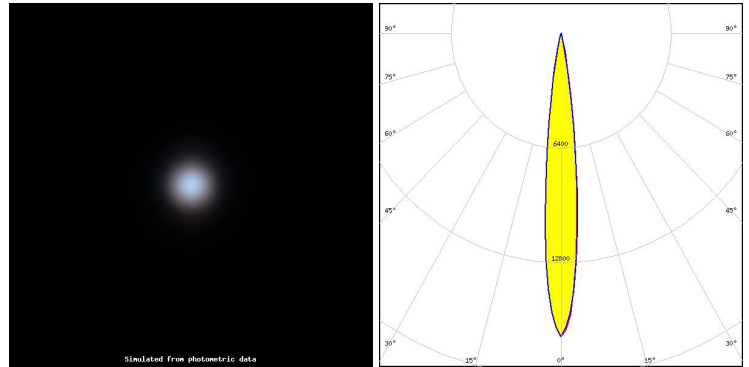


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

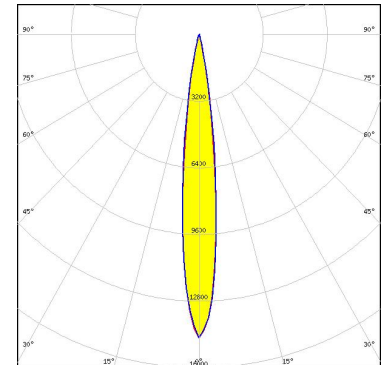
LED DURIS E 5050 (GW J9LHS1.4M)
FWHM / FWTM 12.0° / 22.0°
Efficiency 94 %
Peak intensity 17 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files

OSRAM
Opto Semiconductors

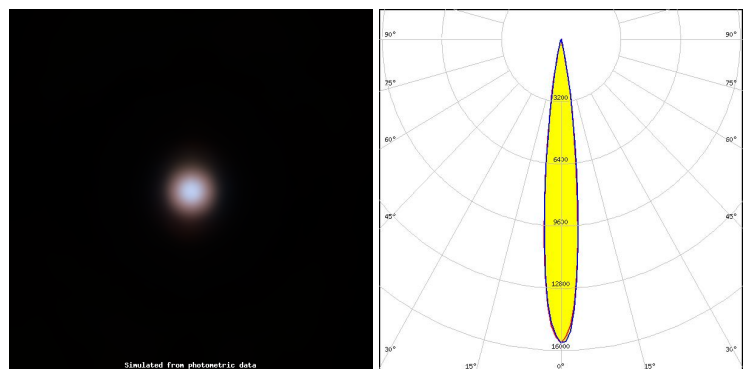
LED DURIS E 5050 (GW J9LHS1.4M)
FWHM / FWTM 13.0 + 14.0° / 24.0°
Efficiency 93 %
Peak intensity 14.8 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED DURIS E 5050 (GW J9LHS2.4M)
FWHM / FWTM 12.0 + 13.0° / 22.0 + 24.0°
Efficiency 93 %
Peak intensity 15.6 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:

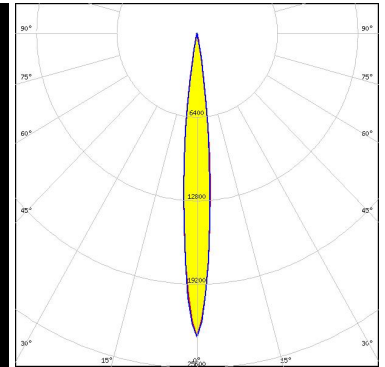


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

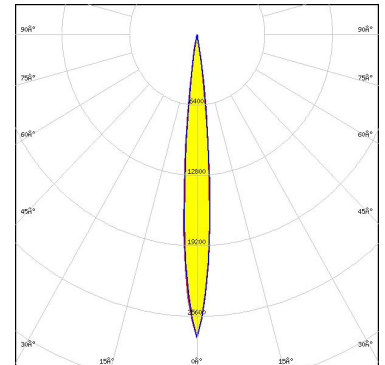
LED OSLON Pure 1414
FWHM / FWTM 10.0° / 20.0°
Efficiency 93 %
Peak intensity 23.2 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:



Light distribution files

OSRAM
Opto Semiconductors

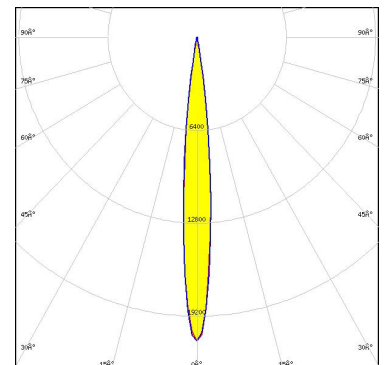
LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 10.0° / 18.0°
Efficiency 93 %
Peak intensity 27.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSTAR Stage (S2WP)
FWHM / FWTM 11.0° / 19.0°
Efficiency 92 %
Peak intensity 22.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

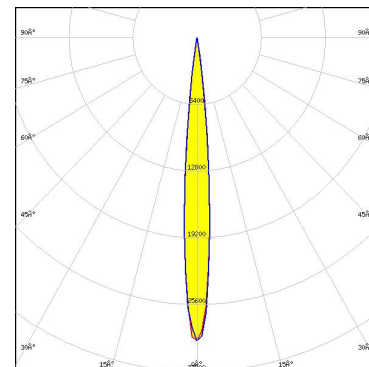


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

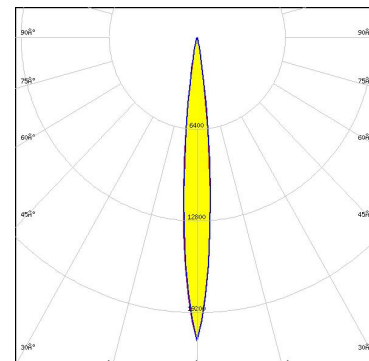
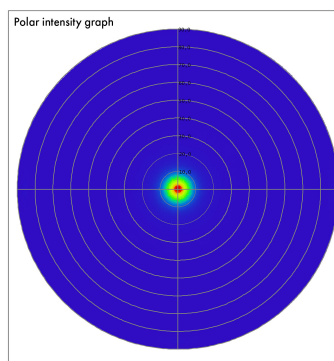
LED Ostar-SMT RGB
FWHM / FWTM 10.0° / 17.0°
Efficiency 92 %
Peak intensity 31.6 cd/m
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED SFH 4717AS
FWHM / FWTM 10.0° / 20.0°
Efficiency 93 %
LEDs/each optic 1
Light colour/type IR
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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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