

GABRIELLA-45-W

~35° wide beam with holder

SPECIFICATION:

Dimensions	Ø 45.0
Height	28.8 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

MATERIALS:

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

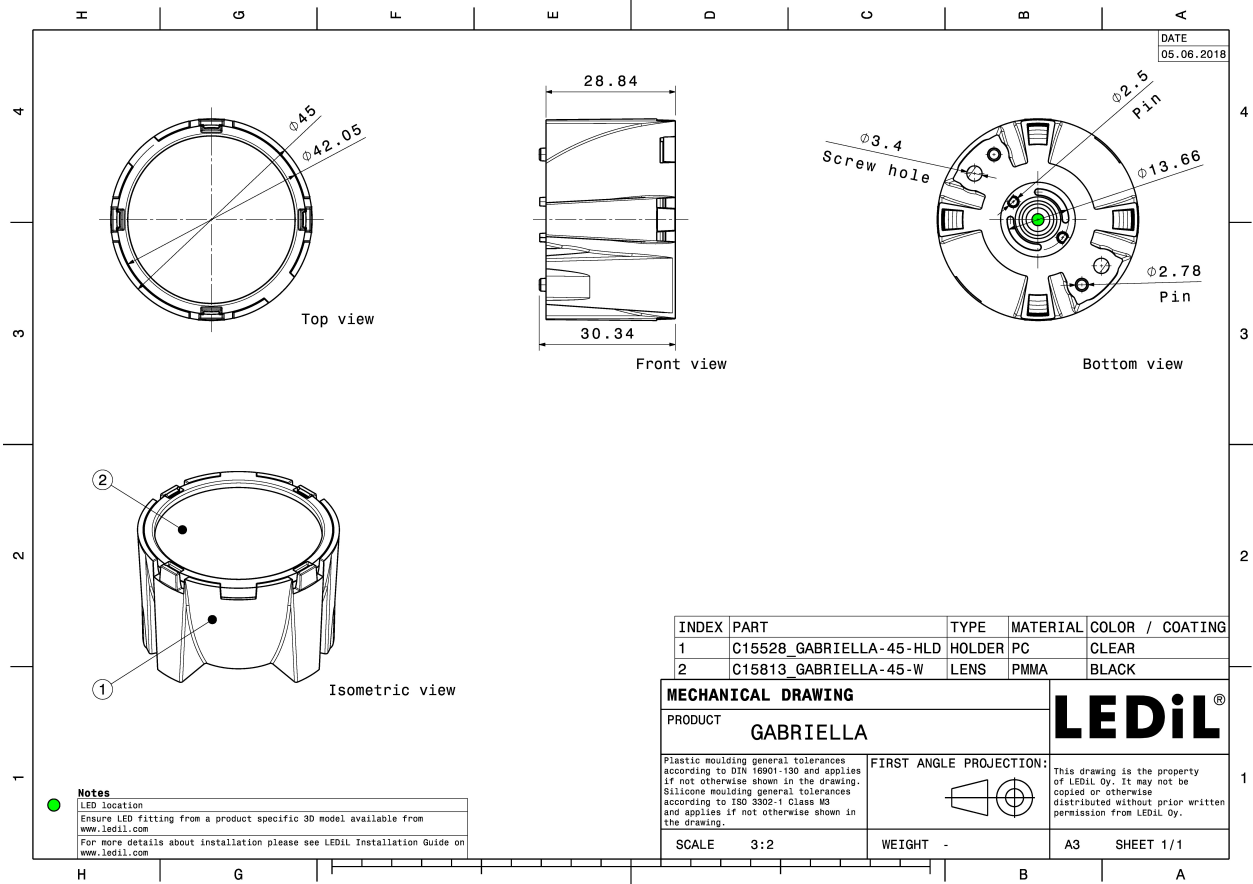


ORDERING INFORMATION:

Quantities for one set:

Single lens	1
Holder	1

Component		Qty in box	MOQ	MPQ	Box weight (kg)
C15813_GABRIELLA-45-W	Single lens	405	90	45	8.6
» Box size: 476 x 273 x 292 mm					
C15528_GABRIELLA-45-HLD	Holder	405	90	45	5.1
» Box size: 476 x 273 x 292 mm					

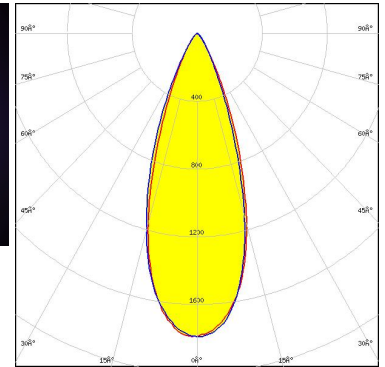
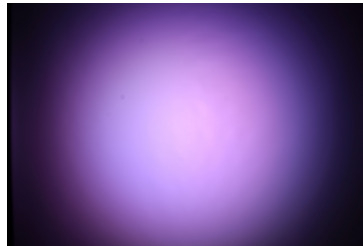


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



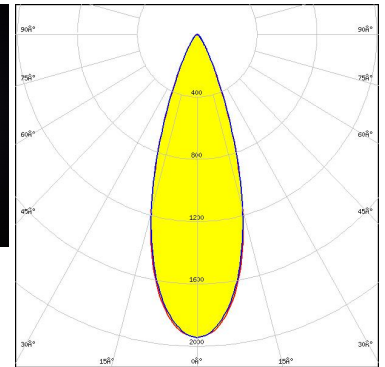
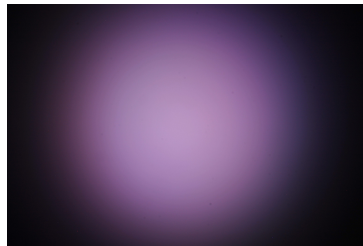
LED XM-L RGBW (XMLCTW)
FWHM / FWTM 37.0° / 62.0°
Efficiency 79 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



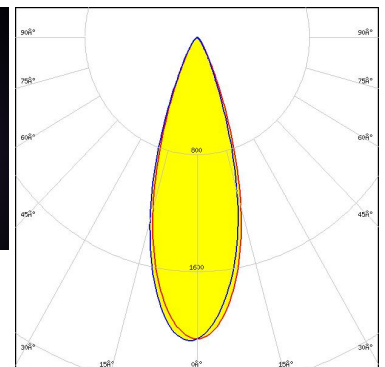
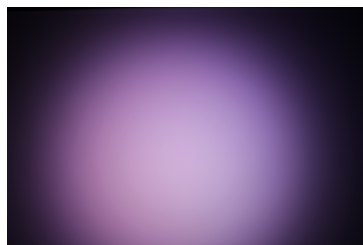
LED XP-L RGBW HD
FWHM / FWTM 35.0° / 59.0°
Efficiency 79 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files



LED XP-L RGBW HI
FWHM / FWTM 33.0° / 57.0°
Efficiency 78 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

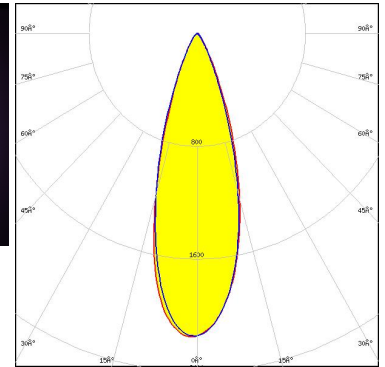
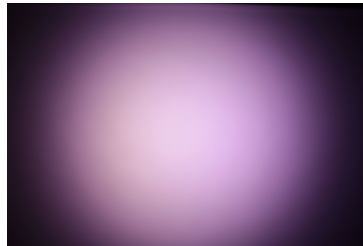


Light distribution files

OPTICAL RESULTS (MEASURED):



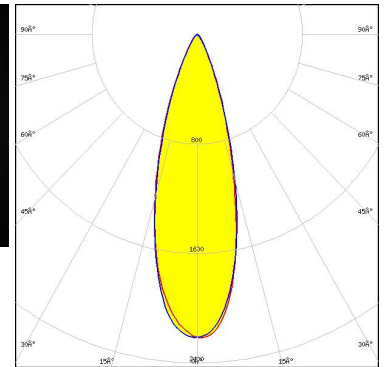
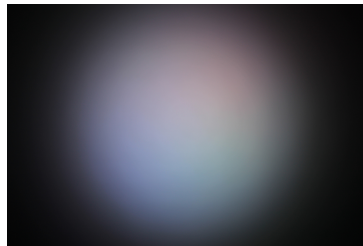
LED LUXEON 5052 RGBW
FWHM / FWTM 32.0° / 57.0°
Efficiency 79 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files



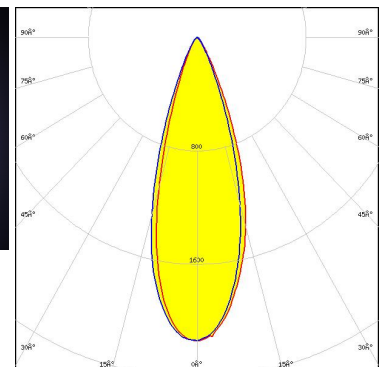
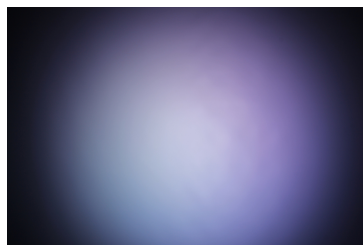
LED LUXEON CZ
FWHM / FWTM 31.0° / 56.0°
Efficiency 78 %
Peak intensity 2.2 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:



Light distribution files



LED SBM-40-RGBW
FWHM / FWTM 33.0° / 56.0°
Efficiency 80 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

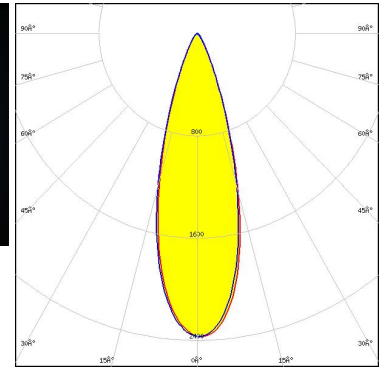
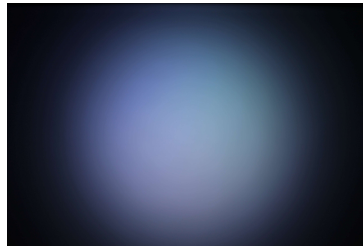


Light distribution files

OPTICAL RESULTS (MEASURED):



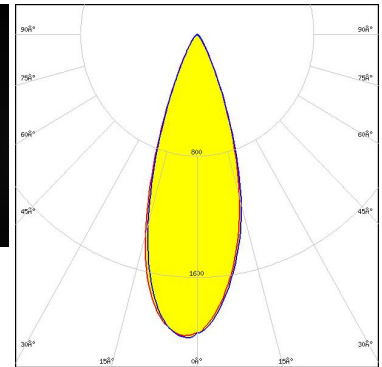
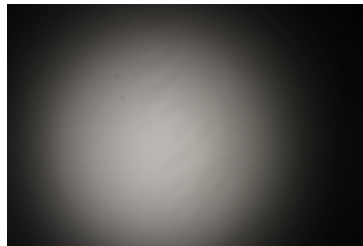
LED NCSxE17A
 FWHM / FWTM 31.0° / 54.0°
 Efficiency 81 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:



Light distribution files



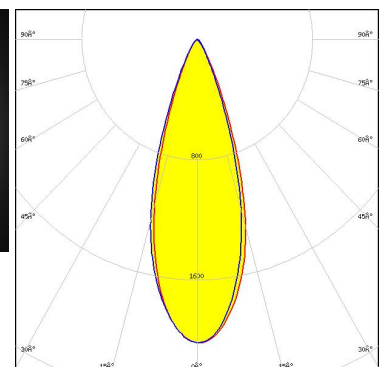
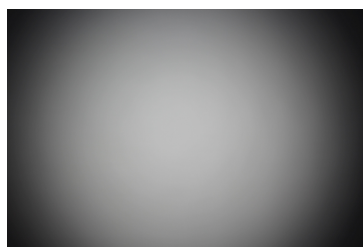
LED NVSW219F
 FWHM / FWTM 35.0° / 59.0°
 Efficiency 80 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED OSLOM Square EC
 FWHM / FWTM 34.0° / 57.0°
 Efficiency 78 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

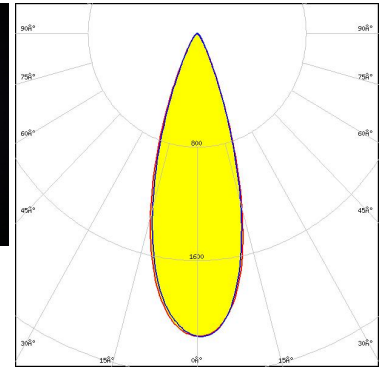
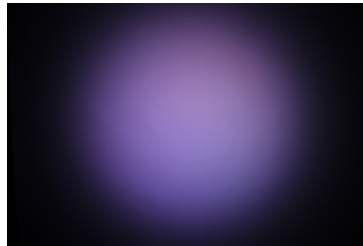


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

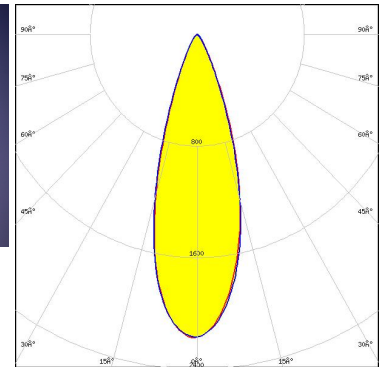
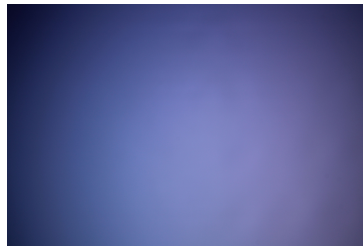
LED Ostar-SMT RGB
 FWHM / FWTM 34.0° / 56.0°
 Efficiency 81 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

SEOL
SEOUL SEMICONDUCTOR

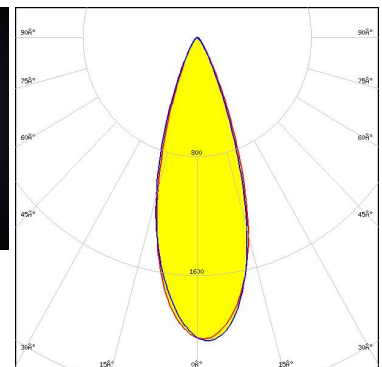
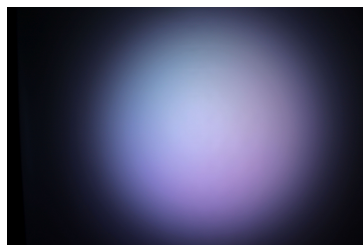
LED SPF05FOA
 FWHM / FWTM 33.0° / 56.0°
 Efficiency 78 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



Light distribution files

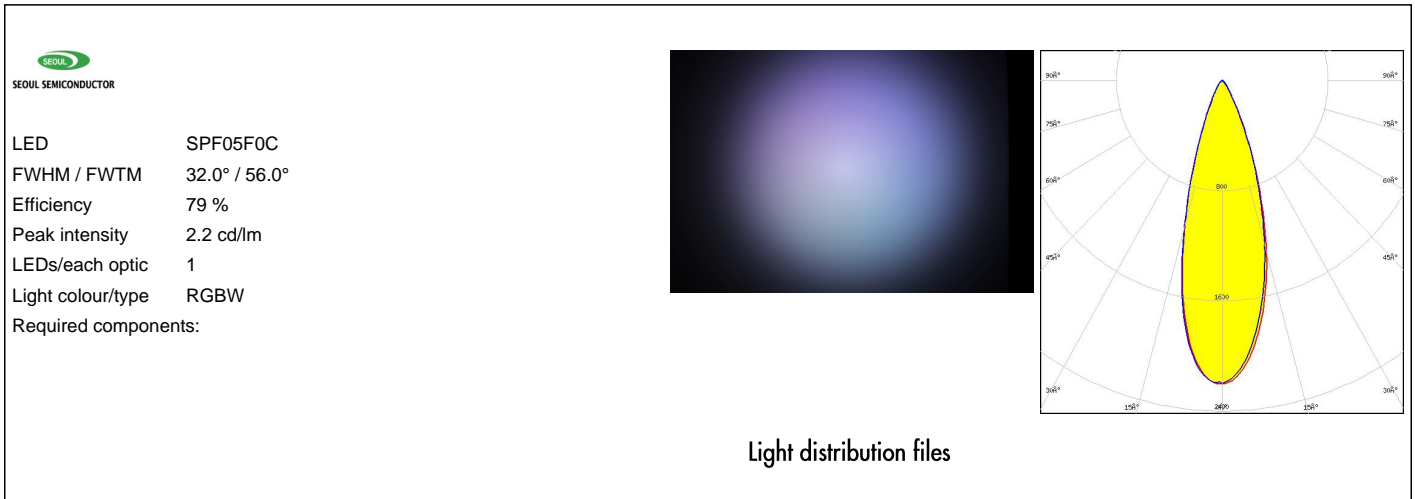
SEOL
SEOUL SEMICONDUCTOR

LED SPF05FOB
 FWHM / FWTM 34.0° / 58.0°
 Efficiency 80 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



Light distribution files

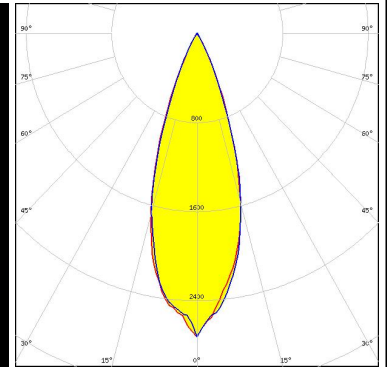
OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (SIMULATED):



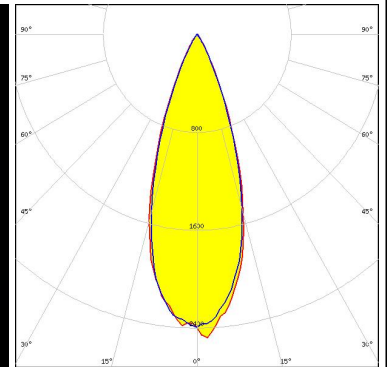
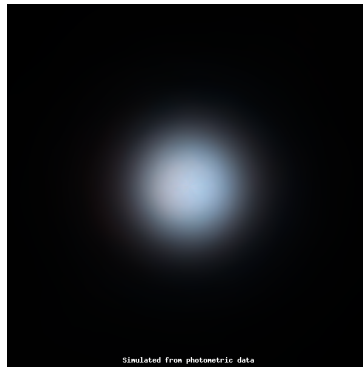
LED SMD 3838 RGBW 3V
 FWHM / FWTM 34.0° / 54.0°
 Efficiency 91 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



Light distribution files



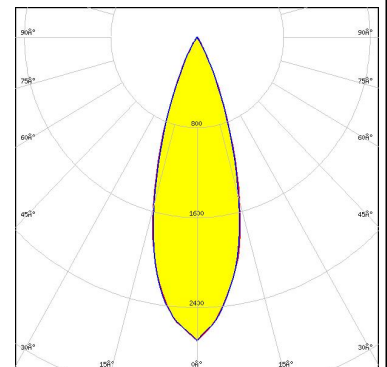
LED CLQ6A-TKW
 FWHM / FWTM 36.0 + 35.0° / 57.0 + 56.0°
 Efficiency 90 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



Light distribution files



LED J Series 5050 Round LES
 FWHM / FWTM 33.0° / 54.0°
 Efficiency 90 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

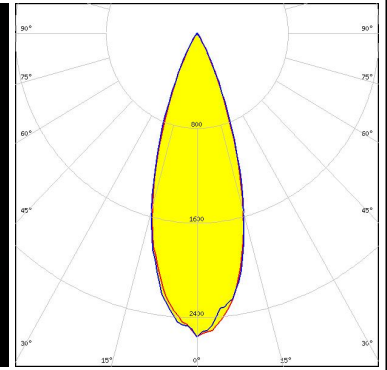
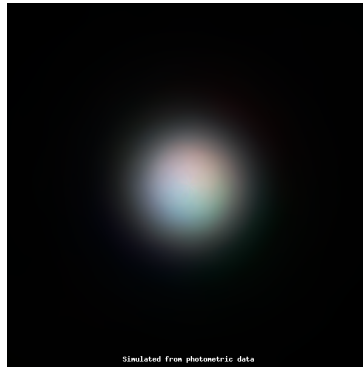


Light distribution files

OPTICAL RESULTS (SIMULATED):



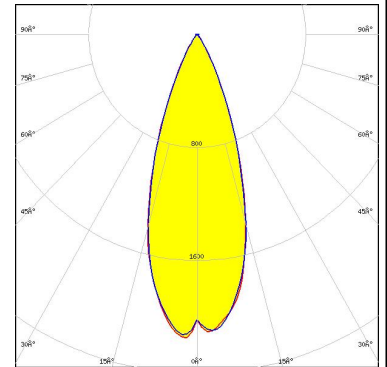
LED XE-G
 FWHM / FWTM 34.0 + 35.0° / 56.0°
 Efficiency 90 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:



Light distribution files



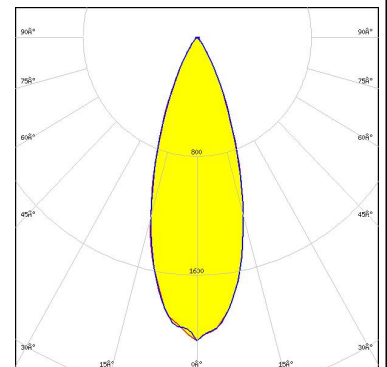
LED XHP50.2
 FWHM / FWTM 36.0° / 60.0°
 Efficiency 87 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XHP70.2
 FWHM / FWTM 35.0° / 62.0°
 Efficiency 85 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

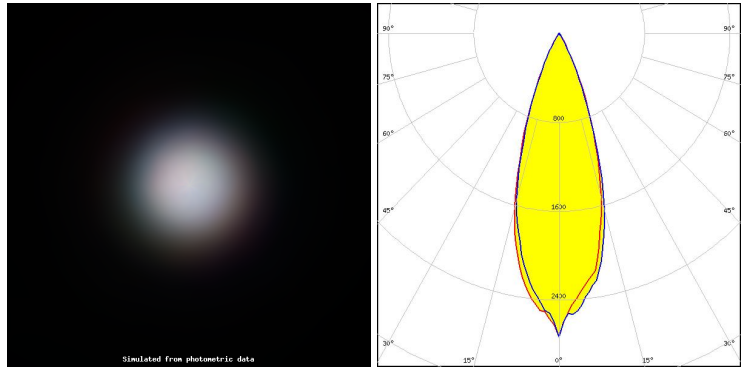


Light distribution files

OPTICAL RESULTS (SIMULATED):



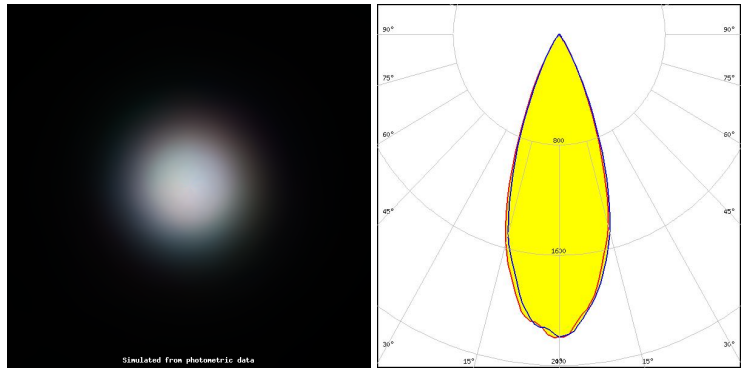
LED XM-L RGBW (XMLCTW)
FWHM / FWTM 33.0° / 55.0 + 54.0°
Efficiency 91 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files



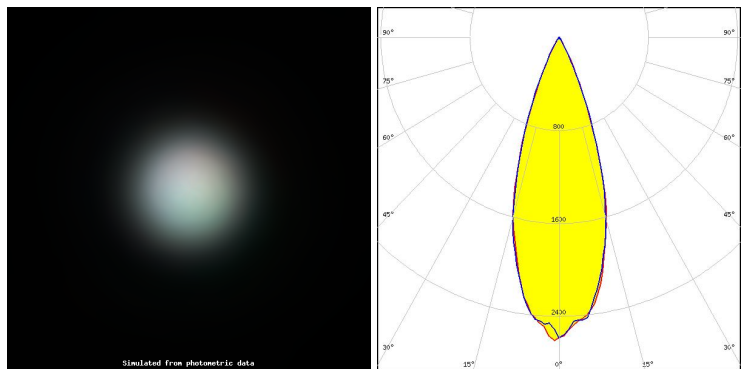
LED XM-L RGBW (XMLDCL HD)
FWHM / FWTM 37.0 + 38.0° / 60.0°
Efficiency 91 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files



LED XM-L RGBW (XMLDCL HI)
FWHM / FWTM 35.0° / 54.0°
Efficiency 91 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:

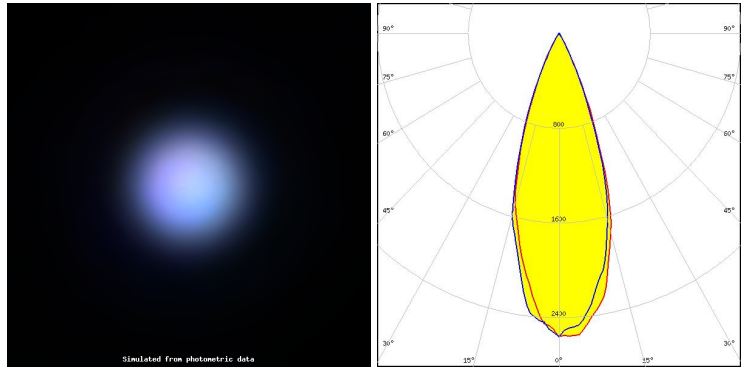


Light distribution files

OPTICAL RESULTS (SIMULATED):



LED XN-P Color
FWHM / FWTM 36.0 + 35.0° / 55.0 + 54.0°
Efficiency 91 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files

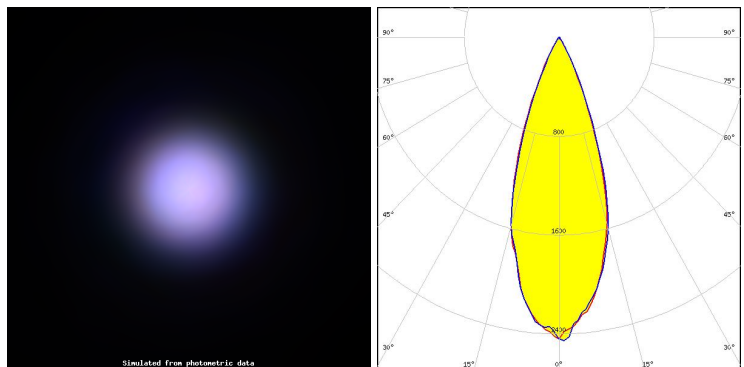


LED XNPA
FWHM / FWTM 35.0° / 54.0°
Efficiency 90 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:

Light distribution files



LED XP-L RGBW HD
FWHM / FWTM 36.0° / 56.0°
Efficiency 90 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:

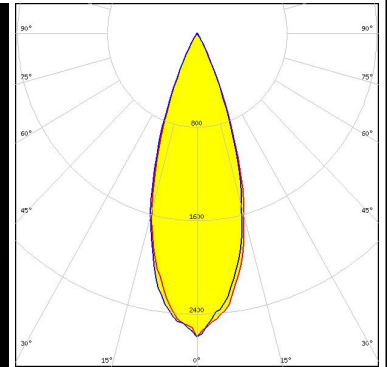
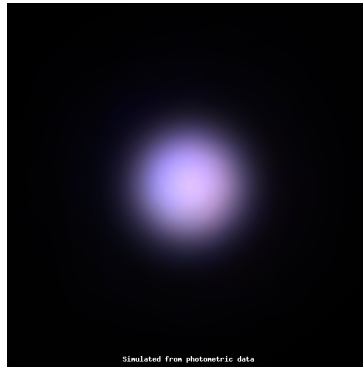


Light distribution files

OPTICAL RESULTS (SIMULATED):



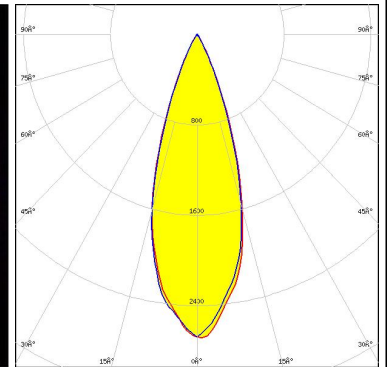
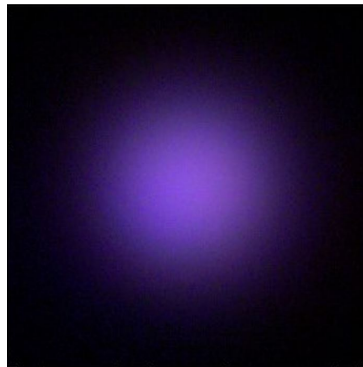
LED XP-L RGBW HI
 FWHM / FWTM 35.0 + 34.0° / 54.0°
 Efficiency 90 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



Light distribution files



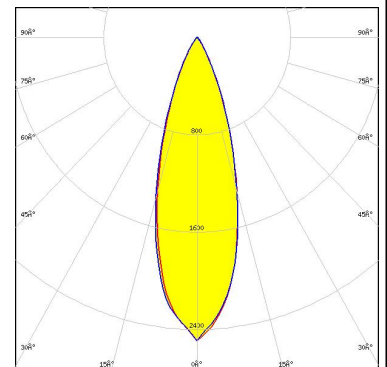
LED LZ7 Plus (LZ7-04M2PD)
 FWHM / FWTM 34.0° / 54.0°
 Efficiency 90 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON 7070
 FWHM / FWTM 32.0° / 58.0°
 Efficiency 87 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

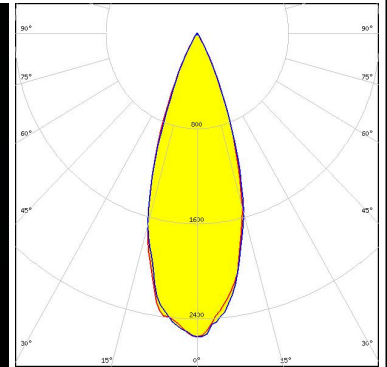
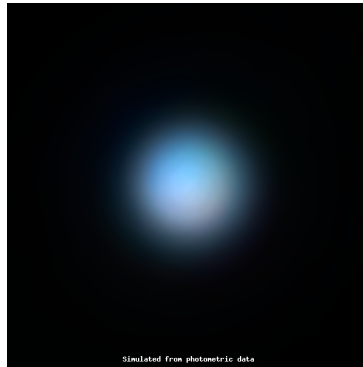


Light distribution files

OPTICAL RESULTS (SIMULATED):



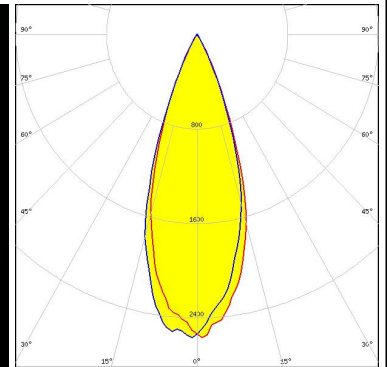
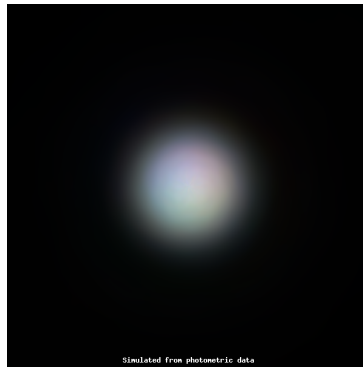
LED LUXEON Rubix
FWHM / FWTM 35.0 + 36.0° / 56.0°
Efficiency 91 %
Peak intensity 2.6 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:



Light distribution files



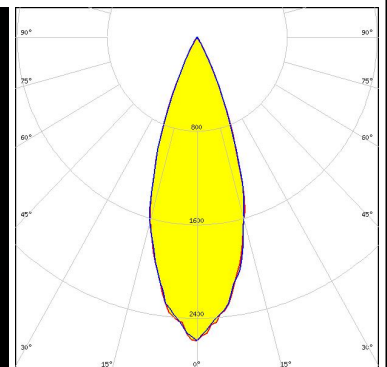
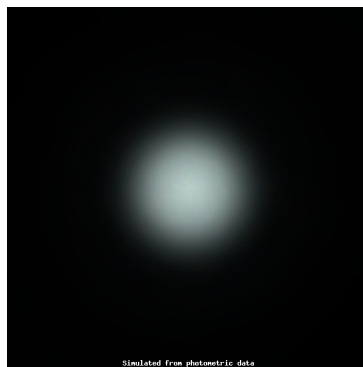
LED SBM-40 HC
FWHM / FWTM 35.0 + 36.0° / 54.0°
Efficiency 91 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour/type RGBL
Required components:



Light distribution files



LED SFT-40 Gen2
FWHM / FWTM 36.0° / 55.0 + 56.0°
Efficiency 91 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

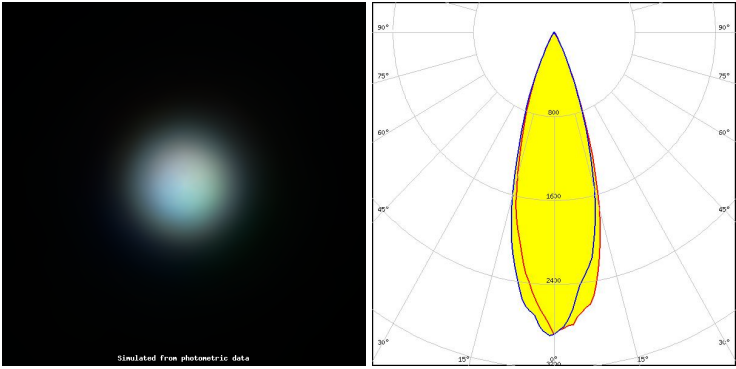


Light distribution files

OPTICAL RESULTS (SIMULATED):

NICHIA

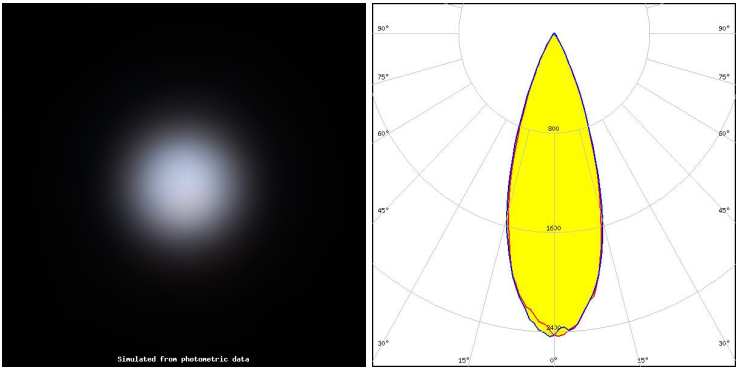
LED: NCSxE17A
 FWHM / FWTM: 32.0° / 52.0°
 Efficiency: 88 %
 Peak intensity: 2.9 cd/lm
 LEDs/each optic: 4
 Light colour/type: RGBW
 Required components:



Light distribution files

OSRAM
Opto Semiconductors

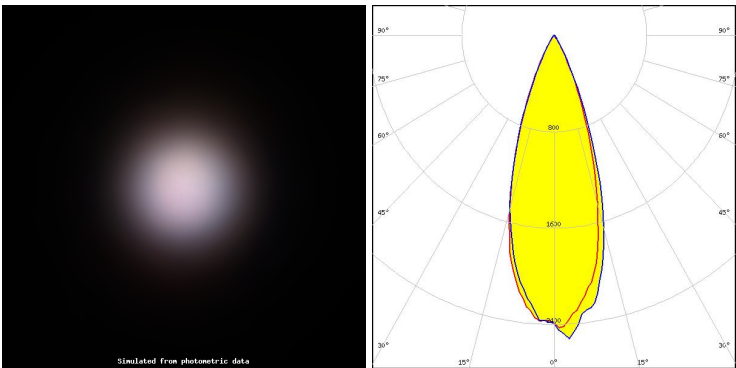
LED: DURIS E 5050 (GW J9LHS1.4M)
 FWHM / FWTM: 35.0 + 36.0° / 56.0 + 57.0°
 Efficiency: 90 %
 Peak intensity: 2.5 cd/lm
 LEDs/each optic: 1
 Light colour/type: RGBW
 Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED: DURIS E 5050 (GW J9LHS2.4M)
 FWHM / FWTM: 34.0 + 35.0° / 56.0 + 57.0°
 Efficiency: 90 %
 Peak intensity: 2.5 cd/lm
 LEDs/each optic: 1
 Light colour/type: RGBW
 Required components:

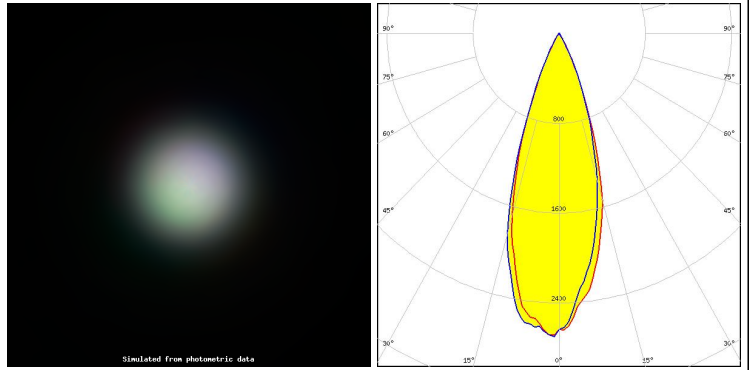


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

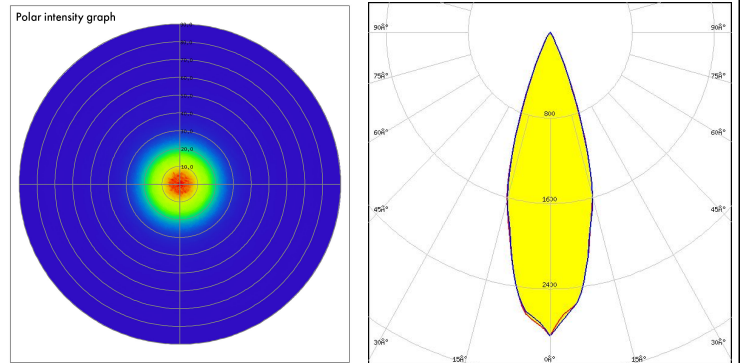
LED OSLON Pure 1414
 FWHM / FWTM 34.0 + 33.0° / 54.0°
 Efficiency 90 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED SFH 4717AS
 FWHM / FWTM 32.0° / 52.0°
 Efficiency 88 %
 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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LEDiL Oy

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Shenzhen 518057
P.R.CHINA

Local sales and technical support

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)

Shipping locations

Poznan, Poland
Hong Kong, China

Distribution Partners

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)