

GABRIELLA-45-W

~35° wide beam with holder

SPECIFICATION:

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

MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
C15813_GABRIELLA-45-W	Single lens	PMMA	clear		
C15528_GABRIELLA-45-HLD	Holder	PC	black		

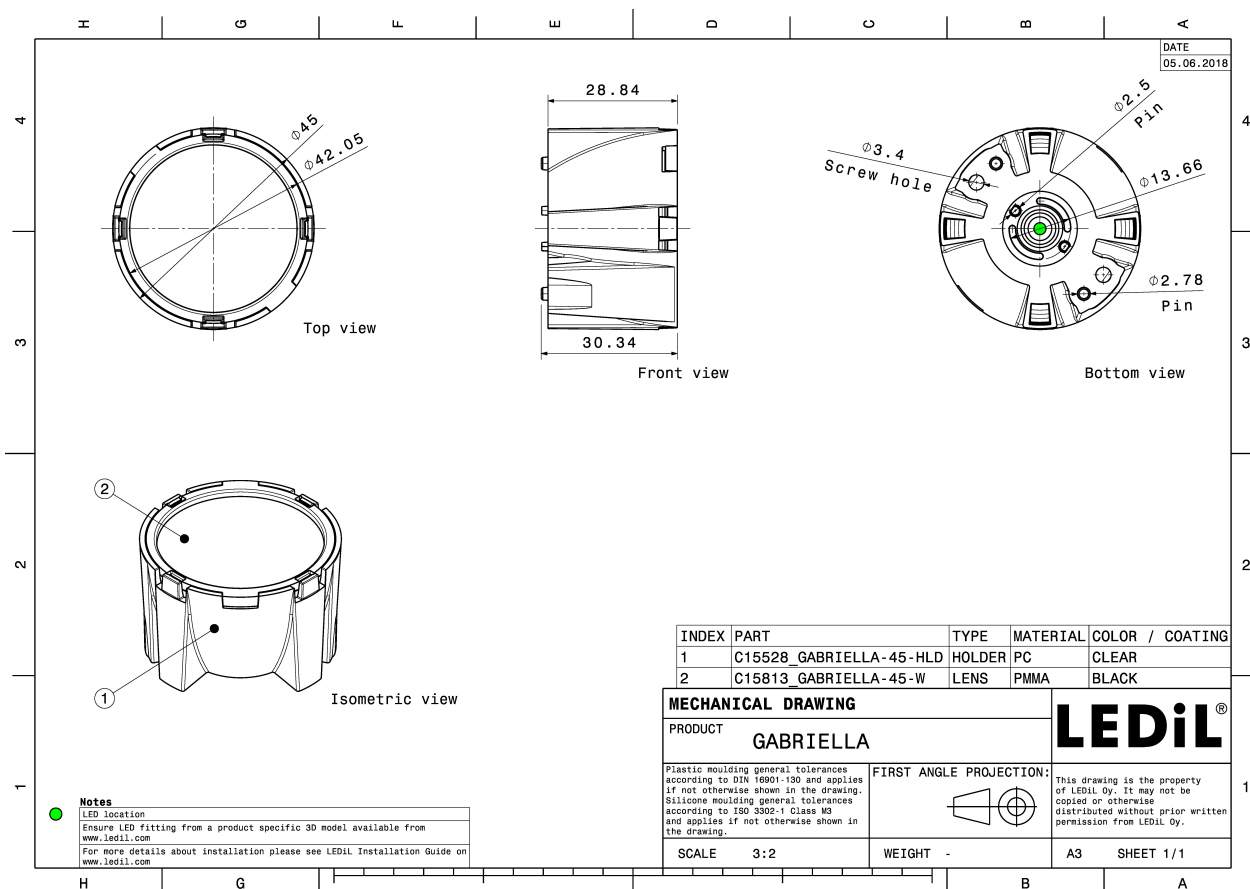


ORDERING INFORMATION:

Quantities for one set:

Single lens	1
Holder	1

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

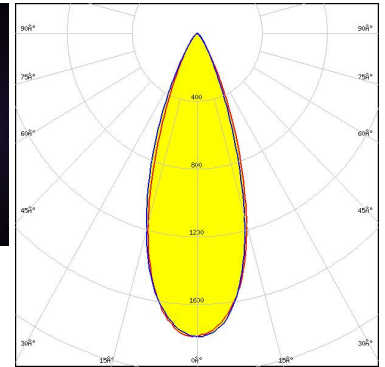
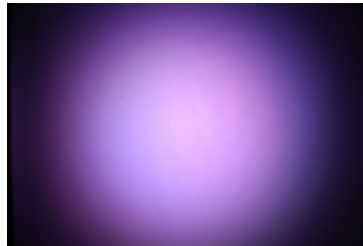


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



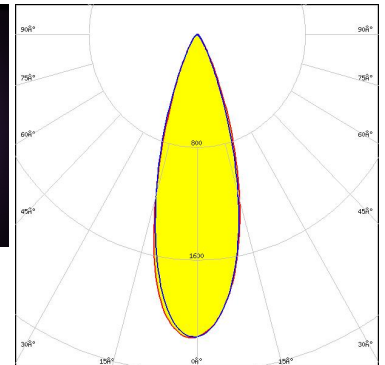
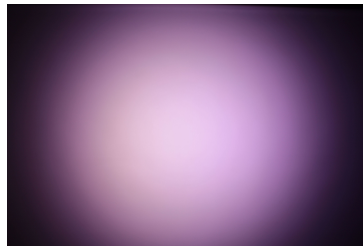
LED XM-L RGBW (XMLCTW)
FWHM / FWTM 37.0° / 62.0°
Efficiency 79 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



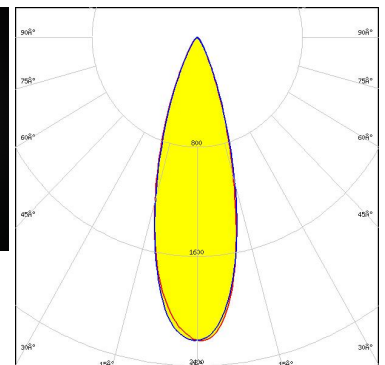
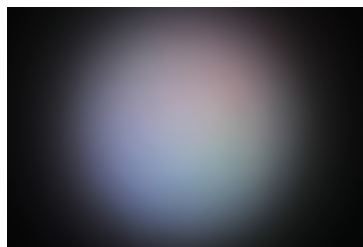
LED LUXEON 5052 RGBW
FWHM / FWTM 32.0° / 57.0°
Efficiency 79 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:



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:

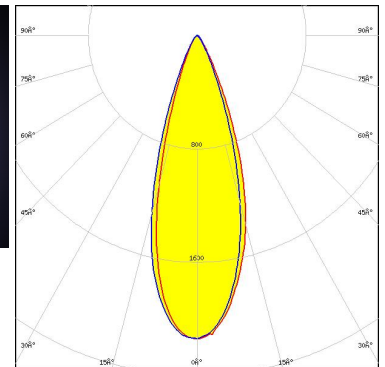
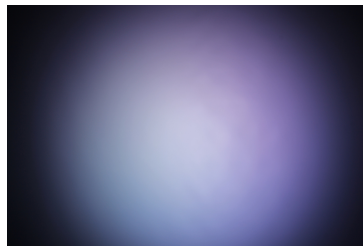


Light distribution files

OPTICAL RESULTS (MEASURED):



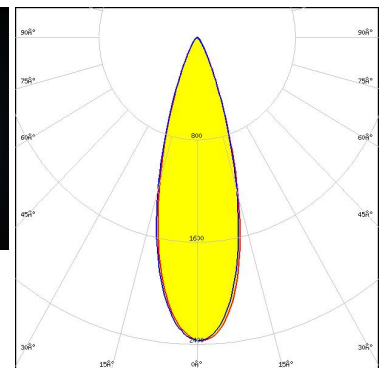
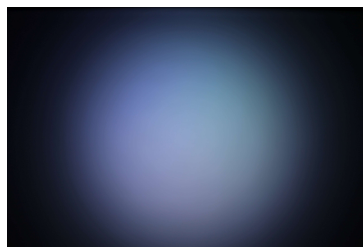
LED SBM-40-RGBW
FWHM / FWTM 33.0° / 56.0°
Efficiency 80 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



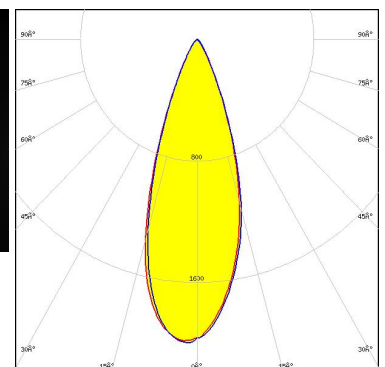
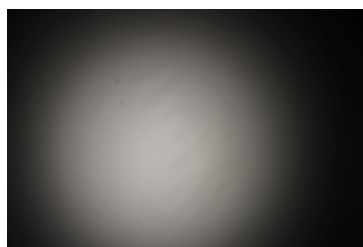
LED NCSxE17A
FWHM / FWTM 31.0° / 54.0°
Efficiency 81 %
Peak intensity 2.4 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:



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:

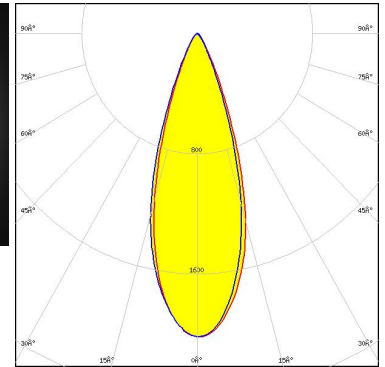
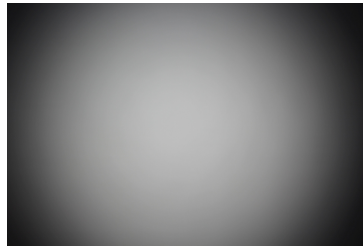


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

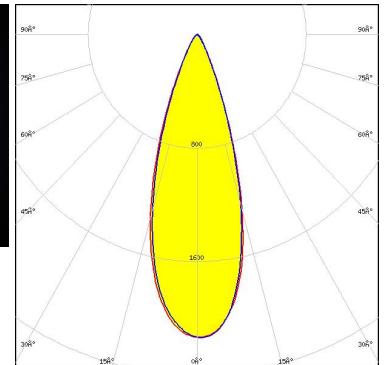
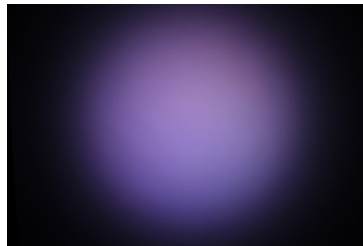
LED OSLON Square EC
FWHM / FWTM 34.0° / 57.0°
Efficiency 78 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

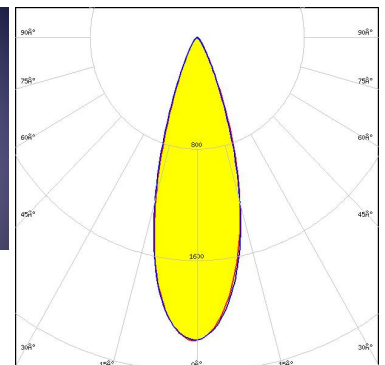
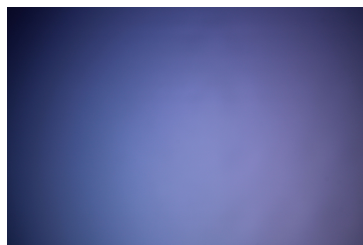
LED Ostar-SMT RGB
FWHM / FWTM 34.0° / 56.0°
Efficiency 81 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SEOL
SEOUL SEMICONDUCTOR

LED SPF05F0A
FWHM / FWTM 33.0° / 56.0°
Efficiency 78 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:

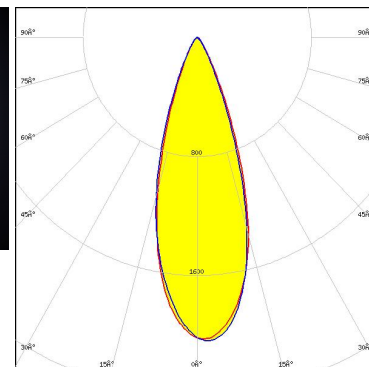
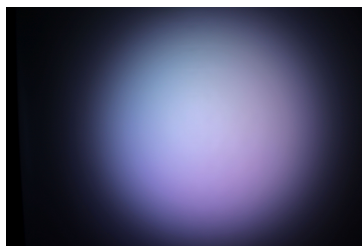


Light distribution files

OPTICAL RESULTS (MEASURED):



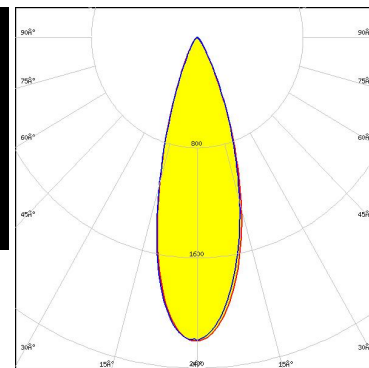
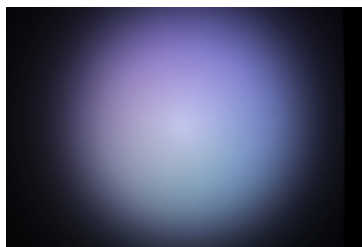
LED SPF05F0B
FWHM / FWTM 34.0° / 58.0°
Efficiency 80 %
Peak intensity 2.1 cd/m
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files



LED SPF05F0C
FWHM / FWTM 32.0° / 56.0°
Efficiency 79 %
Peak intensity 2.2 cd/m
LEDs/each optic 1
Light colour/type RGBW
Required components:

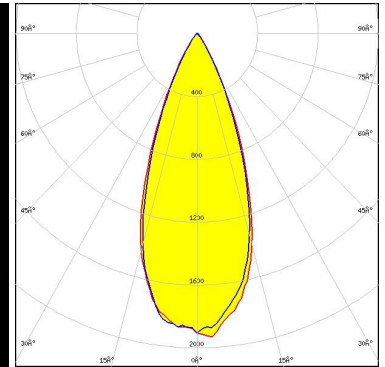
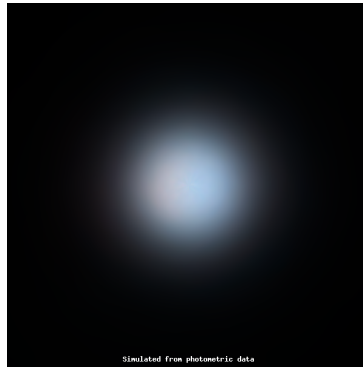


Light distribution files

OPTICAL RESULTS (SIMULATED):



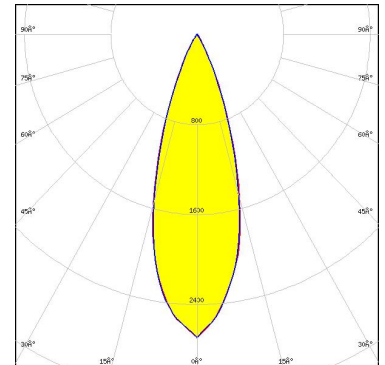
LED CLQ6A-TKW
FWHM / FWTM 40.0° / 64.0°
Efficiency 90 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files



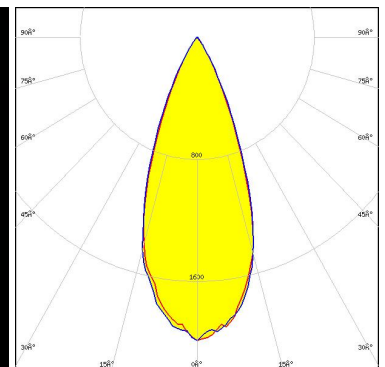
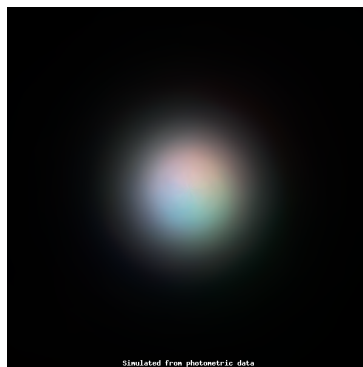
LED J Series 5050 Round LES
FWHM / FWTM 33.0° / 54.0°
Efficiency 90 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XE-G
FWHM / FWTM 40.0° / 62.0°
Efficiency 91 %
Peak intensity 2 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:

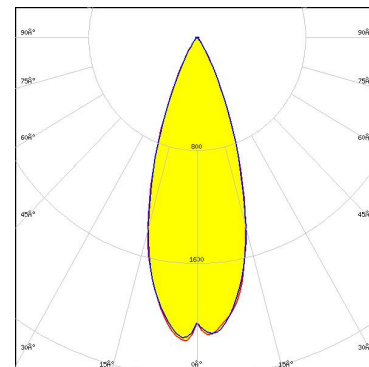


Light distribution files

OPTICAL RESULTS (SIMULATED):



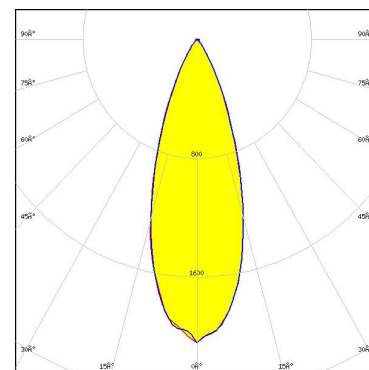
LED XHP50.2
FWHM / FWTM 36.0° / 60.0°
Efficiency 87 %
Peak intensity 2.2 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



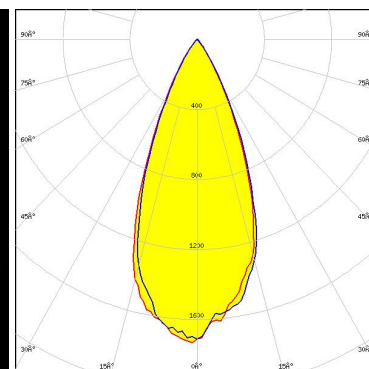
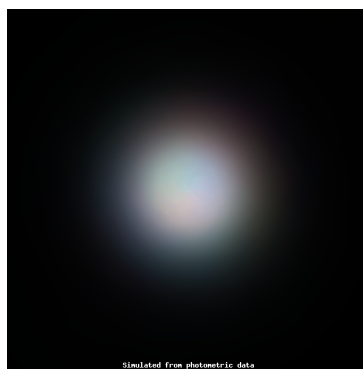
LED XHP70.2
FWHM / FWTM 35.0° / 62.0°
Efficiency 85 %
Peak intensity 2.1 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XM-L RGBW (XMLDCL HD)
FWHM / FWTM 43.0° / 67.0°
Efficiency 90 %
Peak intensity 1.8 cd/Im
LEDs/each optic 1
Light colour/type RGBW
Required components:

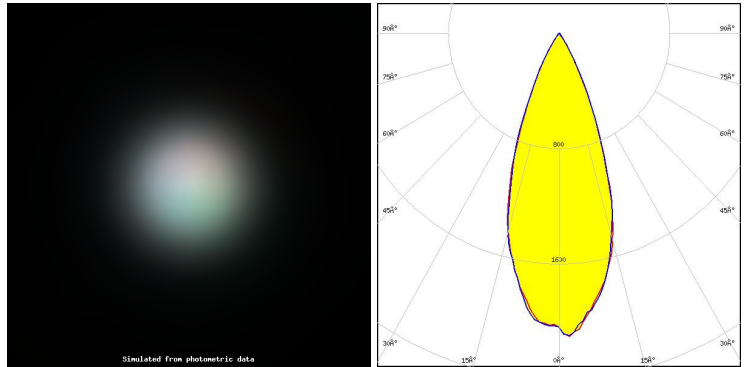


Light distribution files

OPTICAL RESULTS (SIMULATED):



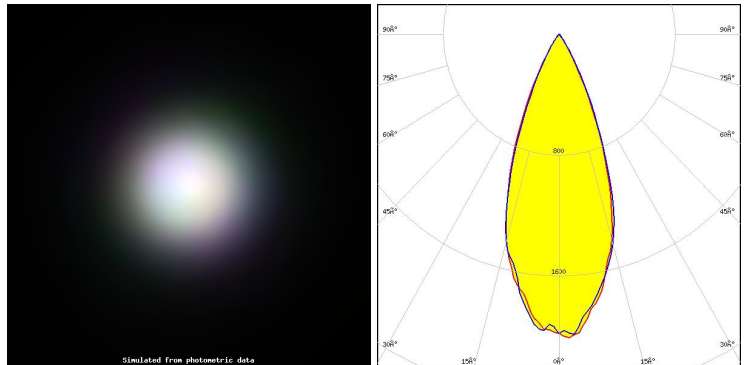
LED XM-L RGBW (XMLDCL HI)
 FWHM / FWTM 39.0° / 61.0 + 62.0°
 Efficiency 91 %
 Peak intensity 2.2 cd/Im
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



Light distribution files



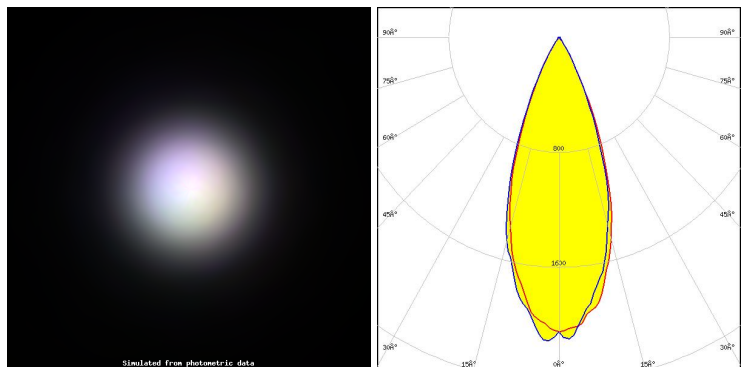
LED XP-L RGBW HD
 FWHM / FWTM 40.0° / 62.0°
 Efficiency 90 %
 Peak intensity 2 cd/Im
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



Light distribution files



LED XP-L RGBW HI
 FWHM / FWTM 39.0° / 62.0 + 61.0°
 Efficiency 90 %
 Peak intensity 2.2 cd/Im
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:

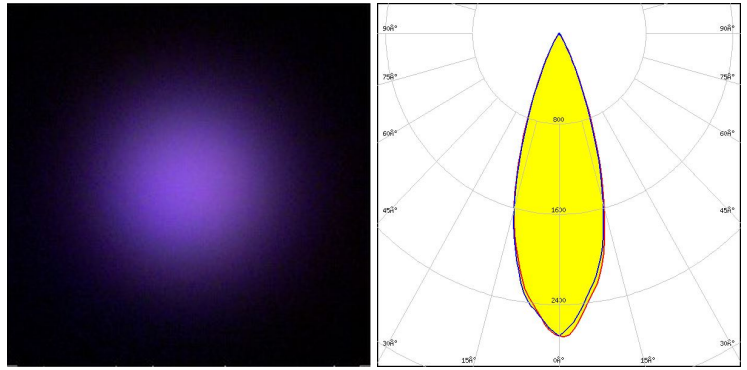


Light distribution files

OPTICAL RESULTS (SIMULATED):



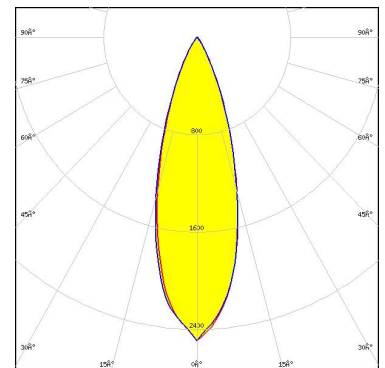
LED	LZ7 Plus (LZ7-04M2PD)
FWHM / FWTM	34.0° / 54.0°
Efficiency	90 %
Peak intensity	2.7 cd/Im
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



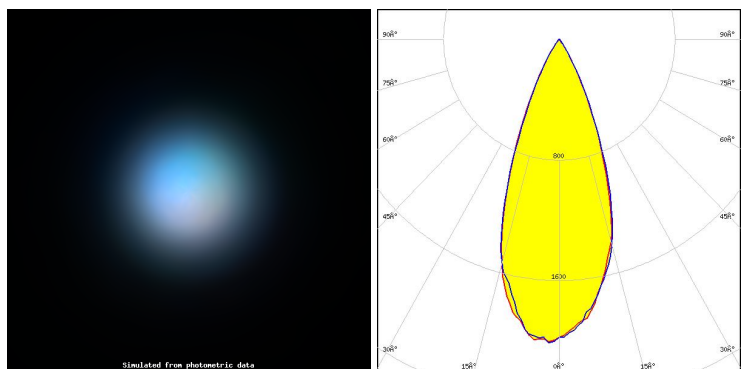
LED	LUXEON 7070
FWHM / FWTM	32.0° / 58.0°
Efficiency	87 %
Peak intensity	2.5 cd/Im
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



LED	LUXEON Rubix
FWHM / FWTM	39.0 + 40.0° / 62.0°
Efficiency	91 %
Peak intensity	2.1 cd/Im
LEDs/each optic	4
Light colour/type	RGBW
Required components:	

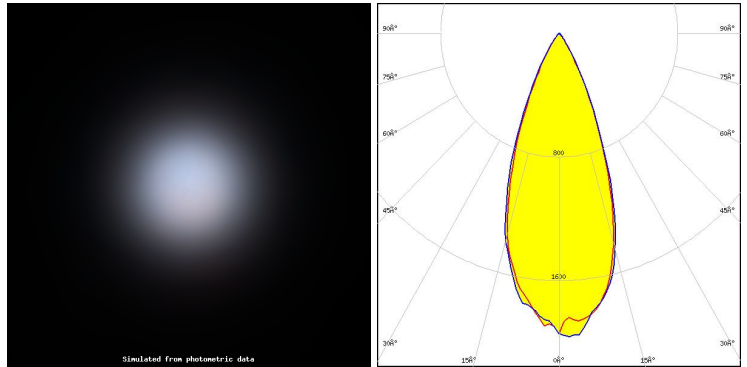


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

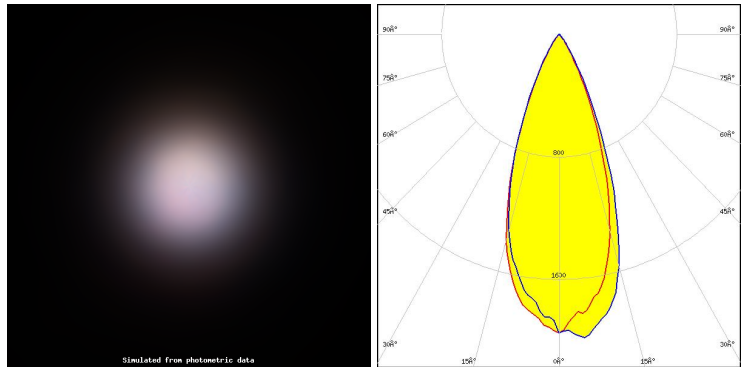
LED DURIS E 5050 (GW J9LHS1.4M)
FWHM / FWTM 39.0 + 40.0° / 62.0 + 64.0°
Efficiency 90 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files

OSRAM
Opto Semiconductors

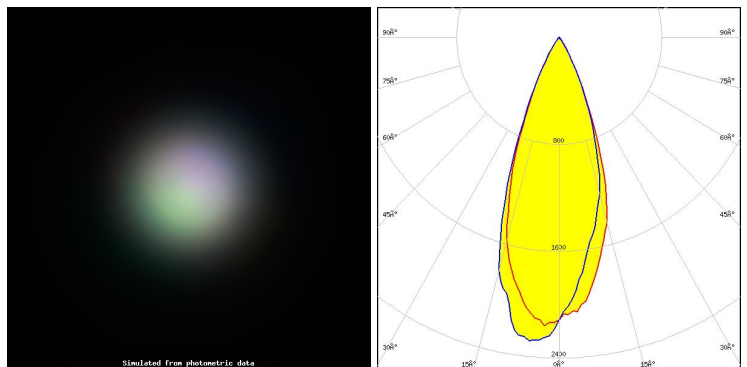
LED DURIS E 5050 (GW J9LHS2.4M)
FWHM / FWTM 38.0 + 40.0° / 62.0 + 63.0°
Efficiency 90 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSOLON Pure 1414
FWHM / FWTM 39.0 + 36.0° / 60.0 + 59.0°
Efficiency 91 %
Peak intensity 2.4 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:

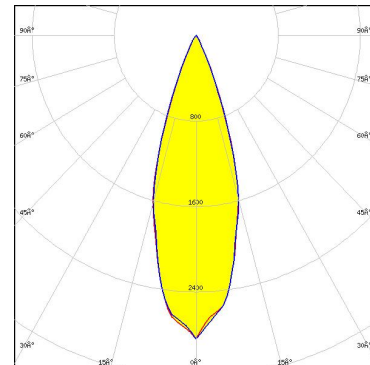
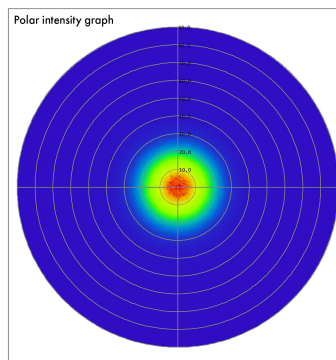


Light distribution files

OPTICAL RESULTS (SIMULATED):

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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Hong Kong, China

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