

GABRIELLA-45-M

~25° medium beam with holder

SPECIFICATION:

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

MATERIALS:

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

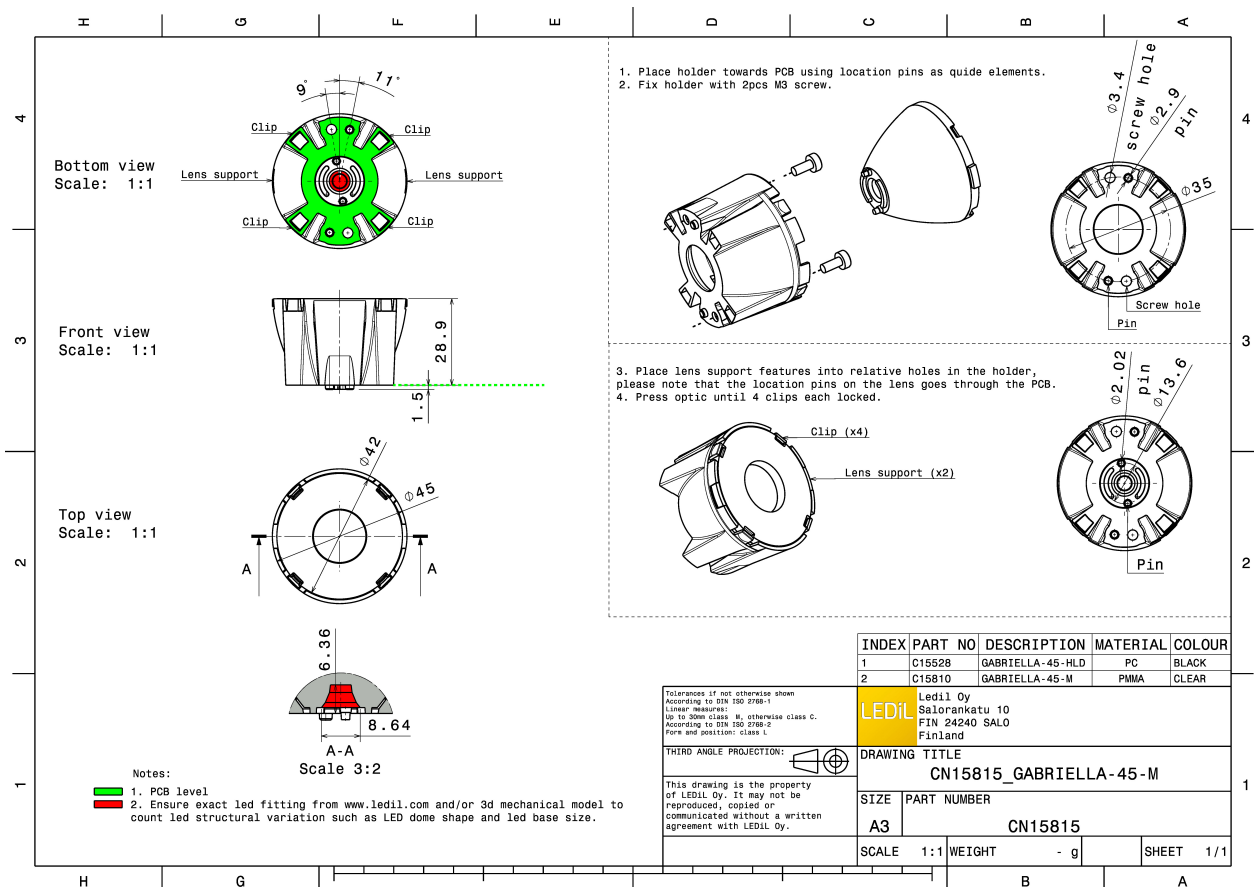


ORDERING INFORMATION:

Quantities for one set:

Single lens	1
Holder	1

Component		Qty in box	MOQ	MPQ	Box weight (kg)
C15810_GABRIELLA-45-M » Box size: 476 x 273 x 292 mm	Single lens	405	90	45	11.3
C15528_GABRIELLA-45-HLD » Box size: 476 x 273 x 292 mm	Holder	405	90	45	5.1

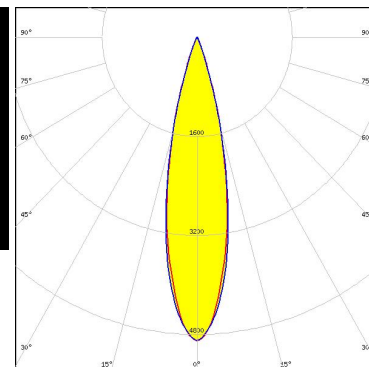
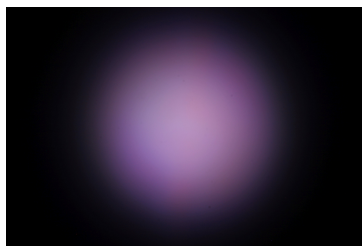


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



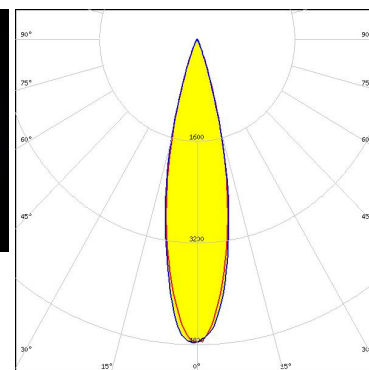
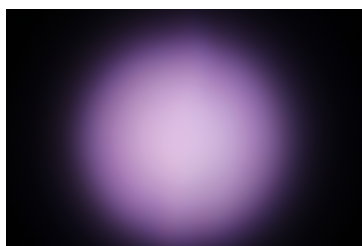
LED XP-L RGBW HD
FWHM / FWTM 24.0° / 40.0°
Efficiency 90 %
Peak intensity 4.9 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files



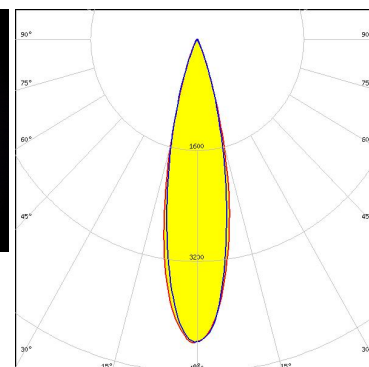
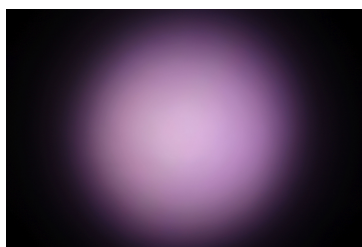
LED XP-L RGBW HI Blend
FWHM / FWTM 24.0° / 41.0°
Efficiency 90 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON 5052 RGBW
FWHM / FWTM 24.0° / 43.0°
Efficiency 89 %
Peak intensity 4.4 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:

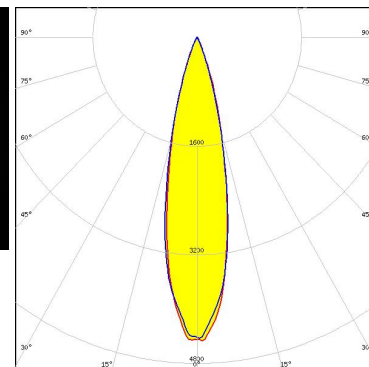
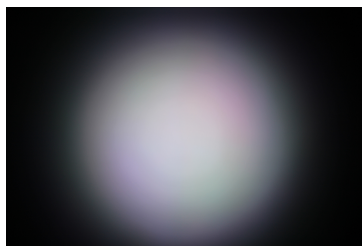


Light distribution files

OPTICAL RESULTS (MEASURED):



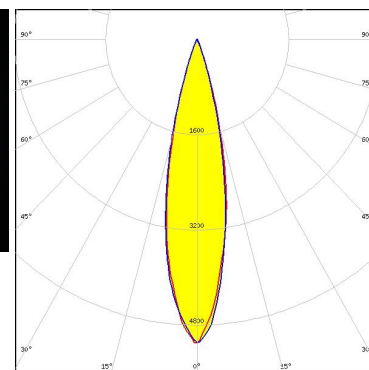
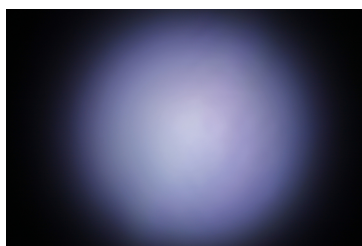
LED LUXEON CZ
FWHM / FWTM 23.0° / 43.0°
Efficiency 89 %
Peak intensity 4.5 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:



Light distribution files



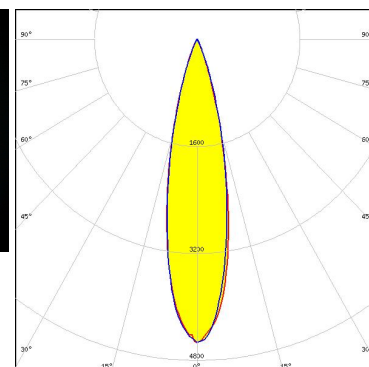
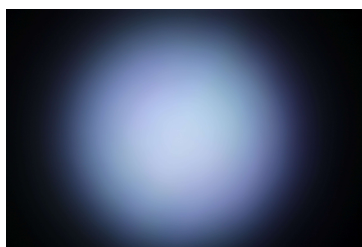
LED SBM-40-RGBW
FWHM / FWTM 23.0° / 39.0°
Efficiency 89 %
Peak intensity 5.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NCSxE17A
FWHM / FWTM 24.0° / 42.0°
Efficiency 90 %
Peak intensity 4.6 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:

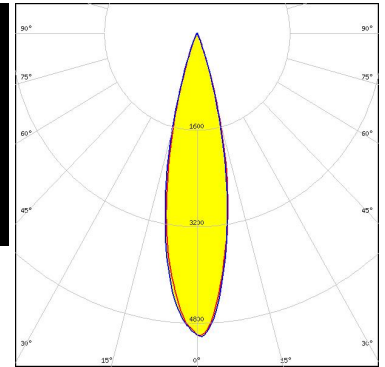


Light distribution files

OPTICAL RESULTS (MEASURED):



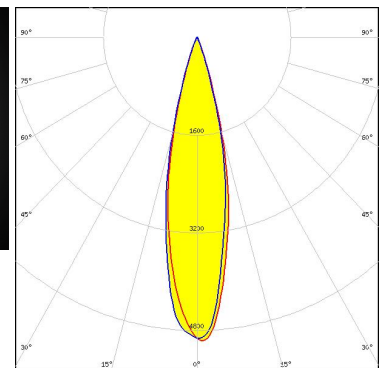
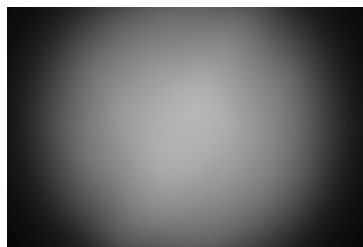
LED NVSW219F
FWHM / FWTM 24.0° / 40.0°
Efficiency 90 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



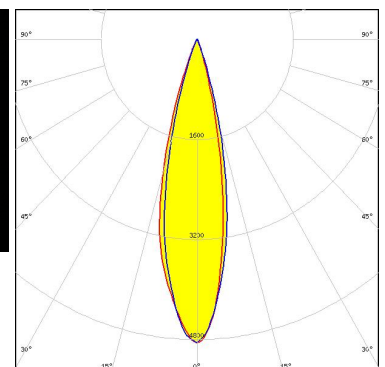
LED OSLOM Square EC
FWHM / FWTM 24.0° / 39.0°
Efficiency 88 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED Ostar-SMT RGB
FWHM / FWTM 24.0° / 40.0°
Efficiency 90 %
Peak intensity 4.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

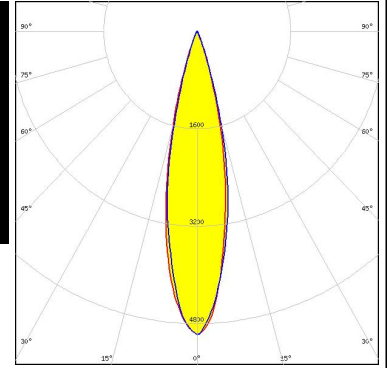
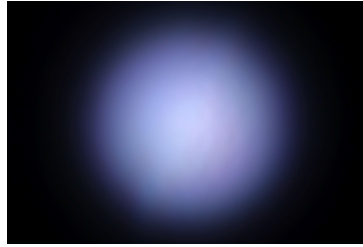


Light distribution files

OPTICAL RESULTS (MEASURED):



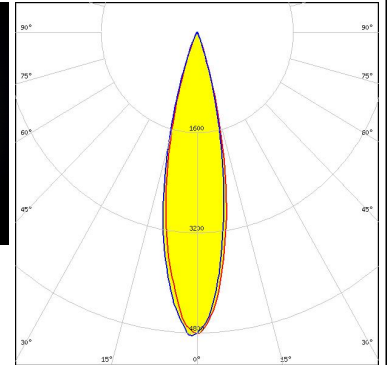
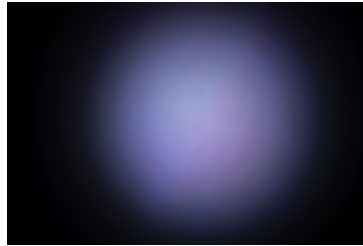
LED SPF05F0A
FWHM / FWTM 24.0° / 39.0°
Efficiency 88 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files



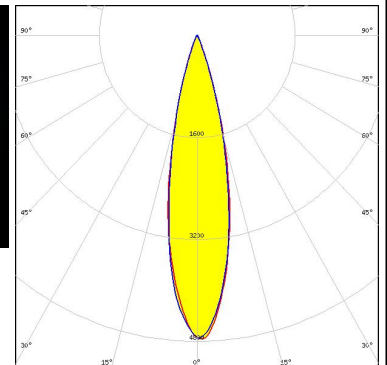
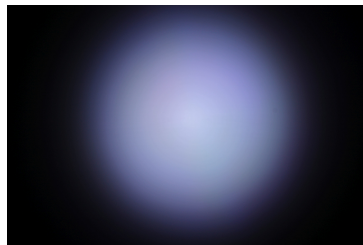
LED SPF05F0B
FWHM / FWTM 24.0° / 40.0°
Efficiency 88 %
Peak intensity 4.9 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files



LED SPF05F0C
FWHM / FWTM 24.0° / 41.0°
Efficiency 89 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:

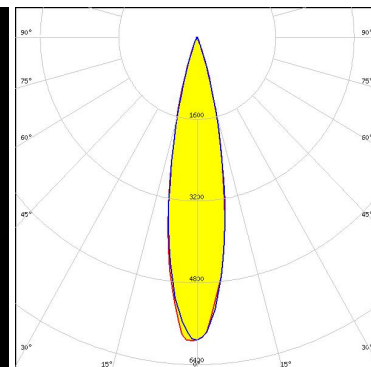


Light distribution files

OPTICAL RESULTS (SIMULATED):



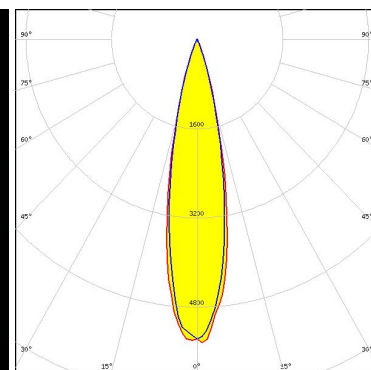
LED SMD 3838 RGBW 3V
FWHM / FWTM 22.0° / 38.0°
Efficiency 93 %
Peak intensity 6 cd/Im
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files



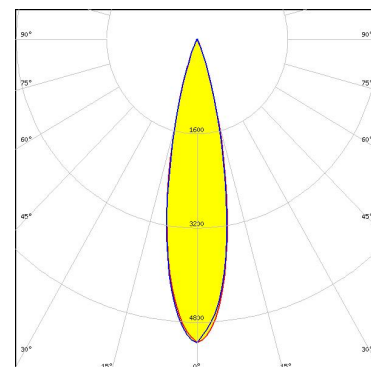
LED CLQ6A-TKW
FWHM / FWTM 22.0° / 40.0°
Efficiency 92 %
Peak intensity 5.5 cd/Im
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files



LED J Series 5050 Round LES
FWHM / FWTM 23.0° / 40.0°
Efficiency 92 %
Peak intensity 5.2 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:

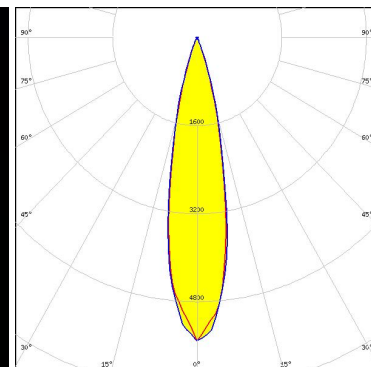


Light distribution files

OPTICAL RESULTS (SIMULATED):



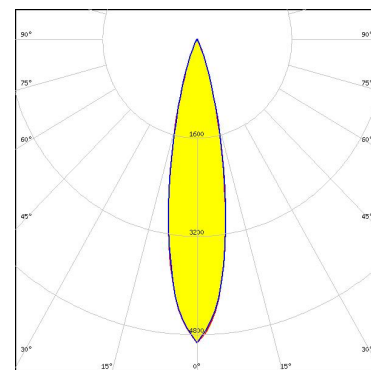
LED XE-G
FWHM / FWTM 22.0° / 38.0 + 40.0°
Efficiency 92 %
Peak intensity 5.5 cd/Im
LEDs/each optic 4
Light colour/type RGBW
Required components:



Light distribution files



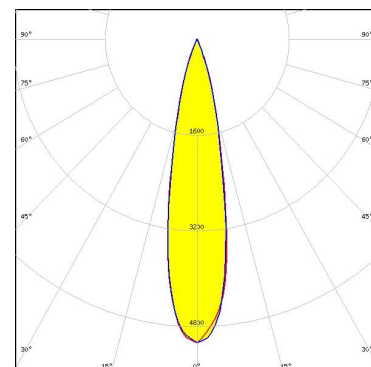
LED XHP35.2 HD
FWHM / FWTM 22.0° / 40.0°
Efficiency 88 %
Peak intensity 4.9 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XHP50.2
FWHM / FWTM 22.0° / 40.0°
Efficiency 89 %
Peak intensity 5.1 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:

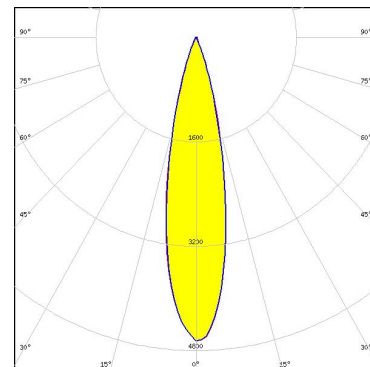


Light distribution files

OPTICAL RESULTS (SIMULATED):



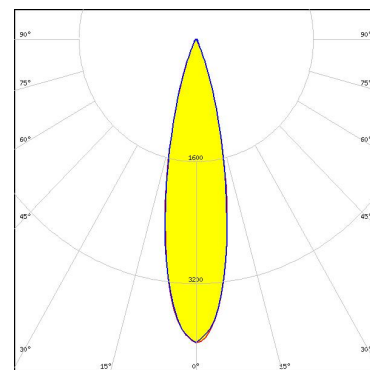
LED XHP50.3 HD
FWHM / FWTM 22.0° / 42.0°
Efficiency 88 %
Peak intensity 4.7 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



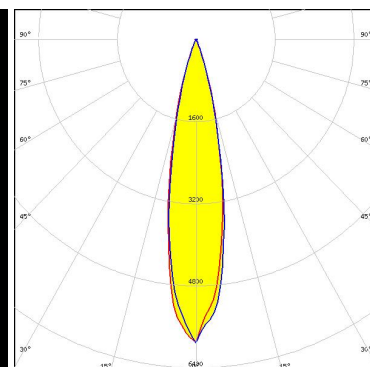
LED XHP70.2
FWHM / FWTM 24.0° / 44.0°
Efficiency 87 %
Peak intensity 4 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XM-L RGBW (XMLCTW)
FWHM / FWTM 21.0° / 38.0°
Efficiency 93 %
Peak intensity 5.9 cd/Im
LEDs/each optic 1
Light colour/type RGBW
Required components:

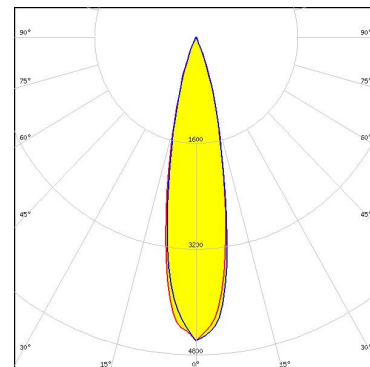


Light distribution files

OPTICAL RESULTS (SIMULATED):



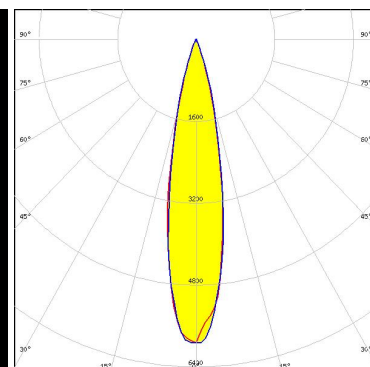
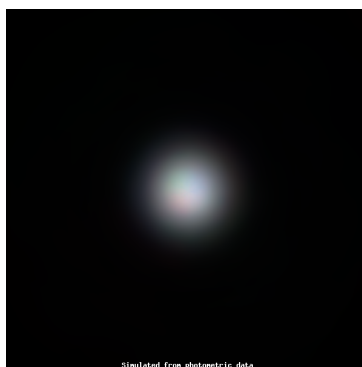
LED XM-L RGBW (XMLCTW)
 FWHM / FWTM 23.0° / 42.0°
 Efficiency 85 %
 Peak intensity 4.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



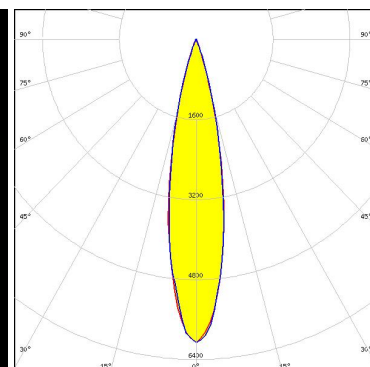
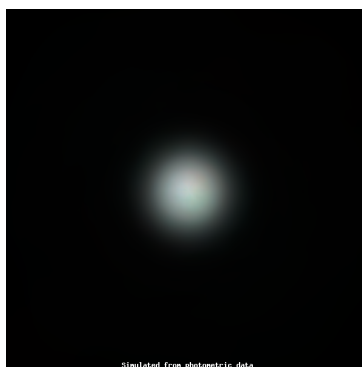
LED XM-L RGBW (XMLDCL HD)
 FWHM / FWTM 21.0 + 20.0° / 38.0°
 Efficiency 93 %
 Peak intensity 6 cd/lm
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



Light distribution files



LED XM-L RGBW (XMLDCL HI)
 FWHM / FWTM 22.0 + 21.0° / 38.0°
 Efficiency 93 %
 Peak intensity 6.1 cd/lm
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:

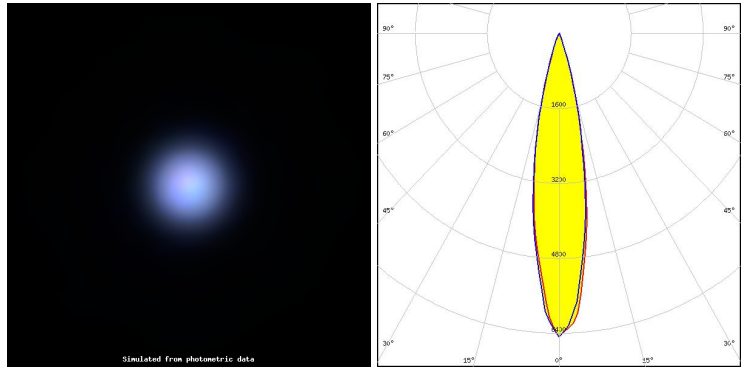


Light distribution files

OPTICAL RESULTS (SIMULATED):



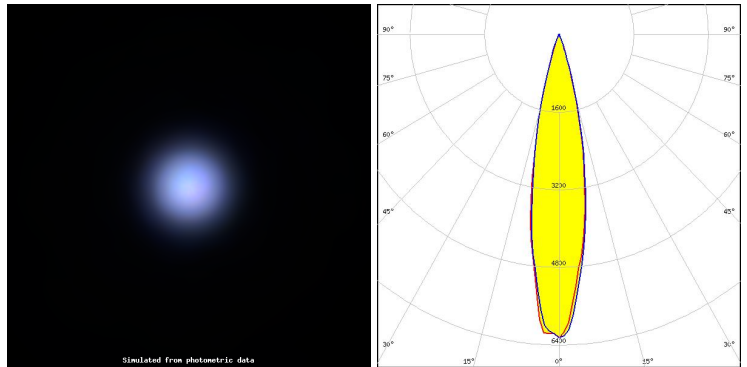
LED XN-P Color
FWHM / FWTM 21.0 + 20.0° / 36.0°
Efficiency 93 %
Peak intensity 6.5 cd/Im
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files



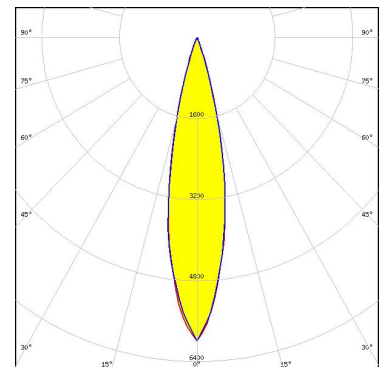
LED XNPA
FWHM / FWTM 21.0 + 20.0° / 36.0°
Efficiency 92 %
Peak intensity 6.3 cd/Im
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files



LED XP-E2
FWHM / FWTM 22.0° / 38.0°
Efficiency 92 %
Peak intensity 6 cd/Im
LEDs/each optic 1
Light colour/type Amber
Required components:

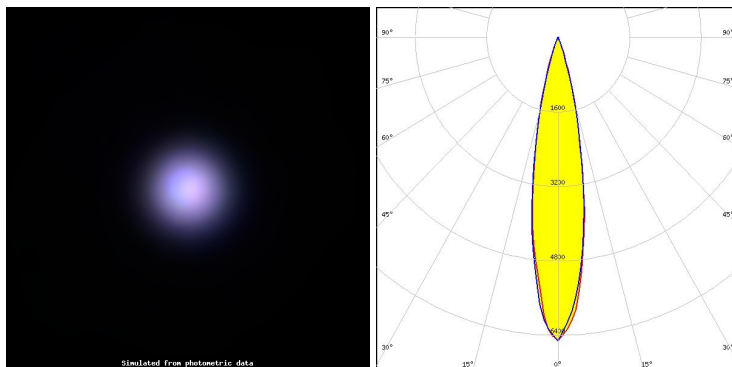


Light distribution files

OPTICAL RESULTS (SIMULATED):



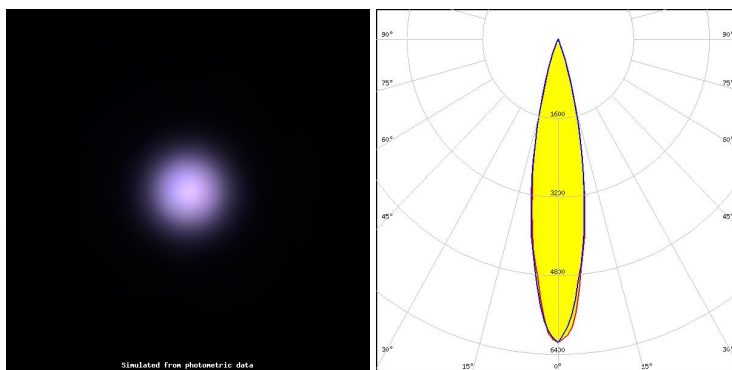
LED XP-L RGBW HD
FWHM / FWTM 20.0° / 36.0°
Efficiency 92 %
Peak intensity 6.5 cd/Im
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files



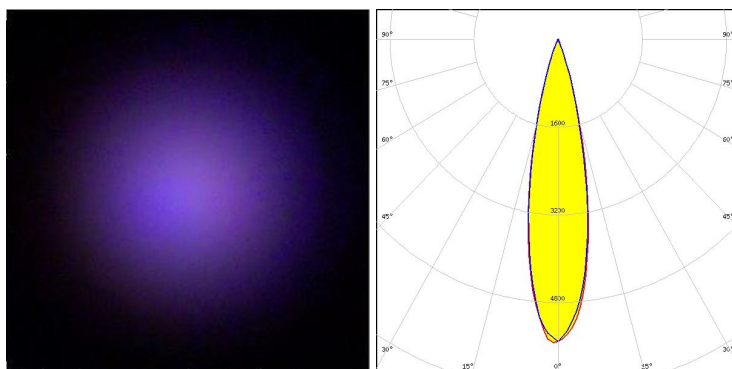
LED XP-L RGBW HI Blend
FWHM / FWTM 20.0° / 38.0° + 37.0°
Efficiency 91 %
Peak intensity 6.2 cd/Im
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files



LED LZ7 Plus (LZ7-04M2PD)
FWHM / FWTM 23.0° / 39.0°
Efficiency 93 %
Peak intensity 5.5 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:

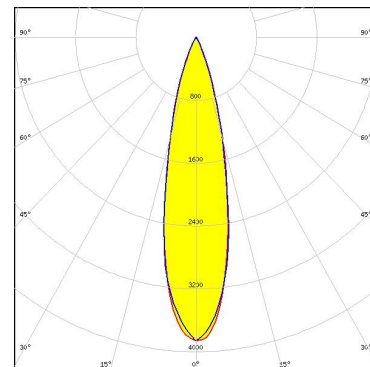


Light distribution files

OPTICAL RESULTS (SIMULATED):



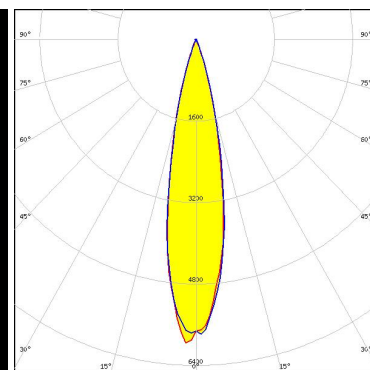
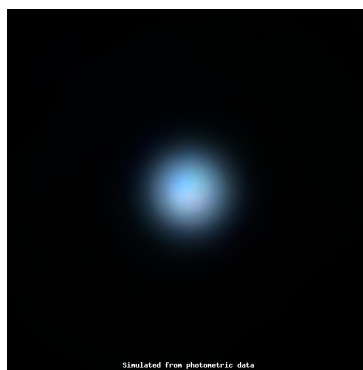
LED LUXEON C
FWHM / FWTM 24.0°
Efficiency 86 %
Peak intensity 4 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:



Light distribution files



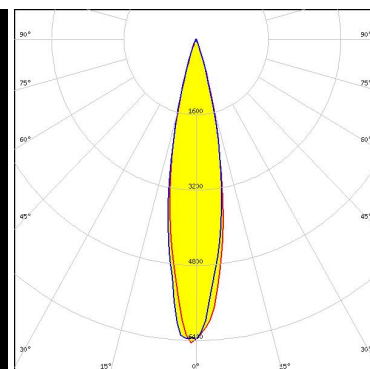
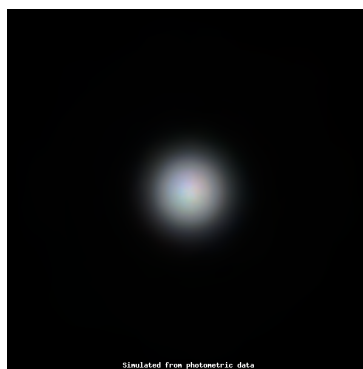
LED LUXEON Rubix
FWHM / FWTM 21.0 + 22.0° / 38.0°
Efficiency 93 %
Peak intensity 6 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:



Light distribution files



LED SBM-40 HC
FWHM / FWTM 20.0 + 21.0° / 36.0°
Efficiency 93 %
Peak intensity 6.5 cd/lm
LEDs/each optic 1
Light colour/type RGBL
Required components:

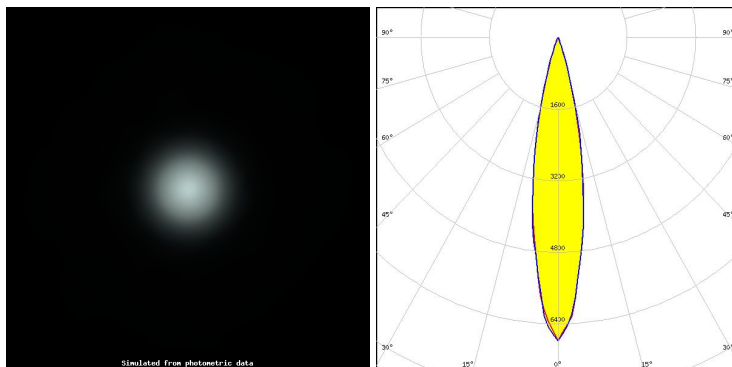


Light distribution files

OPTICAL RESULTS (SIMULATED):



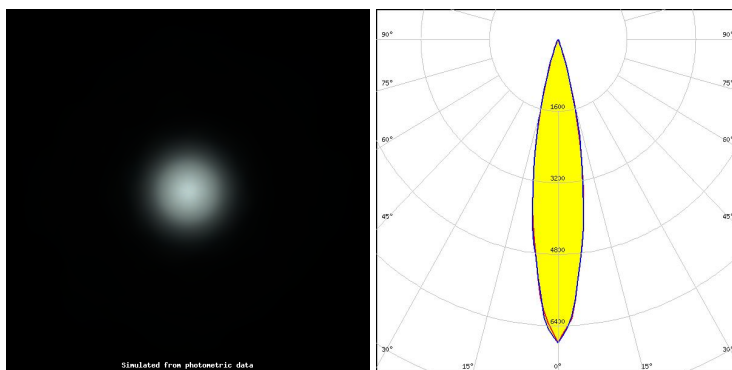
LED SFT-40 Gen2
FWHM / FWTM 20.0° / 36.0°
Efficiency 93 %
Peak intensity 6.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



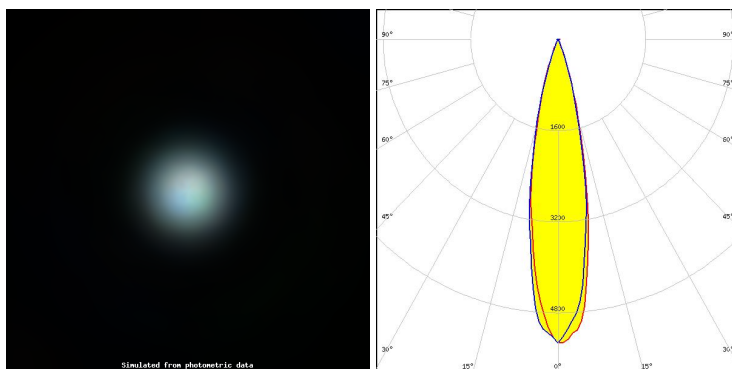
LED SFT-40 Gen2
FWHM / FWTM 18.0° / 36.0°
Efficiency 93 %
Peak intensity 7.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NCSxE17A
FWHM / FWTM 22.0° / 40.0°
Efficiency 90 %
Peak intensity 5.4 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:

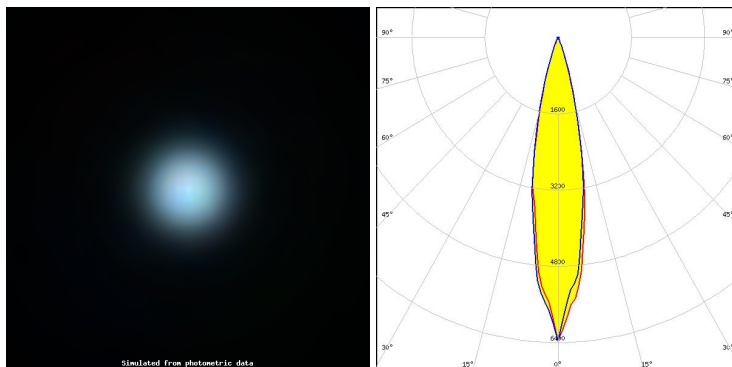


Light distribution files

OPTICAL RESULTS (SIMULATED):



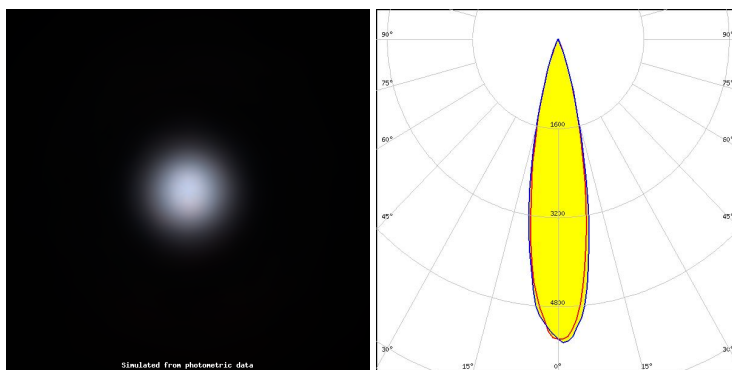
LED NFSxE11A RGBW 2x2
 FWHM / FWTM 20.0° / 38.0°
 Efficiency 91 %
 Peak intensity 6.4 cd/lm
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:



Light distribution files



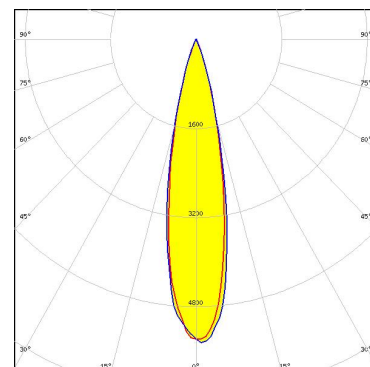
LED DURIS E 5050 (GW J9LHS1.4M)
 FWHM / FWTM 22.0° / 40.0°
 Efficiency 92 %
 Peak intensity 5.5 cd/lm
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



Light distribution files



LED DURIS E 5050 (GW J9LHS1.4M)
 FWHM / FWTM 20.0 + 22.0° / 39.0 + 40.0°
 Efficiency 91 %
 Peak intensity 5.6 cd/lm
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:

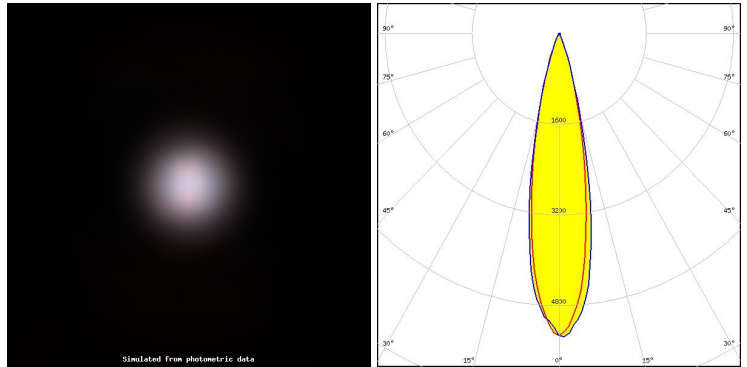


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

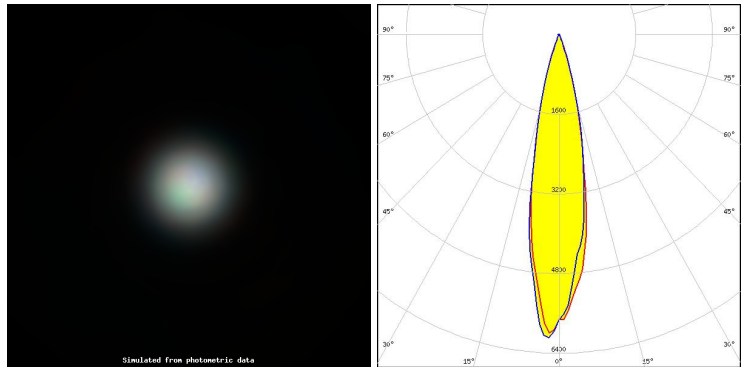
LED DURIS E 5050 (GW J9LHS2.4M)
FWHM / FWTM 22.0 + 23.0° / 40.0°
Efficiency 92 %
Peak intensity 5.4 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files

OSRAM
Opto Semiconductors

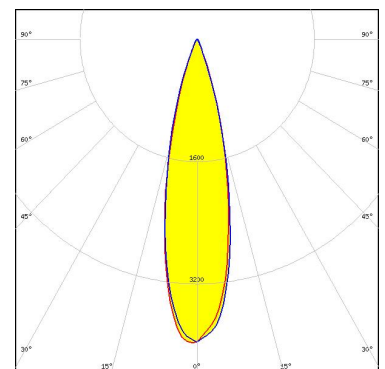
LED OSOLON Pure 1414
FWHM / FWTM 21.0° / 38.0°
Efficiency 92 %
Peak intensity 6.2 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSTAR Stage (S2WP)
FWHM / FWTM 25.0°
Efficiency 86 %
Peak intensity 4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

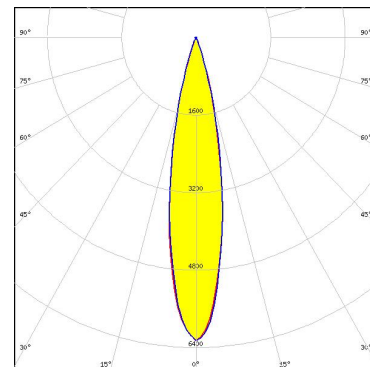
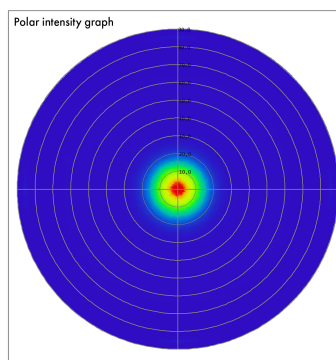


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED SFH 4717AS
FWHM / FWTM 20.0° / 36.0°
Efficiency 92 %
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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDiL Oy

Joensuunkatu 7
FI-24100 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405 , Block B
Casic Motor Building
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)