

LEILA-Y-W

~36° wide beam. 14.8 mm high assembly with black holder, installation tape and pins.

SPECIFICATION:

Dimensions	Ø 21.6
Height	14.8 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

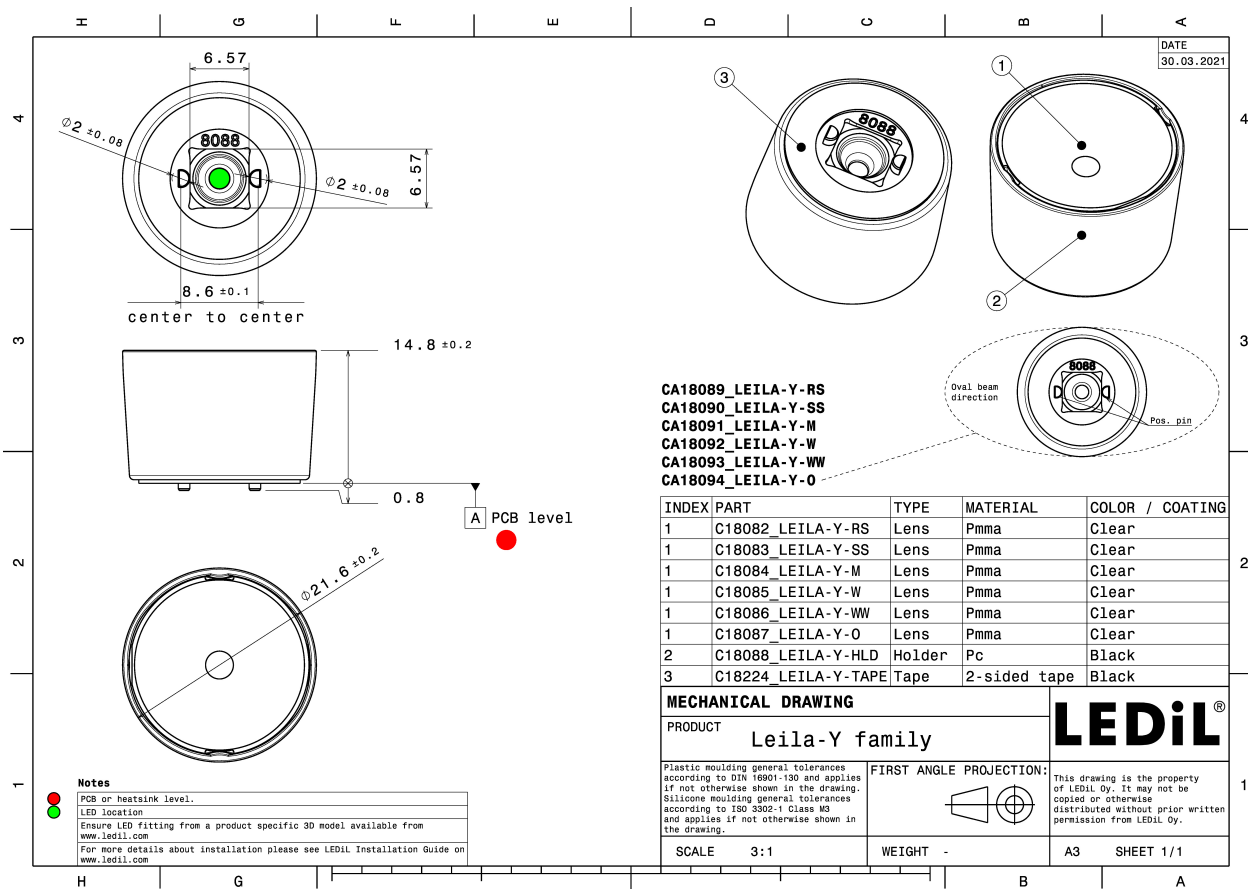


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
LEILA-Y-HLD	Holder	PC	black	gloss	
LEILA-Y-W	Single lens	PMMA	clear		
LEILA-Y-TAPE	Tape	Acryl tape			

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA18092_LEILA-Y-W » Box size: 476 x 273 x 197 mm	1800	180	180	6.6

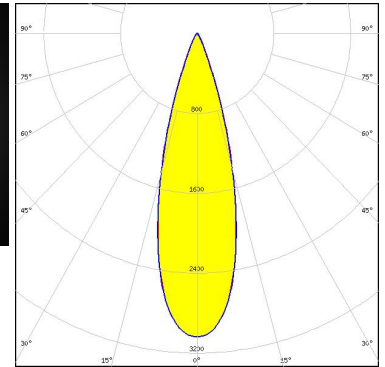
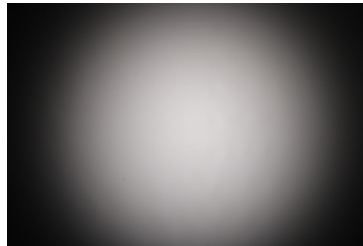


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



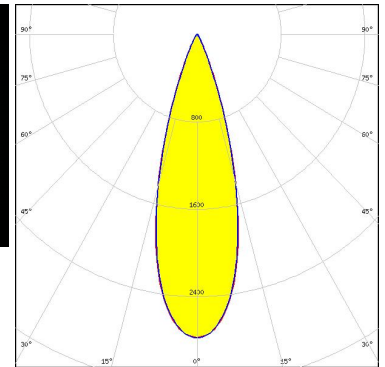
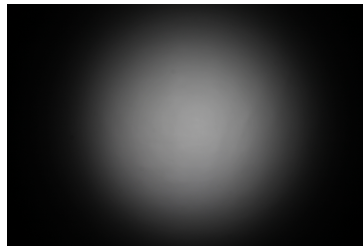
LED XHP35 HI
FWHM / FWTM 29.0° / 48.0°
Efficiency 83 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



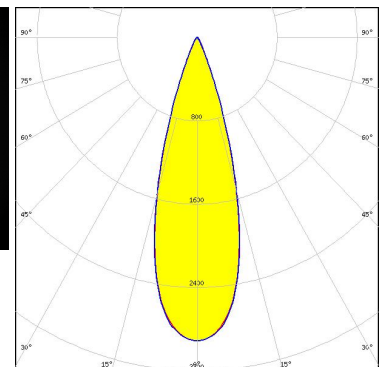
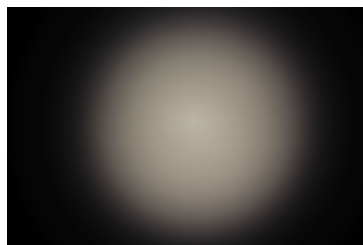
LED XP-G3
FWHM / FWTM 31.0° / 49.0°
Efficiency 81 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G4
FWHM / FWTM 31.0° / 48.0°
Efficiency 85 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

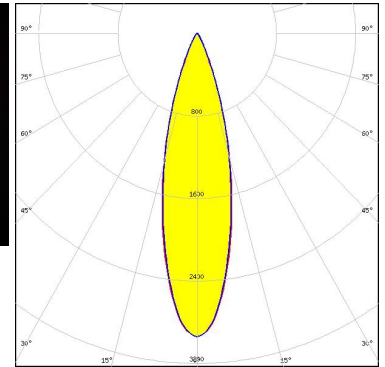
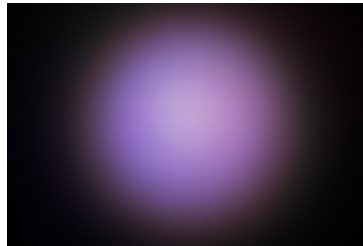


Light distribution files

OPTICAL RESULTS (MEASURED):



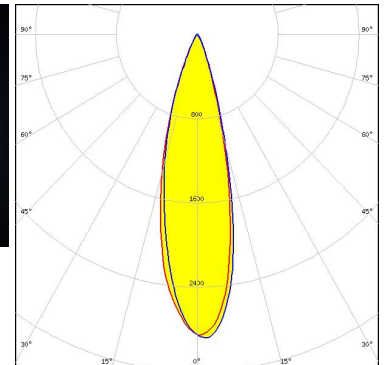
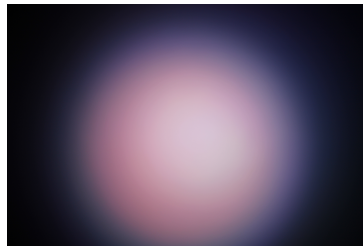
LED XP-L RGBW HD
 FWHM / FWTM 27.0° / 50.0°
 Efficiency 79 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



Light distribution files



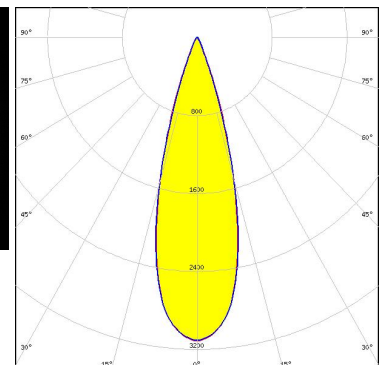
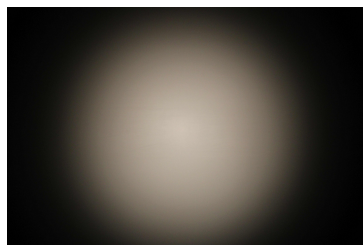
LED XP-L RGBW HI Blend
 FWHM / FWTM 26.0° / 47.0°
 Efficiency 72 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSW719AC
 FWHM / FWTM 30.0° / 46.0°
 Efficiency 84 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

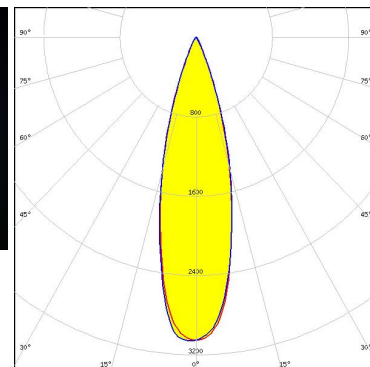
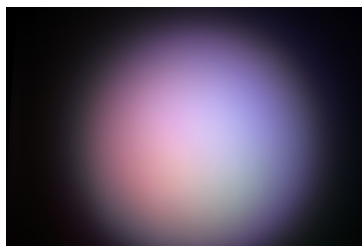


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED	OSLON Pure 1414
FWHM / FWTM	28.0° / 48.0°
Efficiency	81 %
Peak intensity	3.1 cd/lm
LEDs/each optic	4
Light colour/type	RGBW
Required components:	

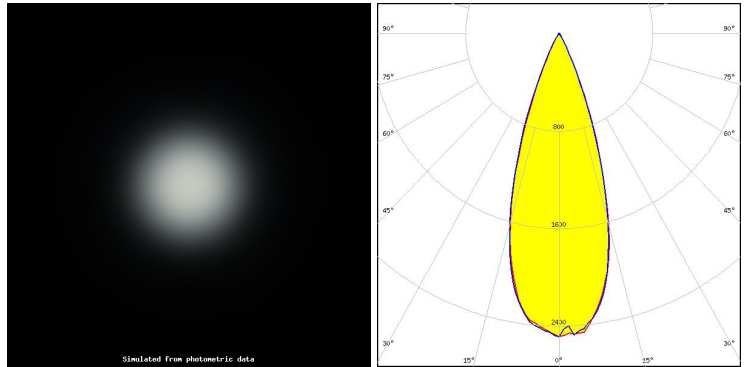


Light distribution files

OPTICAL RESULTS (SIMULATED):



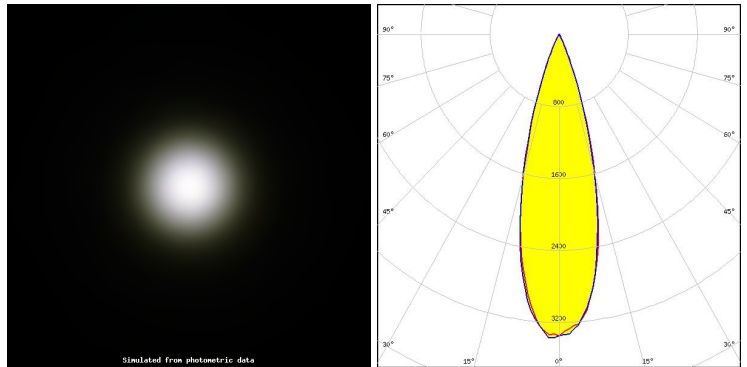
LED Bridgelux SMD 3535 (3B1)
 FWHM / FWTM 36.0° / 54.0°
 Efficiency 87 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



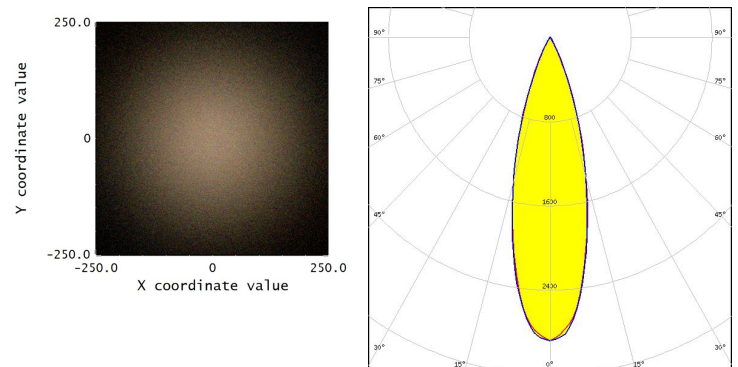
LED J Series 3030C
 FWHM / FWTM 29.0 + 28.0° / 46.0°
 Efficiency 85 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XD16
 FWHM / FWTM 30.0° / 52.0°
 Efficiency 82 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 4
 Light colour/type Tunable White
 Required components:

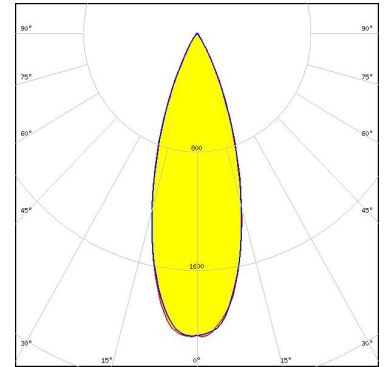


Light distribution files

OPTICAL RESULTS (SIMULATED):



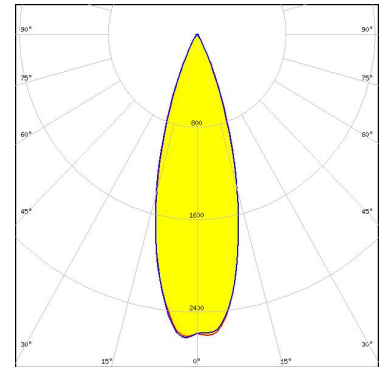
LED XHP35.2 HD
FWHM / FWTM 34.0° / 58.0°
Efficiency 77 %
Peak intensity 2.1 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



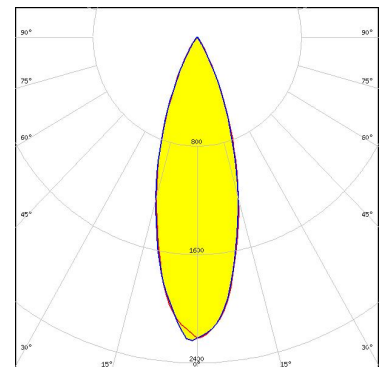
LED XHP35.2 HI
FWHM / FWTM 32.0° / 52.0°
Efficiency 83 %
Peak intensity 2.6 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XHP50
FWHM / FWTM 32.0° / 58.0°
Efficiency 80 %
Peak intensity 2.2 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:

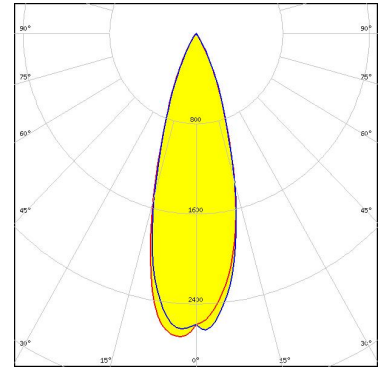


Light distribution files

OPTICAL RESULTS (SIMULATED):



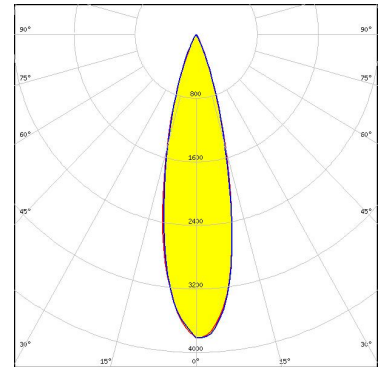
LED XM-L RGBW (XMLDCL HD)
 FWHM / FWTM 31.0° / 56.0°
 Efficiency 89 %
 Peak intensity 2.8 cd/Im
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



Light distribution files



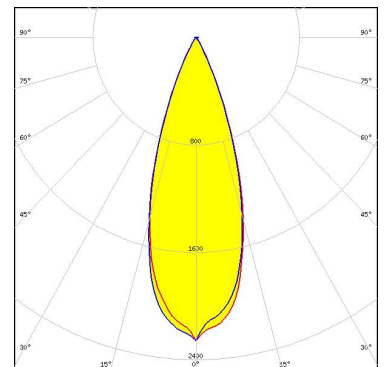
LED XM-L RGBW (XMLDCL HI)
 FWHM / FWTM 26.0° / 46.0°
 Efficiency 87 %
 Peak intensity 3.8 cd/Im
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



Light distribution files



LED XM-L3
 FWHM / FWTM 35.0° / 56.0°
 Efficiency 81 %
 Peak intensity 2.3 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:

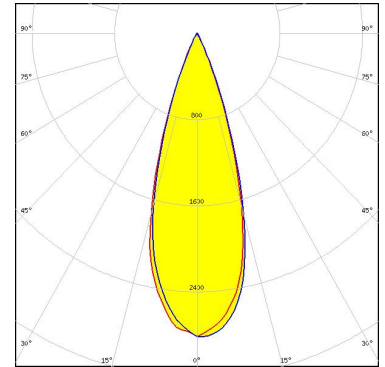


Light distribution files

OPTICAL RESULTS (SIMULATED):



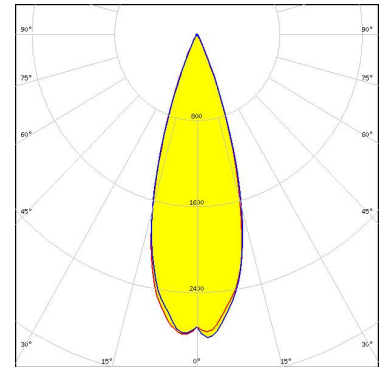
LED XP-G2
 FWHM / FWTM 34.0° / 50.0°
 Efficiency 86 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



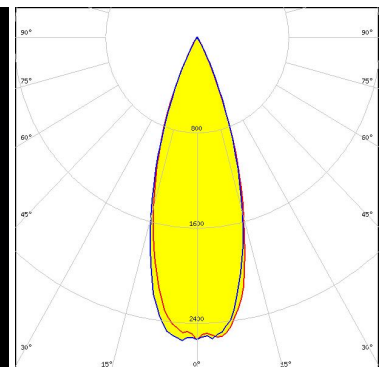
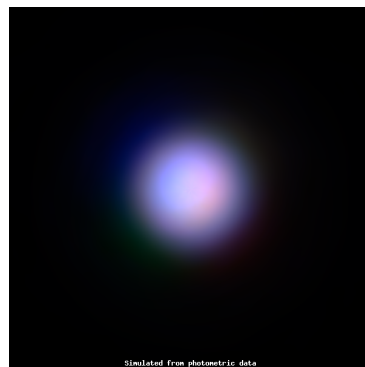
LED XP-G4 HI
 FWHM / FWTM 32.0° / 50.0°
 Efficiency 85 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-L RGBW HD
 FWHM / FWTM 34.0° / 54.0°
 Efficiency 87 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



Light distribution files

CREE
LEDs

Light distribution files



Detector Image: Illuminance	
20.7.2024 Detector: LJ_MSC Surface 1: 1800mm Size: 2000x1500 W x 2000.000 H millimeters, Pixels: 3200 W X 3200 H, Total Bits = 659344 Peak Intirance: 0.4850E+02 Lumens/m ² Total Power : 1.7682E+02 Lumens	Zemax Zemax OpticStudio 21.3 ZEMAX, LLC IS A U.S. PATENT AND TRADEMARK OFFICE REGISTERED COMPANY. Copyright © 2024 of S.

Light distribution files



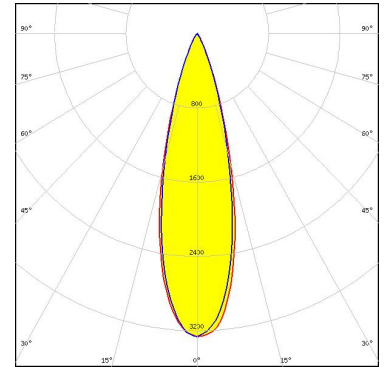
Detector Image: Illuminance	
28-2-2024 Detector ID : M5C Surface I: 1300nm Size 2000,000 X 8 2000,000 X 8 Millimeters, Pixels 3000 X 3000 X, Total Hits = 8376747 Peak Illuminance: 9.2784E+02 Lumens/m² Total Power : 1.8271E+02 Watts	Zemax Zemax OpticStudio 21.3 C:\Users\LEGA\AppData\Local\Temp\OpticStudio Configuration 5 of 5

Light distribution files

OPTICAL RESULTS (SIMULATED):



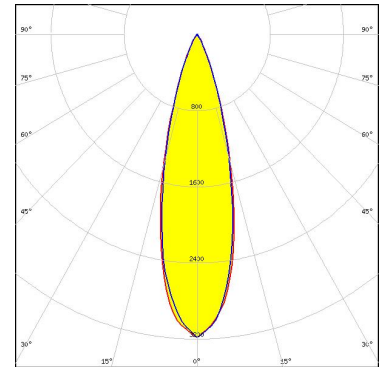
LED LUXEON 5050 Round LES
 FWHM / FWTM 28.0° / 48.0°
 Efficiency 84 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



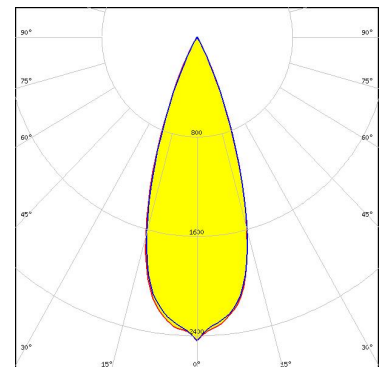
LED LUXEON 5050 Square LES
 FWHM / FWTM 28.0° / 50.0°
 Efficiency 83 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON HL2X
 FWHM / FWTM 36.0° / 54.0°
 Efficiency 87 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

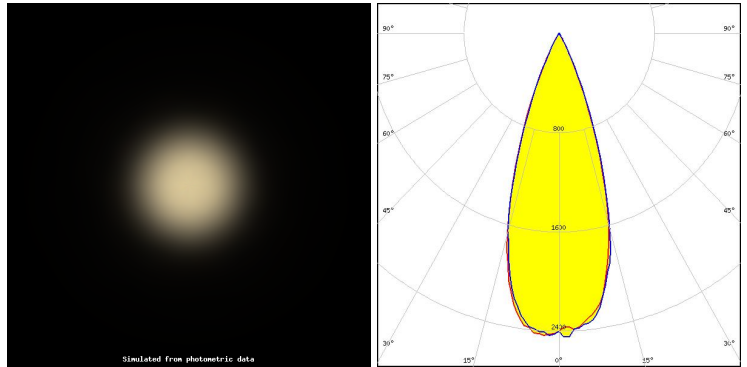


Light distribution files

OPTICAL RESULTS (SIMULATED):



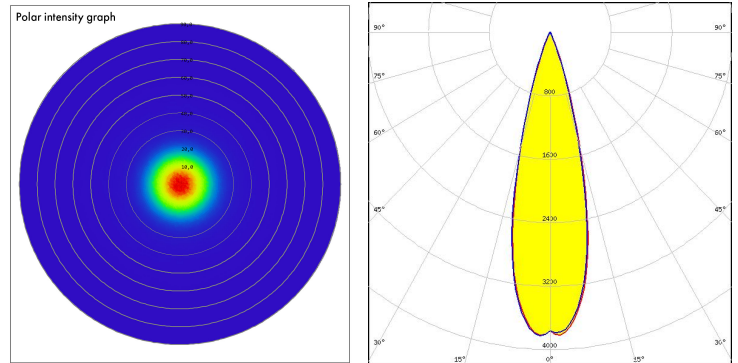
LED LUXEON HL2X-V
 FWHM / FWTM 36.0° / 54.0°
 Efficiency 88 %
 Peak intensity 2.5 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



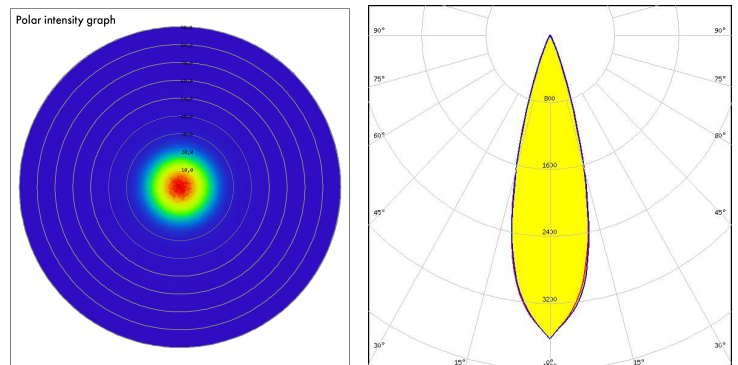
LED LUXEON IR domed 50 (L110-0xxx050200000)
 FWHM / FWTM 27.0° / 43.0°
 Efficiency 85 %
 LEDs/each optic 1
 Light colour/type IR
 Required components:



Light distribution files



LED LUXEON IR domed 60 (L110-0xxx060200000)
 FWHM / FWTM 28.0° / 44.0°
 Efficiency 85 %
 LEDs/each optic 1
 Light colour/type IR
 Required components:

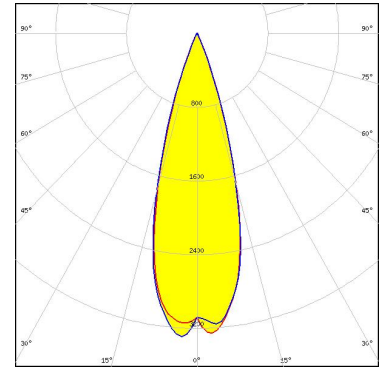


Light distribution files

OPTICAL RESULTS (SIMULATED):



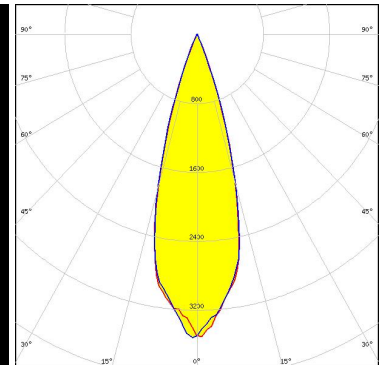
LED LUXEON Z ES
 FWHM / FWTM 30.0° / 46.0°
 Efficiency 86 %
 Peak intensity 3.3 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



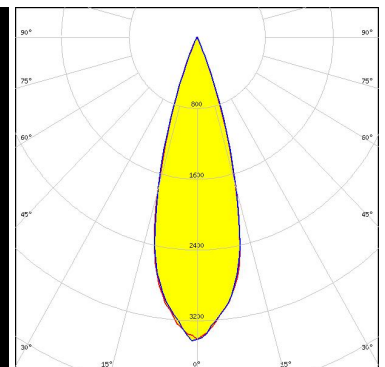
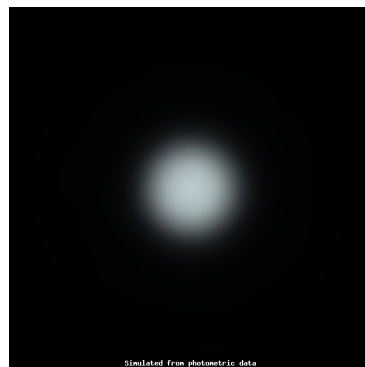
LED SFT-12R-W-A
 FWHM / FWTM 30.0° / 44.0°
 Efficiency 87 %
 Peak intensity 3.5 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED SFT-25R-W-A
 FWHM / FWTM 30.0° / 46.0°
 Efficiency 87 %
 Peak intensity 3.5 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:

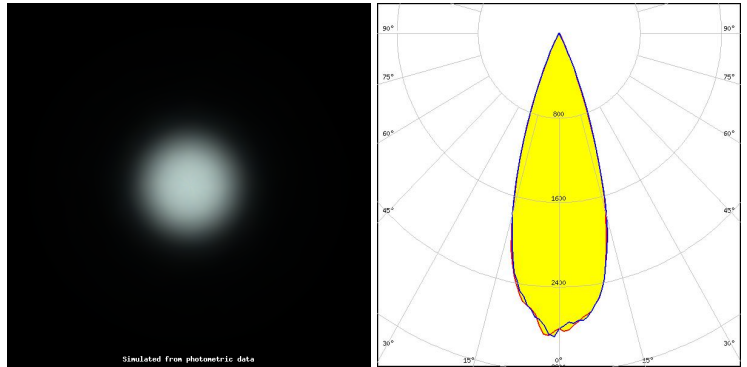


Light distribution files

OPTICAL RESULTS (SIMULATED):



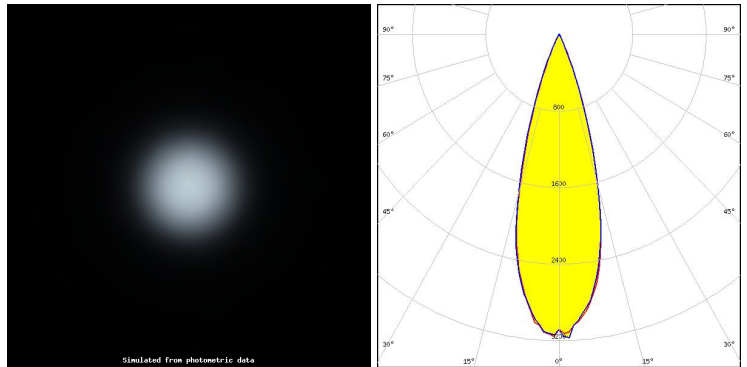
LED SFT-40 Gen2
 FWHM / FWTM 34.0° / 50.0°
 Efficiency 89 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



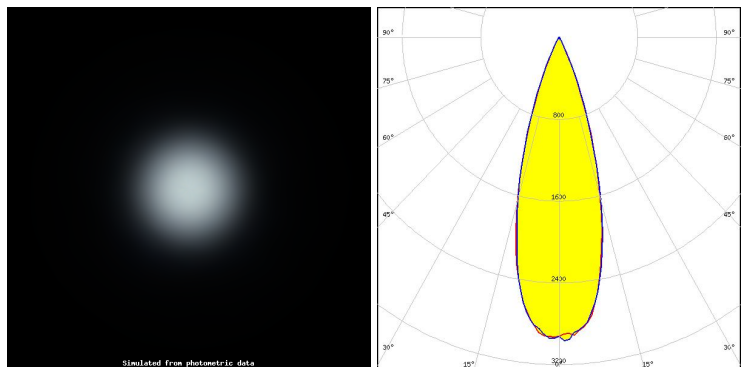
LED SST-20 Gen2
 FWHM / FWTM 30.0° / 48.0°
 Efficiency 85 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED SST-20F-W
 FWHM / FWTM 32.0° / 50.0°
 Efficiency 87 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

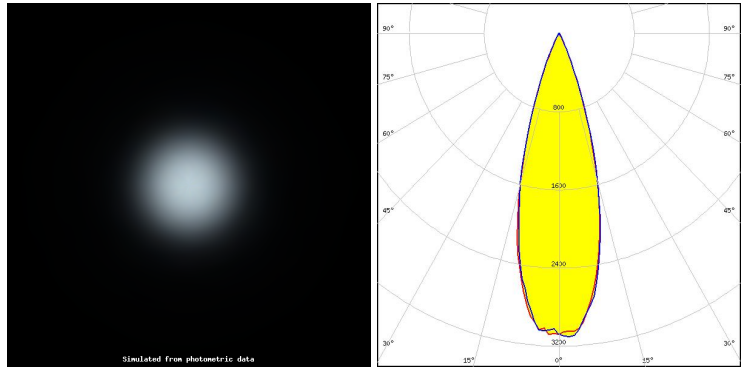


Light distribution files

OPTICAL RESULTS (SIMULATED):



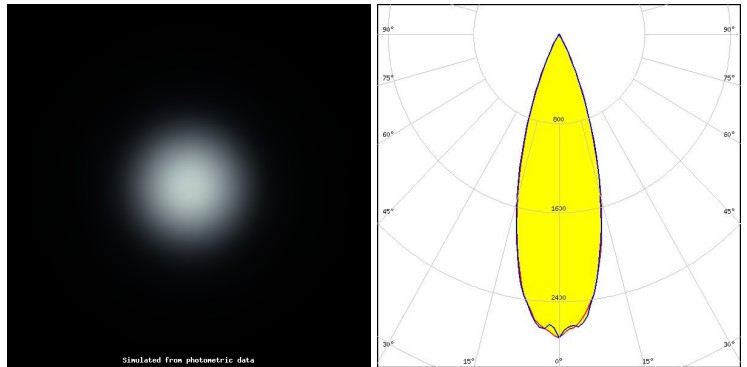
LED SST-25-W
 FWHM / FWTM 30.0° / 48.0°
 Efficiency 85 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



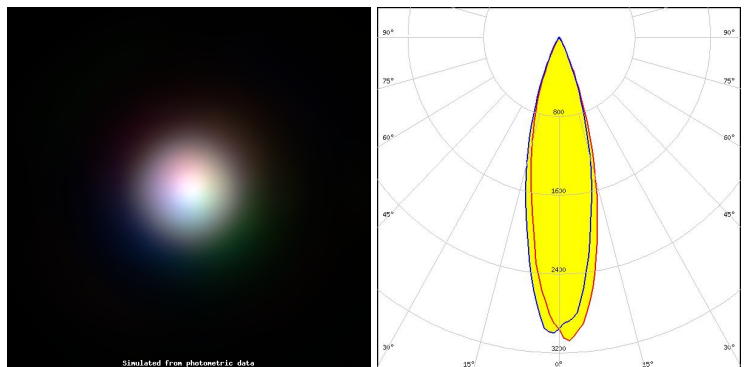
LED SST-36F-W
 FWHM / FWTM 32.0° / 53.0 + 54.0°
 Efficiency 85 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



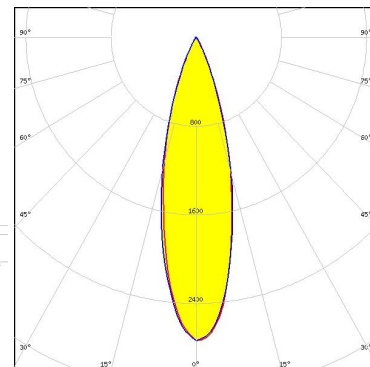
LED NCSxE17A
 FWHM / FWTM 26.0° / 49.0 + 50.0°
 Efficiency 77 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:



Light distribution files

Detector Image: Illuminance

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Light distribution files



Light distribution files

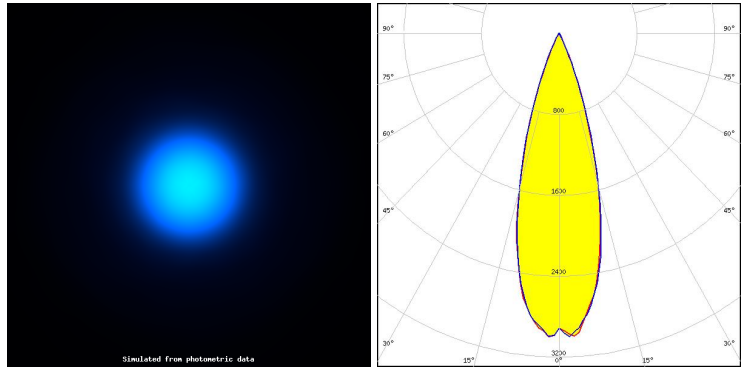


Light distribution files

OPTICAL RESULTS (SIMULATED):



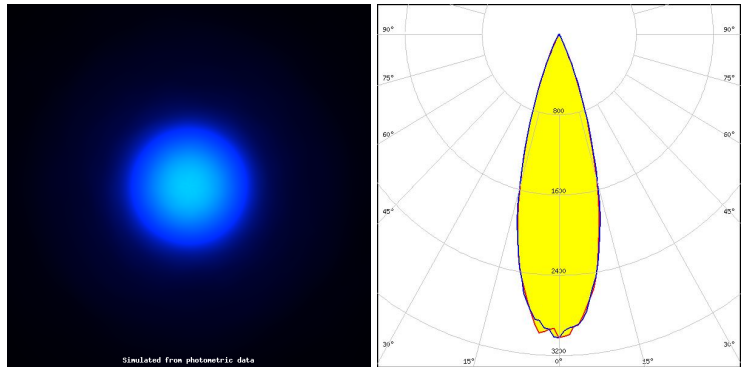
LED NVSB219GL-L1
 FWHM / FWTM 30.0° / 48.0°
 Efficiency 84 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour/type Blue
 Required components:



Light distribution files



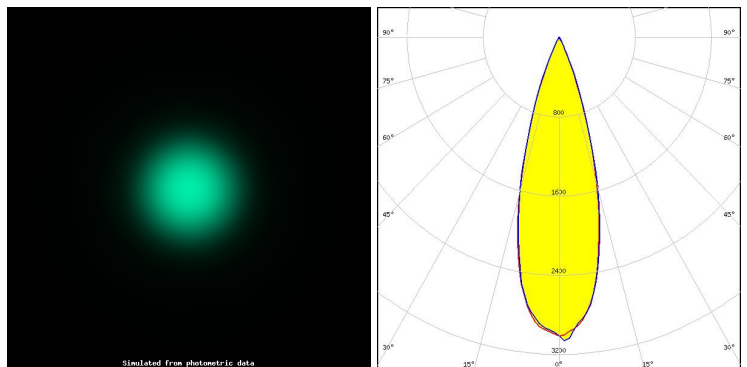
LED NVSC219GL-L1
 FWHM / FWTM 30.0° / 48.0°
 Efficiency 83 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour/type Royal Blue
 Required components:



Light distribution files



LED NVSE219GL-L1
 FWHM / FWTM 30.0° / 48.0°
 Efficiency 83 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour/type Cyan
 Required components:

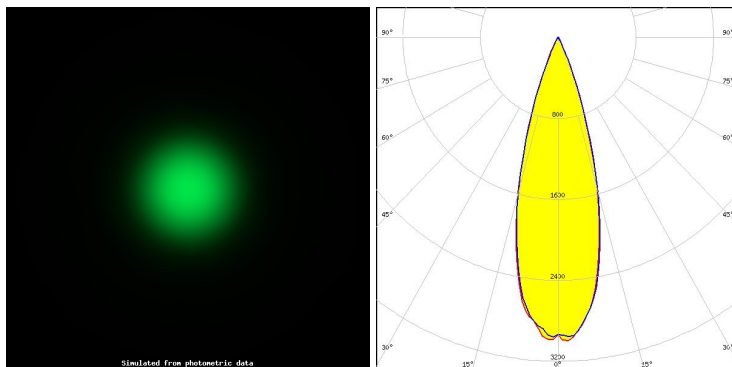


Light distribution files

OPTICAL RESULTS (SIMULATED):



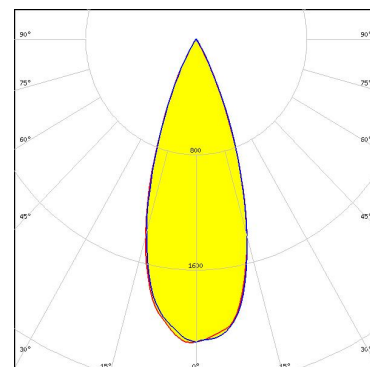
LED NVSG219GL-L1
 FWHM / FWTM 30.0 + 32.0° / 48.0°
 Efficiency 83 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour/type Green
 Required components:



Light distribution files



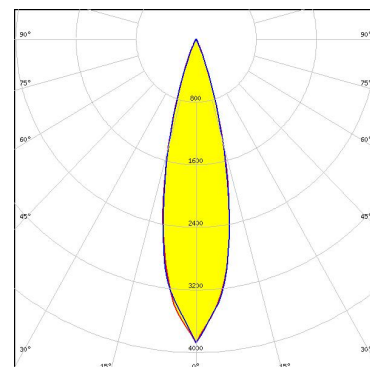
LED NVSW519A
 FWHM / FWTM 37.0° / 57.0°
 Efficiency 81 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSxE21A
 FWHM / FWTM 26.0° / 44.0°
 Efficiency 80 %
 Peak intensity 3.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

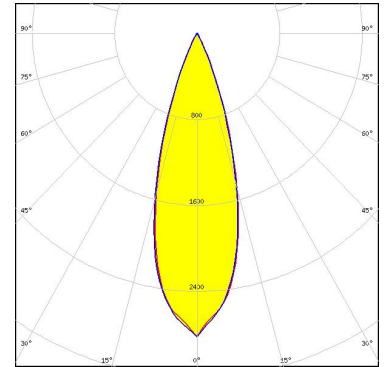


Light distribution files

OPTICAL RESULTS (SIMULATED):



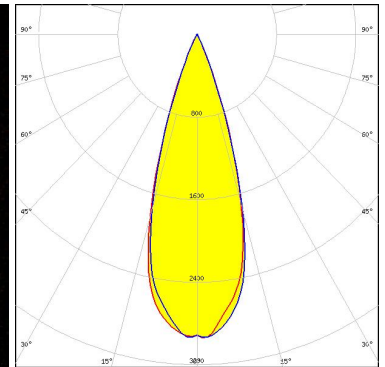
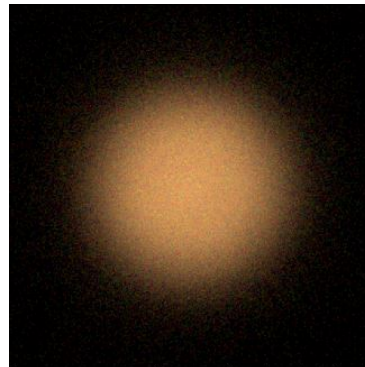
LED NVSxx19B/NVSxx19C
 FWHM / FWTM 32.0° / 50.0°
 Efficiency 82 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



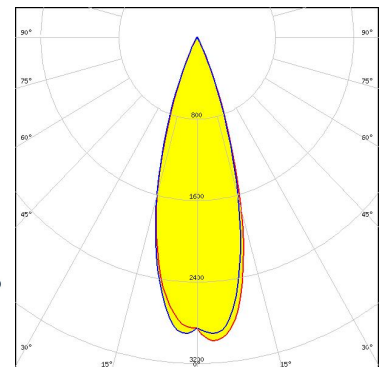
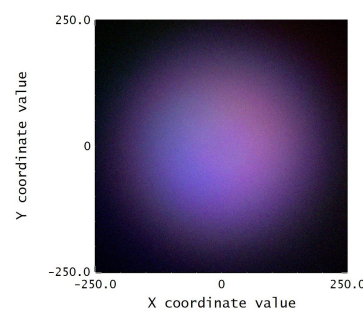
LED OSOLON SSL 150
 FWHM / FWTM 33.0° / 48.0°
 Efficiency 86 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED OSTAR Stage (S2WM)
 FWHM / FWTM 32.0° / 50.0°
 Efficiency 86 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

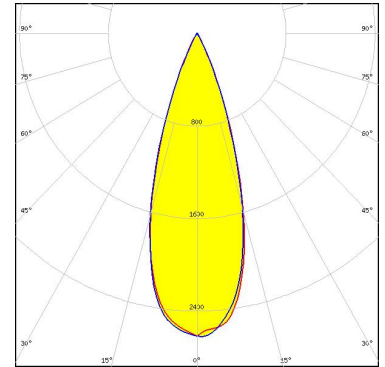


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

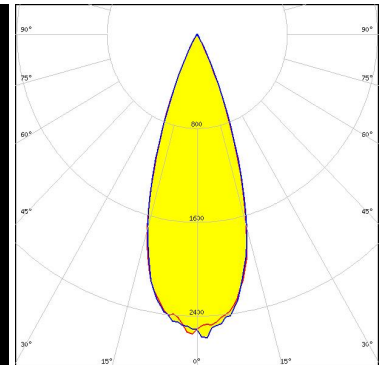
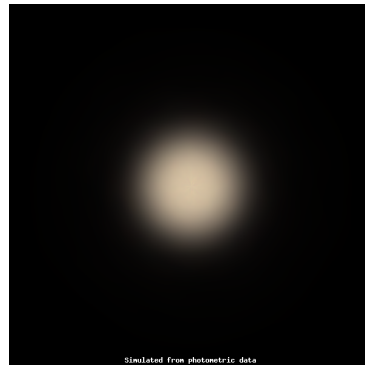
LED	LH351B
FWHM / FWTM	34.0° / 52.0°
Efficiency	86 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



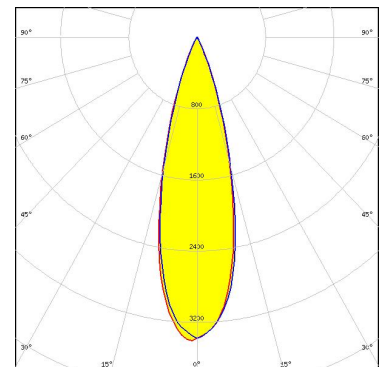
LED	Z5M3-E1
FWHM / FWTM	36.0° / 53.0° + 54.0°
Efficiency	89 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



LED	Z5M4
FWHM / FWTM	28.0° / 48.0°
Efficiency	85 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

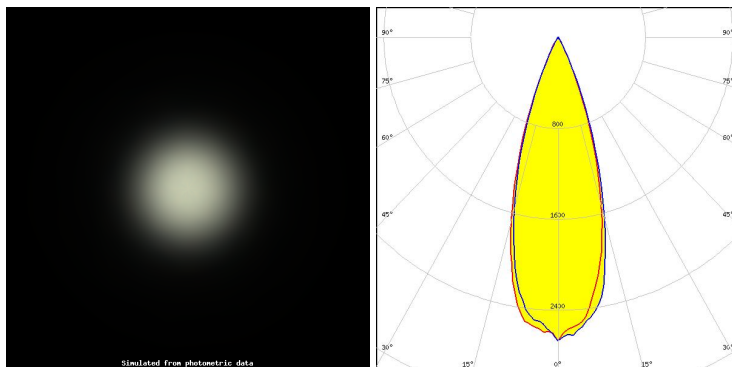


Light distribution files

OPTICAL RESULTS (SIMULATED):



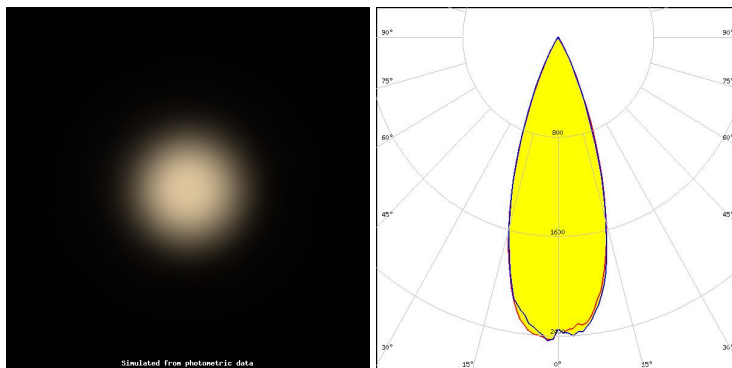
LED Z5M4-E1
 FWHM / FWTM 33.0 + 34.0° / 52.0°
 Efficiency 87 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED Z5M4-E2
 FWHM / FWTM 36.0° / 56.0 + 55.0°
 Efficiency 88 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 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:

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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

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