

LEILA-Y-W

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

SPECIFICATION:

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

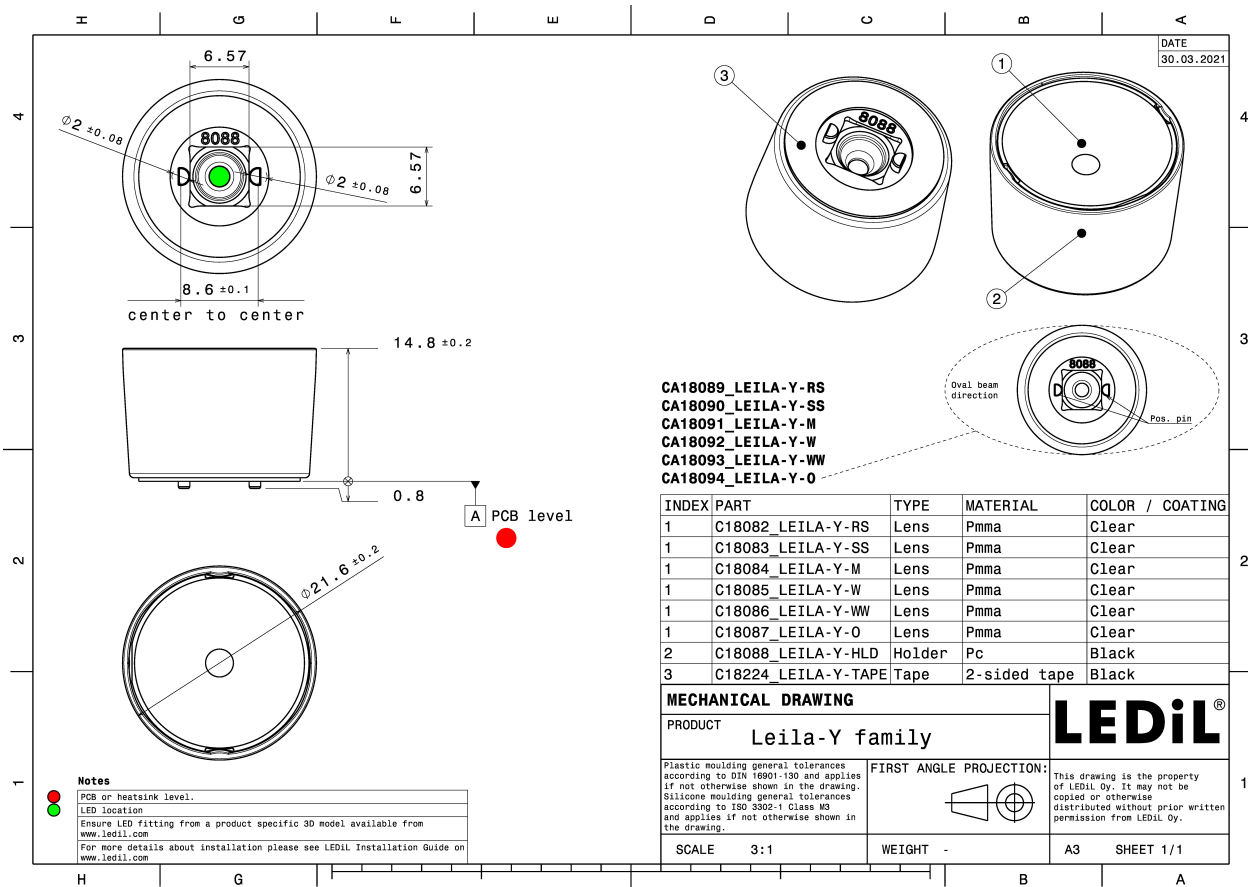


MATERIALS:

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

ORDERING INFORMATION:

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

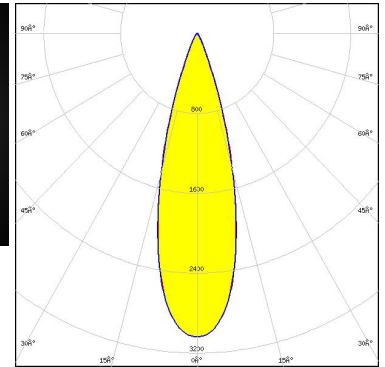
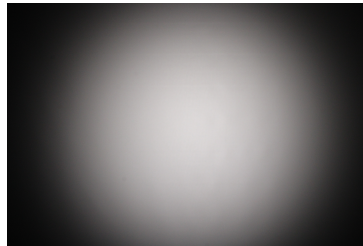


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



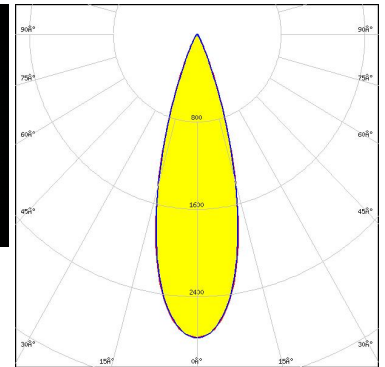
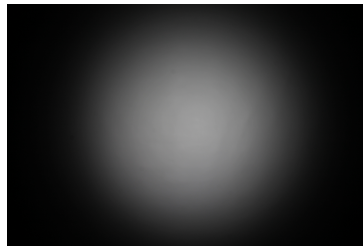
LED XHP35 HI
FWHM / FWTM 29.0° / 48.0°
Efficiency 83 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



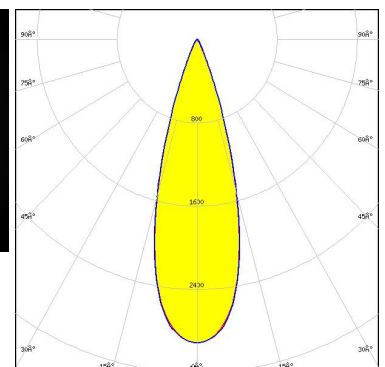
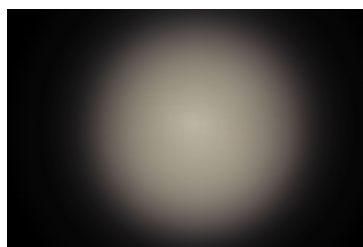
LED XP-G3
FWHM / FWTM 31.0° / 49.0°
Efficiency 81 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



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:

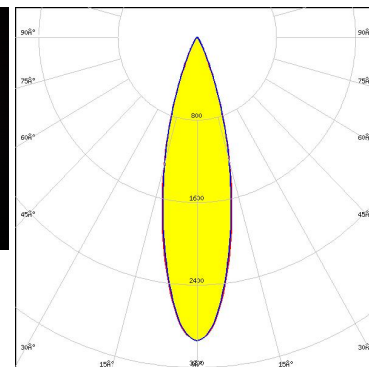
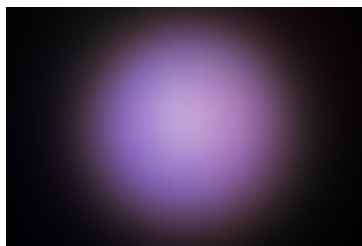


Light distribution files

OPTICAL RESULTS (MEASURED):



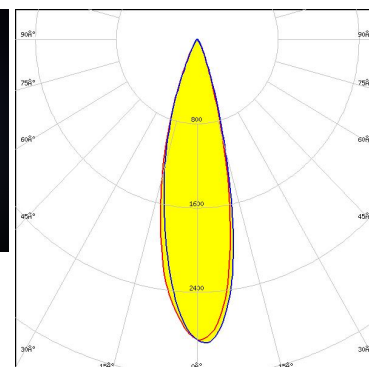
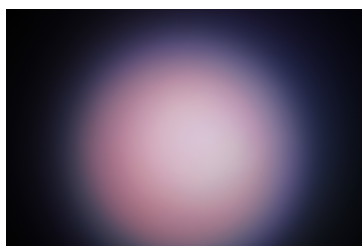
LED XP-L RGBW HD
 FWHM / FWTM 27.0° / 50.0°
 Efficiency 79 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



Light distribution files



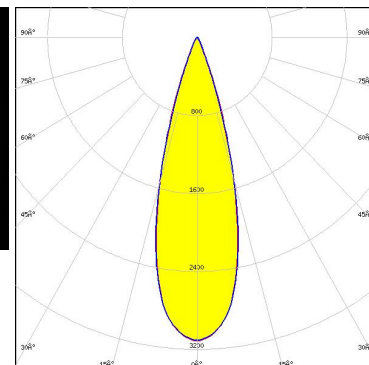
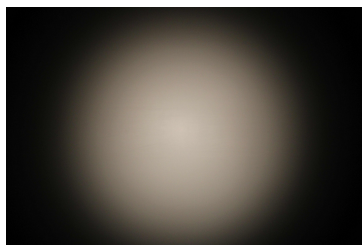
LED XP-L RGBW HI
 FWHM / FWTM 26.0° / 47.0°
 Efficiency 72 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



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:

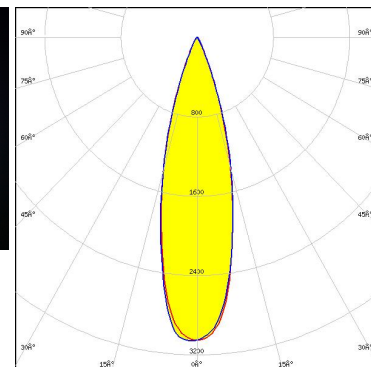
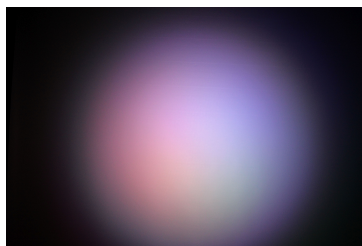


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

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

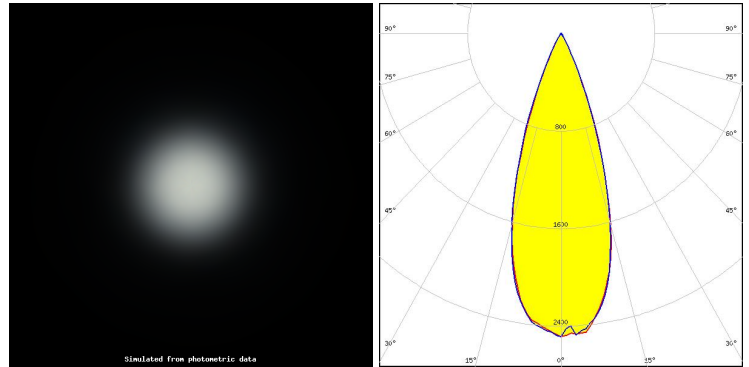


Light distribution files

OPTICAL RESULTS (SIMULATED):



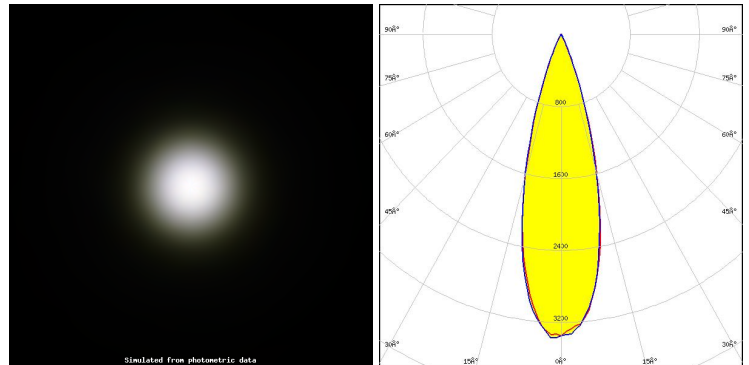
LED SMD 3535 BXEX-XXX-11H-3B1
 FWHM / FWTM 36.0° / 54.0°
 Efficiency 87 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



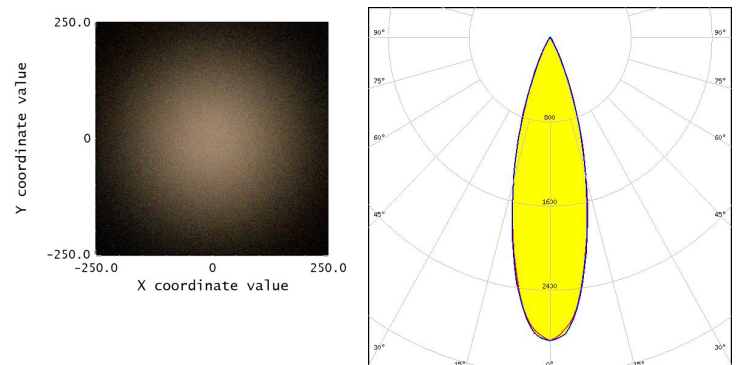
LED J Series 3030C
 FWHM / FWTM 29.0 + 28.0° / 46.0°
 Efficiency 85 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



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:

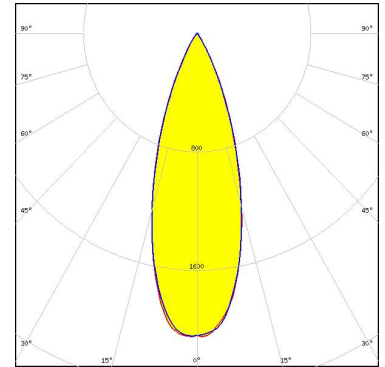


Light distribution files

OPTICAL RESULTS (SIMULATED):



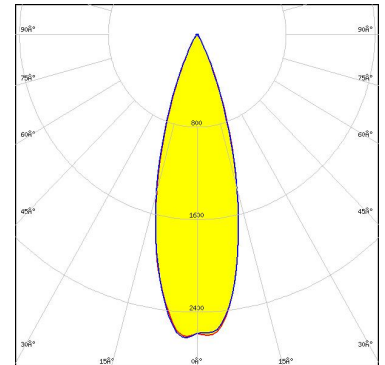
LED XHP35.2 HD
FWHM / FWTM 34.0° / 58.0°
Efficiency 77 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



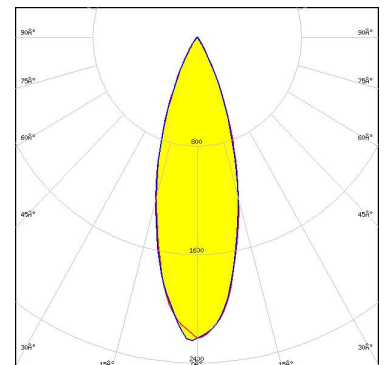
LED XHP35.2 HI
FWHM / FWTM 32.0° / 52.0°
Efficiency 83 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



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

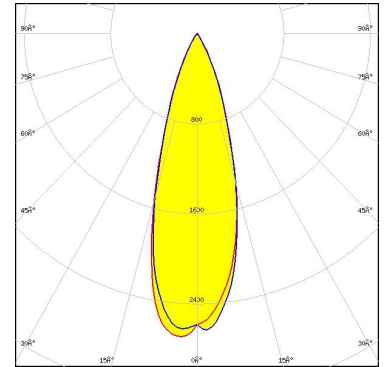


Light distribution files

OPTICAL RESULTS (SIMULATED):



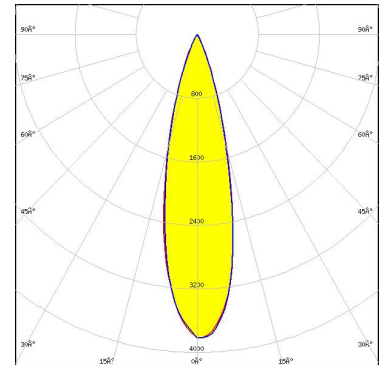
LED XM-L RGBW (XMLDCL HD)
 FWHM / FWTM 31.0° / 56.0°
 Efficiency 89 %
 Peak intensity 2.8 cd/Im
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



Light distribution files



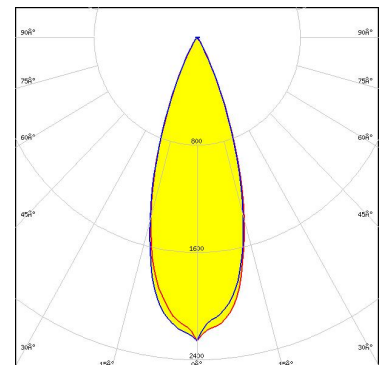
LED XM-L RGBW (XMLDCL HI)
 FWHM / FWTM 26.0° / 46.0°
 Efficiency 87 %
 Peak intensity 3.8 cd/Im
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



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:

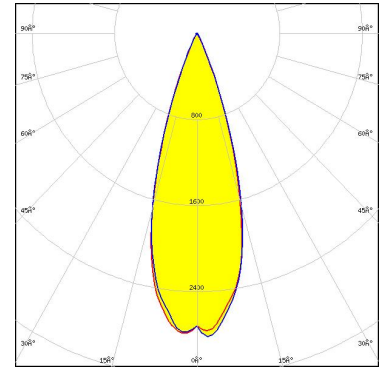


Light distribution files

OPTICAL RESULTS (SIMULATED):



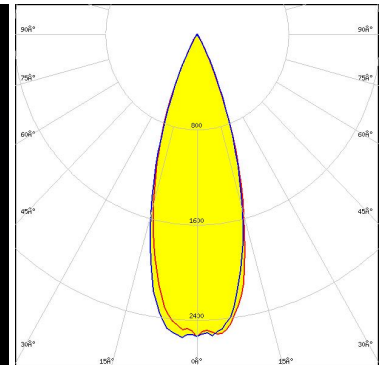
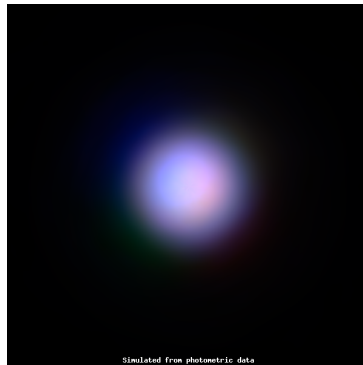
LED XP-G4 HI
FWHM / FWTM 32.0° / 50.0°
Efficiency 85 %
Peak intensity 2.9 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



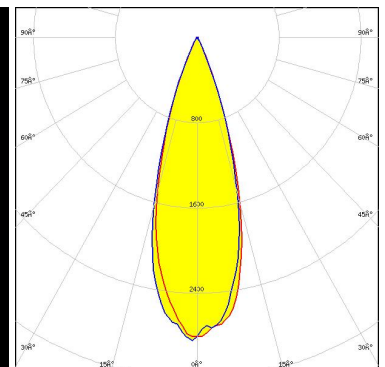
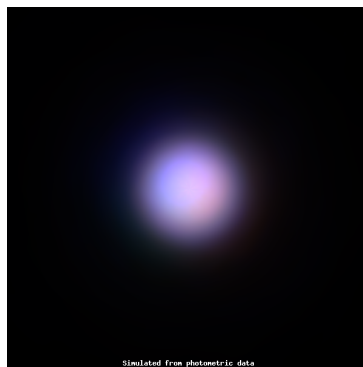
LED XP-L RGBW HD
FWHM / FWTM 34.0° / 54.0°
Efficiency 87 %
Peak intensity 2.6 cd/Im
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files



LED XP-L RGBW HI
FWHM / FWTM 32.0° / 50.0°
Efficiency 84 %
Peak intensity 2.9 cd/Im
LEDs/each optic 1
Light colour/type RGBW
Required components:

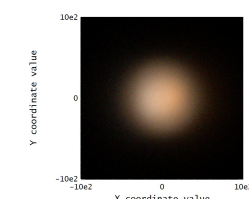


Light distribution files

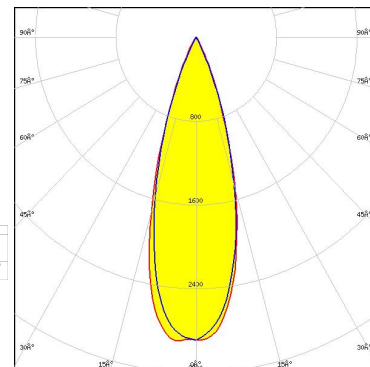
OPTICAL RESULTS (SIMULATED):



LED XQ-E HD
FWHM / FWTM 31.0° / 52.0° + 50.0°
Efficiency 87 %
Peak intensity 2.9 cd/lm
LEDs/each optic 2
Light colour/type White
Required components:



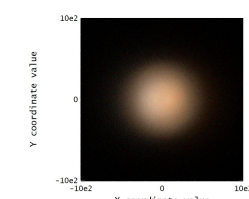
Detector Image: Illuminance	
20.2.2024	Zemax
Simulation: 11, 1102, Surface 1: 100mm	Zemax OptiCAD 21.3
Size: 200,000 x 1,000,000 x 1,000,000 mm, 1000,000 x 1,000,000 mm, 1000,000 x 1,000,000 mm, 1000,000 x 1,000,000 mm, 1000,000 x 1,000,000 mm	
Max. Illuminance: 1,000,000 cd/m²	
Total Power: 1,000,000 W	



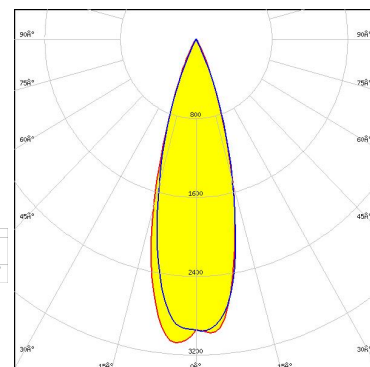
Light distribution files



LED XQ-E HI
FWHM / FWTM 31.0° + 30.0° / 50.0° + 48.0°
Efficiency 85 %
Peak intensity 3.1 cd/lm
LEDs/each optic 2
Light colour/type White
Required components:



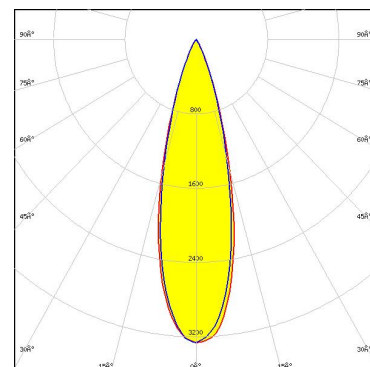
Detector Image: Illuminance	
20.2.2024	Zemax
Simulation: 11, 1102, Surface 1: 100mm	Zemax OptiCAD 21.3
Size: 200,000 x 1,000,000 x 1,000,000 mm, 1000,000 x 1,000,000 mm, 1000,000 x 1,000,000 mm, 1000,000 x 1,000,000 mm, 1000,000 x 1,000,000 mm	
Max. Illuminance: 1,000,000 cd/m²	
Total Power: 1,000,000 W	



Light distribution files



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:

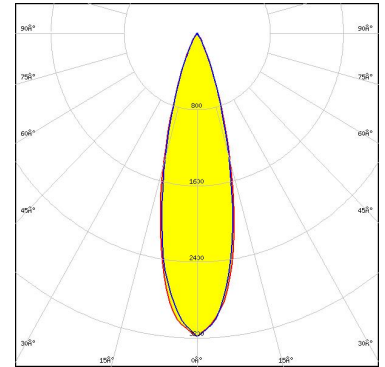


Light distribution files

OPTICAL RESULTS (SIMULATED):



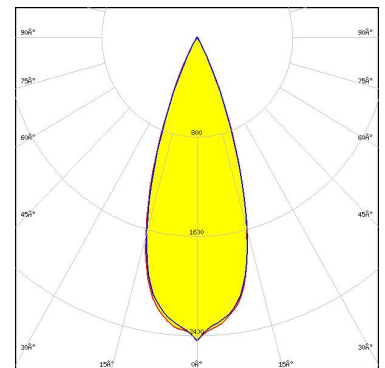
LED	LUXEON 5050 Square LES
FWHM / FWTM	28.0° / 50.0°
Efficiency	83 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



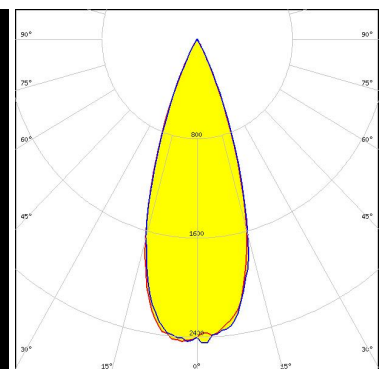
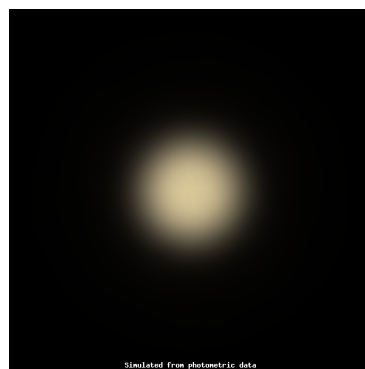
LED	LUXEON HL2X
FWHM / FWTM	36.0° / 54.0°
Efficiency	87 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



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

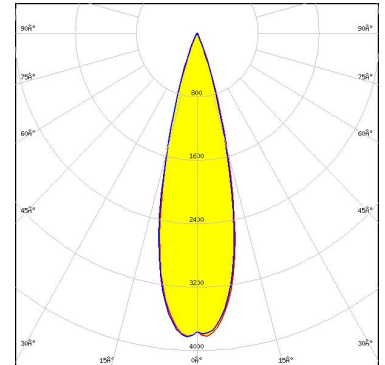
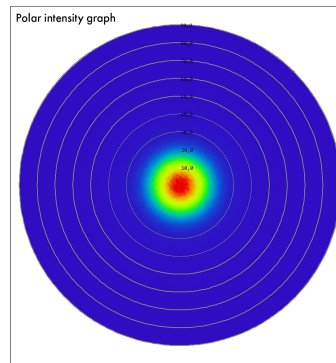


Light distribution files

OPTICAL RESULTS (SIMULATED):



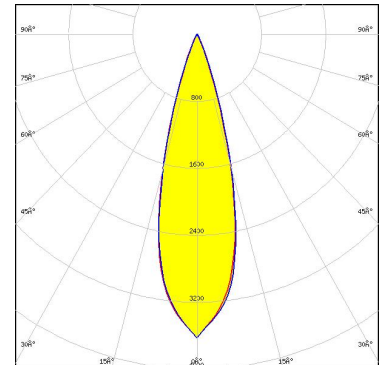
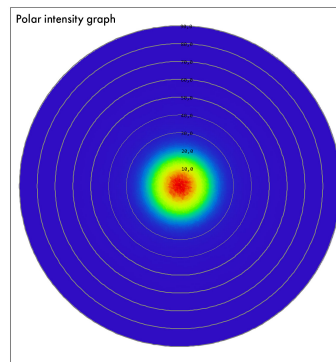
LED LUXEON IR domed 50 (L110-0xxx050200000)
 FWHM / FWTM 27.0° / 43.0°
 Efficiency 85 %
 LEDs/each optic 1
 Light colour/type IR
 Required components:



Light distribution files



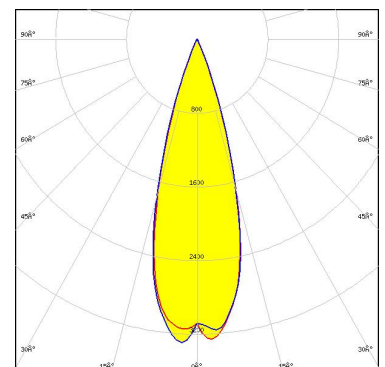
LED LUXEON IR domed 60 (L110-0xxx060200000)
 FWHM / FWTM 28.0° / 44.0°
 Efficiency 85 %
 LEDs/each optic 1
 Light colour/type IR
 Required components:



Light distribution files



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

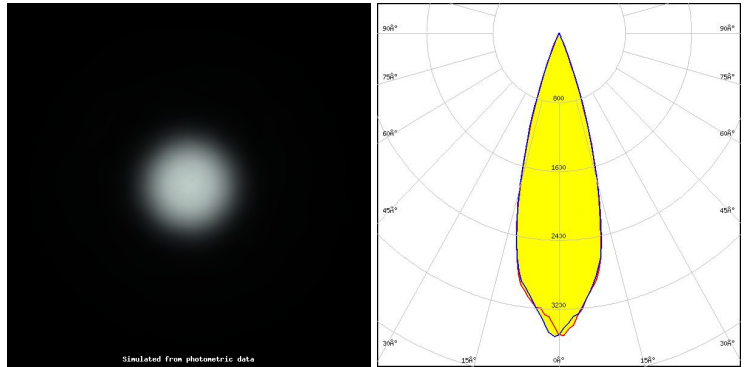


Light distribution files

OPTICAL RESULTS (SIMULATED):



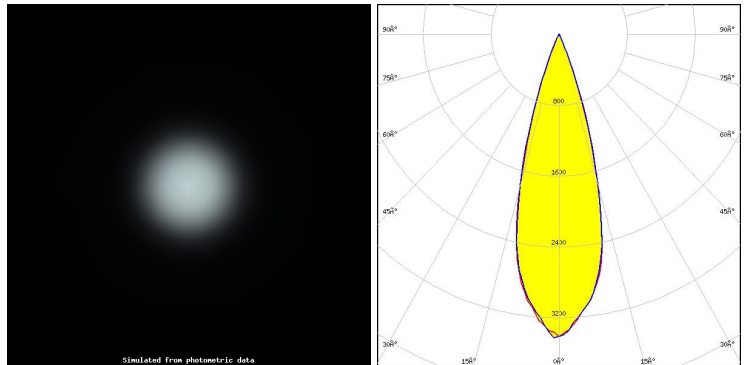
LED SFT-12R-W-A
 FWHM / FWTM 30.0° / 44.0°
 Efficiency 87 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



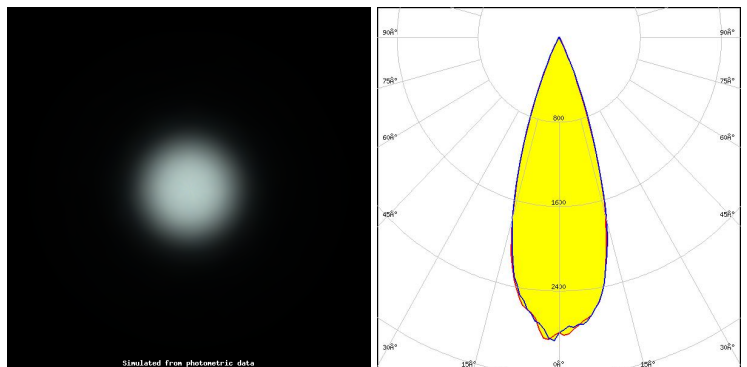
LED SFT-25R-W-A
 FWHM / FWTM 30.0° / 46.0°
 Efficiency 87 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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:

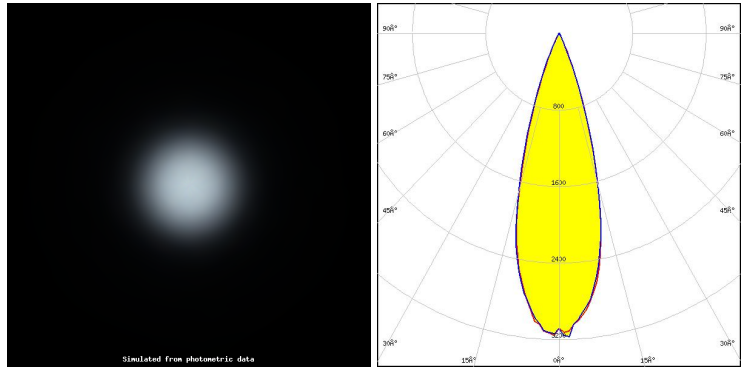


Light distribution files

OPTICAL RESULTS (SIMULATED):



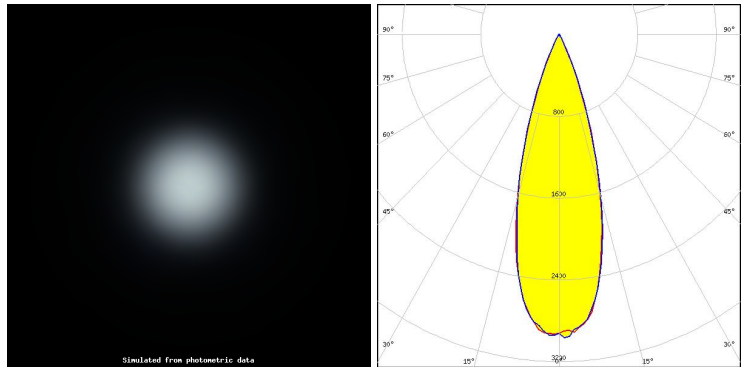
LED SST-20 Gen2
 FWHM / FWTM 30.0° / 48.0°
 Efficiency 85 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



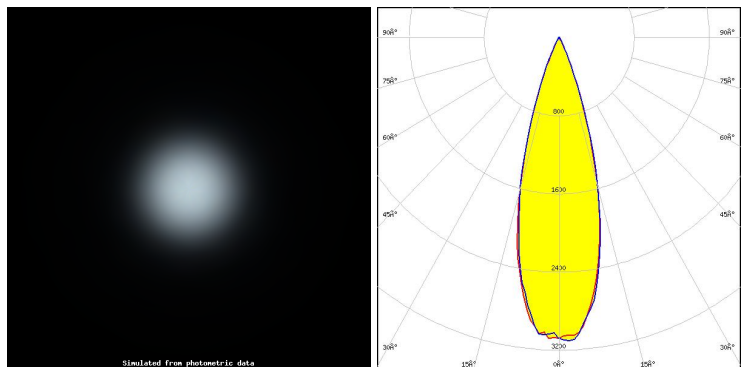
LED SST-20F-W
 FWHM / FWTM 32.0° / 50.0°
 Efficiency 87 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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:

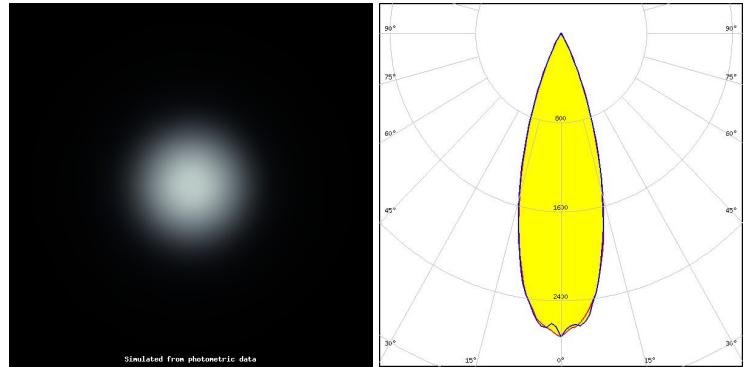


Light distribution files

OPTICAL RESULTS (SIMULATED):



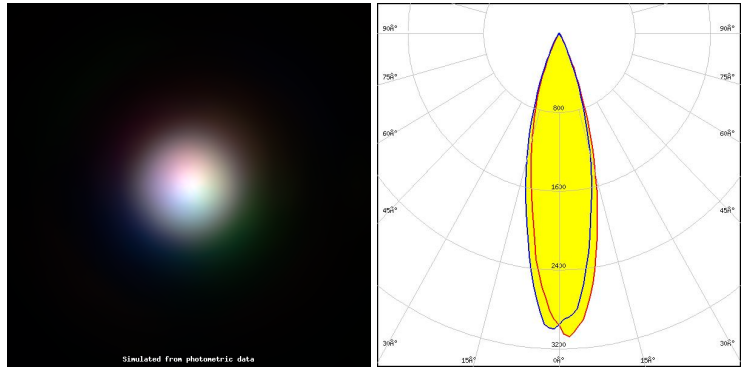
LED SST-36F-W
FWHM / FWTM 32.0° / 53.0 + 54.0°
Efficiency 85 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



OPTICAL RESULTS (SIMULATED):



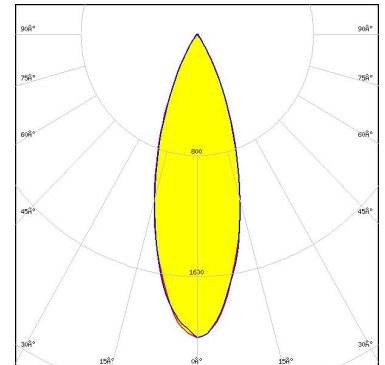
LED NCSxE17A
 FWHM / FWTM 26.0° / 49.0 + 50.0°
 Efficiency 77 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:



Light distribution files



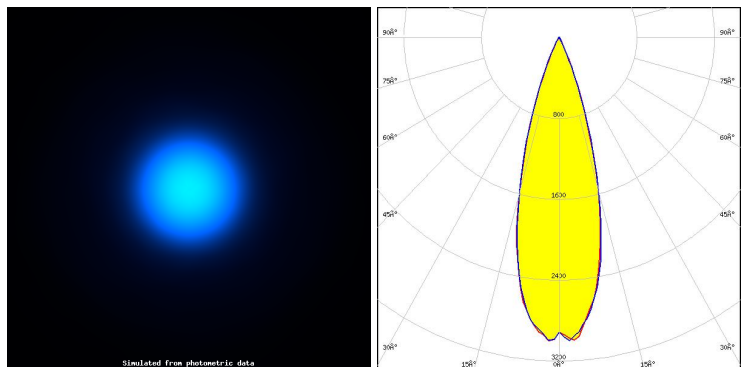
LED NV4x144A
 FWHM / FWTM 34.0° / 60.0°
 Efficiency 76 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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:

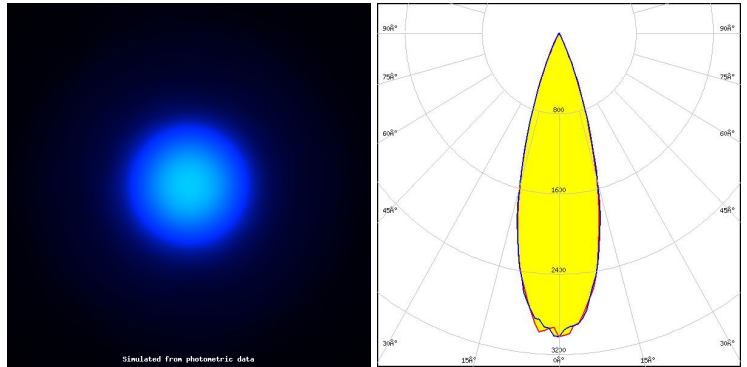


Light distribution files

OPTICAL RESULTS (SIMULATED):



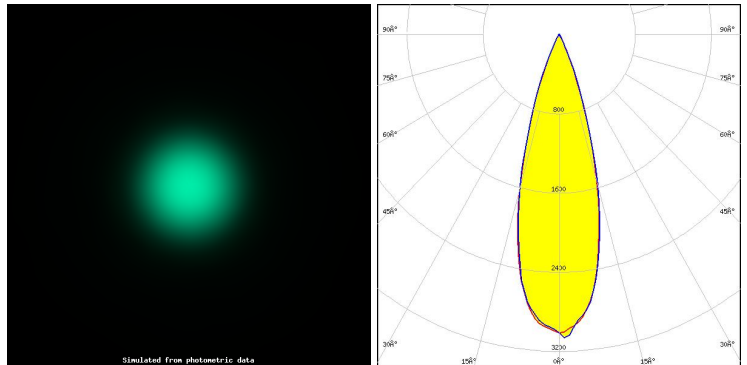
LED NVSC219GL-L1
 FWHM / FWTM 30.0° / 48.0°
 Efficiency 83 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour/type Royal Blue
 Required components:



Light distribution files



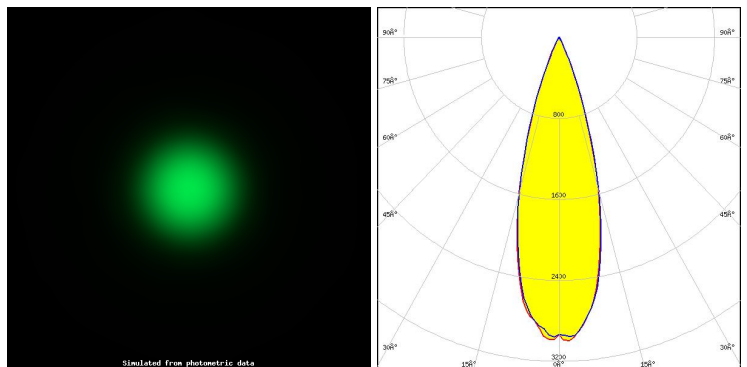
LED NVSE219GL-L1
 FWHM / FWTM 30.0° / 48.0°
 Efficiency 83 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour/type Cyan
 Required components:



Light distribution files



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:

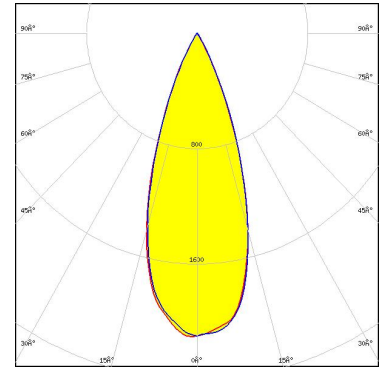


Light distribution files

OPTICAL RESULTS (SIMULATED):



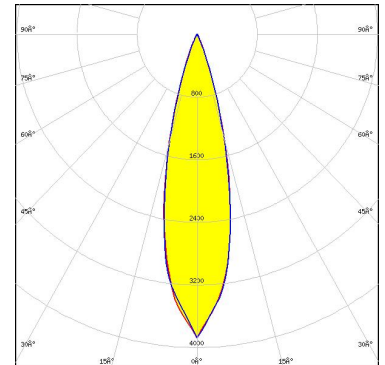
LED NVSW519A
 FWHM / FWTM 37.0° / 57.0°
 Efficiency 81 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



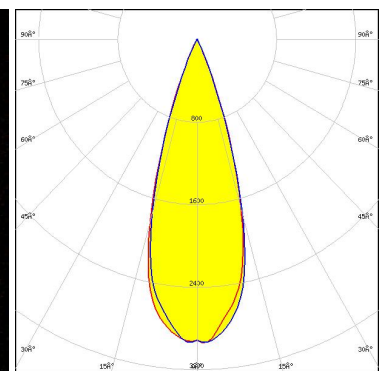
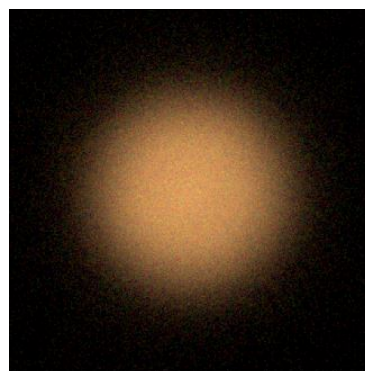
LED NVSxE21A
 FWHM / FWTM 26.0° / 44.0°
 Efficiency 80 %
 Peak intensity 3.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED OSLOM 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:

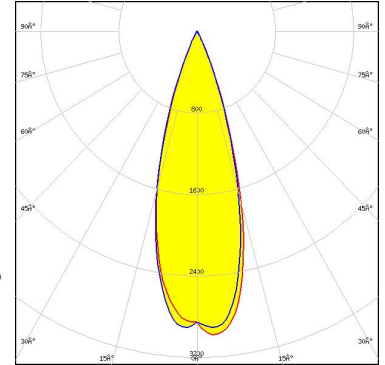
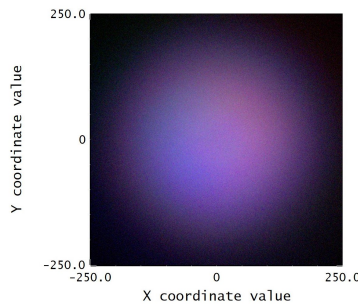


Light distribution files

OPTICAL RESULTS (SIMULATED):



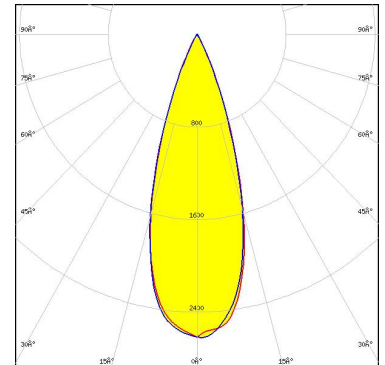
LED: OSTAR Stage (S2WM)
 FWHM / FWTM: 32.0° / 50.0°
 Efficiency: 86 %
 Peak intensity: 3 cd/lm
 LEDs/each optic: 1
 Light colour/type: White
 Required components:



Light distribution files



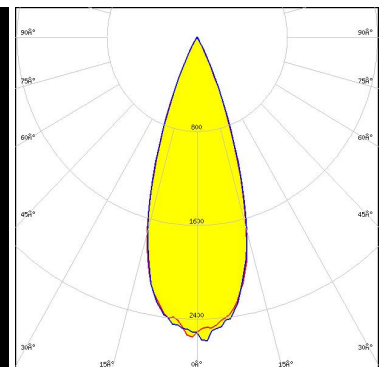
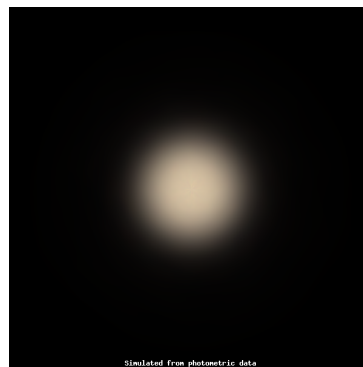
LED: LH351B
 FWHM / FWTM: 34.0° / 52.0°
 Efficiency: 86 %
 Peak intensity: 2.6 cd/lm
 LEDs/each optic: 1
 Light colour/type: White
 Required components:



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

OPTICAL RESULTS (SIMULATED):



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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