

LEILA-Y-M

~25° medium 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 ⓘ

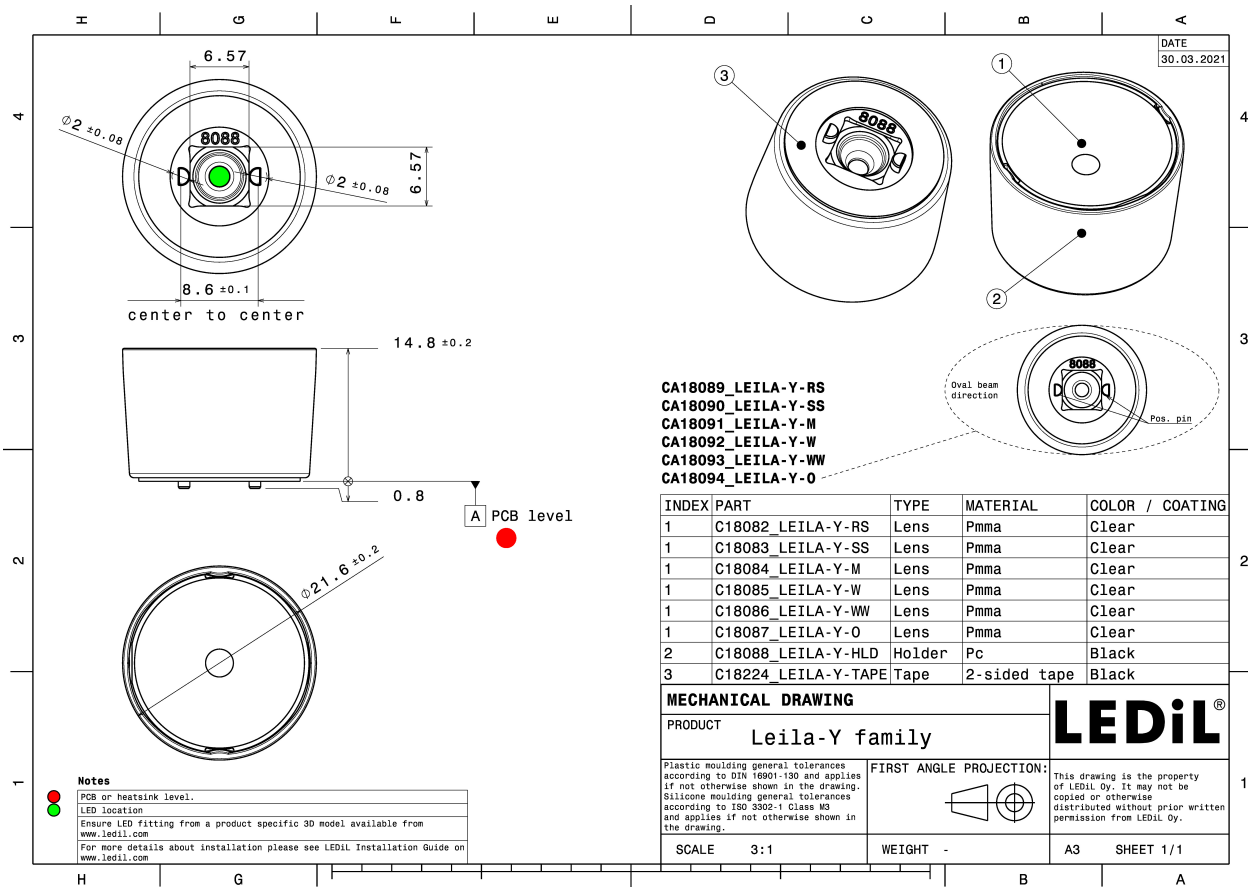


MATERIALS:

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

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA18091_LEILA-Y-M » Box size: 476 x 273 x 197 mm	1800	180	180	6.7

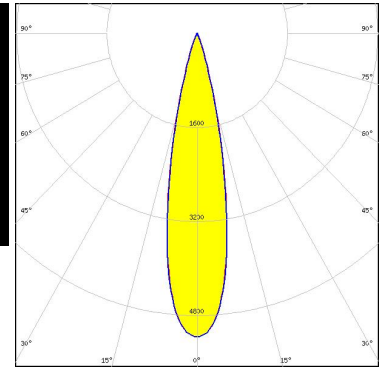


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



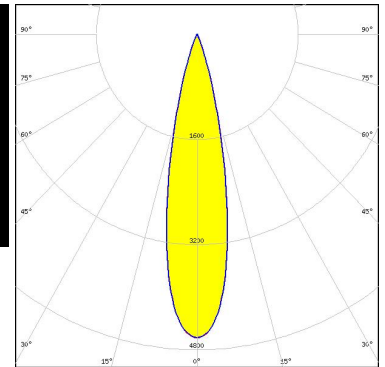
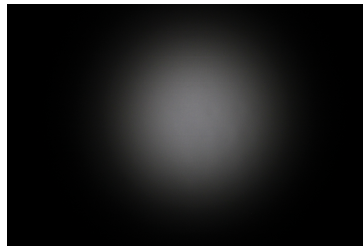
LED XHP35 HI
FWHM / FWTM 22.0° / 37.0°
Efficiency 83 %
Peak intensity 5.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



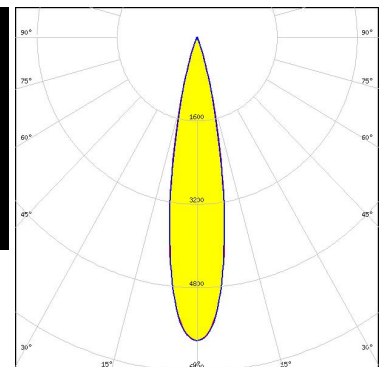
LED XP-G3
FWHM / FWTM 23.0° / 39.0°
Efficiency 78 %
Peak intensity 4.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G4
FWHM / FWTM 21.0° / 36.0°
Efficiency 85 %
Peak intensity 5.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

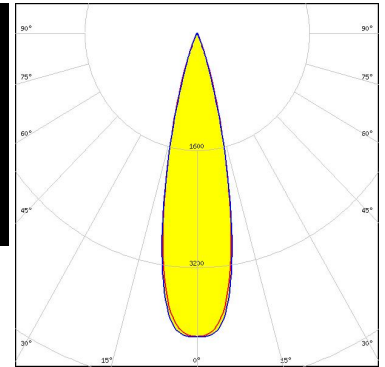
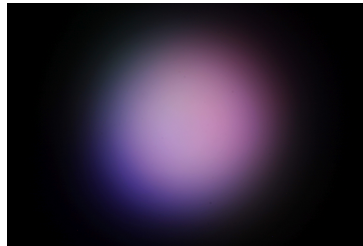


Light distribution files

OPTICAL RESULTS (MEASURED):



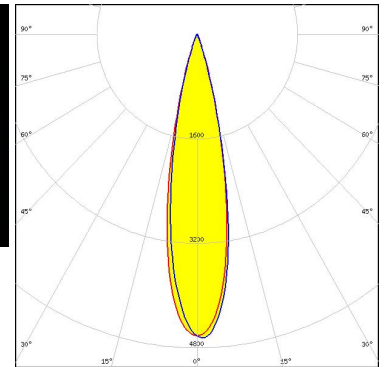
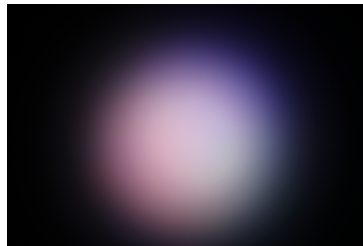
LED XP-L RGBW HD
FWHM / FWTM 25.0° / 40.0°
Efficiency 82 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files



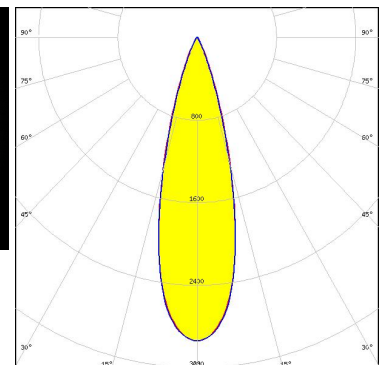
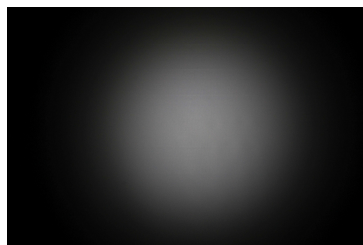
LED XP-L RGBW HI Blend
FWHM / FWTM 22.0° / 38.0°
Efficiency 75 %
Peak intensity 4.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON 5050 Round LES
FWHM / FWTM 28.0° / 48.0°
Efficiency 77 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

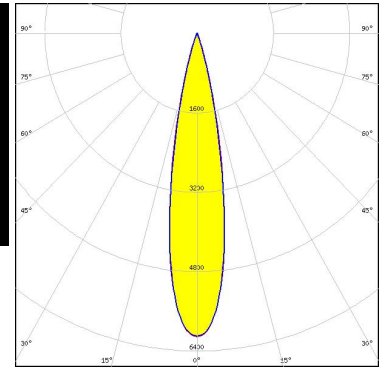


Light distribution files

OPTICAL RESULTS (MEASURED):



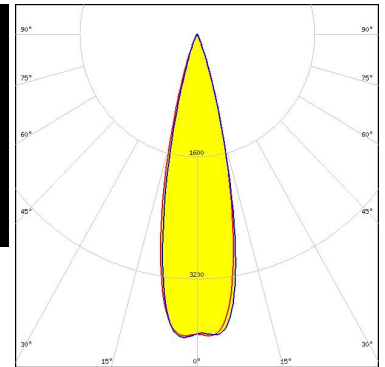
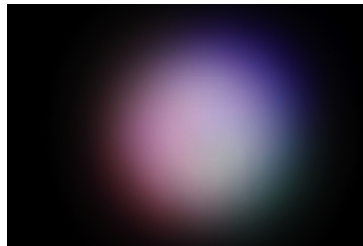
LED NVSW719AC
 FWHM / FWTM 21.0° / 35.0°
 Efficiency 85 %
 Peak intensity 6.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED OSLO Pure 1414
 FWHM / FWTM 25.0° / 40.0°
 Efficiency 81 %
 Peak intensity 4.1 cd/lm
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:

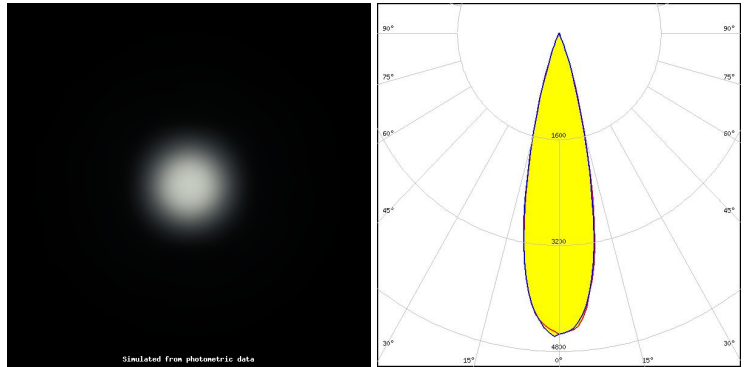


Light distribution files

OPTICAL RESULTS (SIMULATED):



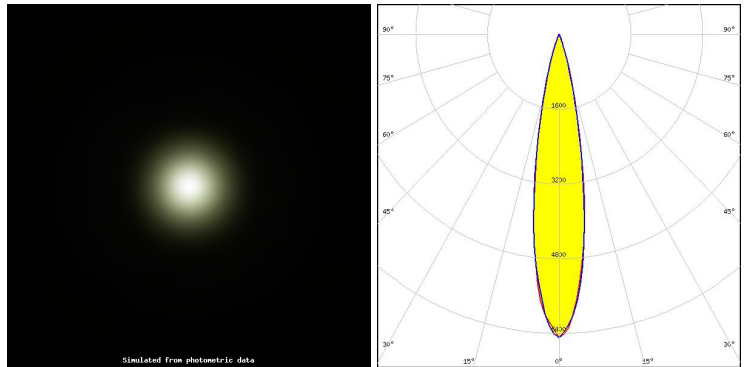
LED Bridgelux SMD 3535 (3B1)
 FWHM / FWTM 26.0° / 40.0°
 Efficiency 88 %
 Peak intensity 4.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



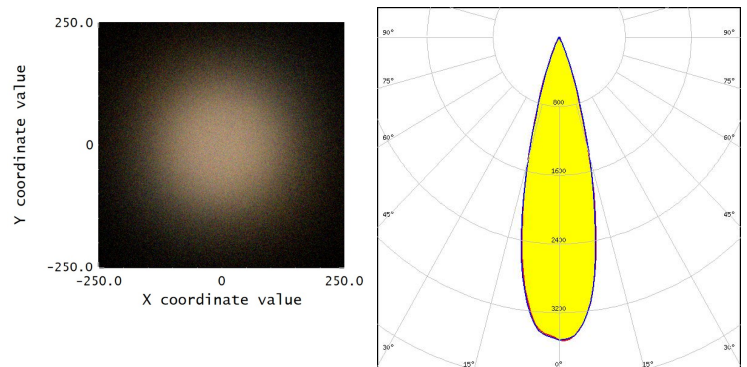
LED J Series 3030C
 FWHM / FWTM 20.0° / 36.0°
 Efficiency 86 %
 Peak intensity 6.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XD16
 FWHM / FWTM 26.0° / 44.0°
 Efficiency 83 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 4
 Light colour/type Tunable White
 Required components:

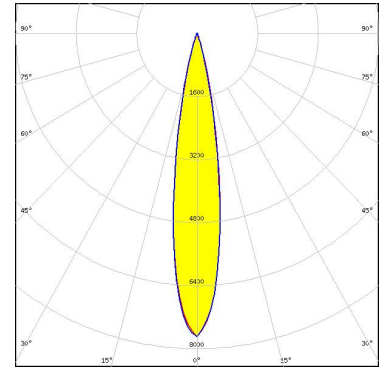


Light distribution files

OPTICAL RESULTS (SIMULATED):



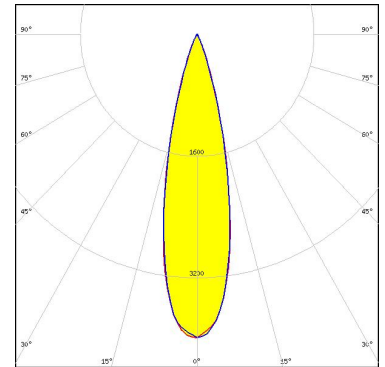
LED XE-G
FWHM / FWTM 18.0° / 32.0°
Efficiency 88 %
Peak intensity 7.7 cd/lm
LEDs/each optic 1
Light colour/type Royal Blue
Required components:



Light distribution files



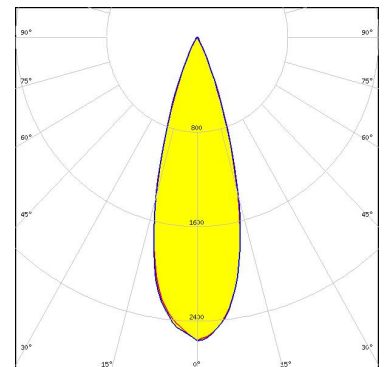
LED XHP35.2 HI
FWHM / FWTM 25.0° / 42.0°
Efficiency 83 %
Peak intensity 4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XHP50
FWHM / FWTM 32.0° / 50.0°
Efficiency 80 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

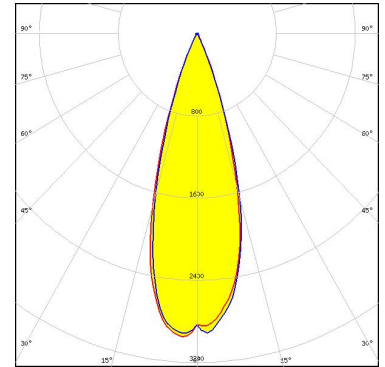


Light distribution files

OPTICAL RESULTS (SIMULATED):



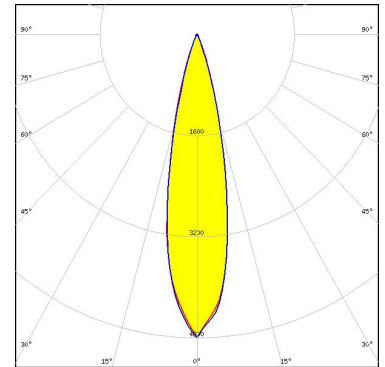
LED XM-L RGBW (XMLDCL HD)
 FWHM / FWTM 32.0° / 48.0°
 Efficiency 89 %
 Peak intensity 3 cd/Im
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



Light distribution files



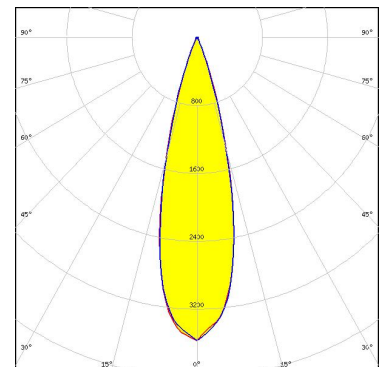
LED XM-L RGBW (XMLDCL HI)
 FWHM / FWTM 23.0° / 40.0°
 Efficiency 87 %
 Peak intensity 4.8 cd/Im
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



Light distribution files



LED XM-L3
 FWHM / FWTM 28.0° / 44.0°
 Efficiency 83 %
 Peak intensity 3.6 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:

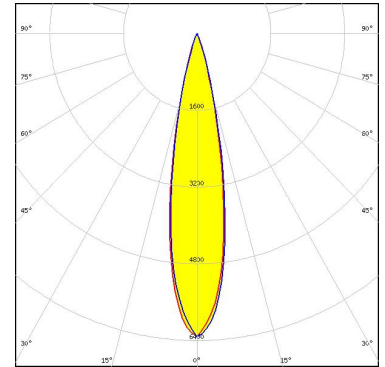


Light distribution files

OPTICAL RESULTS (SIMULATED):



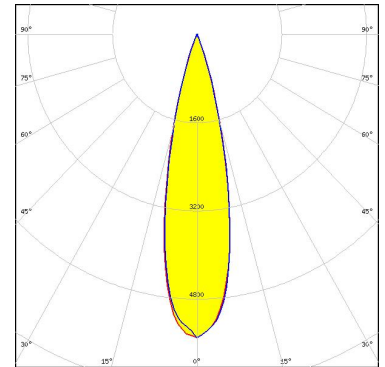
LED XP-G2
 FWHM / FWTM 21.0° / 36.0°
 Efficiency 87 %
 Peak intensity 6.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



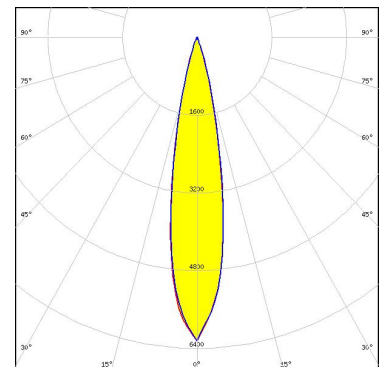
LED XP-G3
 FWHM / FWTM 24.0° / 39.0°
 Efficiency 83 %
 Peak intensity 4.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-G4 HI
 FWHM / FWTM 20.0° / 36.0°
 Efficiency 86 %
 Peak intensity 6.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

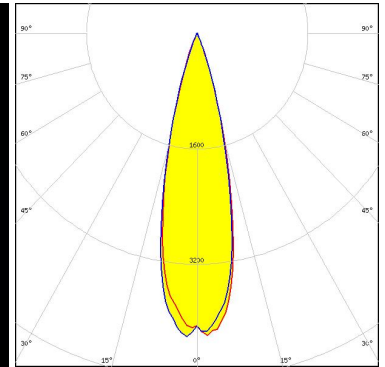
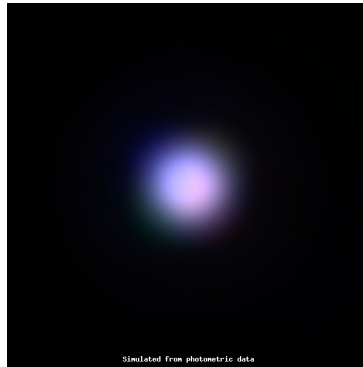


Light distribution files

OPTICAL RESULTS (SIMULATED):



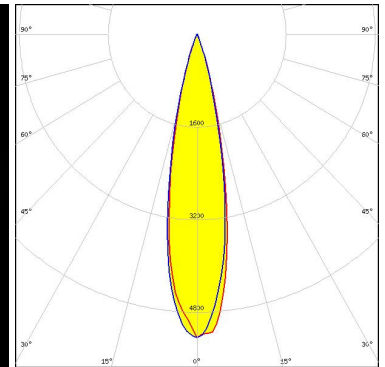
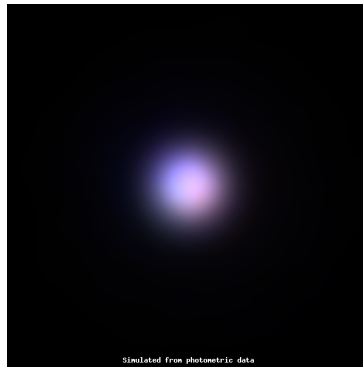
LED XP-L RGBW HD
FWHM / FWTM 26.0° / 42.0°
Efficiency 86 %
Peak intensity 4.3 cd/Im
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files



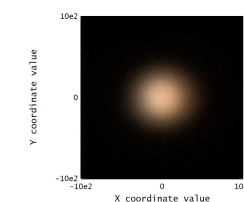
LED XP-L RGBW HI Blend
FWHM / FWTM 22.0° / 38.0°
Efficiency 84 %
Peak intensity 5.3 cd/Im
LEDs/each optic 1
Light colour/type RGBW
Required components:



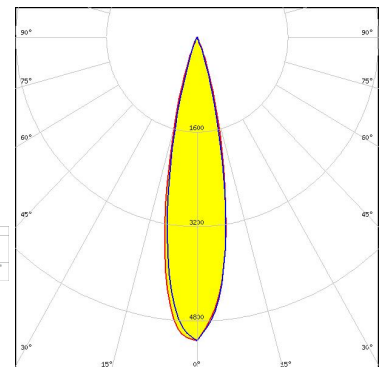
Light distribution files



LED XQ-E HD
FWHM / FWTM 23.0 + 22.0° / 40.0 + 38.0°
Efficiency 87 %
Peak intensity 5.1 cd/Im
LEDs/each optic 2
Light colour/type White
Required components:



20.2.2024	Detector Image: Illuminance	Zemax
20.2.2024	20.2.2024	Zemax OpticStudio 21.3
Size: 200.000 x 200.000 mm (8.000 x 8.000 in), Total area: 40000.000 mm²		
Area: 10000.000 mm² (3.937 x 10.000 in)		
Total Power: 1.000000 Watts		

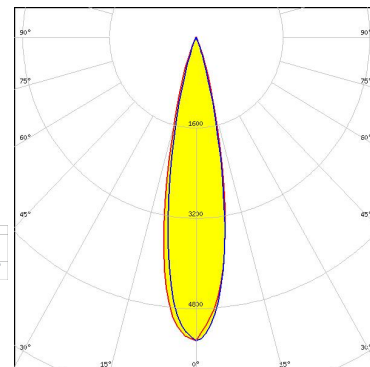


Light distribution files

CREE **LEDs**

Detector Image: Illuminance

26-1-2014	
Location: ELI-NDC Carpathian J. 100mm	
Solar Disk Size: 2900 X 2900 pixels and 100 frames, PixelSize: 2000 X 2 000 X 2, Total time = 84765ms	
Page # Parameters: 1-10101010 Camera: WCC	
1-100000000	



Light distribution files



Light distribution files

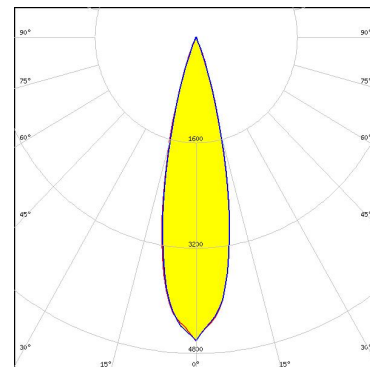


Light distribution files

OPTICAL RESULTS (SIMULATED):



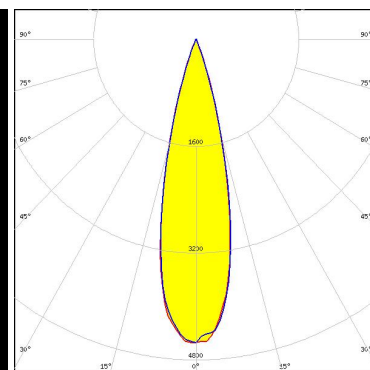
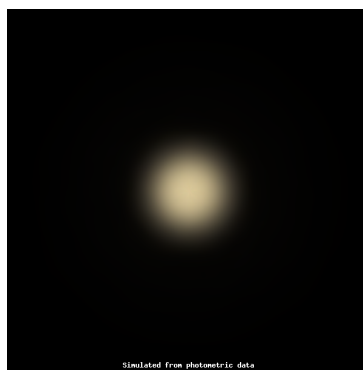
LED LUXEON HL2X
FWHM / FWTM 25.0° / 40.0°
Efficiency 88 %
Peak intensity 4.6 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



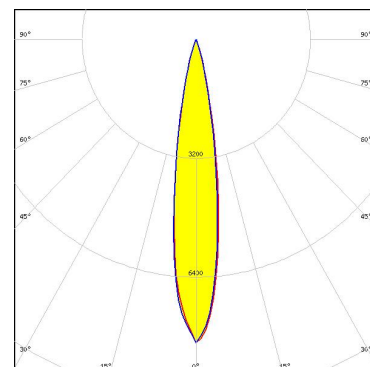
LED LUXEON HL2X-V
FWHM / FWTM 26.0° / 40.0°
Efficiency 88 %
Peak intensity 4.6 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON Z ES
FWHM / FWTM 17.0° / 32.0°
Efficiency 87 %
Peak intensity 8.2 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:

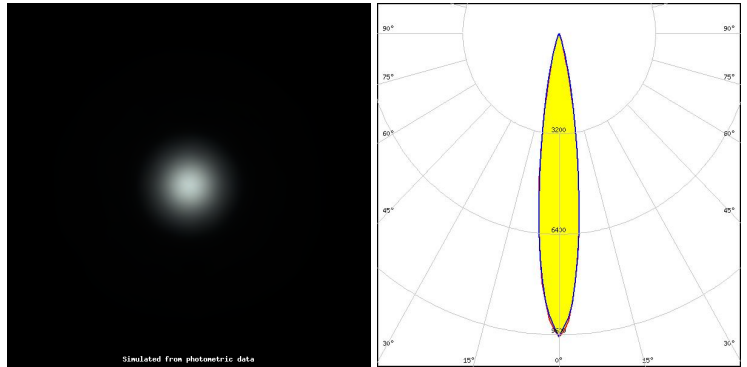


Light distribution files

OPTICAL RESULTS (SIMULATED):



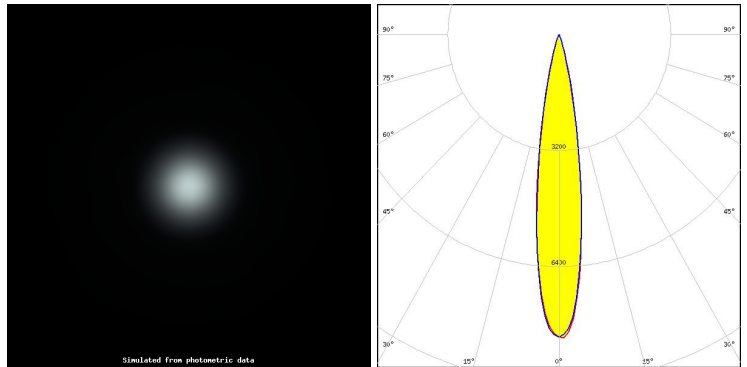
LED SFT-12R-W-A
FWHM / FWTM 16.0° / 30.0°
Efficiency 88 %
Peak intensity 9.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



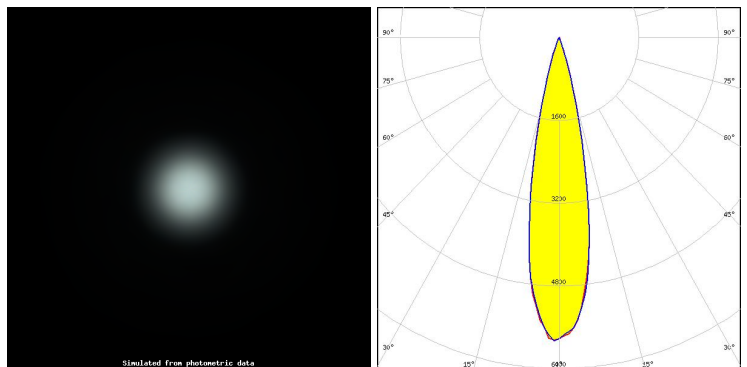
LED SFT-25R-W-A
FWHM / FWTM 18.0° / 32.0°
Efficiency 88 %
Peak intensity 8.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED SFT-40 Gen2
FWHM / FWTM 22.0° / 36.0°
Efficiency 89 %
Peak intensity 5.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

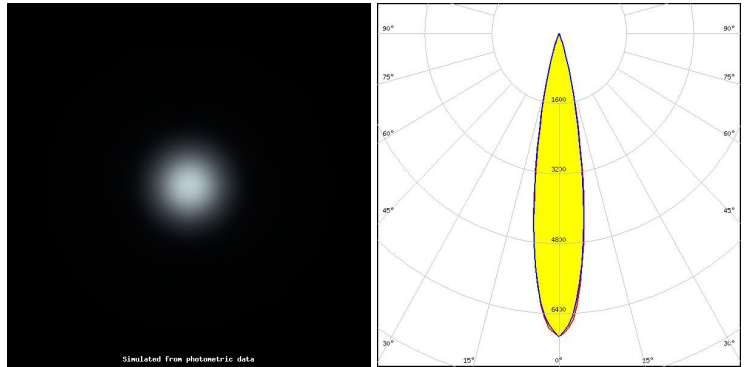


Light distribution files

OPTICAL RESULTS (SIMULATED):



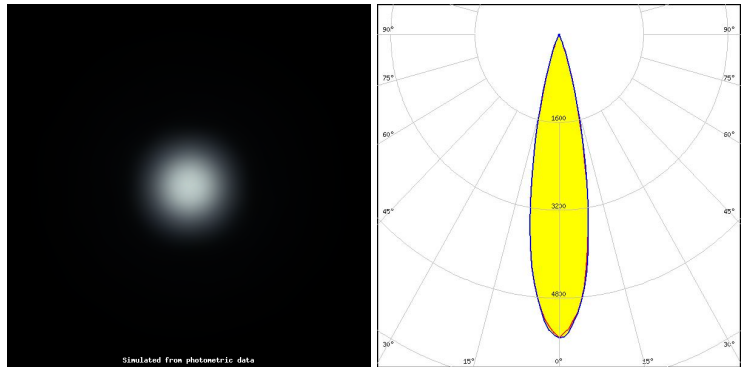
LED SST-20 Gen2
FWHM / FWTM 19.0° / 34.0°
Efficiency 86 %
Peak intensity 7 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



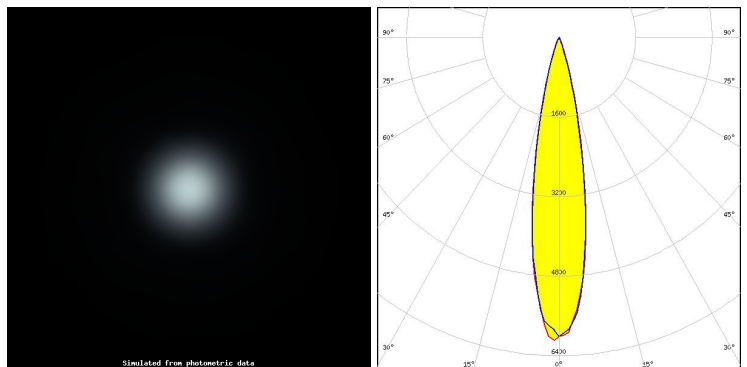
LED SST-20F-W
FWHM / FWTM 22.0° / 38.0°
Efficiency 87 %
Peak intensity 5.6 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED SST-25-W
FWHM / FWTM 20.0° / 36.0°
Efficiency 86 %
Peak intensity 6.1 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:

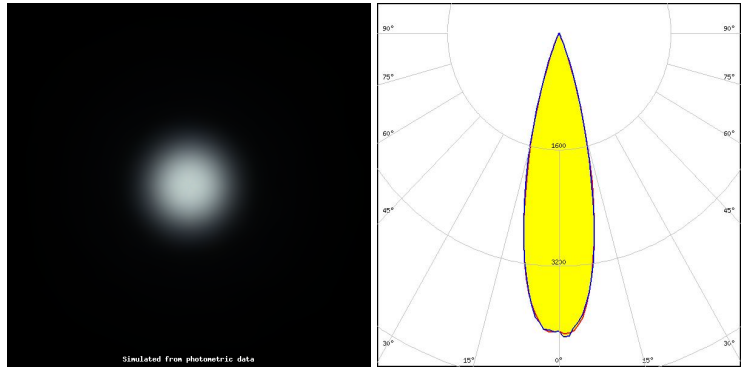


Light distribution files

OPTICAL RESULTS (SIMULATED):



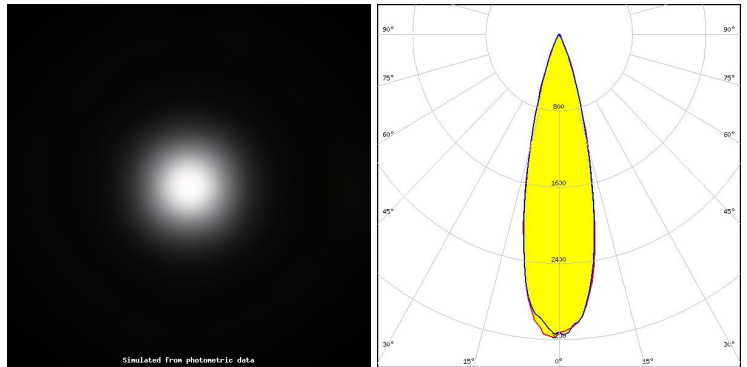
LED SST-36F-W
FWHM / FWTM 26.0° / 42.0°
Efficiency 86 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



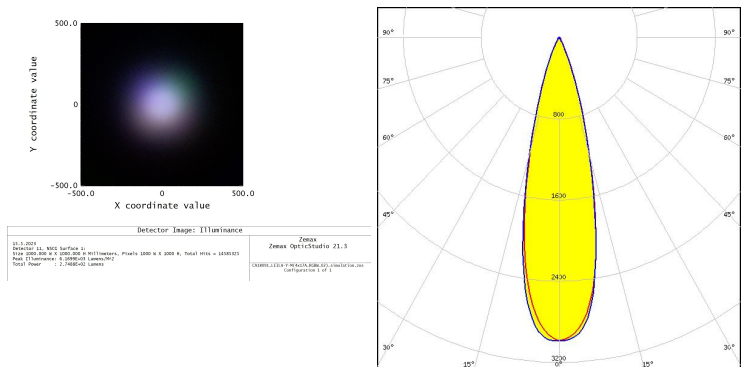
LED NCSxE17A
FWHM / FWTM 26.0° / 46.0°
Efficiency 75 %
Peak intensity 3.2 cd/lm
LEDs/each optic 4
Light colour/type White
Required components:



Light distribution files



LED NCSxE17A
FWHM / FWTM 27.0° / 46.0°
Efficiency 73 %
Peak intensity 3 cd/lm
LEDs/each optic 4
Light colour/type RGB
Required components:

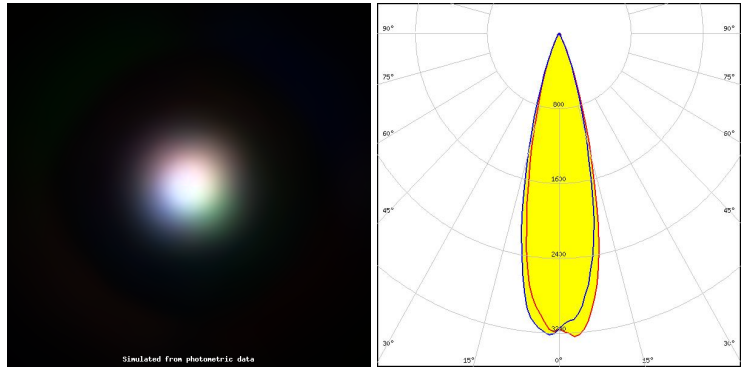


Light distribution files

OPTICAL RESULTS (SIMULATED):



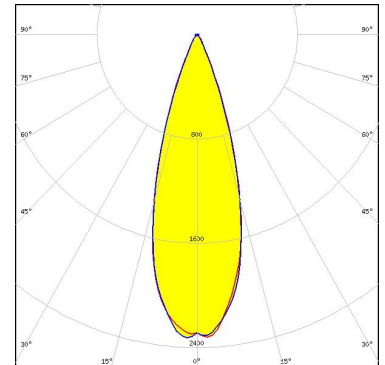
LED NCSxE17A
 FWHM / FWTM 26.0 + 27.0° / 45.0°
 Efficiency 77 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:



Light distribution files



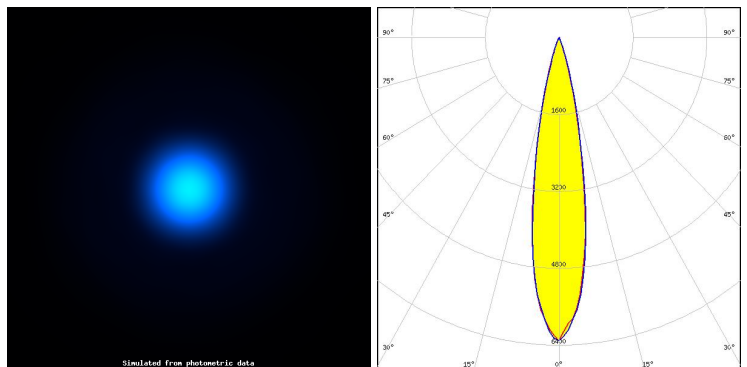
LED NV4x144A
 FWHM / FWTM 32.0° / 52.0°
 Efficiency 78 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSB219GL-L1
 FWHM / FWTM 20.0° / 36.0°
 Efficiency 85 %
 Peak intensity 6.3 cd/lm
 LEDs/each optic 1
 Light colour/type Blue
 Required components:

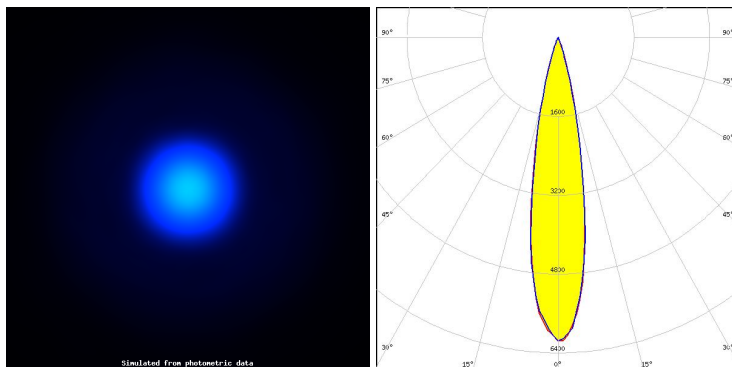


Light distribution files

OPTICAL RESULTS (SIMULATED):



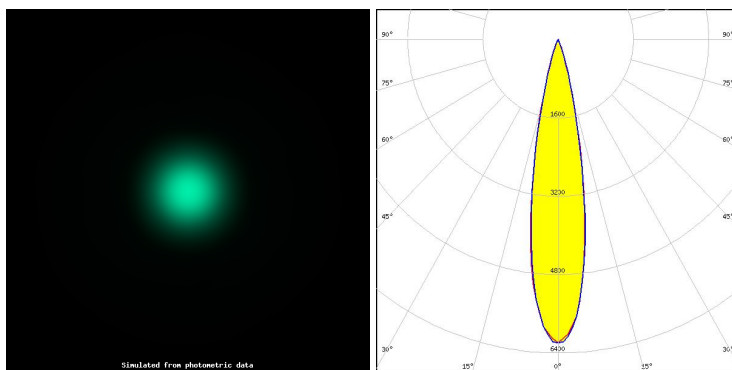
LED NVSC219GL-L1
 FWHM / FWTM 20.0° / 36.0°
 Efficiency 85 %
 Peak intensity 6.3 cd/Im
 LEDs/each optic 1
 Light colour/type Royal Blue
 Required components:



Light distribution files



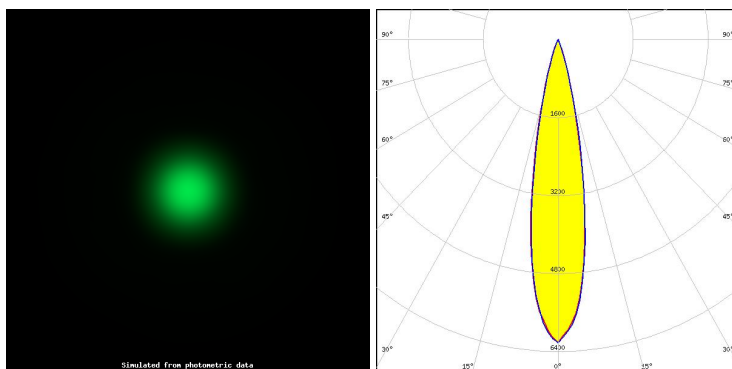
LED NVSE219GL-L1
 FWHM / FWTM 20.0° / 36.0°
 Efficiency 85 %
 Peak intensity 6.2 cd/Im
 LEDs/each optic 1
 Light colour/type Cyan
 Required components:



Light distribution files



LED NVSG219GL-L1
 FWHM / FWTM 20.0° / 36.0°
 Efficiency 86 %
 Peak intensity 6.2 cd/Im
 LEDs/each optic 1
 Light colour/type Green
 Required components:

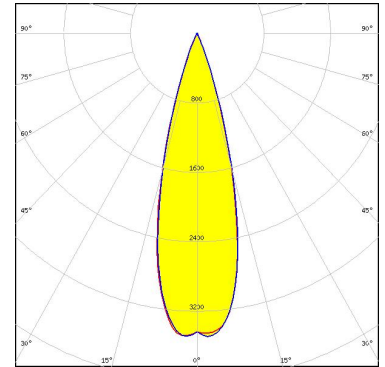


Light distribution files

OPTICAL RESULTS (SIMULATED):



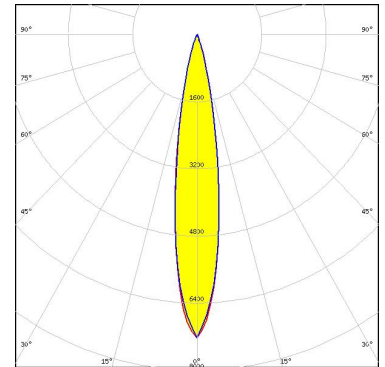
LED NVSW519A
 FWHM / FWTM 28.0° / 44.0°
 Efficiency 83 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



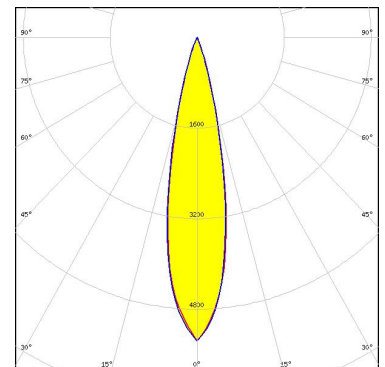
LED NVSxE21A
 FWHM / FWTM 17.0° / 34.0°
 Efficiency 82 %
 Peak intensity 7.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSxx19B/NVSxx19C
 FWHM / FWTM 22.0° / 38.0°
 Efficiency 84 %
 Peak intensity 5.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

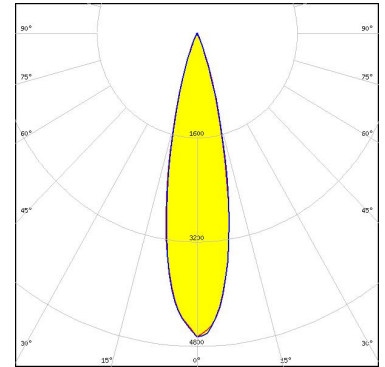


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

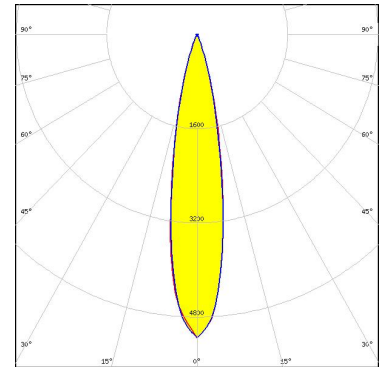
LED OSCONIQ P 3737 (3W version)
FWHM / FWTM 24.0° / 41.0°
Efficiency 85 %
Peak intensity 4.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

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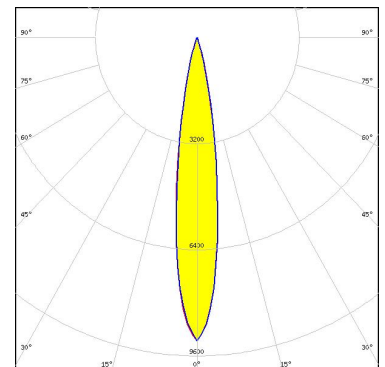
LED OSLON PURE 1010
FWHM / FWTM 20.0° / 38.0°
Efficiency 79 %
Peak intensity 5.2 cd/lm
LEDs/each optic 4
Light colour/type White
Required components:



Light distribution files

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LED OSLON Pure 1414
FWHM / FWTM 16.0° / 30.0°
Efficiency 88 %
Peak intensity 9.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

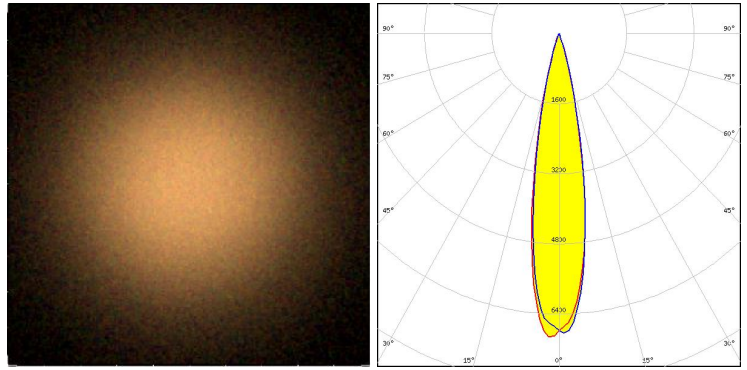


Light distribution files

OPTICAL RESULTS (SIMULATED):

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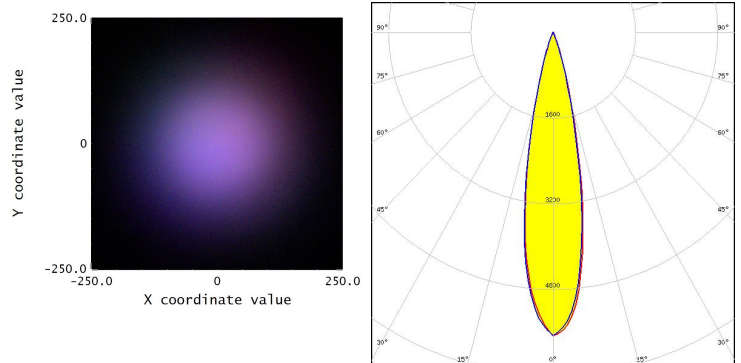
LED OSLON SSL 150
FWHM / FWTM 20.0° / 34.0°
Efficiency 88 %
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

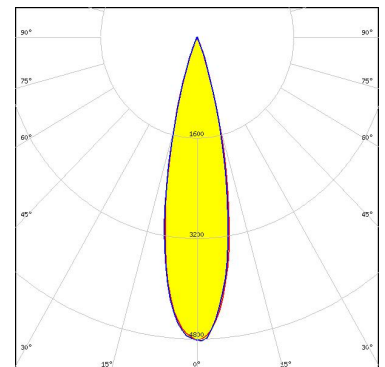
LED OSTAR Stage (S2WM)
FWHM / FWTM 22.0° / 37.0°
Efficiency 86 %
Peak intensity 5.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED LH351B
FWHM / FWTM 24.0° / 40.0°
Efficiency 87 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

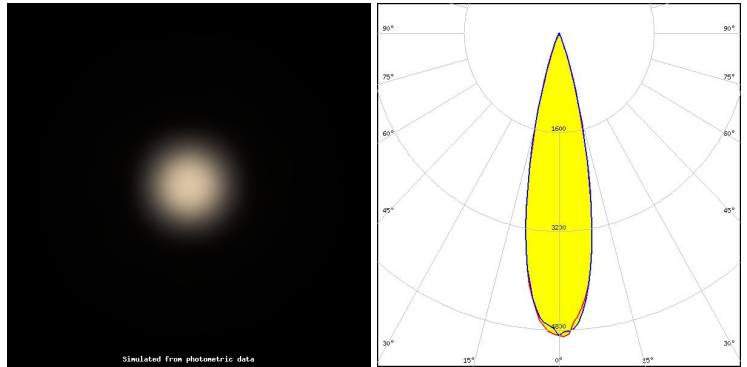


Light distribution files

OPTICAL RESULTS (SIMULATED):



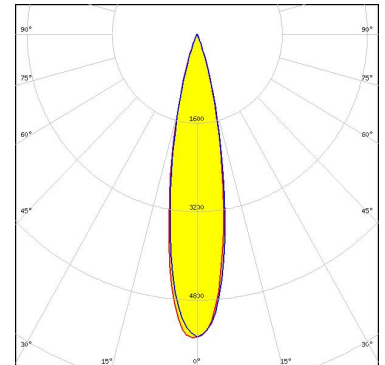
LED Z5M3-E1
FWHM / FWTM 24.0° / 40.0°
Efficiency 88 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



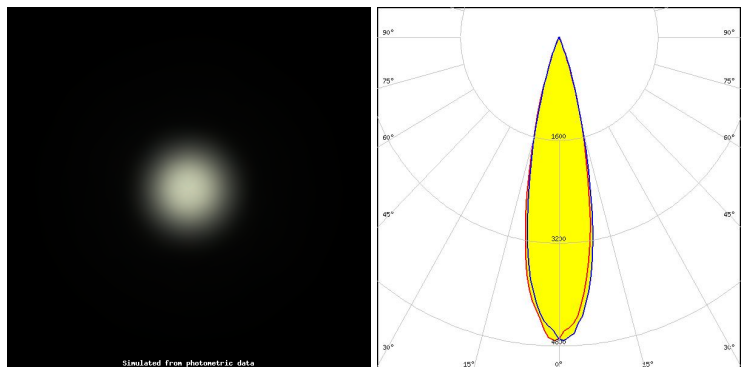
LED Z5M4
FWHM / FWTM 21.0° / 38.0°
Efficiency 85 %
Peak intensity 5.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED Z5M4-E1
FWHM / FWTM 24.0° / 40.0°
Efficiency 87 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

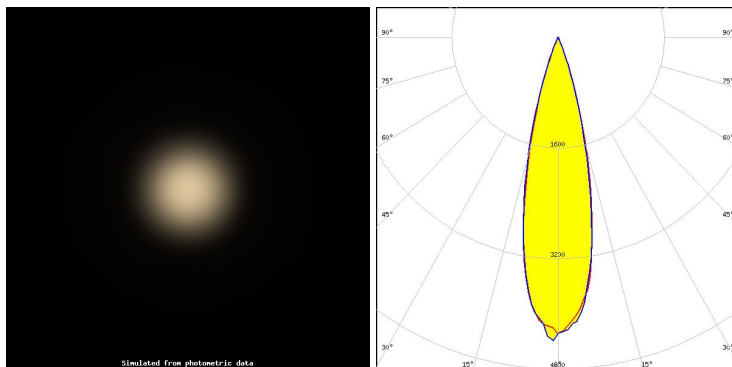


Light distribution files

OPTICAL RESULTS (SIMULATED):



LED	Z5M4-E2
FWHM / FWTM	26.0° / 42.0°
Efficiency	88 %
Peak intensity	4.4 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

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

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