

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 ⓘ

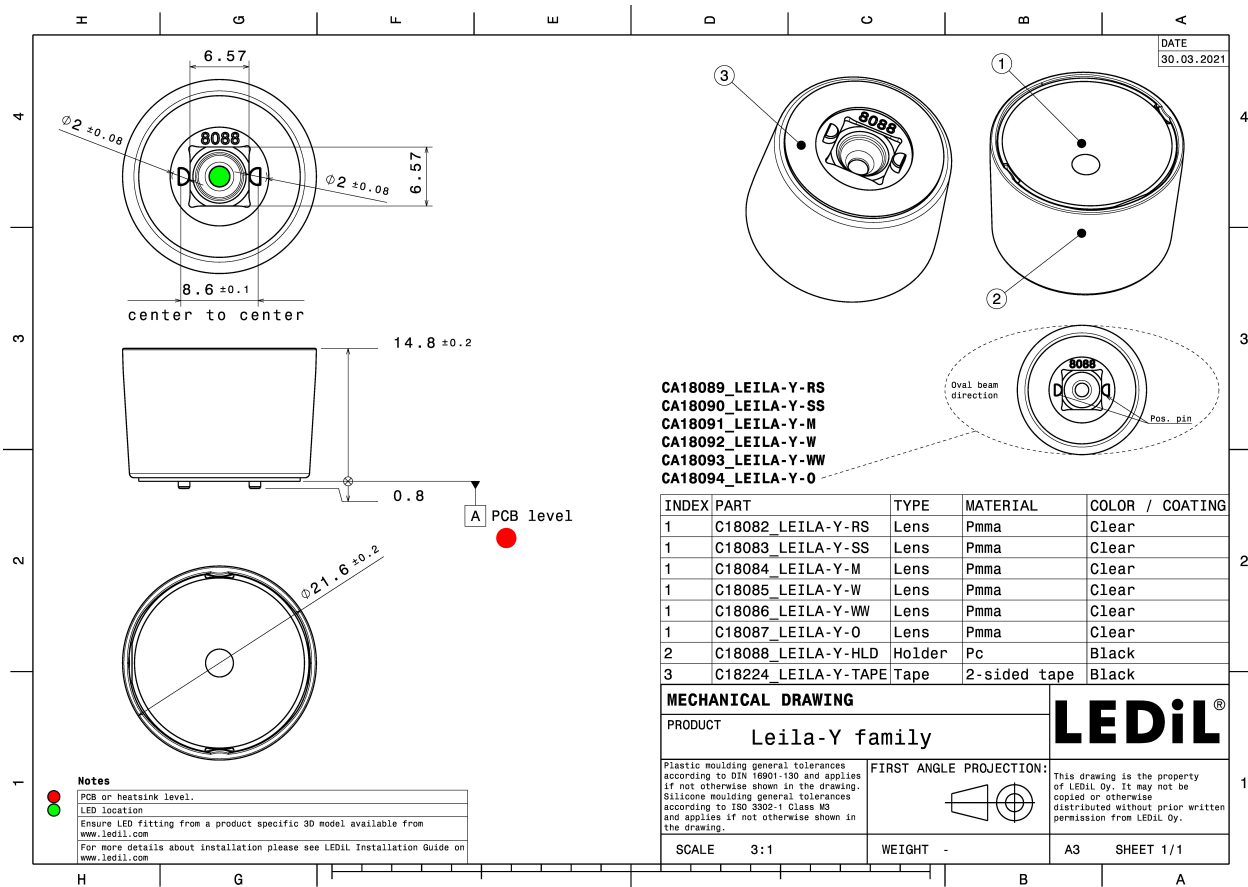


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
LEILA-Y-M	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)
CA18091_LEILA-Y-M » Box size: 476 x 273 x 197 mm	1800	180	180	6.7

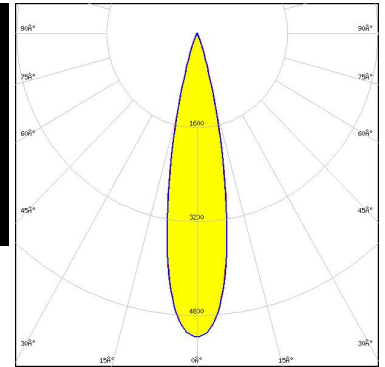


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



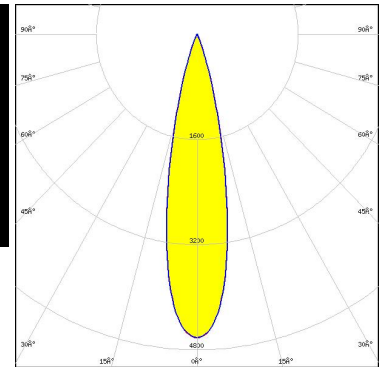
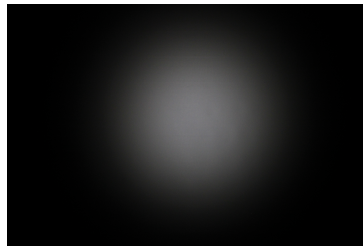
LED XHP35 HI
FWHM / FWTM 22.0° / 37.0°
Efficiency 83 %
Peak intensity 5.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



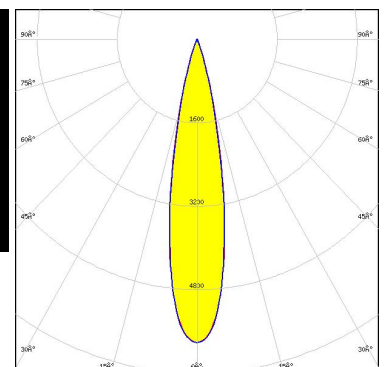
LED XP-G3
FWHM / FWTM 23.0° / 39.0°
Efficiency 78 %
Peak intensity 4.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



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:

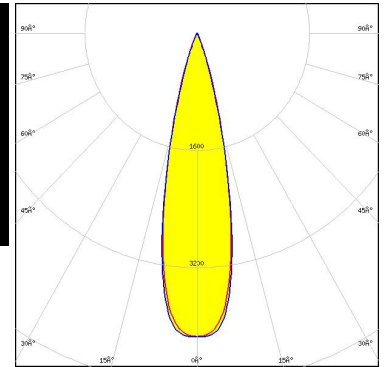
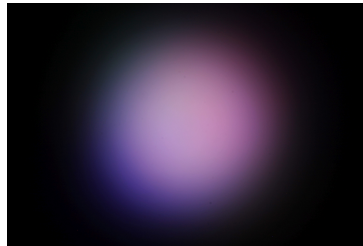


Light distribution files

OPTICAL RESULTS (MEASURED):



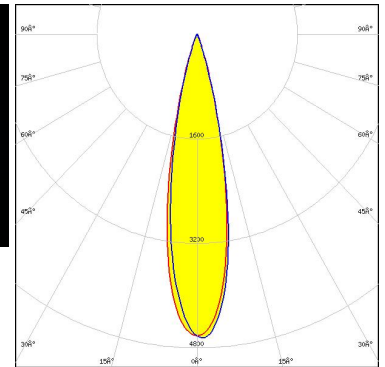
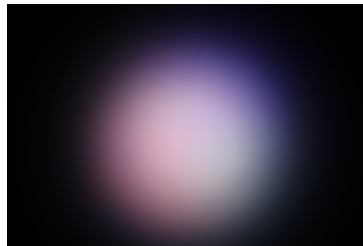
LED XP-L RGBW HD
 FWHM / FWTM 25.0° / 40.0°
 Efficiency 82 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



Light distribution files



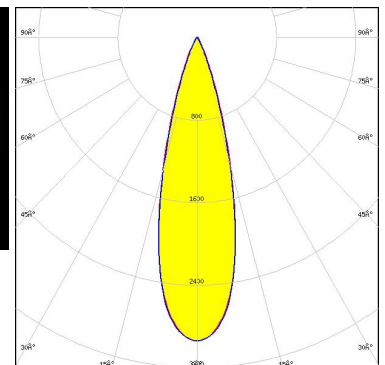
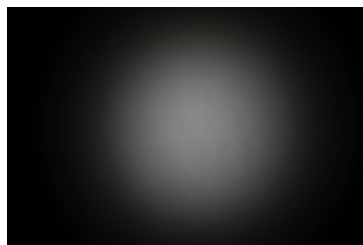
LED XP-L RGBW HI
 FWHM / FWTM 22.0° / 38.0°
 Efficiency 75 %
 Peak intensity 4.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



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:

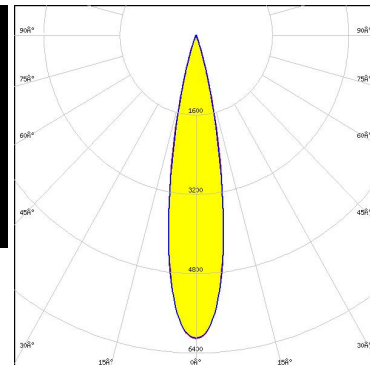


Light distribution files

OPTICAL RESULTS (MEASURED):



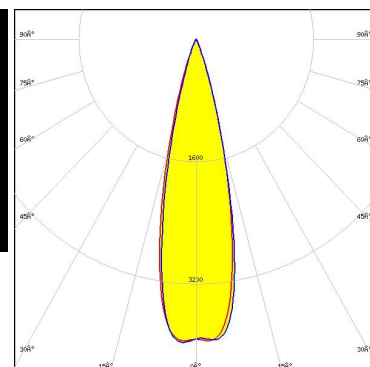
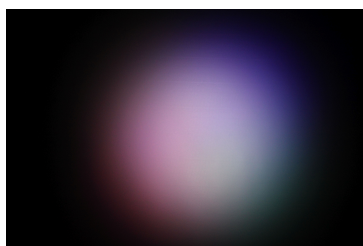
LED NVSW719AC
 FWHM / FWTM 21.0° / 35.0°
 Efficiency 85 %
 Peak intensity 6.1 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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

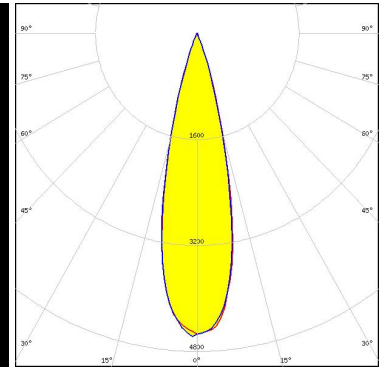


Light distribution files

OPTICAL RESULTS (SIMULATED):



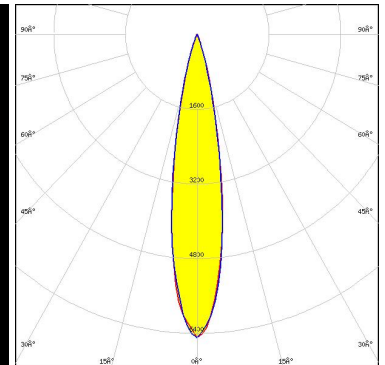
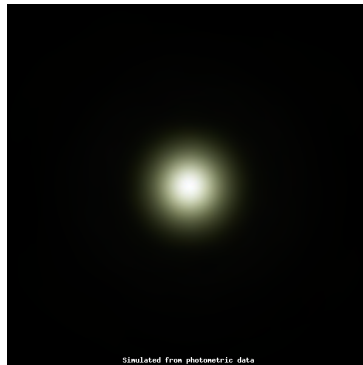
LED Bridgelux SMD 3535 (3B1)
 FWHM / FWTM 26.0° / 40.0°
 Efficiency 88 %
 Peak intensity 4.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



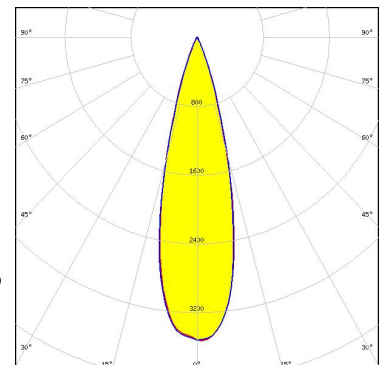
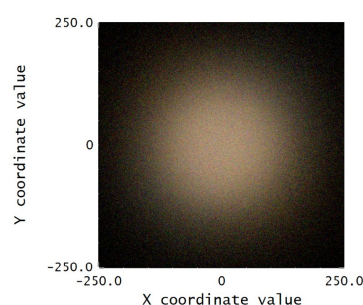
LED J Series 3030C
 FWHM / FWTM 20.0° / 36.0°
 Efficiency 86 %
 Peak intensity 6.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



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:

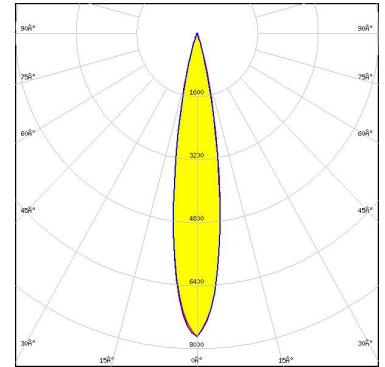


Light distribution files

OPTICAL RESULTS (SIMULATED):



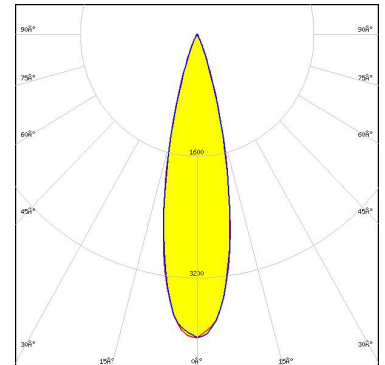
LED XE-G
FWHM / FWTM 18.0° / 32.0°
Efficiency 88 %
Peak intensity 7.7 cd/lm
LEDs/each optic 1
Light colour/type Royal Blue
Required components:



Light distribution files



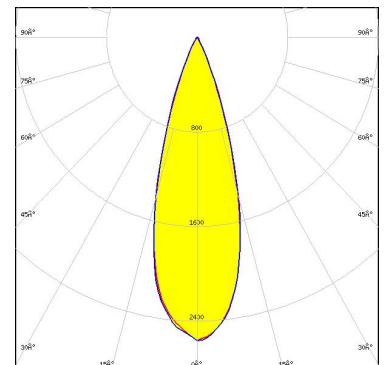
LED XHP35.2 HI
FWHM / FWTM 25.0° / 42.0°
Efficiency 83 %
Peak intensity 4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



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:

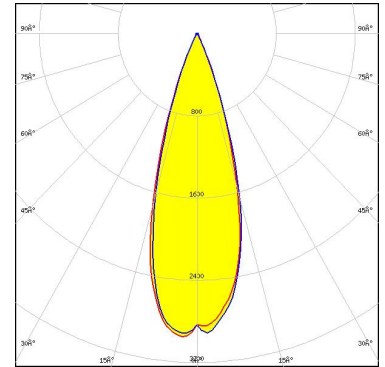


Light distribution files

OPTICAL RESULTS (SIMULATED):



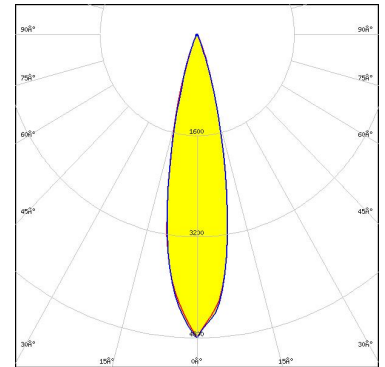
LED XM-L RGBW (XMLDCL HD)
 FWHM / FWTM 32.0° / 48.0°
 Efficiency 89 %
 Peak intensity 3 cd/Im
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



Light distribution files



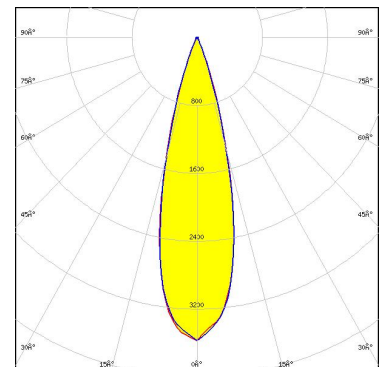
LED XM-L RGBW (XMLDCL HI)
 FWHM / FWTM 23.0° / 40.0°
 Efficiency 87 %
 Peak intensity 4.8 cd/Im
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



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:

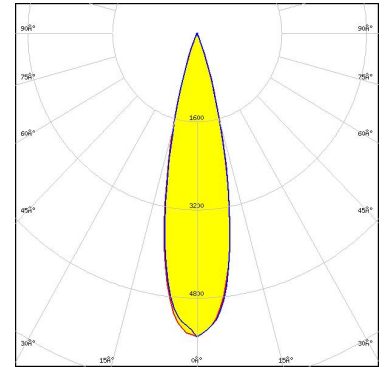


Light distribution files

OPTICAL RESULTS (SIMULATED):



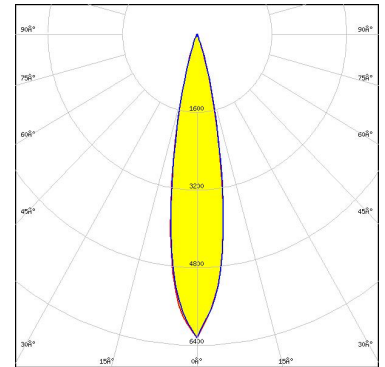
LED XP-G3
FWHM / FWTM 24.0° / 39.0°
Efficiency 83 %
Peak intensity 4.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



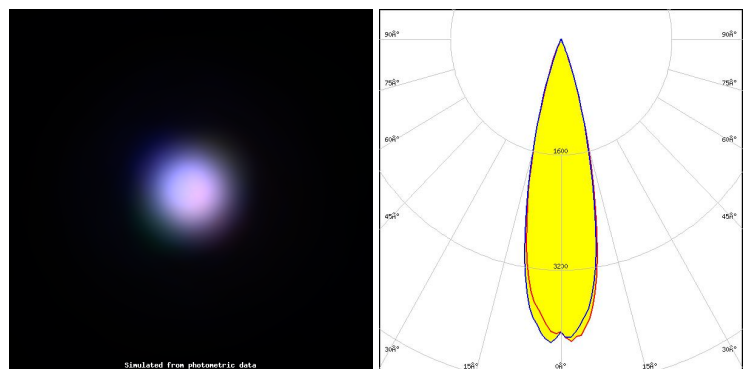
LED XP-G4 HI
FWHM / FWTM 20.0° / 36.0°
Efficiency 86 %
Peak intensity 6.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



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



Light distribution files

CREE
LEDs

Light distribution files



Detector Image: Illuminance	
26.2.2024 Detector 11, MSCF Surface 1: 1300nm Size 2000,800 X 8 2000,000 X Millimeters, Pixelo 2000 W X 800 H, Total Hite = 9342098 Peak Illuminance: 3.834E+03 Lumens/m² Total Power : 1.7178E+02 Lumens	Zenax Zenax OpticStudio 21.3 <small>CARTELLO S.p.A. Via S. L. M., 1000-00100, Roma, Italia Configuration: 1 of 5</small>

Light distribution files



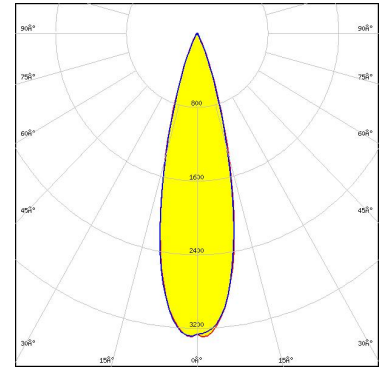
Detector Image: Illuminance	
28.2.2004 Detector 11, NSC Surface I: 1900nm Size: 2000,600 x 1,100,600 x 80 Millimeters, PixelSize: 2000 W X 800 H, Total Hints = 8436456 Peak Intensity: 1.855E+05 Lumens/W ² Total Power : 1.8418E+02 Lumens	<div style="text-align: right;">Zemax Zemax OpticStudio 21.3</div> <div style="font-size: small; text-align: center;">Copyright © 2004-2020 Zemax Corporation, Santa Clara, California, USA Configuration: 1 of 1</div>

Light distribution files

OPTICAL RESULTS (SIMULATED):



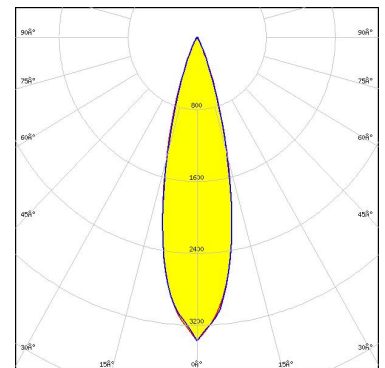
LED LUXEON 5050 Round LES
FWHM / FWTM 28.0° / 46.0°
Efficiency 81 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



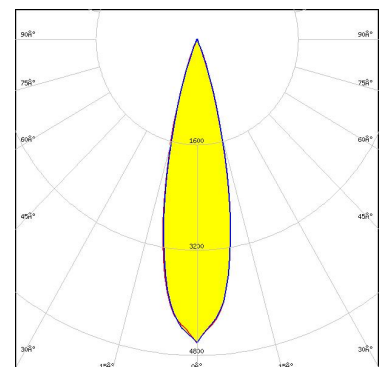
LED LUXEON 5050 Square LES
FWHM / FWTM 26.0° / 46.0°
Efficiency 80 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



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

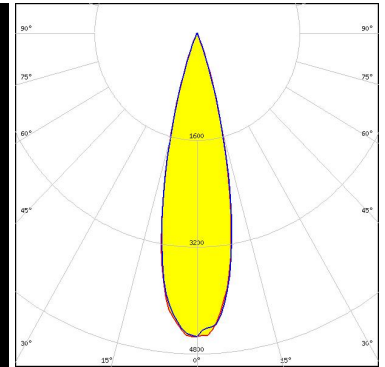
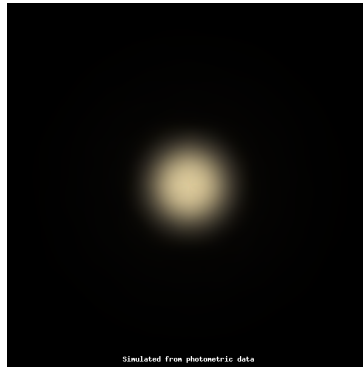


Light distribution files

OPTICAL RESULTS (SIMULATED):



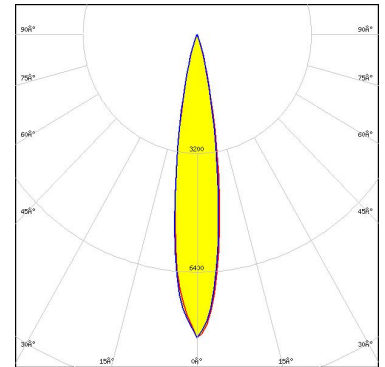
LED LUXEON HL2X-V
 FWHM / FWTM 26.0° / 40.0°
 Efficiency 88 %
 Peak intensity 4.6 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



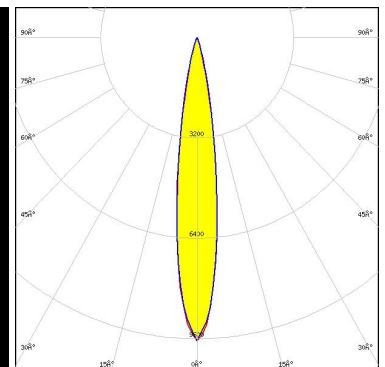
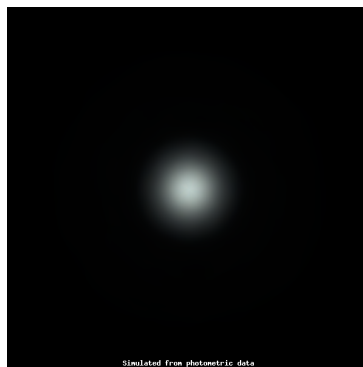
LED LUXEON Z ES
 FWHM / FWTM 17.0° / 32.0°
 Efficiency 87 %
 Peak intensity 8.2 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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

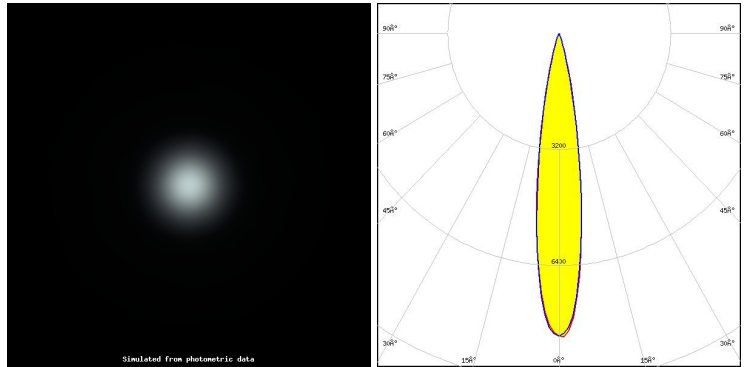


Light distribution files

OPTICAL RESULTS (SIMULATED):



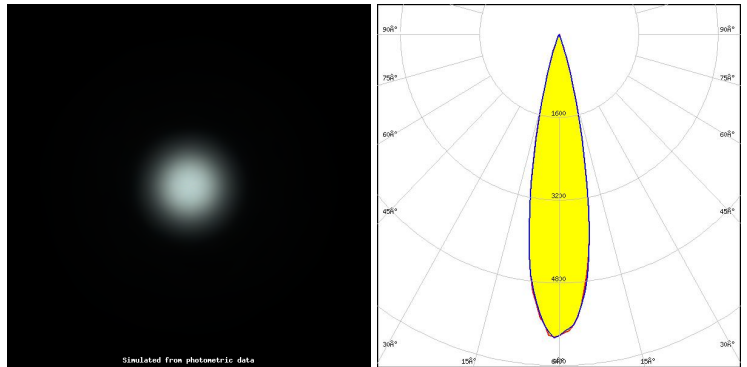
LED SFT-25R-W-A
 FWHM / FWTM 18.0° / 32.0°
 Efficiency 88 %
 Peak intensity 8.4 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



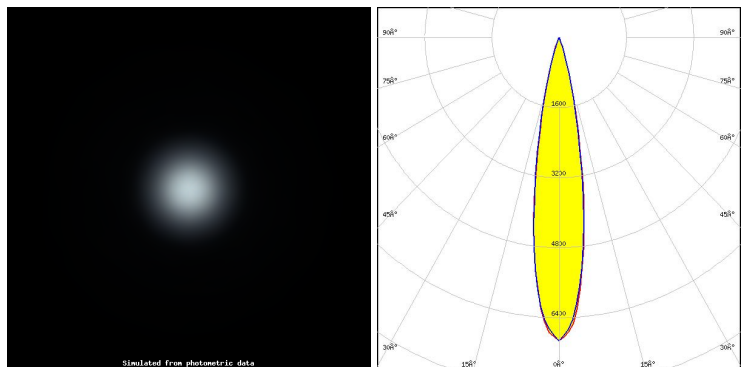
LED SFT-40 Gen2
 FWHM / FWTM 22.0° / 36.0°
 Efficiency 89 %
 Peak intensity 5.9 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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:

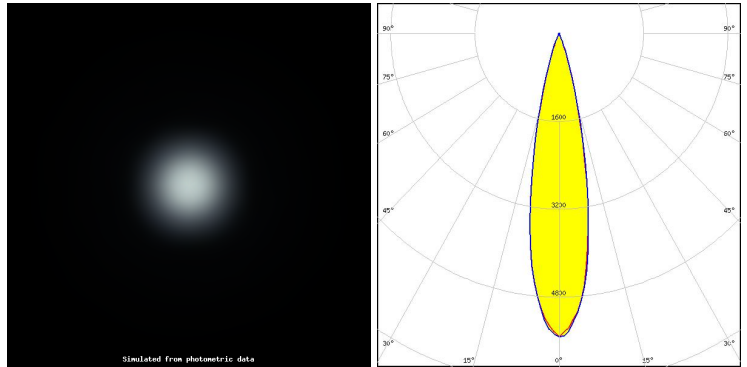


Light distribution files

OPTICAL RESULTS (SIMULATED):



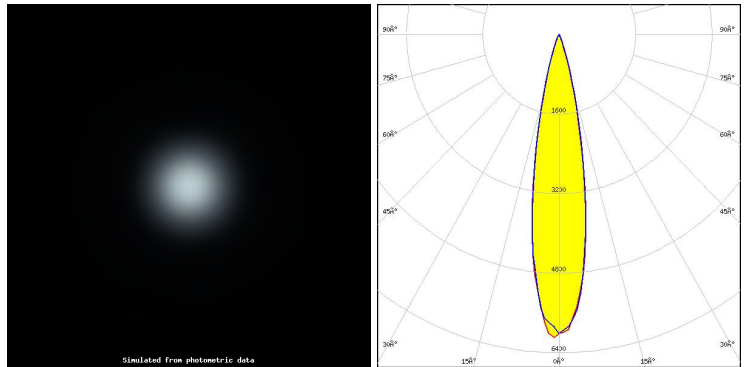
LED SST-20F-W
 FWHM / FWTM 22.0° / 38.0°
 Efficiency 87 %
 Peak intensity 5.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



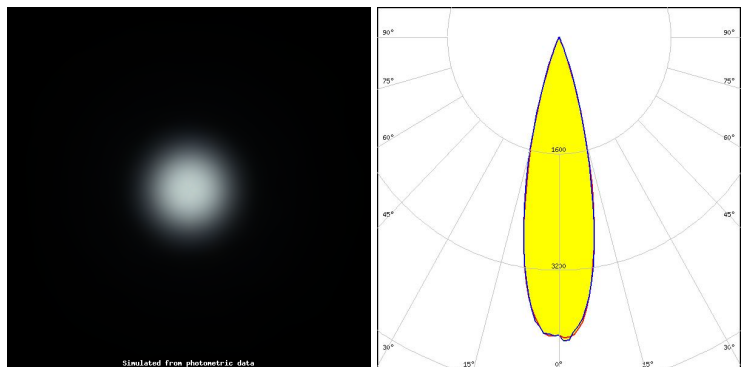
LED SST-25-W
 FWHM / FWTM 20.0° / 36.0°
 Efficiency 86 %
 Peak intensity 6.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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:

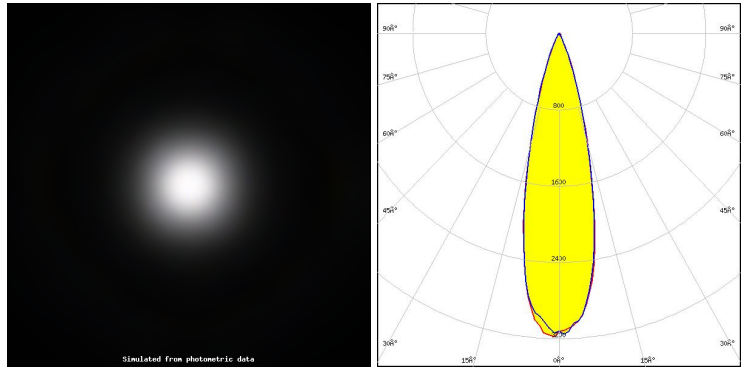


Light distribution files

OPTICAL RESULTS (SIMULATED):



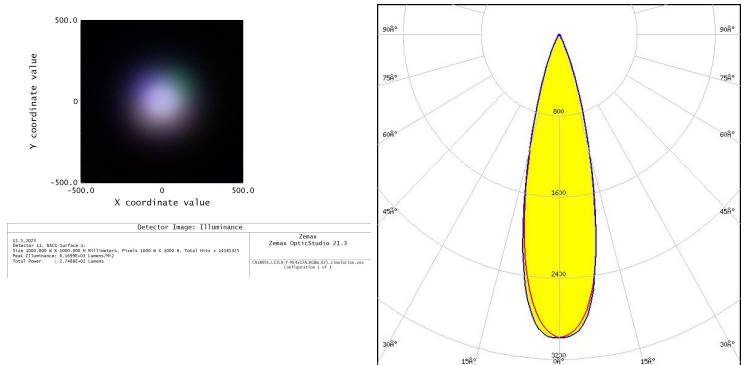
LED NCSxE17A
FWHM / FWTM 26.0° / 46.0°
Efficiency 75 %
Peak intensity 3.2 cd/lm
LEDs/each optic 4
Light colour/type White
Required components:



Light distribution files



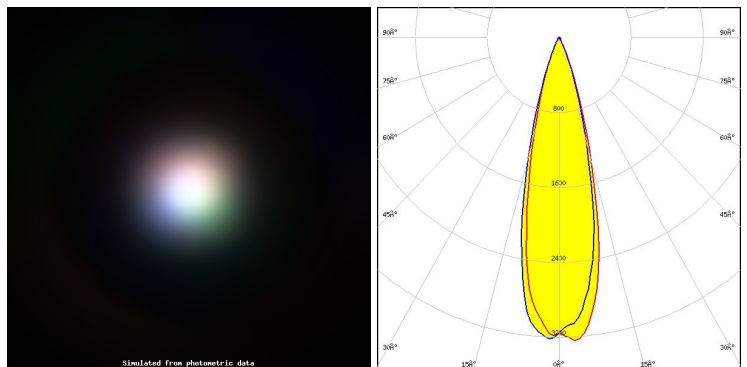
LED NCSxE17A
FWHM / FWTM 27.0° / 46.0°
Efficiency 73 %
Peak intensity 3 cd/lm
LEDs/each optic 4
Light colour/type RGB
Required components:



Light distribution files



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:

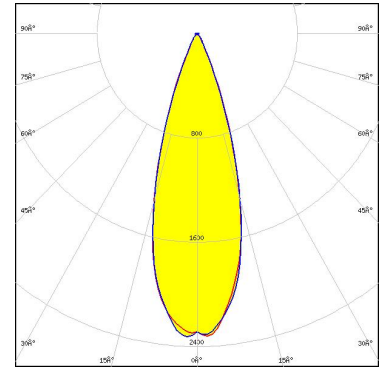


Light distribution files

OPTICAL RESULTS (SIMULATED):



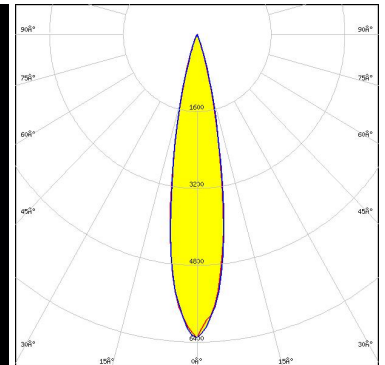
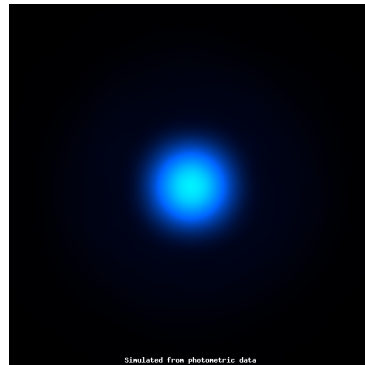
LED NV4x144A
 FWHM / FWTM 32.0° / 52.0°
 Efficiency 78 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



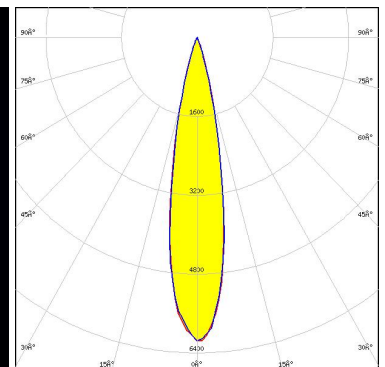
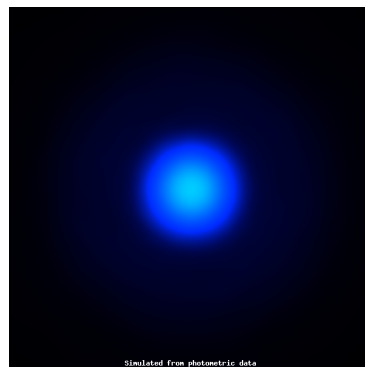
LED NVSB219GL-L1
 FWHM / FWTM 20.0° / 36.0°
 Efficiency 85 %
 Peak intensity 6.3 cd/lm
 LEDs/each optic 1
 Light colour/type Blue
 Required components:



Light distribution files



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

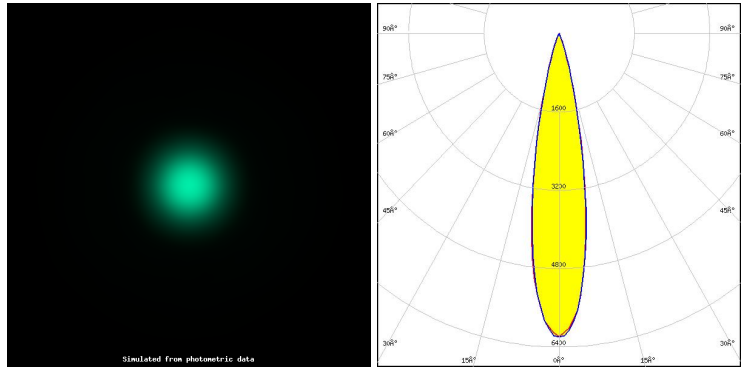


Light distribution files

OPTICAL RESULTS (SIMULATED):



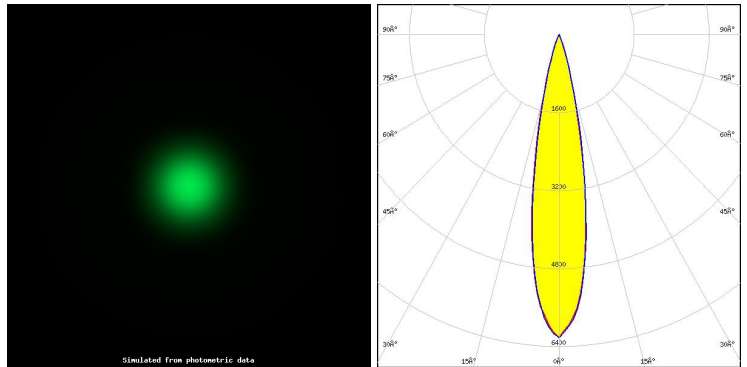
LED NVSE219GL-L1
 FWHM / FWTM 20.0° / 36.0°
 Efficiency 85 %
 Peak intensity 6.2 cd/lm
 LEDs/each optic 1
 Light colour/type Cyan
 Required components:



Light distribution files



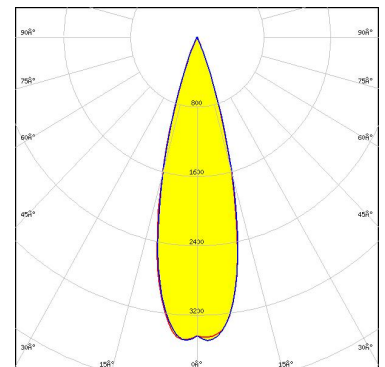
LED NVSG219GL-L1
 FWHM / FWTM 20.0° / 36.0°
 Efficiency 86 %
 Peak intensity 6.2 cd/lm
 LEDs/each optic 1
 Light colour/type Green
 Required components:



Light distribution files



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:

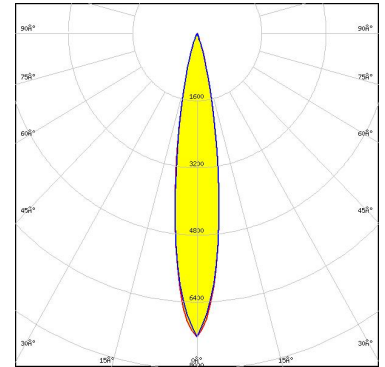


Light distribution files

OPTICAL RESULTS (SIMULATED):



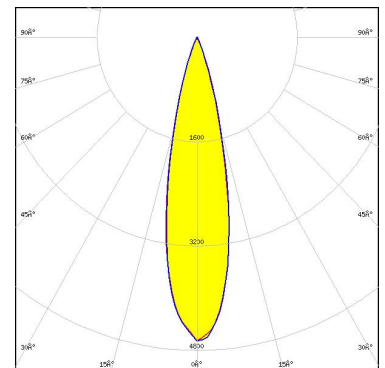
LED NVSxE21A
 FWHM / FWTM 17.0° / 34.0°
 Efficiency 82 %
 Peak intensity 7.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



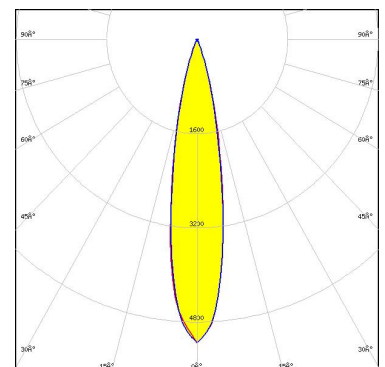
LED OSCONIQ P 3737 (3W version)
 FWHM / FWTM 24.0° / 41.0°
 Efficiency 85 %
 Peak intensity 4.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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:

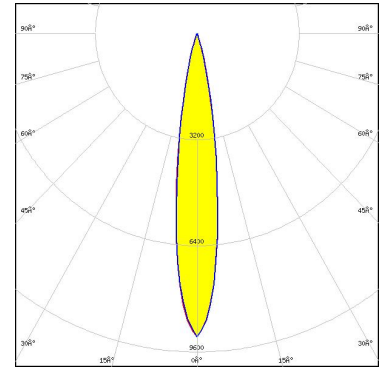


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

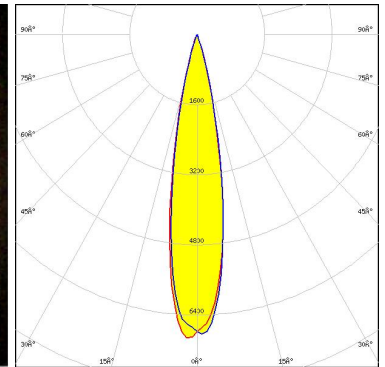
LED OSLON Pure 1414
FWHM / FWTM 16.0° / 30.0°
Efficiency 88 %
Peak intensity 9.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

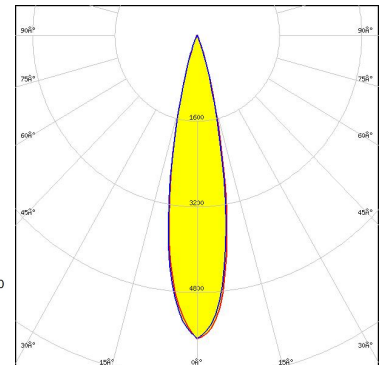
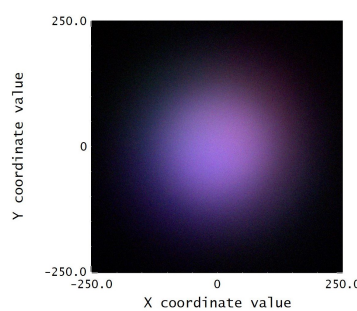
LED OSLON SSL 150
FWHM / FWTM 20.0° / 34.0°
Efficiency 88 %
LEDs/each optic 1
Light colour/type White
Required components:



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:

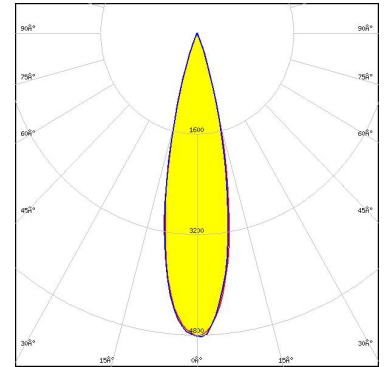


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

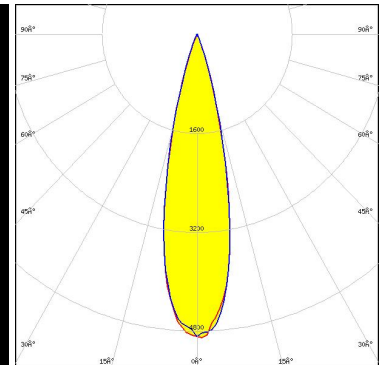
LED LH351B
 FWHM / FWTM 24.0° / 40.0°
 Efficiency 87 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



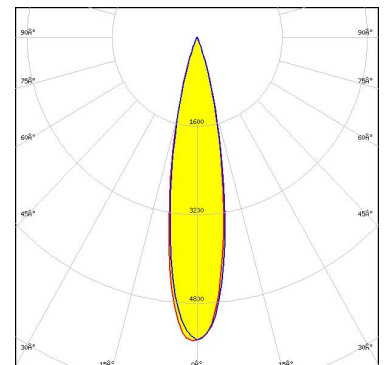
LED Z5M3-E1
 FWHM / FWTM 24.0° / 40.0°
 Efficiency 88 %
 Peak intensity 5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



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:

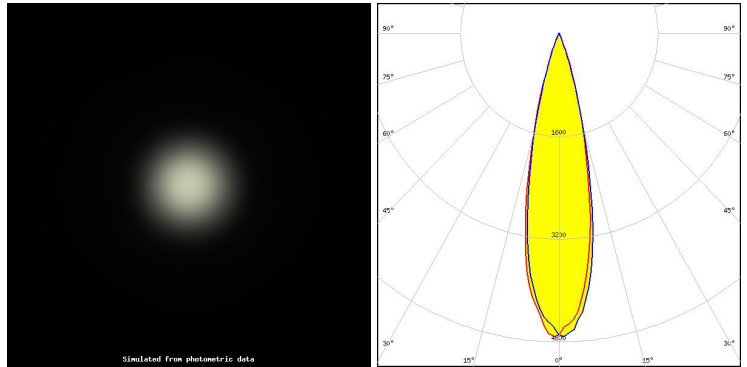


Light distribution files

OPTICAL RESULTS (SIMULATED):



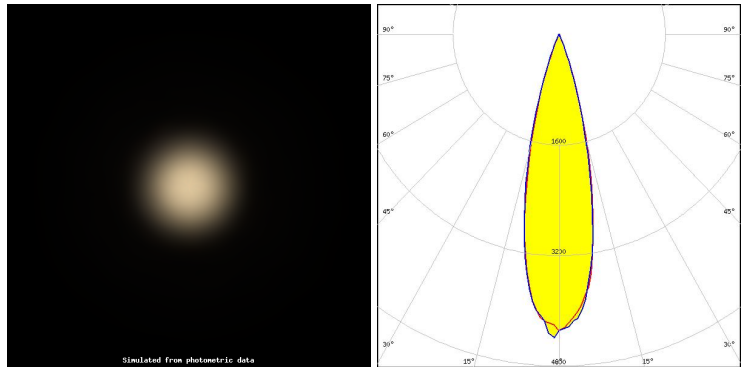
LED Z5M4-E1
 FWHM / FWTM 24.0° / 40.0°
 Efficiency 87 %
 Peak intensity 4.8 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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