

LEILA-Y-W

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

SPECIFICATION:

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

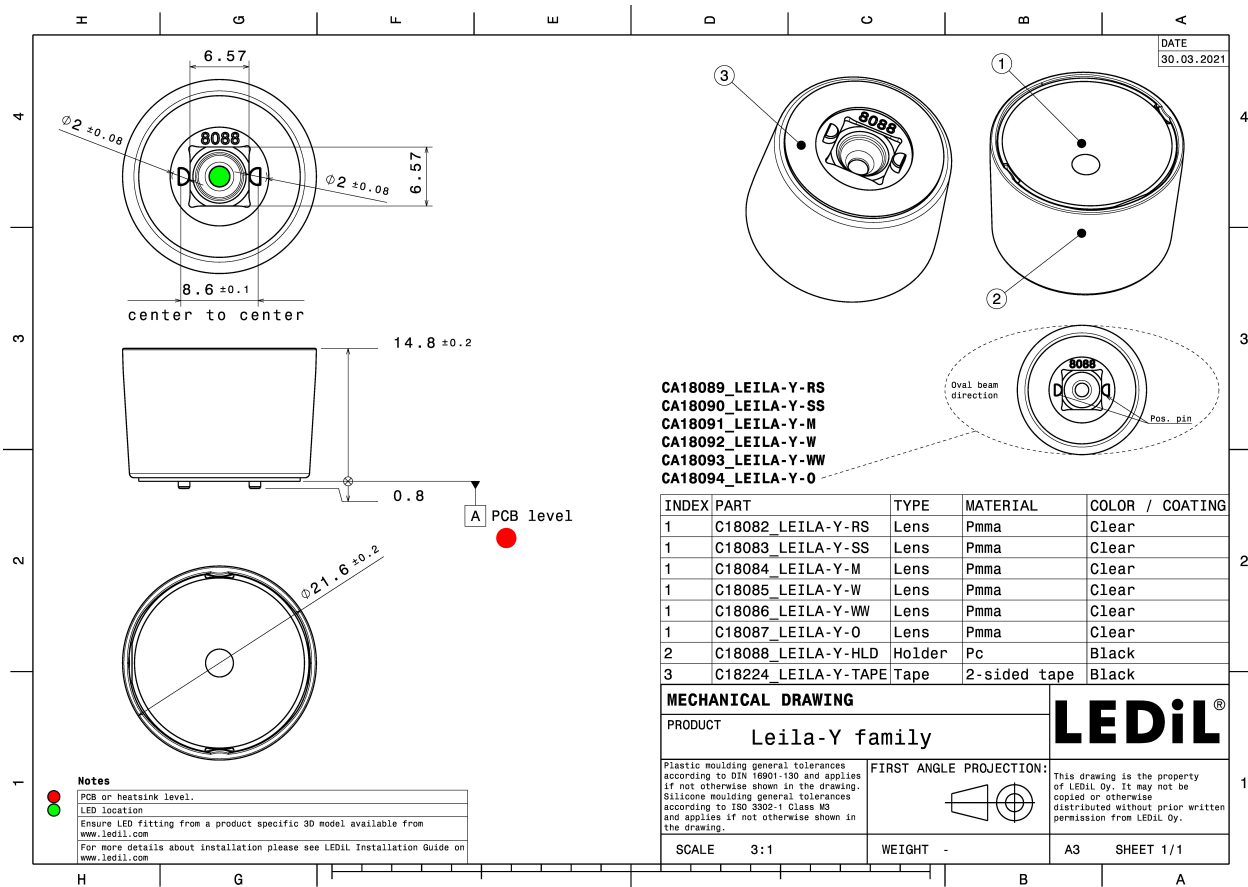


MATERIALS:

Component	Type	Material	Colour	Finish	Length
LEILA-Y-W	Single lens	PMMA	clear		20.0
LEILA-Y-HLD	Holder	PC	black	gloss	21.6
LEILA-Y-TAPE	Tape	Acrylic foam			18.0

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				

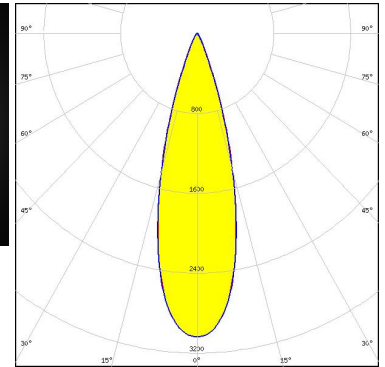
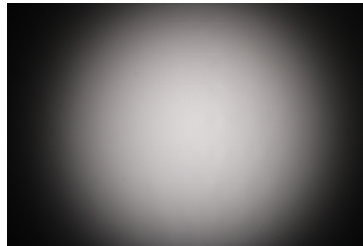


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



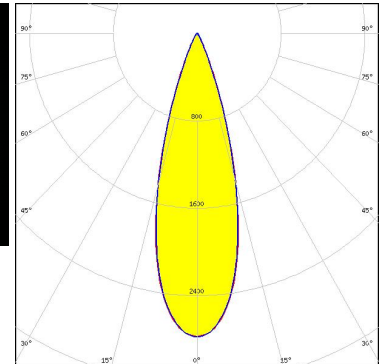
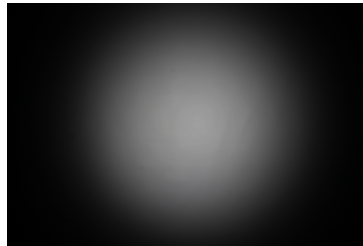
LED XHP35 HI
FWHM / FWTM 29.0° / 48.0°
Efficiency 83 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



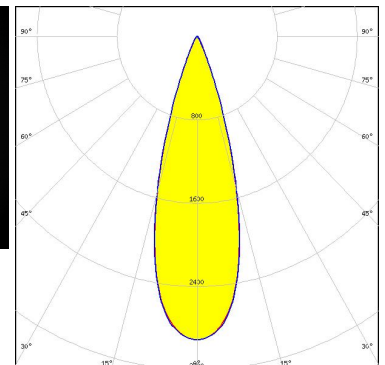
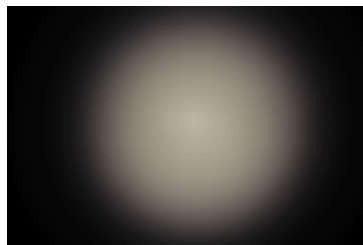
LED XP-G3
FWHM / FWTM 31.0° / 49.0°
Efficiency 81 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



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:

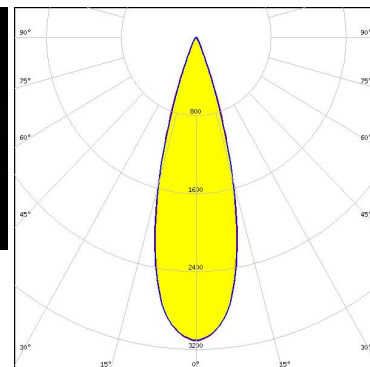
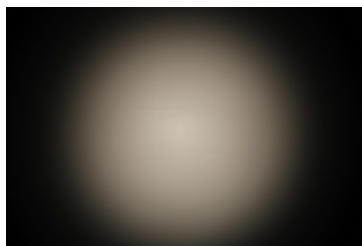


Light distribution files

OPTICAL RESULTS (MEASURED):



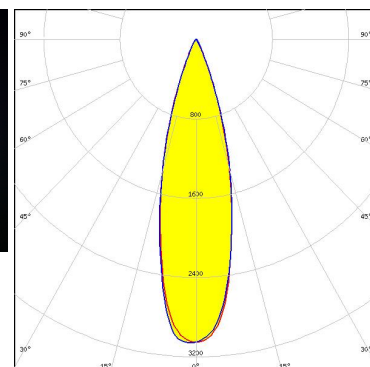
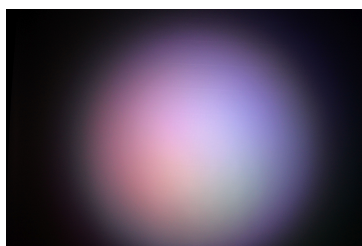
LED NVSW719AC
 FWHM / FWTM 30.0° / 46.0°
 Efficiency 84 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED OSLO 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):



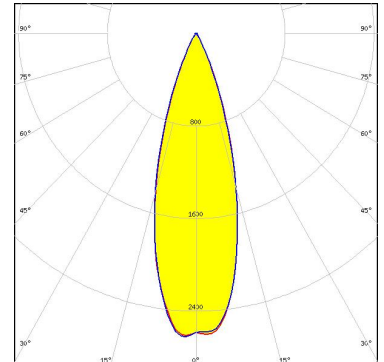
LED J Series 3030C
FWHM / FWTM 29.0° + 28.0° / 46.0°
Efficiency 85 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED 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:

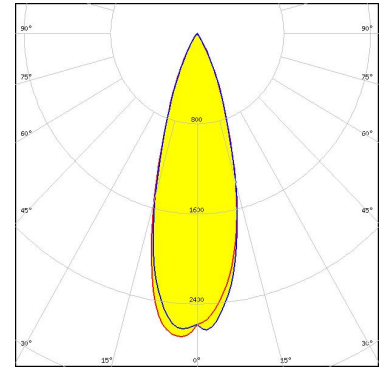


LED XHP50
FWHM / FWTM 32.0° / 58.0°
Efficiency 80 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

OPTICAL RESULTS (SIMULATED):



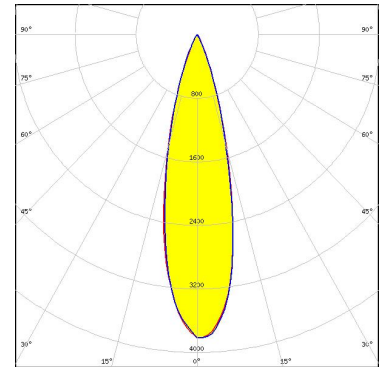
LED XM-L RGBW (XMLDCL HD)
 FWHM / FWTM 31.0° / 56.0°
 Efficiency 89 %
 Peak intensity 2.8 cd/Im
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



Light distribution files



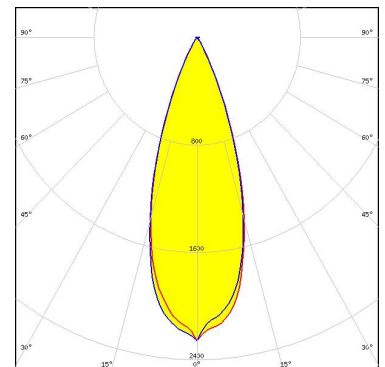
LED XM-L RGBW (XMLDCL HI)
 FWHM / FWTM 26.0° / 46.0°
 Efficiency 87 %
 Peak intensity 3.8 cd/Im
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



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:

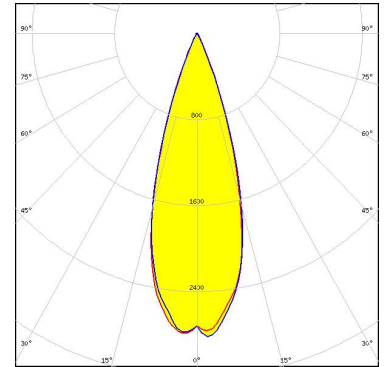


Light distribution files

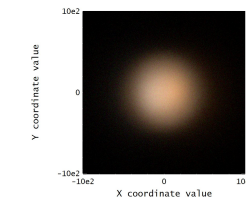
OPTICAL RESULTS (SIMULATED):



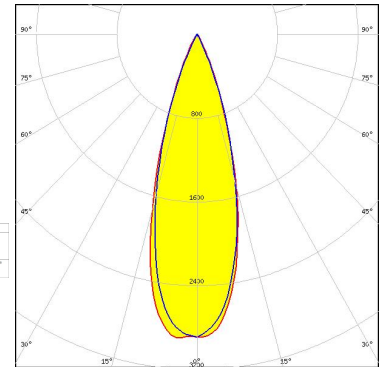
LED XP-G4 HI
FWHM / FWTM 32.0° / 50.0°
Efficiency 85 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



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:



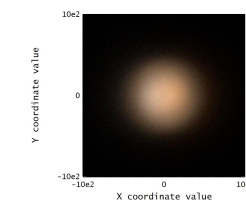
Detector Image: Illuminance	
20.2.2024	Zemax
20.2.2024	Zemax OpticStudio 21.3
Size: 200.000 x 1.000.000 x 1.000.000, Physical: 2000.00 x 1.000.000, Total: 2000.00 x 1.000.000	
Max. Illuminance: 1.000.000.000.000.000	
Total Power: 1.000.000.000.000.000	



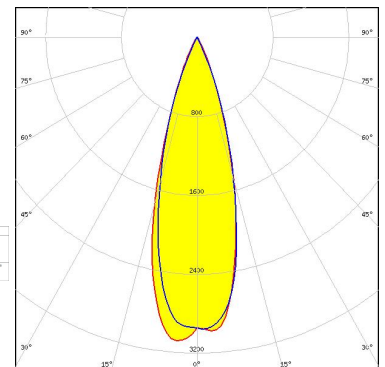
Light distribution files



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
20.2.2024	Zemax OpticStudio 21.3
Size: 200.000 x 1.000.000 x 1.000.000, Physical: 2000.00 x 1.000.000, Total: 2000.00 x 1.000.000	
Max. Illuminance: 1.000.000.000.000.000	
Total Power: 1.000.000.000.000.000	

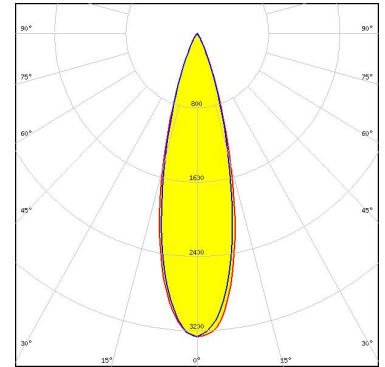


Light distribution files

OPTICAL RESULTS (SIMULATED):



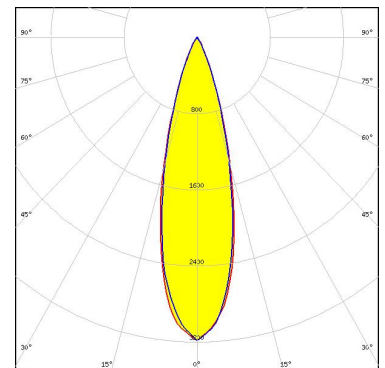
LED LUXEON 5050 Round LES
 FWHM / FWTM 28.0° / 48.0°
 Efficiency 84 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



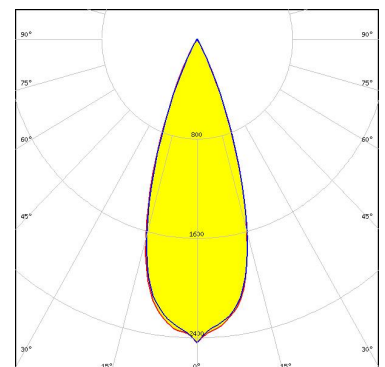
LED LUXEON 5050 Square LES
 FWHM / FWTM 28.0° / 50.0°
 Efficiency 83 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



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:

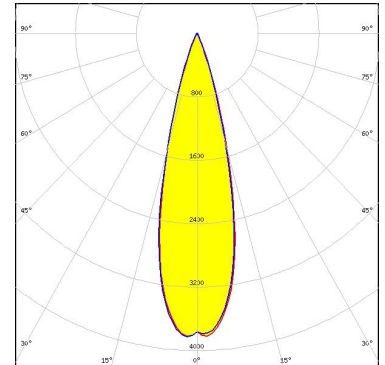
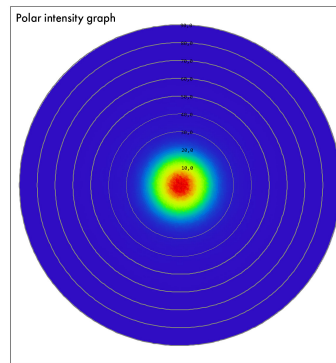


Light distribution files

OPTICAL RESULTS (SIMULATED):



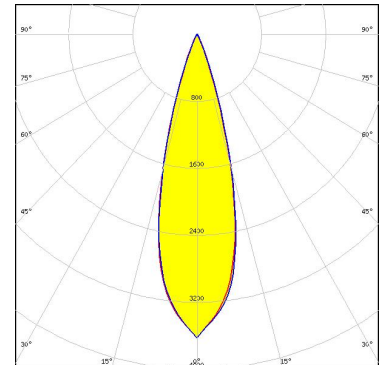
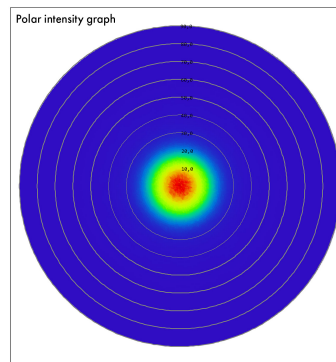
LED LUXEON IR domed 50 (L110-0xxx050200000)
 FWHM / FWTM 27.0° / 43.0°
 Efficiency 85 %
 LEDs/each optic 1
 Light colour/type IR
 Required components:



Light distribution files



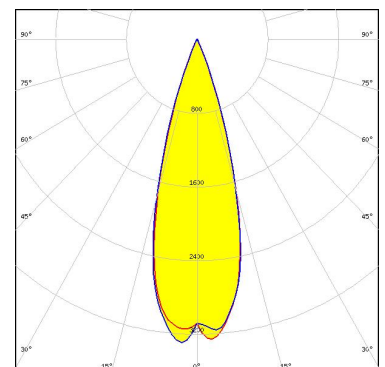
LED LUXEON IR domed 60 (L110-0xxx060200000)
 FWHM / FWTM 28.0° / 44.0°
 Efficiency 85 %
 LEDs/each optic 1
 Light colour/type IR
 Required components:



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):



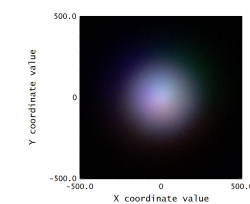
LED NCSxE17A
FWHM / FWTM 26.0° / 49.0 + 50.0°
Efficiency 77 %
Peak intensity 3.1 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:



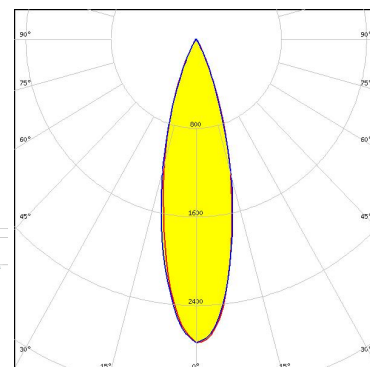
Light distribution files



LED NCSxE17A
FWHM / FWTM 28.0° / 51.0°
Efficiency 74 %
Peak intensity 2.8 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:



Detector Image: Illuminance
Zemax OpticStudio 21.3
Zemax
11-1-2024
Project: 11-1-2024
Size: 1000 x 1000
Units: mm
Wavelength: 480 nm
Total Power: 1.000000 Watts



Light distribution files

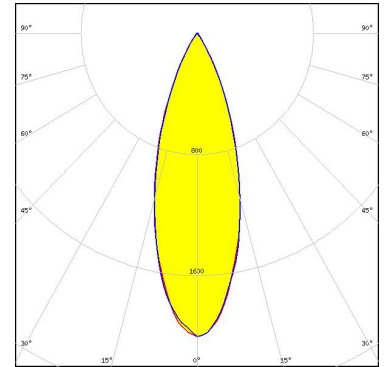


LED NCSxE17A
FWHM / FWTM 26.0° / 50.0°
Efficiency 75 %
Peak intensity 3 cd/lm
LEDs/each optic 4
Light colour/type White
Required components:

OPTICAL RESULTS (SIMULATED):



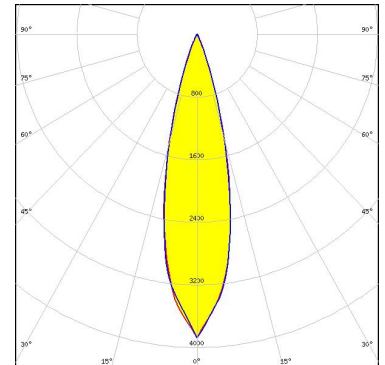
LED NV4x144A
 FWHM / FWTM 34.0° / 60.0°
 Efficiency 76 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



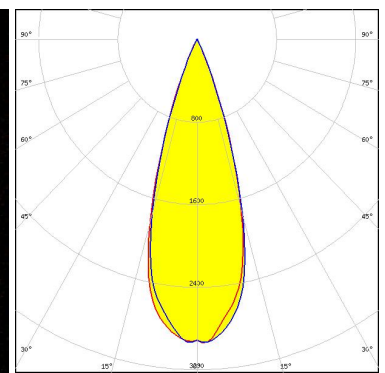
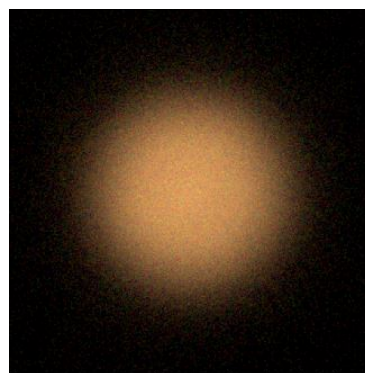
Light distribution files



LED 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:



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:

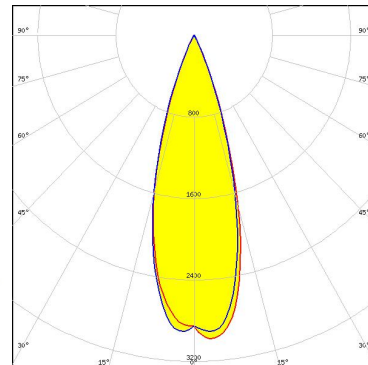
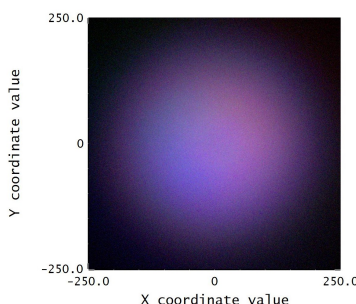


Light distribution files

OPTICAL RESULTS (SIMULATED):



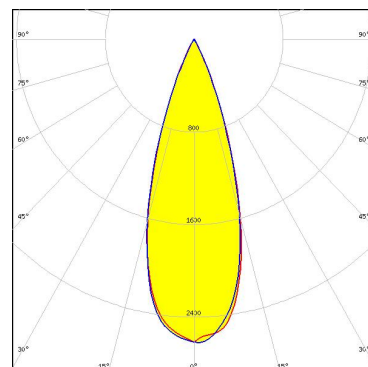
LED: OSTAR Stage (S2WM)
 FWHM / FWTM: 32.0° / 50.0°
 Efficiency: 86 %
 Peak intensity: 3 cd/lm
 LEDs/each optic: 1
 Light colour/type: White
 Required components:



Light distribution files



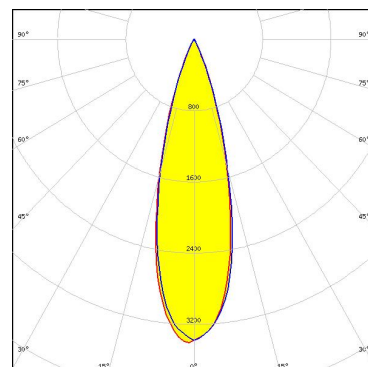
LED: LH351B
 FWHM / FWTM: 34.0° / 52.0°
 Efficiency: 86 %
 Peak intensity: 2.6 cd/lm
 LEDs/each optic: 1
 Light colour/type: White
 Required components:



Light distribution files



LED: 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

GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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Distribution Partners

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