

LEILA-Y-M

~25° medium beam. 14.8 mm high assembly with holder, installation tape and pins.

SPECIFICATION:

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

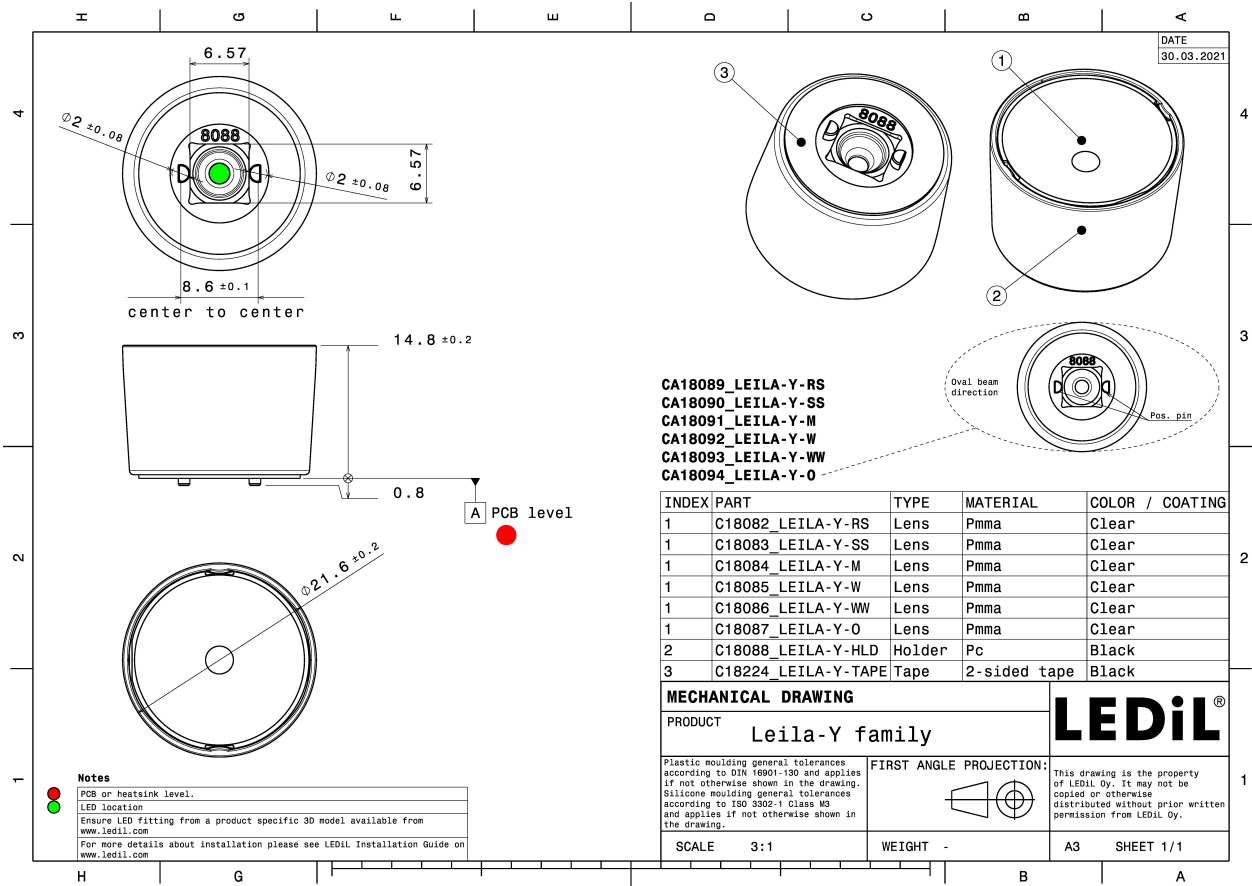
MATERIALS:

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



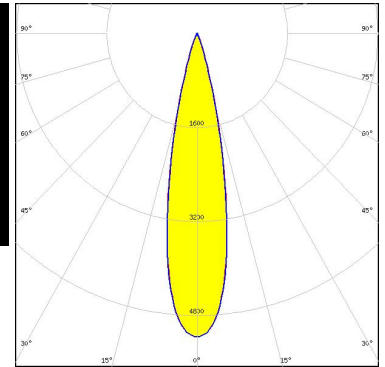


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



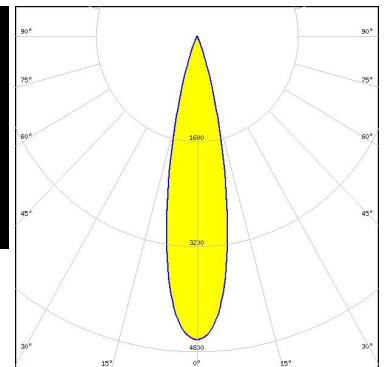
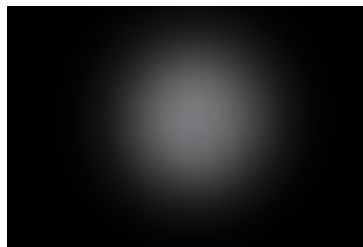
LED XHP35 HI
FWHM / FWTM 22.0° / 37.0°
Efficiency 83 %
Peak intensity 5.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



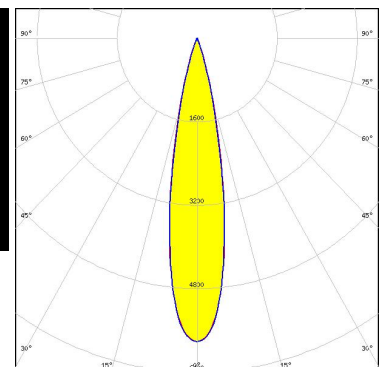
LED XP-G3
FWHM / FWTM 23.0° / 39.0°
Efficiency 78 %
Peak intensity 4.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



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:

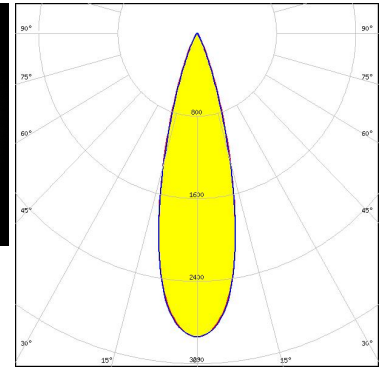
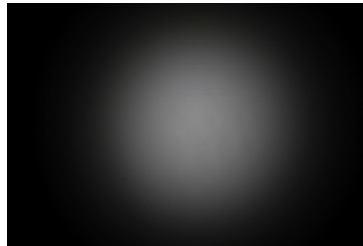


Light distribution files

OPTICAL RESULTS (MEASURED):



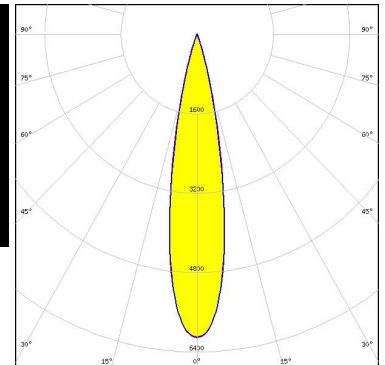
LED LUXEON 5050 Round LES
 FWHM / FWTM 28.0° / 48.0°
 Efficiency 77 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



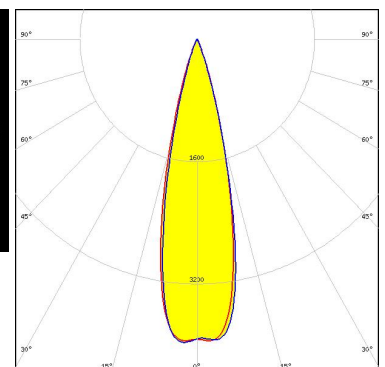
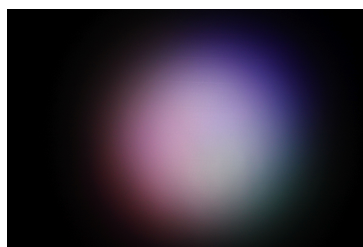
LED NVSW719AC
 FWHM / FWTM 21.0° / 35.0°
 Efficiency 85 %
 Peak intensity 6.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



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:

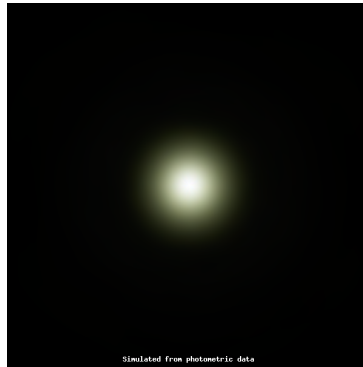


Light distribution files

OPTICAL RESULTS (SIMULATED):



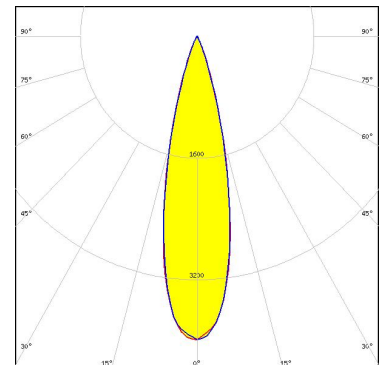
LED J Series 3030C
FWHM / FWMTM 20.0° / 36.0°
Efficiency 86 %
Peak intensity 6.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



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

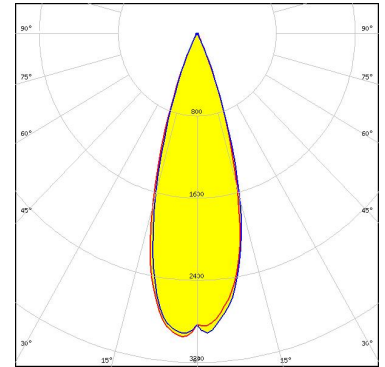


LED XHP50
FWHM / FWMTM 32.0° / 50.0°
Efficiency 80 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

OPTICAL RESULTS (SIMULATED):



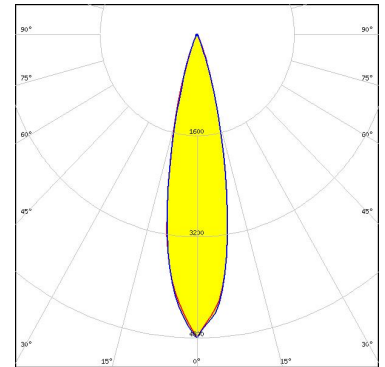
LED XM-L RGBW (XMLDCL HD)
FWHM / FWTM 32.0° / 48.0°
Efficiency 89 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files



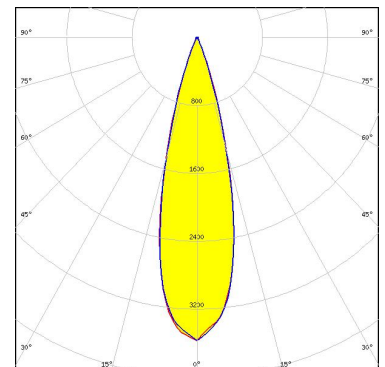
LED XM-L RGBW (XMLDCL HI)
FWHM / FWTM 23.0° / 40.0°
Efficiency 87 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:



Light distribution files



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

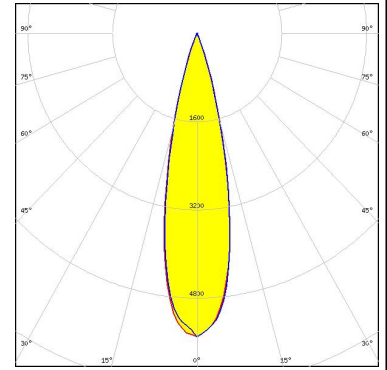


Light distribution files

OPTICAL RESULTS (SIMULATED):



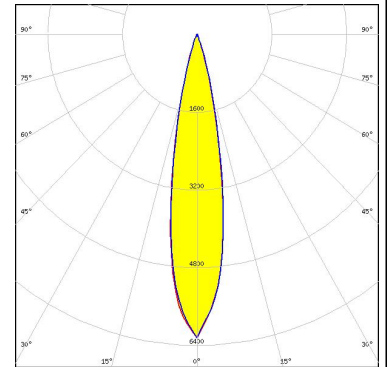
LED XP-G3
 FWHM / FWTM 24.0° / 39.0°
 Efficiency 83 %
 Peak intensity 4.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



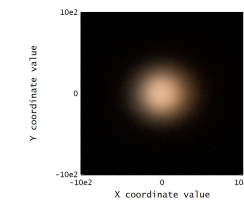
Light distribution files



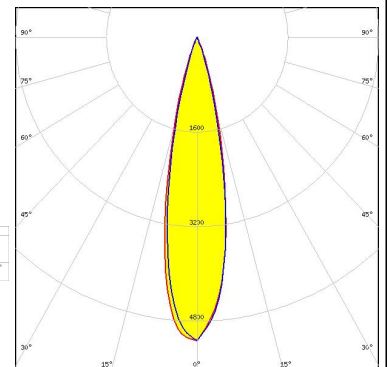
LED XP-G4 HI
 FWHM / FWTM 20.0° / 36.0°
 Efficiency 86 %
 Peak intensity 6.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



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



Detector Image: 11 luminance
 20.2.2024
 08:00:00 - 11:00:00
 Size: 2000x1000 x 16-bit grayscale, 1944x1000 at 4.000 x, total area = 840000
 Max. Illuminance: 1.000000 lux/cm²
 Total Power: 1.000000 W/cm²
 Zemax OptiCLM v21.3

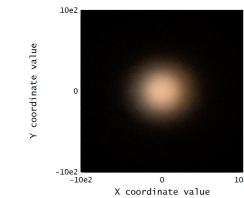


Light distribution files

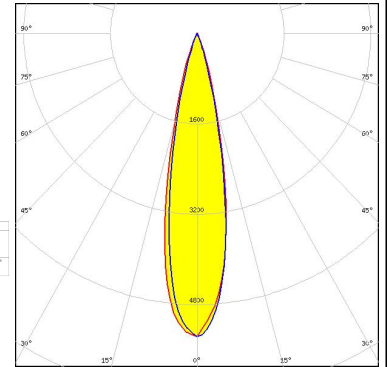
OPTICAL RESULTS (SIMULATED):



LED XQ-E HI
FWHM / FWTM 23.0 + 22.0° / 40.0 + 36.0°
Efficiency 86 %
Peak intensity 5.4 cd/lm
LEDs/each optic 2
Light colour/type White
Required components:



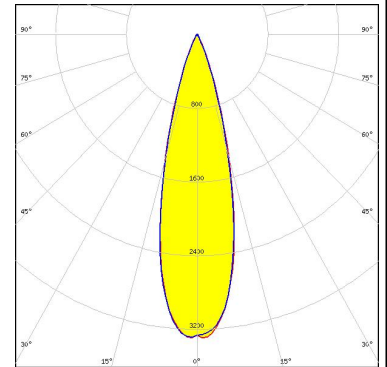
Detector Image: I1 Illuminance
 Zemax OptiModelio 21.3
 28.2.2024
 Simulation: 11, 1000 Surfaces, 1, 1000000
 Size: 200,000 x 1, 1000,000 x 1000,000, 1000,000 x 1000,000
 Max. Illuminance: 10,000,000,000
 Total Power: 1, 1, 1000,000,000,000



Light distribution files



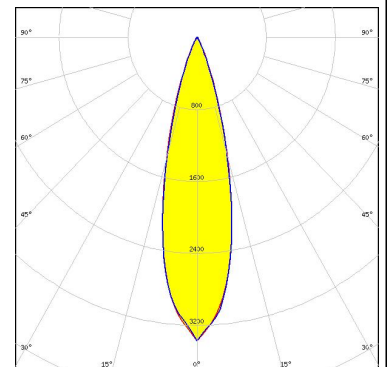
LED LUXEON 5050 Round LES
FWHM / FWTM 28.0° / 46.0°
Efficiency 81 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



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:

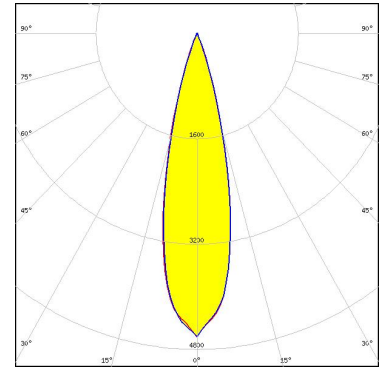


Light distribution files

OPTICAL RESULTS (SIMULATED):



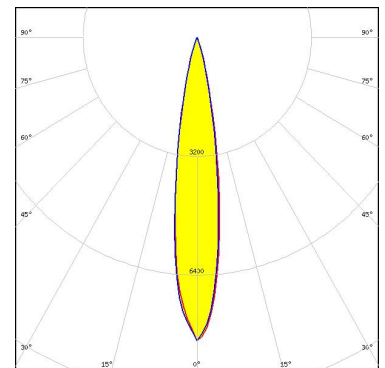
LED LUXEON HL2X
FWHM / FWTM 25.0° / 40.0°
Efficiency 88 %
Peak intensity 4.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



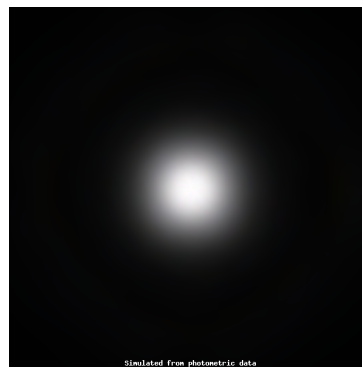
LED LUXEON Z ES
FWHM / FWTM 17.0° / 32.0°
Efficiency 87 %
Peak intensity 8.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

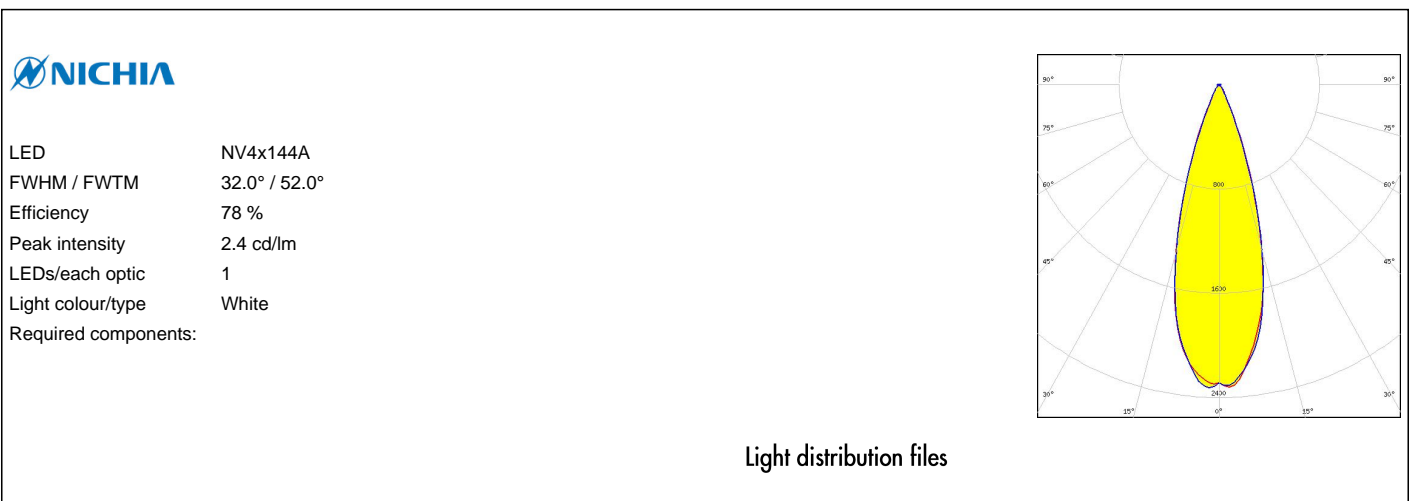
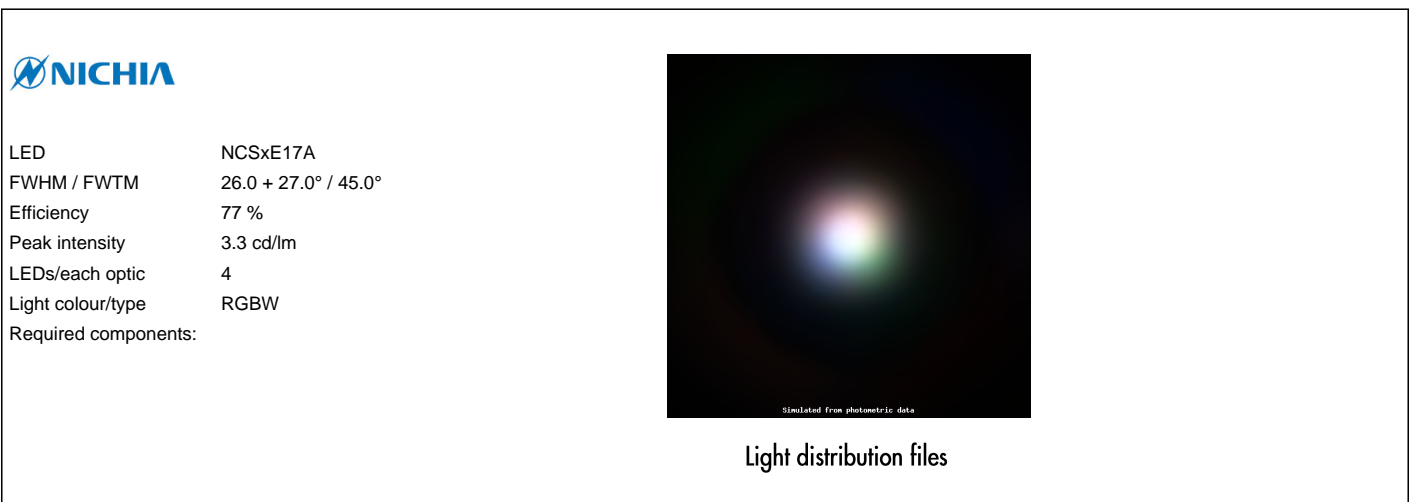
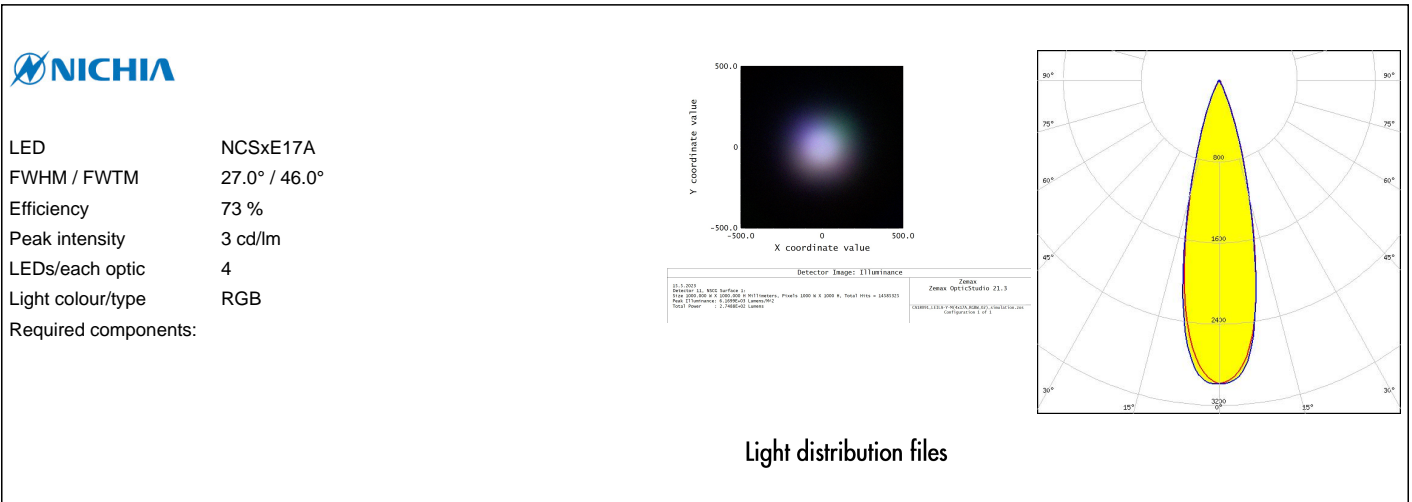


LED NCSxE17A
FWHM / FWTM 26.0° / 46.0°
Efficiency 75 %
Peak intensity 3.2 cd/lm
LEDs/each optic 4
Light colour/type White
Required components:



Light distribution files

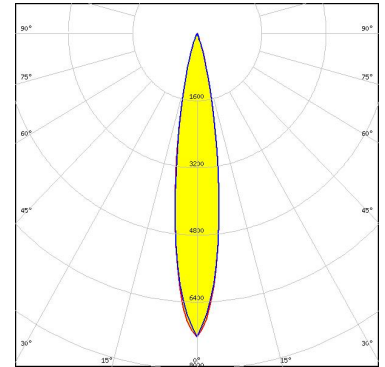
OPTICAL RESULTS (SIMULATED):



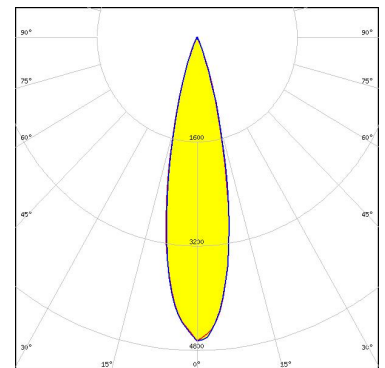
OPTICAL RESULTS (SIMULATED):



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:



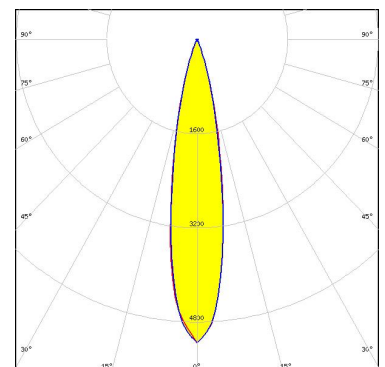
LED OSCONIQ P 3737 (3W version)
FWHM / FWTM 24.0° / 41.0°
Efficiency 85 %
Peak intensity 4.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED OSOLON 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:

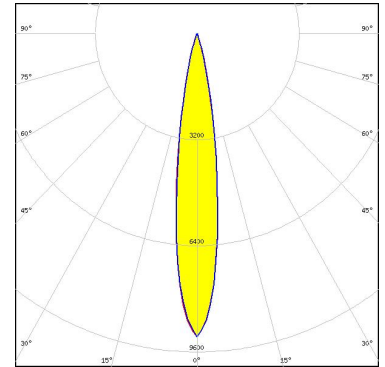


Light distribution files

OPTICAL RESULTS (SIMULATED):

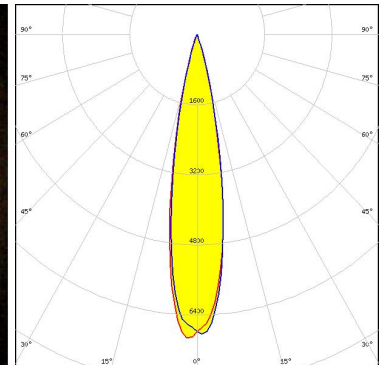
OSRAM
Opto Semiconductors

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:



OSRAM
Opto Semiconductors

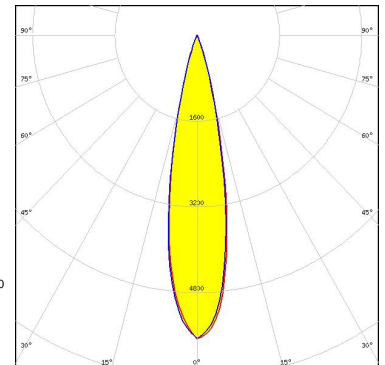
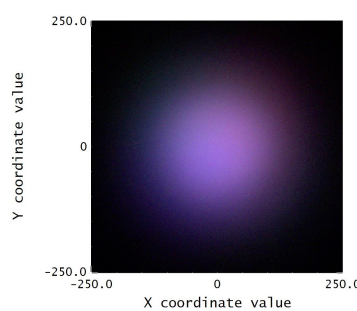
LED OSLON SSL 150
FWHM / FWTM 20.0° / 34.0°
Efficiency 88 %
LEDs/each optic 1
Light colour/type White
Required components:



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:

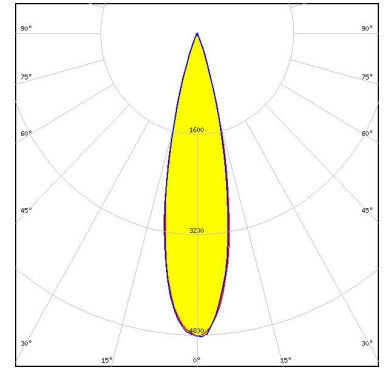


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

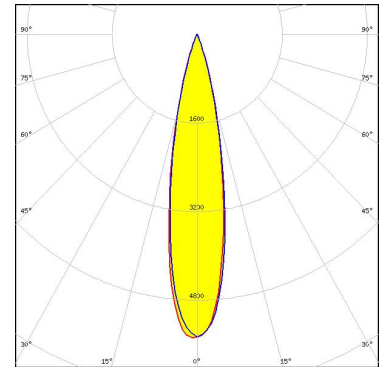
LED LH351B
FWHM / FWTM 24.0° / 40.0°
Efficiency 87 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED 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

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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