

LEILA-Y-SS

~14° smooth spot 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 ⓘ

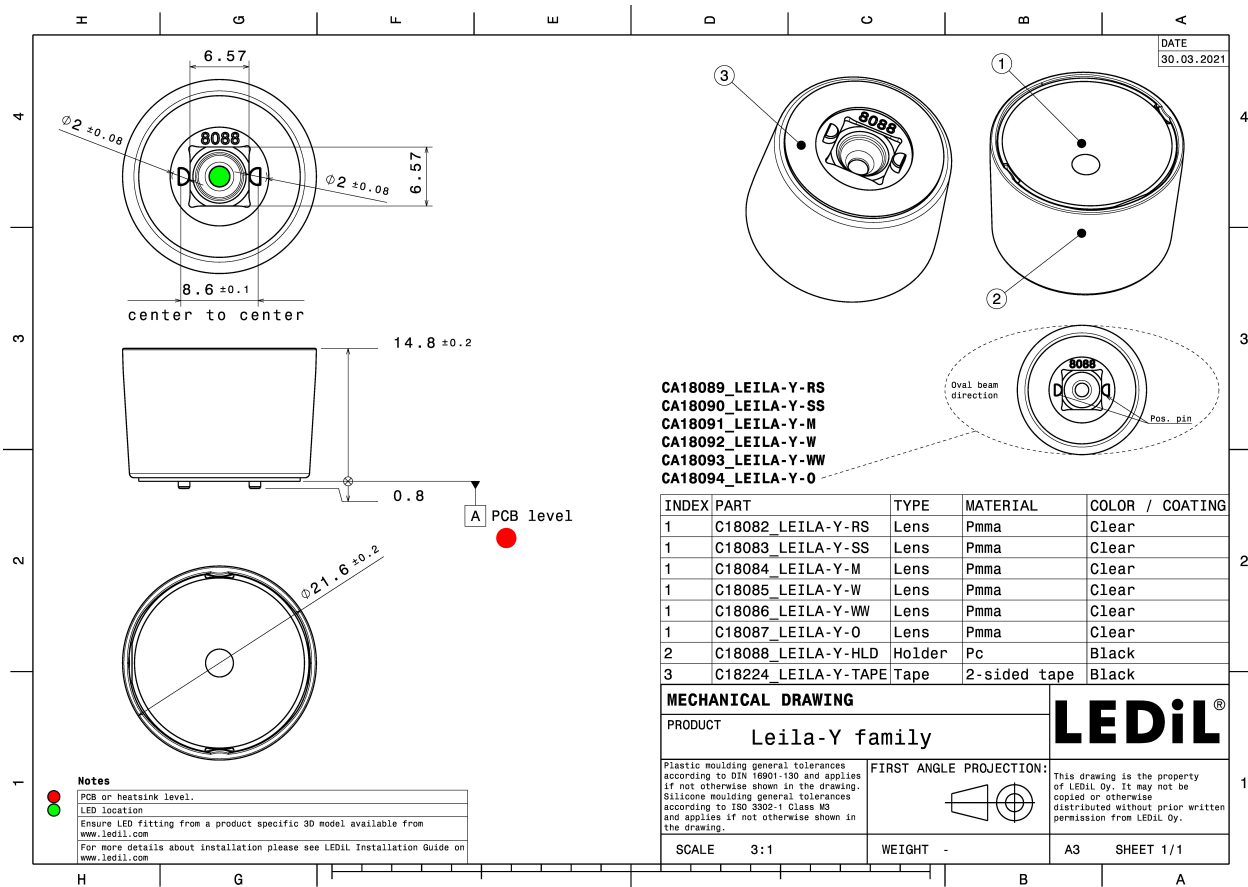


MATERIALS:

Component	Type	Material	Colour	Finish	Length
LEILA-Y-SS	Single lens	PMMA	clear	gloss	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)
CA18090_LEILA-Y-SS	1800	180	180	7.2
» Box size: 476 x 273 x 197 mm				

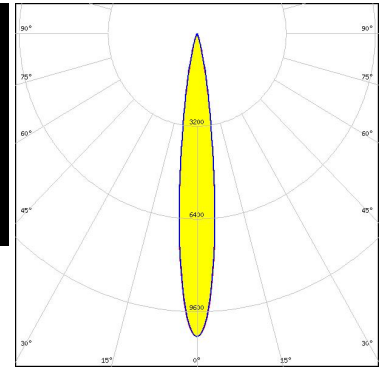


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



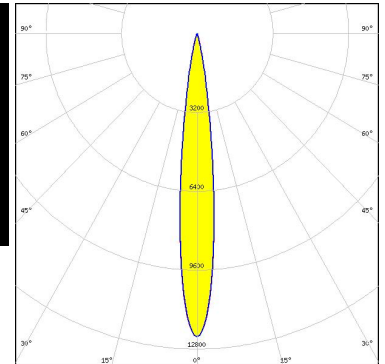
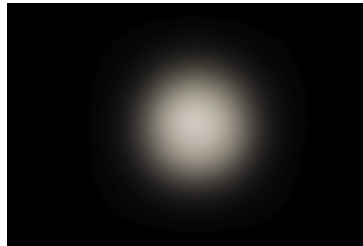
LED XHP35 HI
FWHM / FWTM 14.0° / 27.0°
Efficiency 83 %
Peak intensity 10.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



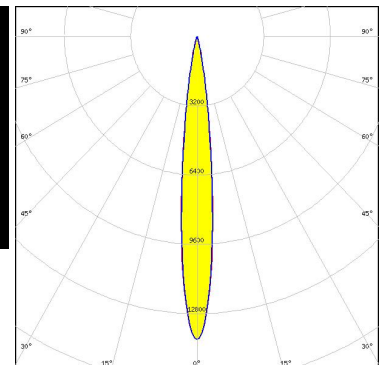
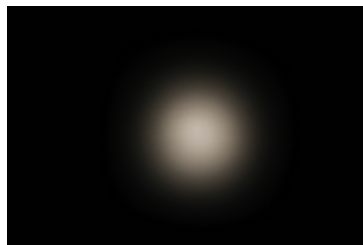
LED XP-G4
FWHM / FWTM 13.0° / 25.0°
Efficiency 85 %
Peak intensity 12.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NVSW719AC
FWHM / FWTM 12.0° / 24.0°
Efficiency 85 %
Peak intensity 14 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

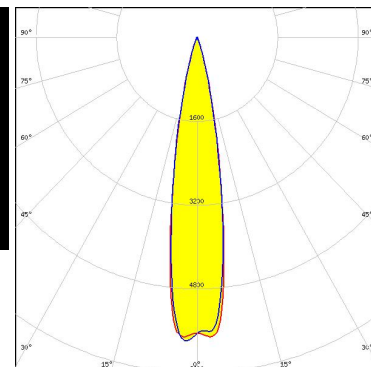
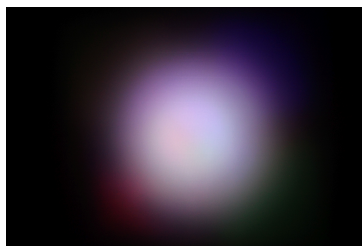


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

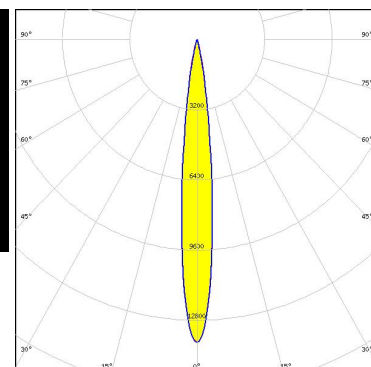
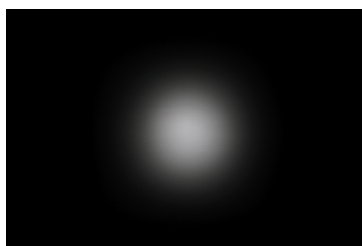
LED OSLON Pure 1414
FWHM / FWTM 19.0° / 33.0°
Efficiency 80 %
Peak intensity 5.9 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 12.0° / 24.0°
Efficiency 84 %
Peak intensity 13.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

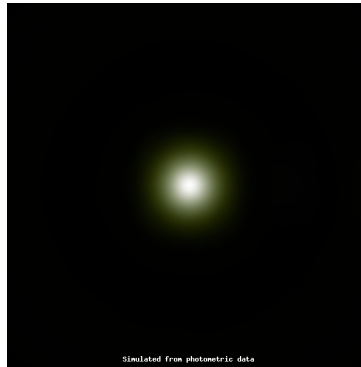


Light distribution files

OPTICAL RESULTS (SIMULATED):



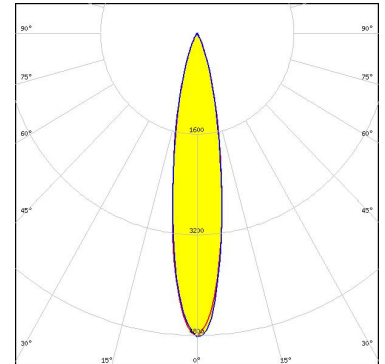
LED J Series 3030C
FWHM / FWTM 13.0 + 14.0° / 27.0 + 28.0°
Efficiency 87 %
Peak intensity 11.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



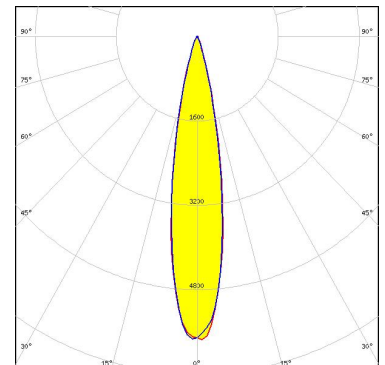
LED J Series 5050 Round LES
FWHM / FWTM 19.0° / 42.0°
Efficiency 82 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XHP35 HD
FWHM / FWTM 20.0° / 36.0°
Efficiency 83 %
Peak intensity 5.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

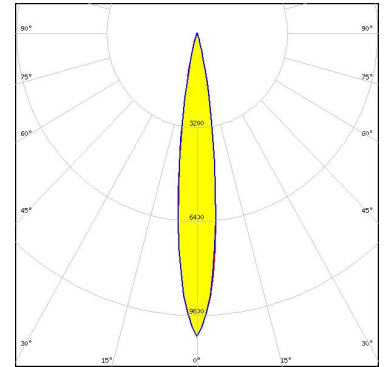


Light distribution files

OPTICAL RESULTS (SIMULATED):



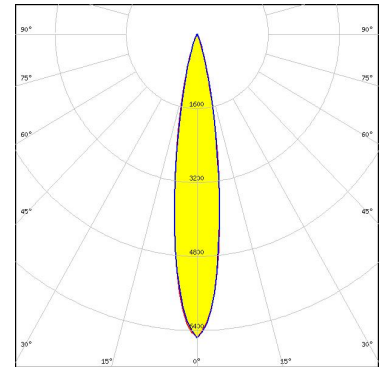
LED XHP35 HI
FWHM / FWTM 14.0° / 28.0°
Efficiency 87 %
Peak intensity 10.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



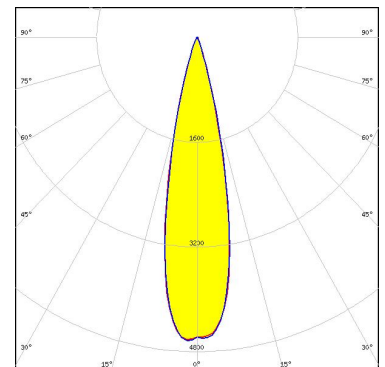
Light distribution files



LED XHP35.2 HI
FWHM / FWTM 18.0° / 34.0°
Efficiency 83 %
Peak intensity 6.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



LED XM-L RGBW (XMLDCL HD)
FWHM / FWTM 24.0° / 38.0°
Efficiency 83 %
Peak intensity 4.7 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:

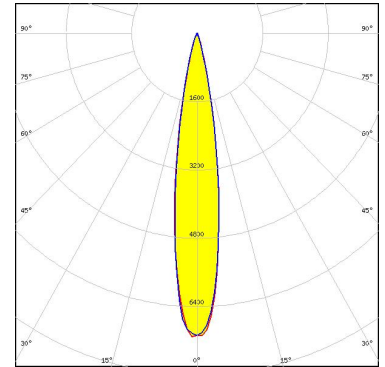


Light distribution files

OPTICAL RESULTS (SIMULATED):



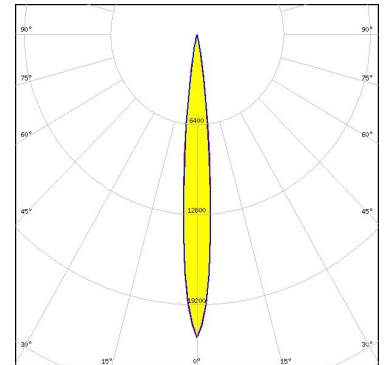
LED XM-L3
 FWHM / FWTM 17.0° / 31.0°
 Efficiency 80 %
 Peak intensity 7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



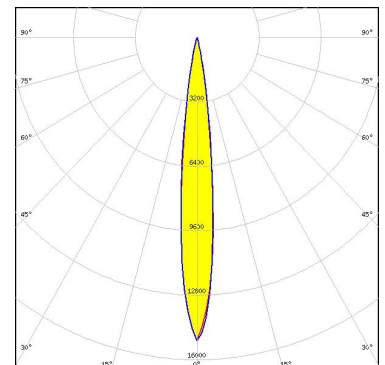
LED XP-E2
 FWHM / FWTM 11.0° / 20.0°
 Efficiency 91 %
 Peak intensity 21 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-G2
 FWHM / FWTM 13.0° / 24.0°
 Efficiency 90 %
 Peak intensity 15 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

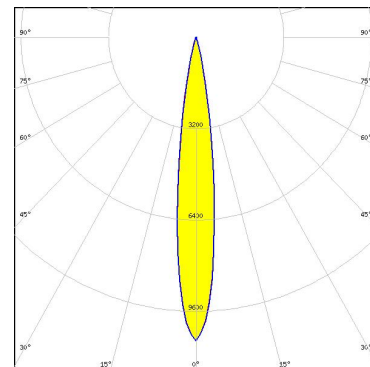


Light distribution files

OPTICAL RESULTS (SIMULATED):



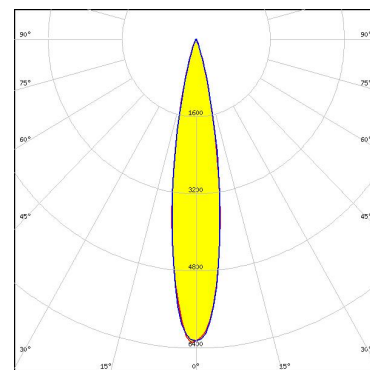
LED XP-G3
FWHM / FWTM 14.0° / 27.0°
Efficiency 84 %
Peak intensity 10 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



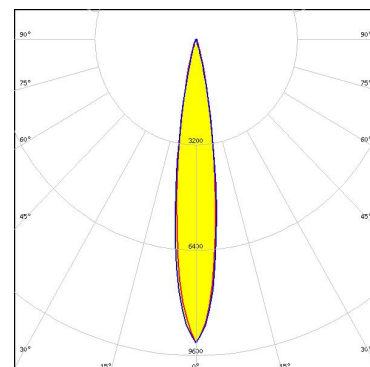
LED XP-L2
FWHM / FWTM 18.0° / 34.0°
Efficiency 81 %
Peak intensity 6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XQ-E HD
FWHM / FWTM 15.0 + 16.0° / 30.0 + 28.0°
Efficiency 86 %
Peak intensity 9.2 cd/lm
LEDs/each optic 2
Light colour/type White
Required components:

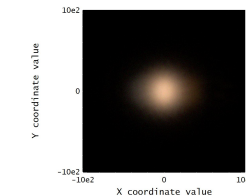


Light distribution files

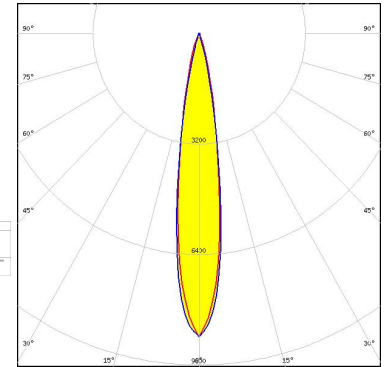
OPTICAL RESULTS (SIMULATED):



LED XQ-E HI
FWHM / FWTM 16.0° / 33.0 + 30.0°
Efficiency 87 %
Peak intensity 8.8 cd/Im
LEDs/each optic 2
Light colour/type White
Required components:



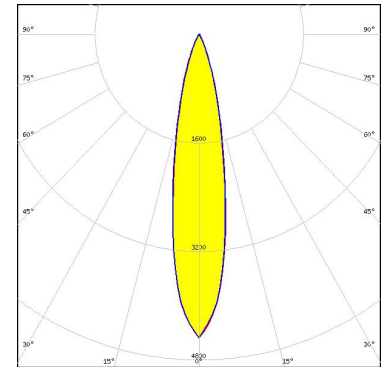
20.2.2024	Detector Image: Illuminance	Zemax
Simulation: 12, 1402, 1402, 1402, 1402		Zemax OpticStudio 21.3
Size: 200,000 x 1,200,000 x 1,200,000		
Max. Illuminance: 1,200,000 (cd/m²)		
Total Power: 1,181,700 (cd)		



Light distribution files



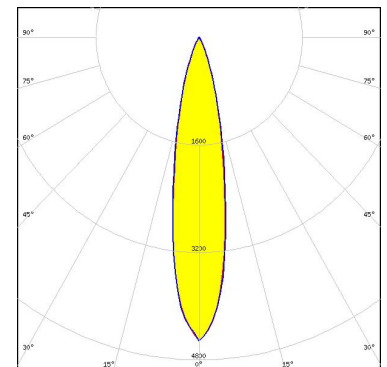
LED LUXEON 5050 Round LES
FWHM / FWTM 20.0° / 42.0°
Efficiency 82 %
Peak intensity 4.5 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON 5050 Round LES
FWHM / FWTM 20.0° / 43.0°
Efficiency 82 %
Peak intensity 4.5 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:

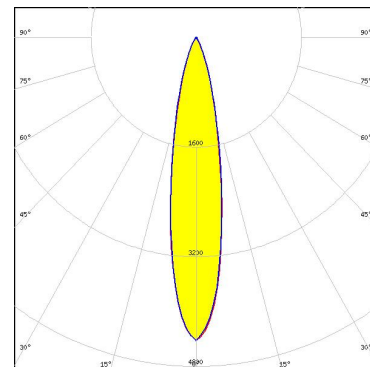


Light distribution files

OPTICAL RESULTS (SIMULATED):



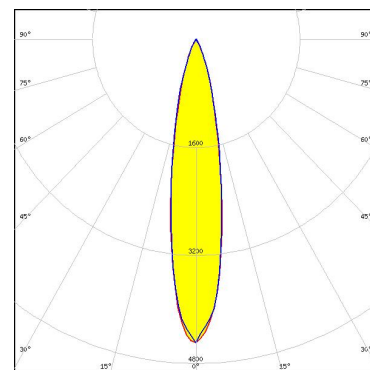
LED LUXEON 5050 Square LES
 FWHM / FWTM 20.0° / 44.0°
 Efficiency 81 %
 Peak intensity 4.4 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



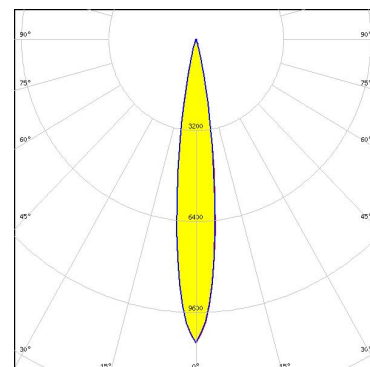
LED LUXEON 5050 Square LES
 FWHM / FWTM 20.0° / 43.0°
 Efficiency 81 %
 Peak intensity 4.5 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON HL2X
 FWHM / FWTM 14.0° / 28.0°
 Efficiency 87 %
 Peak intensity 10.7 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:

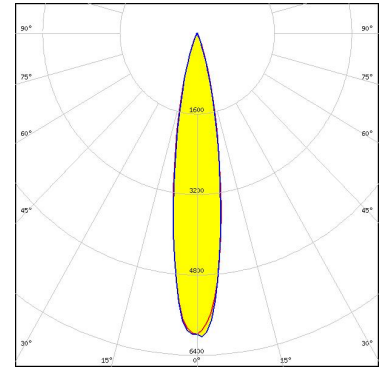


Light distribution files

OPTICAL RESULTS (SIMULATED):



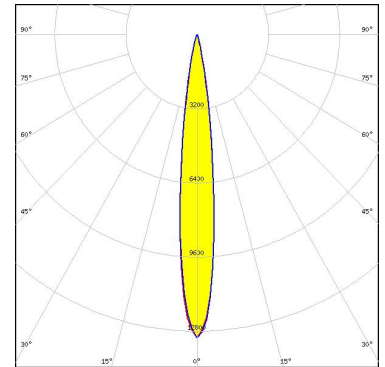
LED LUXEON MZ
FWHM / FWTM 18.0° / 36.0°
Efficiency 84 %
Peak intensity 6 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON TX
FWHM / FWTM 13.0° / 25.0°
Efficiency 88 %
Peak intensity 13 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NCSxE17A
FWHM / FWTM 17.0 + 18.0° / 44.0°
Efficiency 78 %
Peak intensity 4.3 cd/Im
LEDs/each optic 4
Light colour/type RGBW
Required components:

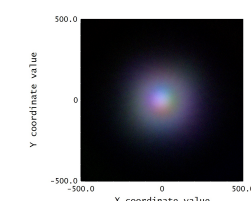


Light distribution files

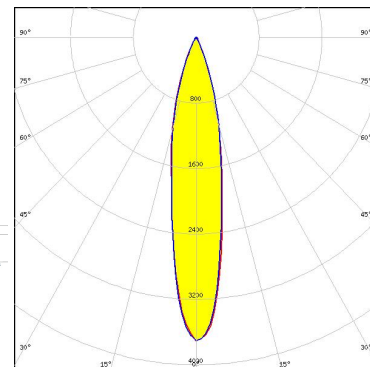
OPTICAL RESULTS (SIMULATED):



LED NCSxE17A
FWHM / FWTM 20.0° / 46.0°
Efficiency 75 %
Peak intensity 3.7 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:



Detector Image: Illuminance
Zemax OpticStudio 21.3
11-1-2021
Simulation of LED surface
Size: 200.000 x 200.000 mm (8x8 inch)
Peak Intensity: 3.700000 cd/lm
Total Power: 1.480000 Watts



Light distribution files



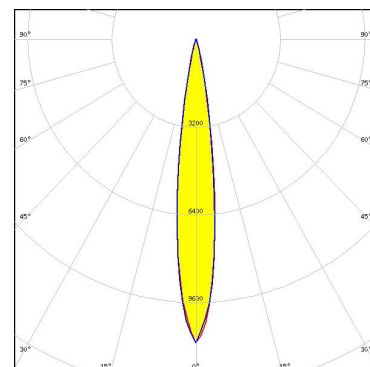
LED NCSxE17A
FWHM / FWTM 16.0° / 44.0°
Efficiency 77 %
Peak intensity 4.3 cd/lm
LEDs/each optic 4
Light colour/type White
Required components:



Light distribution files



LED NVSW219F
FWHM / FWTM 14.0° / 27.0°
Efficiency 88 %
Peak intensity 11 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

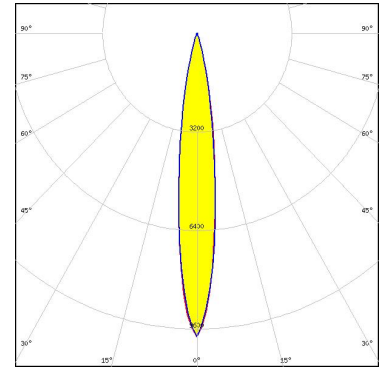


Light distribution files

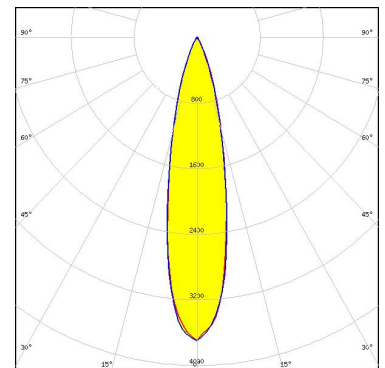
OPTICAL RESULTS (SIMULATED):



LED NVSxE21A
 FWHM / FWTM 14.0° / 30.0°
 Efficiency 84 %
 Peak intensity 9.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



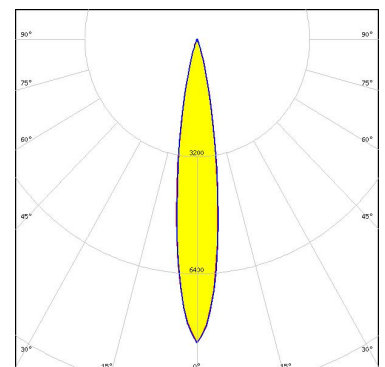
LED Duris S8
 FWHM / FWTM 23.0° / 47.0°
 Efficiency 80 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED OSCONIQ P 3737 (3W version)
 FWHM / FWTM 16.0° / 32.0°
 Efficiency 86 %
 Peak intensity 8.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

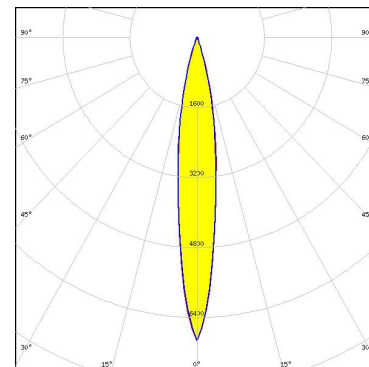


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

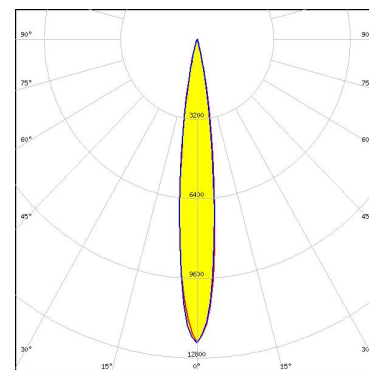
LED OSLON PURE 1010
FWHM / FWTM 15.0° / 34.0°
Efficiency 79 %
Peak intensity 6.9 cd/lm
LEDs/each optic 4
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

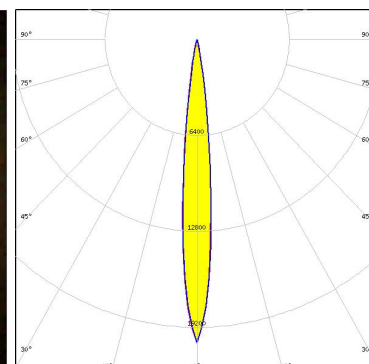
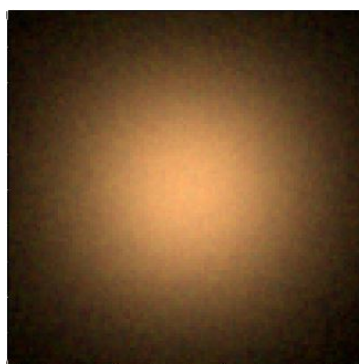
LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 14.0° / 27.0°
Efficiency 88 %
Peak intensity 12 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLON SSL 150
FWHM / FWTM 11.0° / 21.0°
Efficiency 91 %
Peak intensity 20 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

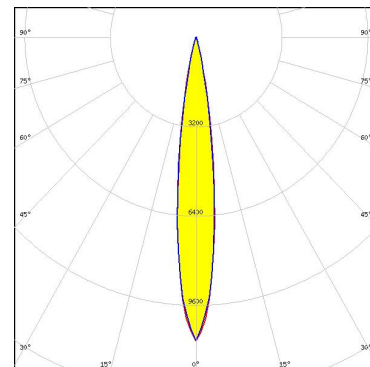


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

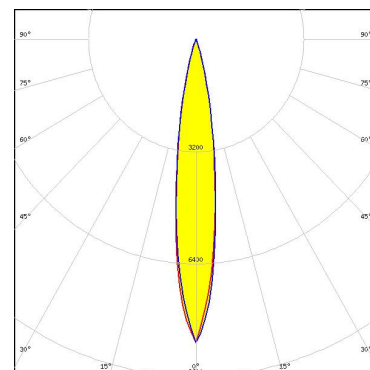
LED LH351B
FWHM / FWTM 14.0° / 28.0°
Efficiency 86 %
Peak intensity 11 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED Z5M4
FWHM / FWTM 16.0° / 32.0°
Efficiency 87 %
Peak intensity 8.7 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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LEDiL Oy

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

Shipping locations

Salo, Finland
Hong Kong, China

Distribution Partners

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