

LEILA-Y-O

~45° + 15° oval 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 ⓘ

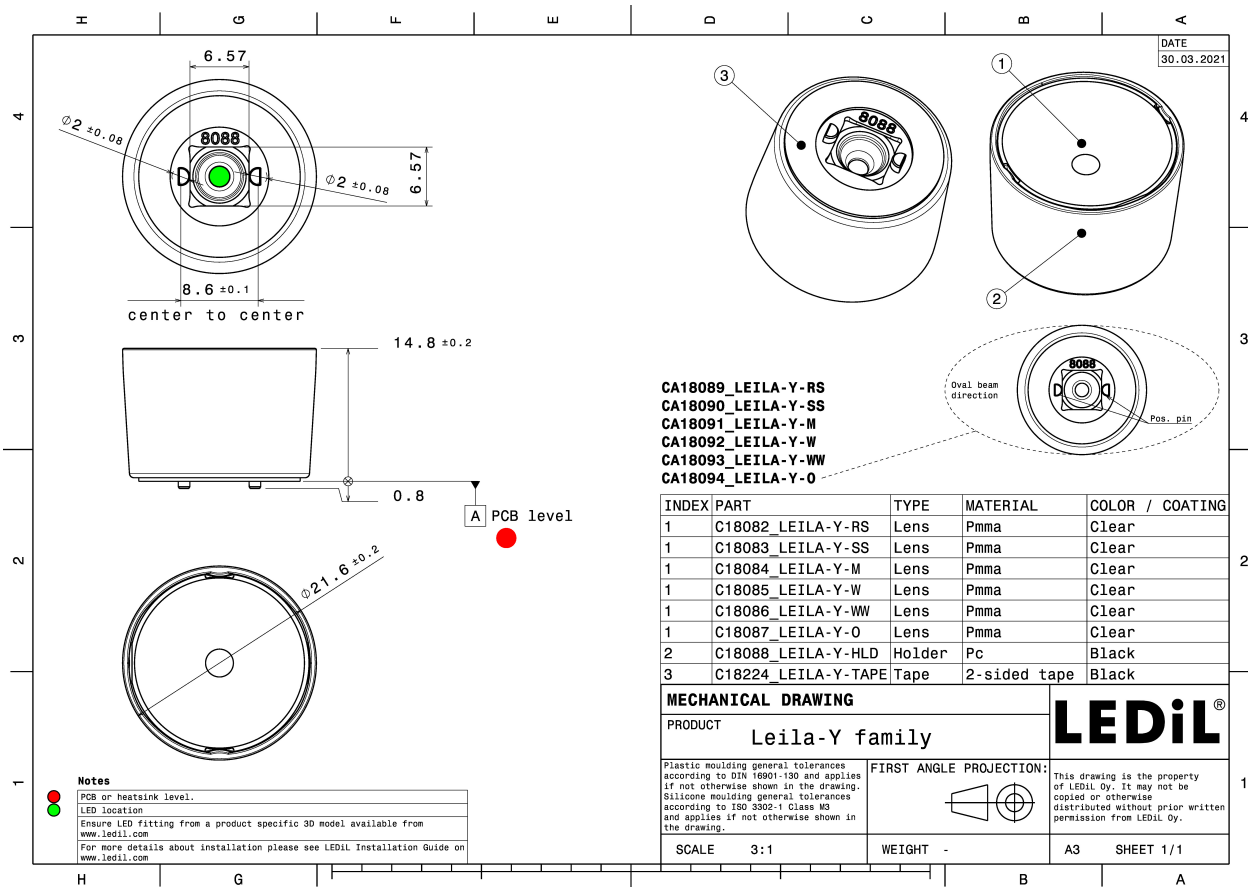


MATERIALS:

Component	Type	Material	Colour	Finish	Length
LEILA-Y-O	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)
CA18094_LEILA-Y-O » Box size: 476 x 273 x 197 mm	1800	180	180	7.6

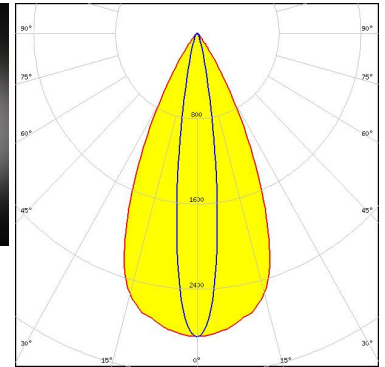
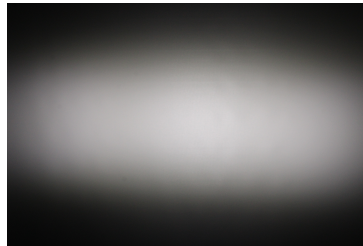


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



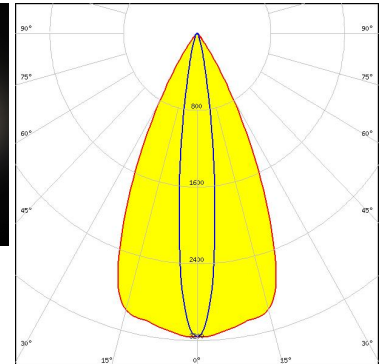
LED XHP35 HI
 FWHM / FWTM 49.0 + 16.0° / 70.0 + 31.0°
 Efficiency 80 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



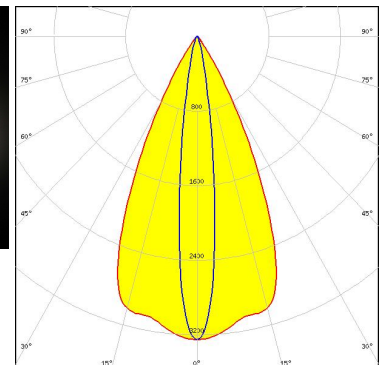
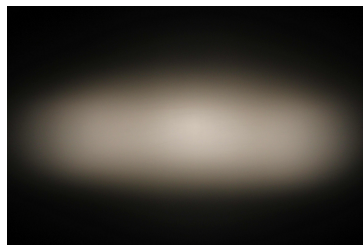
LED XP-G4
 FWHM / FWTM 50.0 + 14.0° / 69.0 + 29.0°
 Efficiency 81 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSW719AC
 FWHM / FWTM 50.0 + 14.0° / 68.0 + 28.0°
 Efficiency 81 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

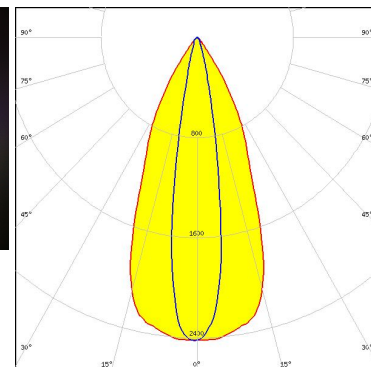
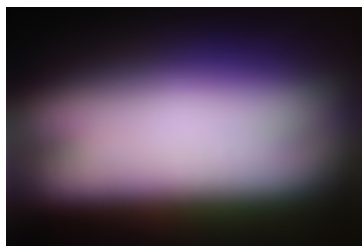


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED	OSLON Pure 1414
FWHM / FWTM	44.0 + 18.0° / 72.0 + 34.0°
Efficiency	78 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OPTICAL RESULTS (SIMULATED):



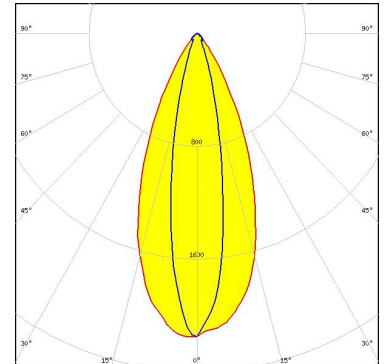
LED J Series 3030C
FWHM / FWTM 50.0 + 14.0° / 70.0 + 26.0°
Efficiency 81 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



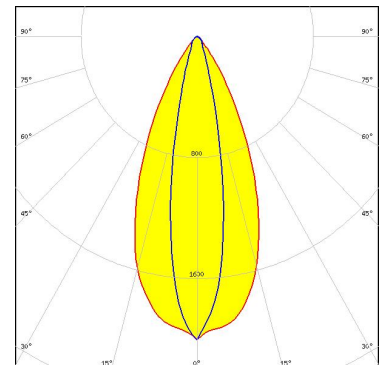
LED J Series 5050 Round LES
FWHM / FWTM 20.0 + 44.0°
Efficiency 78 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



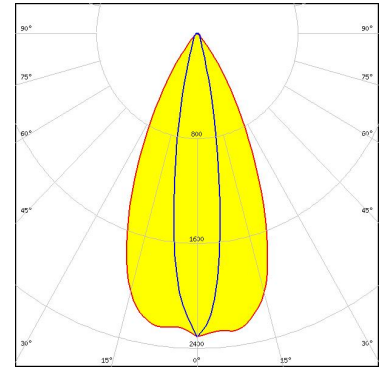
LED J Series 5050B 6V K Class
FWHM / FWTM 46.0 + 20.0° / 74.0 + 42.0°
Efficiency 77 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



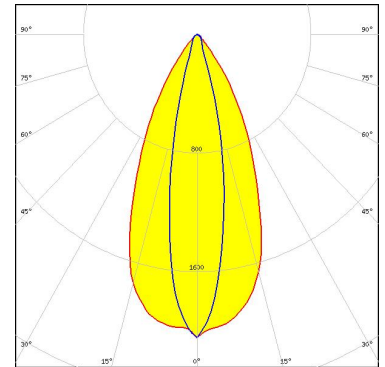
OPTICAL RESULTS (SIMULATED):



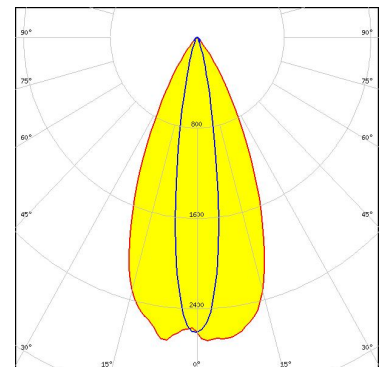
LED XHP35.2 HI
FWHM / FWTM 49.0 + 18.0° / 74.0 + 34.0°
Efficiency 78 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



LED XM-L RGBW (XMLDCL HD)
FWHM / FWTM 48.0 + 22.0° / 78.0 + 38.0°
Efficiency 79 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:



LED XM-L2
FWHM / FWTM 17.0 + 47.0°
Efficiency 81 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

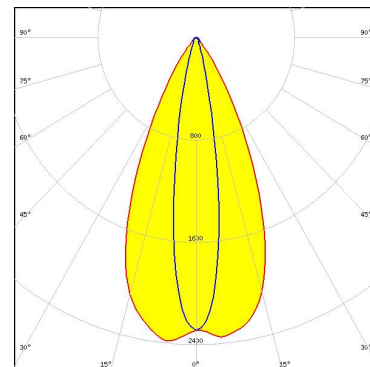


Light distribution files

OPTICAL RESULTS (SIMULATED):



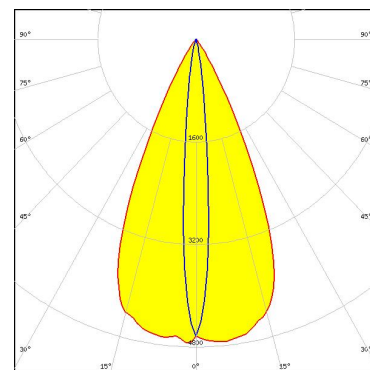
LED XM-L3
FWHM / FWTM 17.0 + 48.0°
Efficiency 76 %
Peak intensity 2.4 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



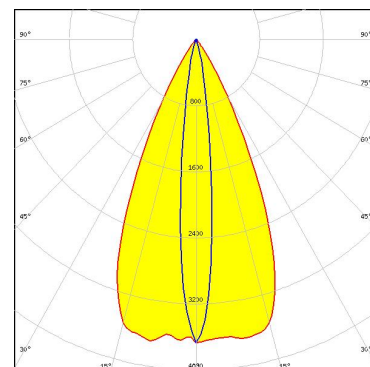
LED XP-E2
FWHM / FWTM 10.0 + 49.0°
Efficiency 85 %
Peak intensity 4.7 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G2
FWHM / FWTM 13.0 + 49.0°
Efficiency 84 %
Peak intensity 3.7 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:

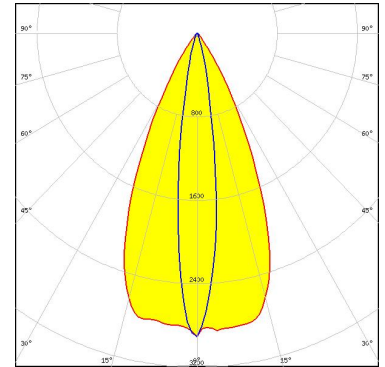


Light distribution files

OPTICAL RESULTS (SIMULATED):



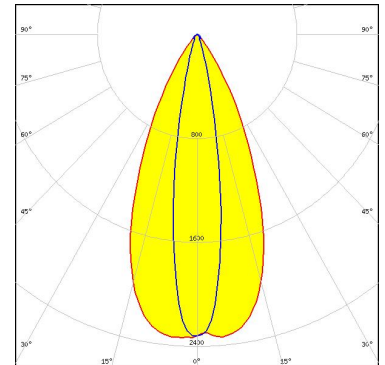
LED	XP-G3
FWHM / FWTM	15.0 + 48.0°
Efficiency	80 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



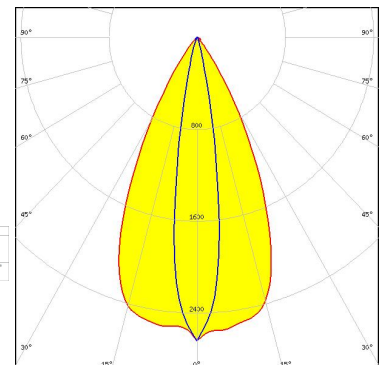
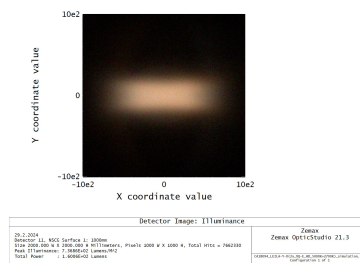
LED	XP-L2
FWHM / FWTM	18.0 + 47.0°
Efficiency	77 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



LED	XQ-E HD
FWHM / FWTM	51.0 + 16.0° / 72.0 + 29.0°
Efficiency	82 %
Peak intensity	2.6 cd/lm
LEDs/each optic	2
Light colour/type	White
Required components:	

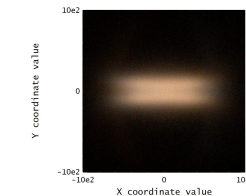


Light distribution files

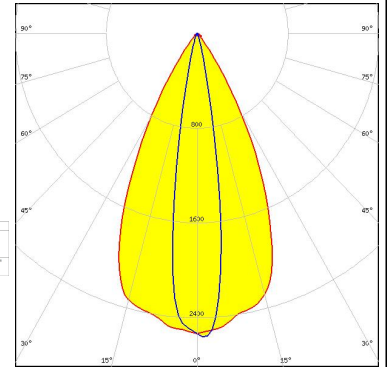
OPTICAL RESULTS (SIMULATED):



LED XQ-E HI
 FWHM / FWTM 52.0 + 18.0° / 72.0 + 28.0°
 Efficiency 82 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 2
 Light colour/type White
 Required components:



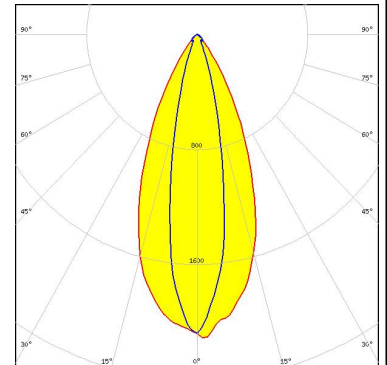
Detector Image: Illuminance
 20.2.2024
 Zemax OptiStudio 21.3



Light distribution files



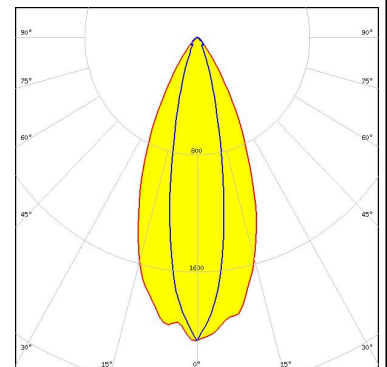
LED LUXEON 5050 Round LES
 FWHM / FWTM 21.0 + 44.0°
 Efficiency 78 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON 5050 Square LES
 FWHM / FWTM 21.0 + 44.0°
 Efficiency 78 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

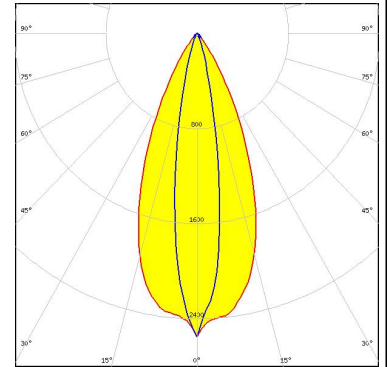


Light distribution files

OPTICAL RESULTS (SIMULATED):



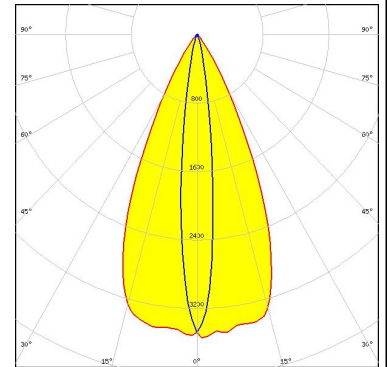
LED LUXEON MZ
 FWHM / FWTM 17.0 + 43.0°
 Efficiency 78 %
 Peak intensity 2.5 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON TX
 FWHM / FWTM 13.0 + 48.0°
 Efficiency 82 %
 Peak intensity 3.6 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NCSxE17A
 FWHM / FWTM 44.0 + 20.0° / 74.0 + 40.0°
 Efficiency 72 %
 Peak intensity 2 cd/Im
 LEDs/each optic 4
 Light colour/type White
 Required components:

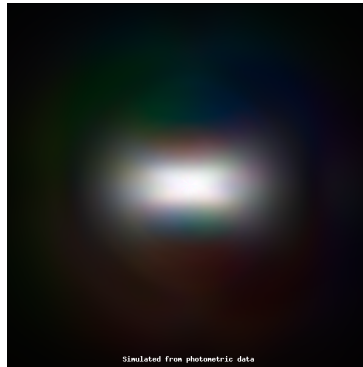


Light distribution files

OPTICAL RESULTS (SIMULATED):



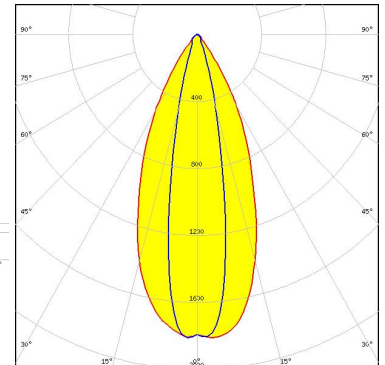
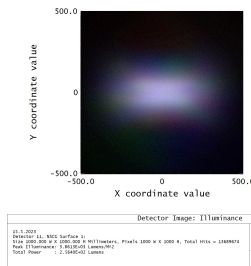
LED NCSxE17A
 FWHM / FWTM 44.0 + 20.0° / 74.0 + 39.0°
 Efficiency 73 %
 Peak intensity 2 cd/lm
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:



Light distribution files



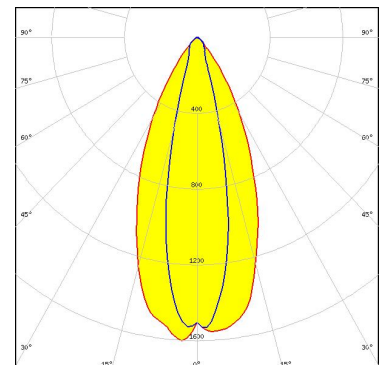
LED NCSxE17A
 FWHM / FWTM 45.0 + 21.0° / 74.0 + 40.0°
 Efficiency 70 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:



Light distribution files



LED NV4x144A
 FWHM / FWTM 46.0 + 24.0° / 78.0 + 42.0°
 Efficiency 69 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

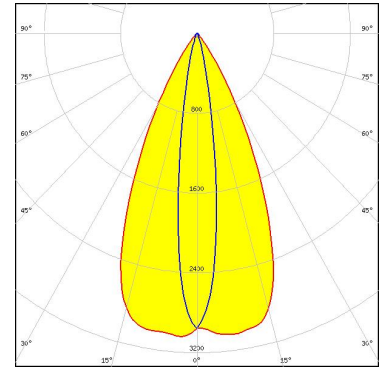


Light distribution files

OPTICAL RESULTS (SIMULATED):



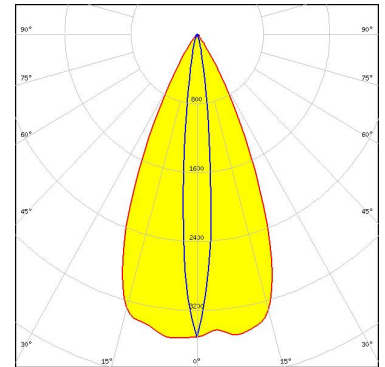
LED NVSW219F
 FWHM / FWTM 15.0 + 50.0°
 Efficiency 83 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



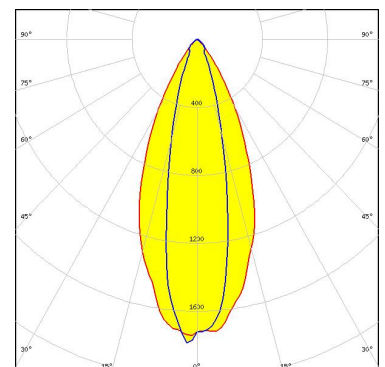
Light distribution files



LED NVSxE21A
 FWHM / FWTM 48.0 + 11.0° / 66.0 + 24.0°
 Efficiency 77 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



LED Duris S8
 FWHM / FWTM 24.0 + 44.0°
 Efficiency 77 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

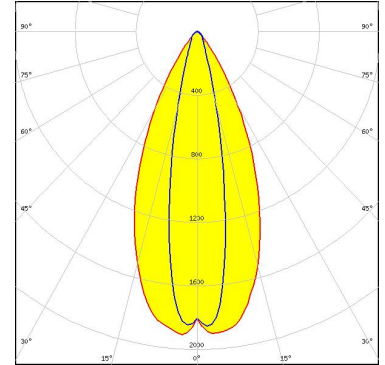


Light distribution files

OPTICAL RESULTS (SIMULATED):

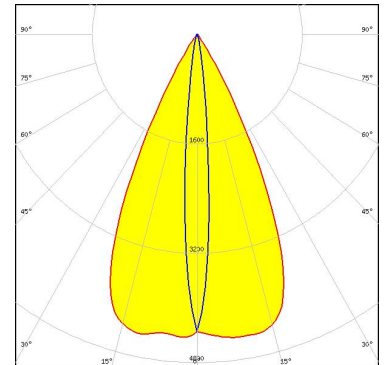
OSRAM
Opto Semiconductors

LED OSCONIQ S 5050
FWHM / FWTM 47.0 + 22.0° / 76.0 + 43.0°
Efficiency 76 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



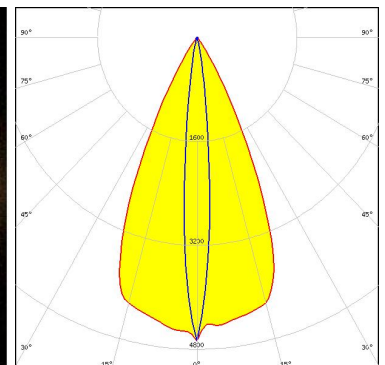
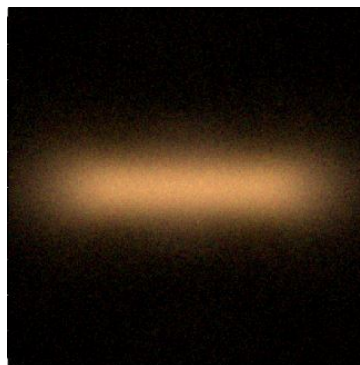
OSRAM
Opto Semiconductors

LED OSLO Pure 1414
FWHM / FWTM 52.0 + 10.0° / 66.0 + 20.0°
Efficiency 84 %
Peak intensity 4.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



OSRAM
Opto Semiconductors

LED OSLO SSL 150
FWHM / FWTM 10.0 + 49.0°
Efficiency 84 %
Peak intensity 4.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

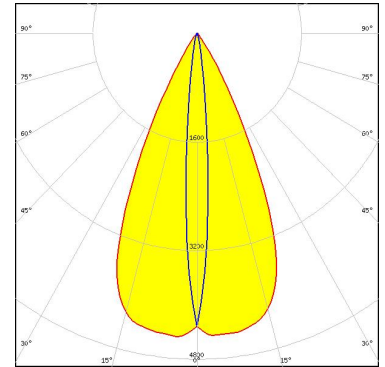


Light distribution files

OPTICAL RESULTS (SIMULATED):

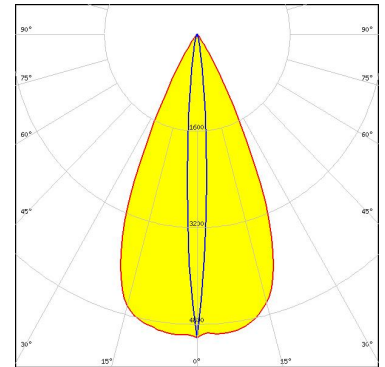
OSRAM
Opto Semiconductors

LED SYNIOS S2222
FWHM / FWTM 50.0 + 9.0° / 67.0 + 20.0°
Efficiency 83 %
Peak intensity 4.5 cd/lm
LEDs/each optic 1
Light colour/type Blue
Required components:



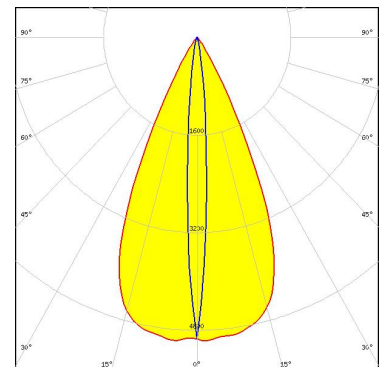
OSRAM
Opto Semiconductors

LED SYNIOS S2222
FWHM / FWTM 48.0 + 8.0° / 65.0 + 20.0°
Efficiency 83 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour/type Red
Required components:



OSRAM
Opto Semiconductors

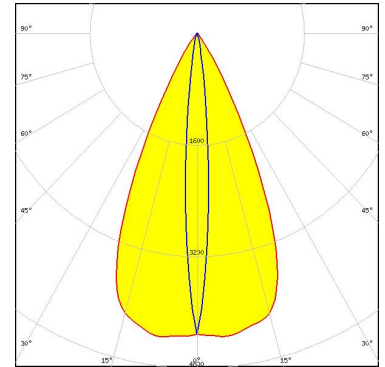
LED SYNIOS S2222
FWHM / FWTM 50.0 + 8.0° / 66.0 + 20.0°
Efficiency 83 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour/type Yellow
Required components:



OPTICAL RESULTS (SIMULATED):

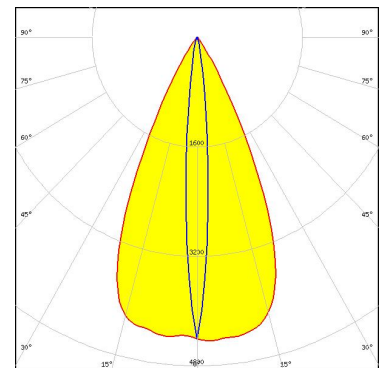
OSRAM
Opto Semiconductors

LED SYNIOS S2222
FWHM / FWTM 50.0 + 10.0° / 67.0 + 20.0°
Efficiency 82 %
Peak intensity 4.4 cd/lm
LEDs/each optic 1
Light colour/type Blue
Required components:



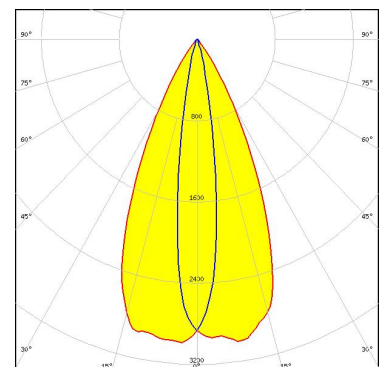
OSRAM
Opto Semiconductors

LED SYNIOS S2222
FWHM / FWTM 50.0 + 8.0° / 66.0 + 20.0°
Efficiency 83 %
Peak intensity 4.4 cd/lm
LEDs/each optic 1
Light colour/type Green
Required components:



SAMSUNG

LED LH351B
FWHM / FWTM 15.0 + 49.0°
Efficiency 81 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OPTICAL RESULTS (SIMULATED):



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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