

TINA-Y-O

~45° + 15° oval beam. Assembly with holder, installation tape and pins.

SPECIFICATION:

Dimensions	Ø 16.1
Height	10 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

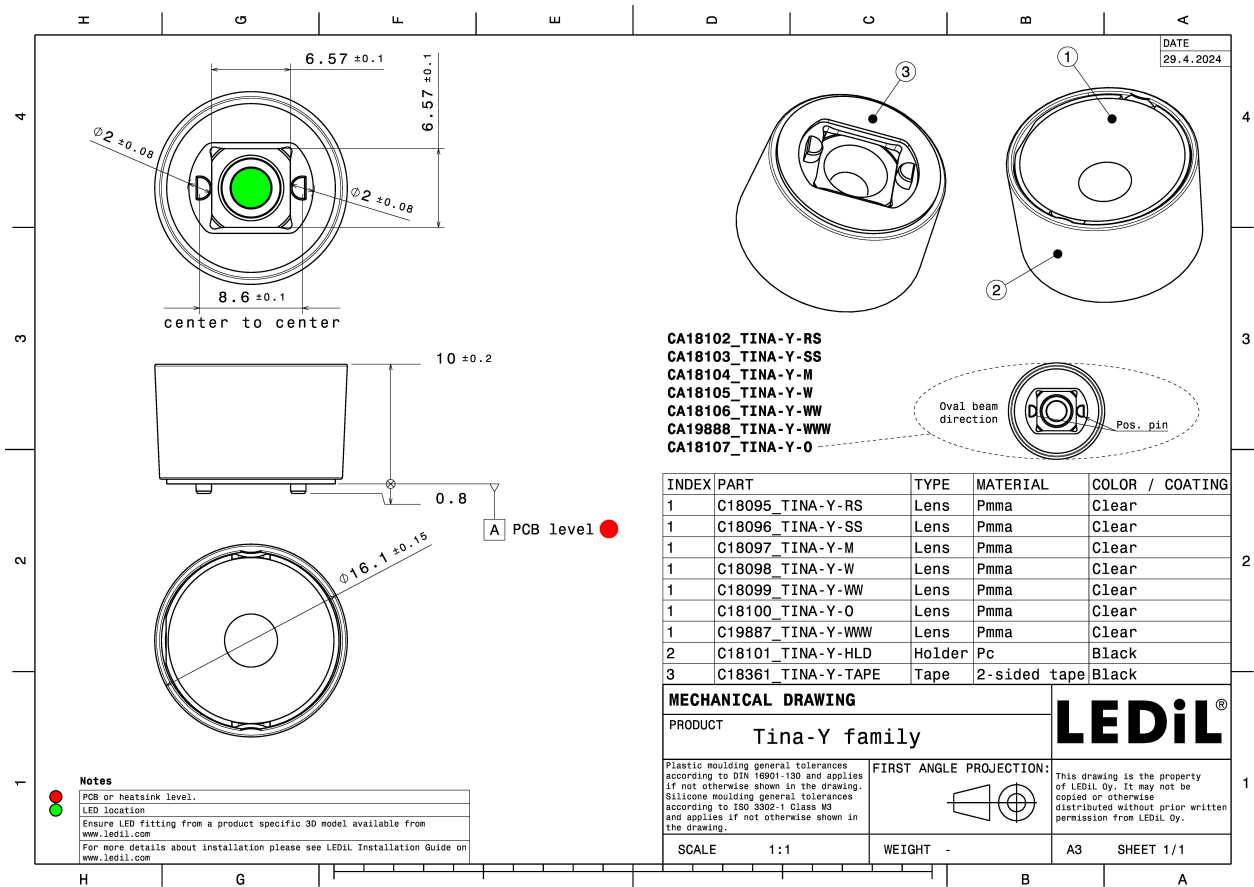


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
TINA-Y-O	Single lens	PMMA	clear	gloss	
TINA-Y-HLD	Holder	PC	black	gloss	
TINA-Y-TAPE	Tape	Acryl tape			

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA18107_TINA-Y-O » Box size: 476 x 273 x 197 mm	3900	300	300	6.5

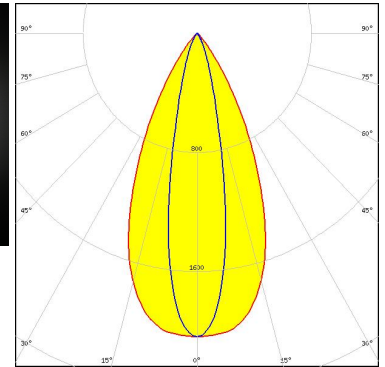
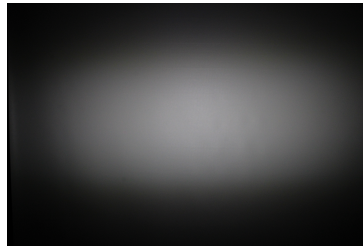


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



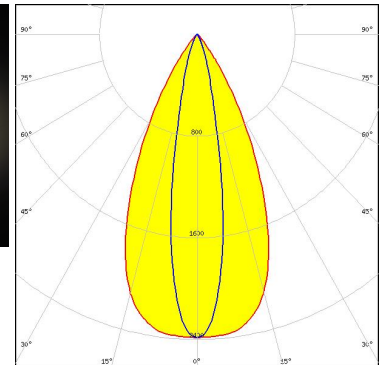
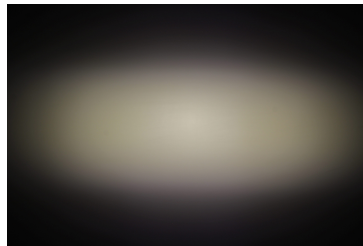
LED XP-G3
FWHM / FWTM 49.0 + 22.0° / 76.0 + 44.0°
Efficiency 74 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



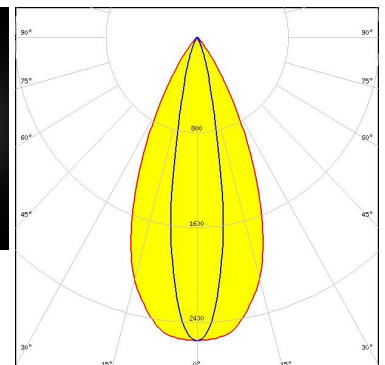
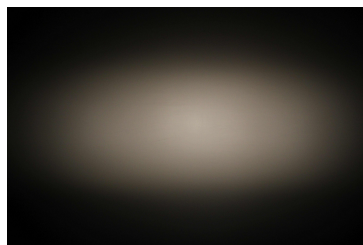
LED XP-G4
FWHM / FWTM 50.0 + 20.0° / 75.0 + 40.0°
Efficiency 79 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NVSW719AC
FWHM / FWTM 47.0 + 20.0° / 73.0 + 38.0°
Efficiency 79 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

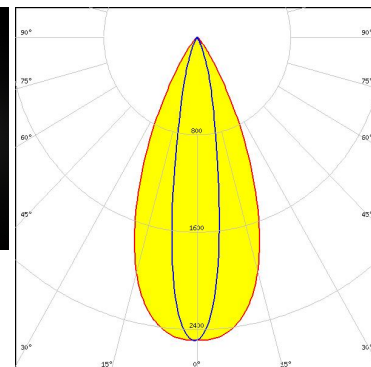
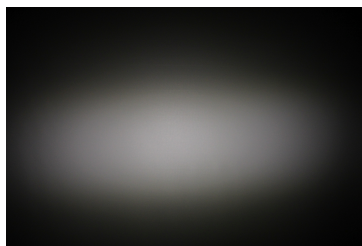


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED OSCONIQ C 3030
FWHM / FWTM 46.0 + 18.0° / 70.0 + 40.0°
Efficiency 74 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

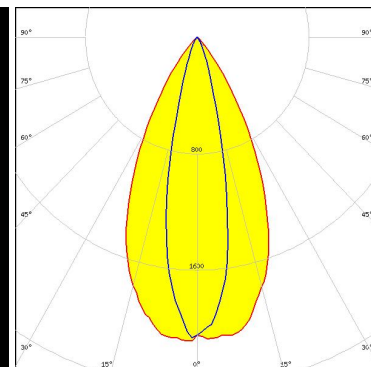
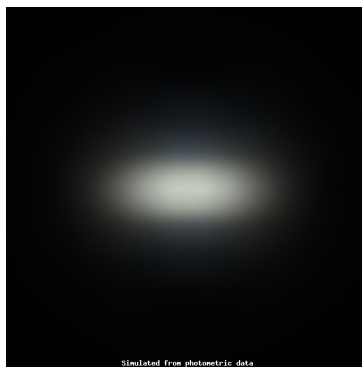


Light distribution files

OPTICAL RESULTS (SIMULATED):



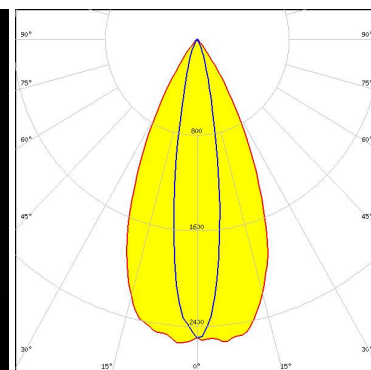
LED Bridgelux SMD 3535 (3B1)
 FWHM / FWTM 52.0 + 24.0° / 78.0 + 43.0°
 Efficiency 80 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



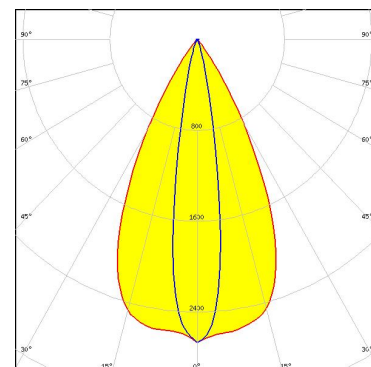
LED J Series 3030C
 FWHM / FWTM 50.0 + 18.0° / 72.0 + 36.0°
 Efficiency 78 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XE-G
 FWHM / FWTM 53.0 + 18.0° / 72.0 + 31.0°
 Efficiency 79 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

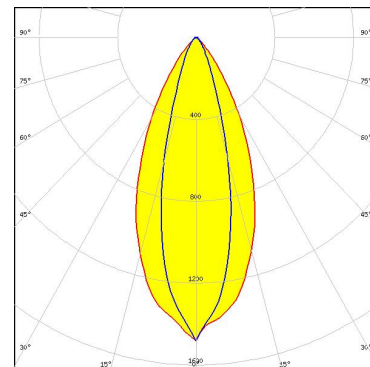


Light distribution files

OPTICAL RESULTS (SIMULATED):



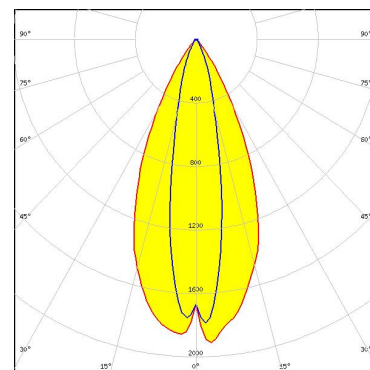
LED XHP35.2 HD
FWHM / FWTM 46.0 + 27.0° / 80.0 + 54.0°
Efficiency 69 %
Peak intensity 1.5 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



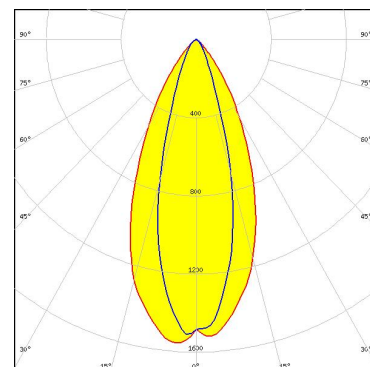
LED XHP35.2 HI
FWHM / FWTM 46.0 + 22.0° / 73.0 + 47.0°
Efficiency 69 %
Peak intensity 1.9 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XM-L RGBW (XMLDCL HD)
FWHM / FWTM 47.0 + 30.0° / 81.0 + 56.0°
Efficiency 77 %
Peak intensity 1.6 cd/Im
LEDs/each optic 1
Light colour/type RGBW
Required components:

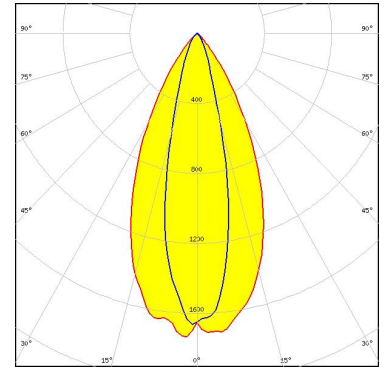


Light distribution files

OPTICAL RESULTS (SIMULATED):



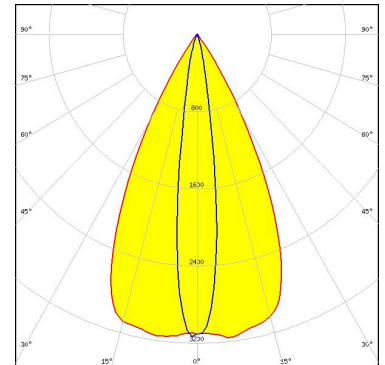
LED XM-L3
FWHM / FWTM 24.0 + 50.0°
Efficiency 73 %
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



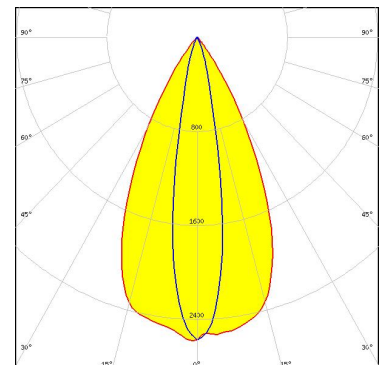
LED XP-E2
FWHM / FWTM 15.0 + 52.0° / 29.0 + 70.0°
Efficiency 81 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G2
FWHM / FWTM 19.0 + 51.0°
Efficiency 80 %
LEDs/each optic 1
Light colour/type White
Required components:

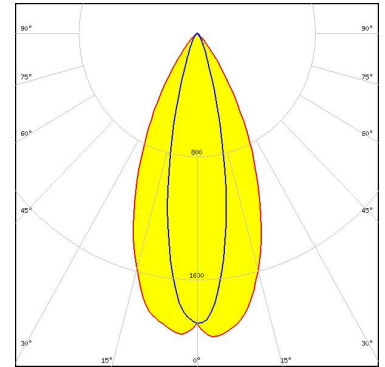


Light distribution files

OPTICAL RESULTS (SIMULATED):



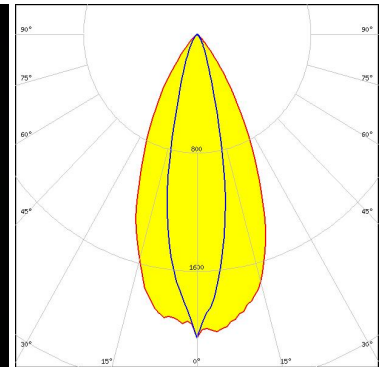
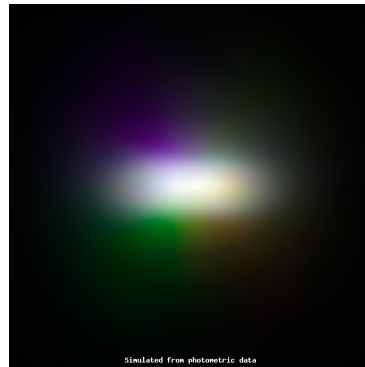
LED XP-L HD
 FWHM / FWTM 48.0 + 24.0° / 76.0 + 44.0°
 Efficiency 77 %
 Peak intensity 2 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



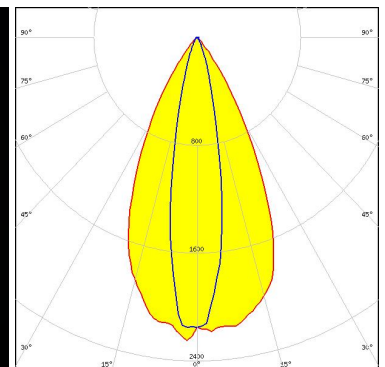
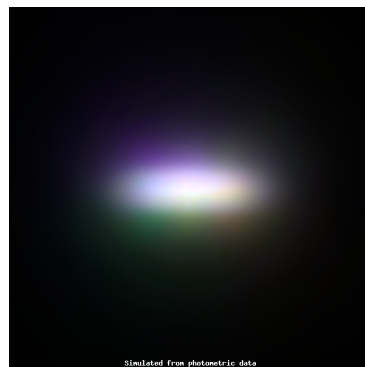
LED XP-L RGBW HD
 FWHM / FWTM 48.0 + 23.0° / 77.0 + 45.0°
 Efficiency 78 %
 Peak intensity 2.1 cd/Im
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



Light distribution files



LED XP-L RGBW HI Blend
 FWHM / FWTM 51.0 + 20.0° / 75.0 + 41.0°
 Efficiency 77 %
 Peak intensity 2.3 cd/Im
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:

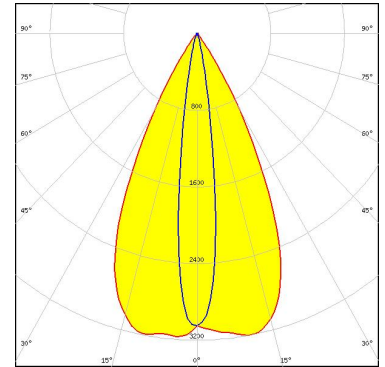


Light distribution files

OPTICAL RESULTS (SIMULATED):



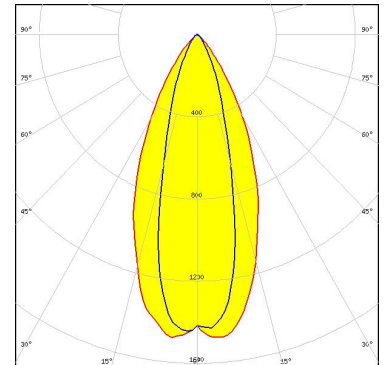
LED XQ-E HI
FWHM / FWTM 52.0 + 14.0° / 70.0 + 26.0°
Efficiency 80 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



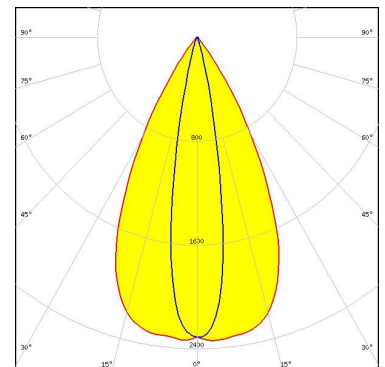
LED LUXEON 5050 Round LES
FWHM / FWTM 27.0 + 47.0°
Efficiency 74 %
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON C
FWHM / FWTM 54.0 + 18.0° / 74.0 + 32.0°
Efficiency 75 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

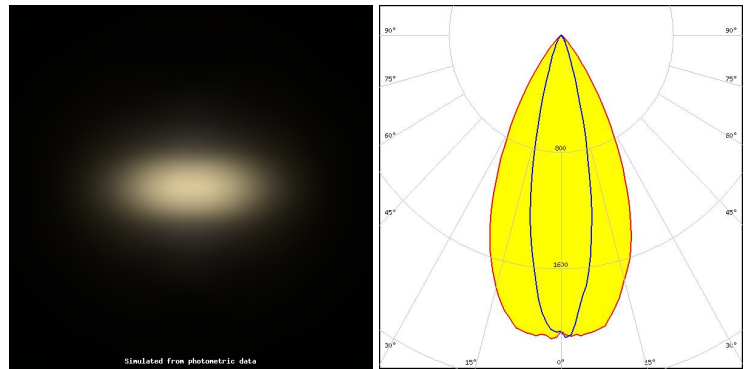


Light distribution files

OPTICAL RESULTS (SIMULATED):



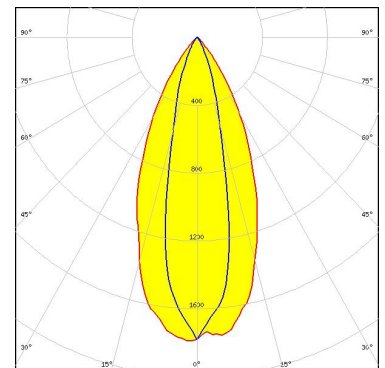
LED LUXEON HL2X-V
FWHM / FWTM 52.0 + 24.0° / 78.0 + 42.0°
Efficiency 80 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



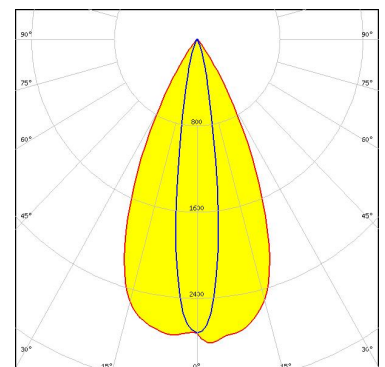
LED LUXEON MZ
FWHM / FWTM 23.0 + 46.0°
Efficiency 73 %
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED SST-20 Gen1
FWHM / FWTM 50.0 + 16.0° / 70.0 + 34.0°
Efficiency 78 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

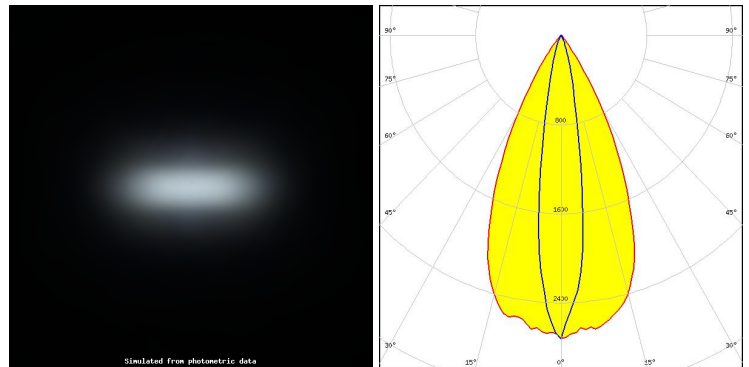


Light distribution files

OPTICAL RESULTS (SIMULATED):



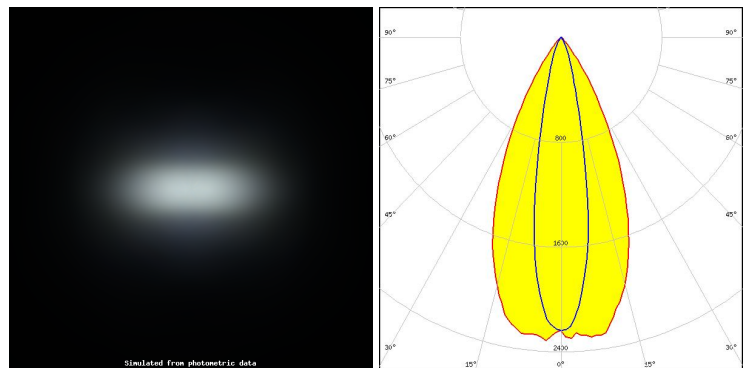
LED SST-20 Gen2
 FWHM / FWTM 50.0 + 16.0° / 72.0 + 33.0°
 Efficiency 78 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



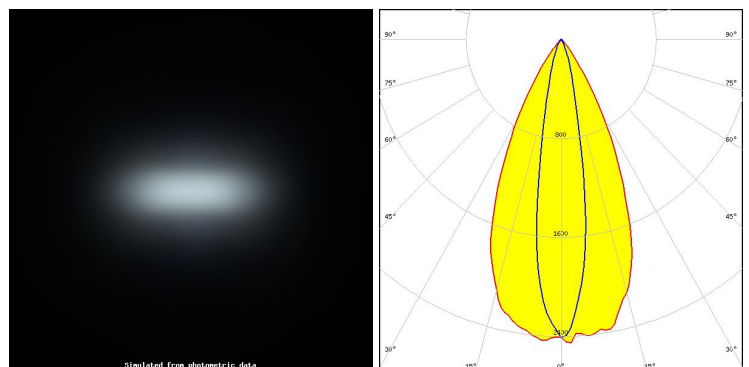
LED SST-20F-W
 FWHM / FWTM 50.0 + 20.0° / 74.0 + 40.0°
 Efficiency 80 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED SST-25-W
 FWHM / FWTM 50.0 + 18.0° / 73.0 + 38.0°
 Efficiency 78 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

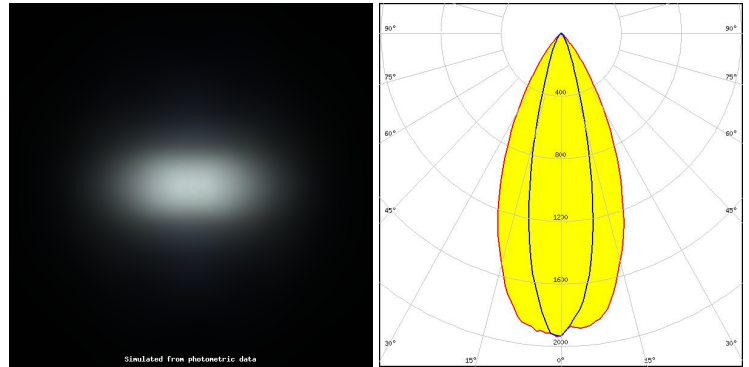


Light distribution files

OPTICAL RESULTS (SIMULATED):



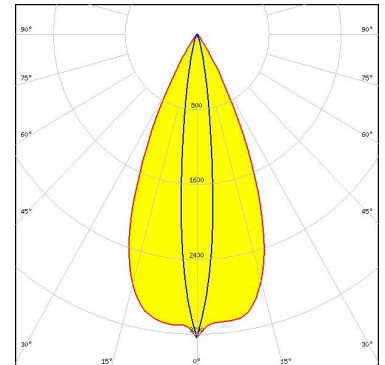
LED SST-36F-W
 FWHM / FWTM 48.0 + 24.0° / 78.0 + 46.0°
 Efficiency 78 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



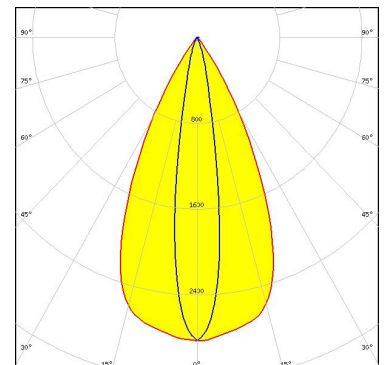
LED NCSxE17A
 FWHM / FWTM 46.0 + 12.0° / 66.0 + 28.0°
 Efficiency 73 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSW219C-V2
 FWHM / FWTM 52.0 + 16.0° / 72.0 + 32.0°
 Efficiency 80 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

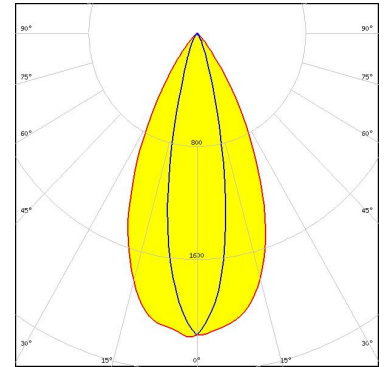


Light distribution files

OPTICAL RESULTS (SIMULATED):



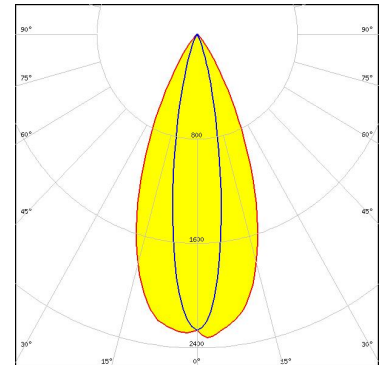
LED NVSW219F
 FWHM / FWTM 50.0 + 22.0° / 76.0 + 42.0°
 Efficiency 79 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



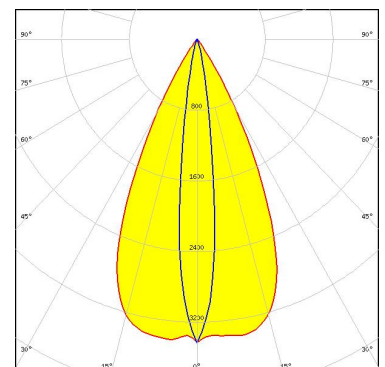
LED NVSxE21A
 FWHM / FWTM 44.0 + 20.0° / 70.0 + 38.0°
 Efficiency 71 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED OSLO Pure 1414
 FWHM / FWTM 52.0 + 14.0° / 68.0 + 26.0°
 Efficiency 81 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

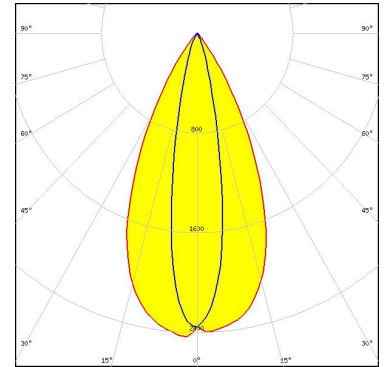


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

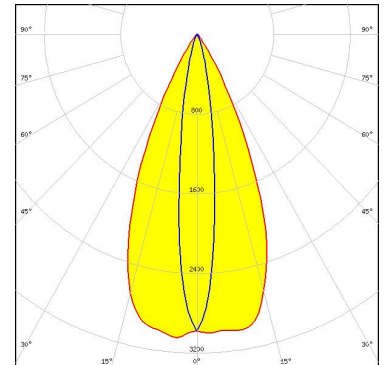
LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 50.0 + 20.0° / 74.0 + 39.0°
Efficiency 79 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

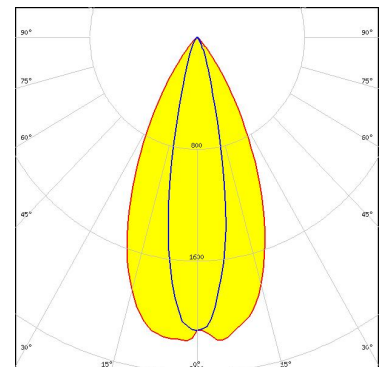
LED SFH 4715AS
FWHM / FWTM 47.0 + 13.0° / 66.0 + 32.0°
Efficiency 77 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files

SAMSUNG

LED LH351C
FWHM / FWTM 22.0 + 49.0°
Efficiency 80 %
LEDs/each optic 1
Light colour/type White
Required components:

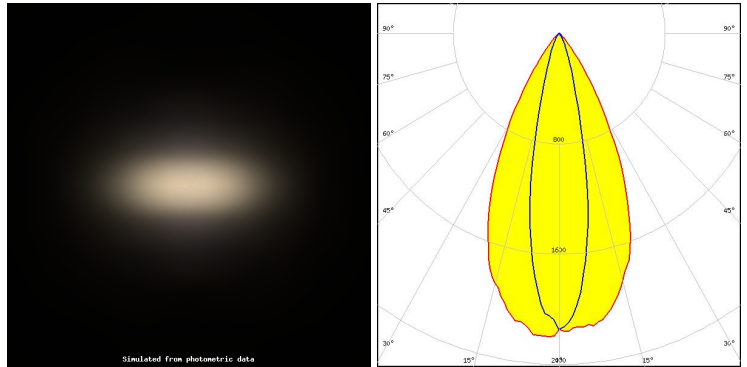


Light distribution files

OPTICAL RESULTS (SIMULATED):



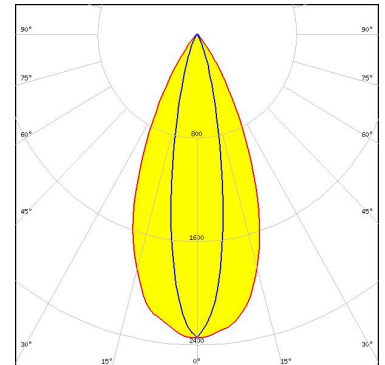
LED Z5M3-E1
 FWHM / FWTM 52.0 + 22.0° / 77.0 + 42.0°
 Efficiency 81 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



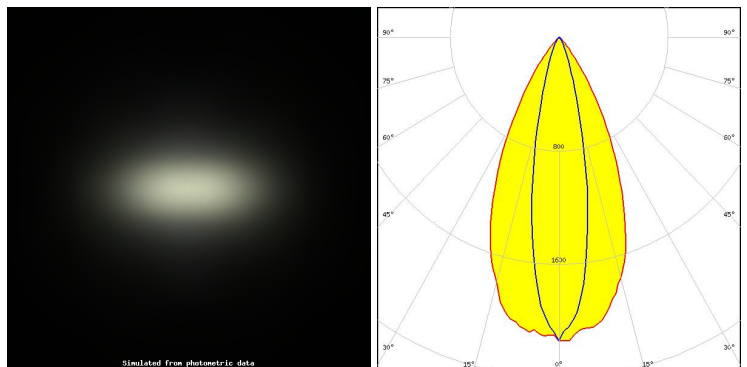
LED Z5M4
 FWHM / FWTM 46.0 + 20.0° / 72.0 + 42.0°
 Efficiency 78 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

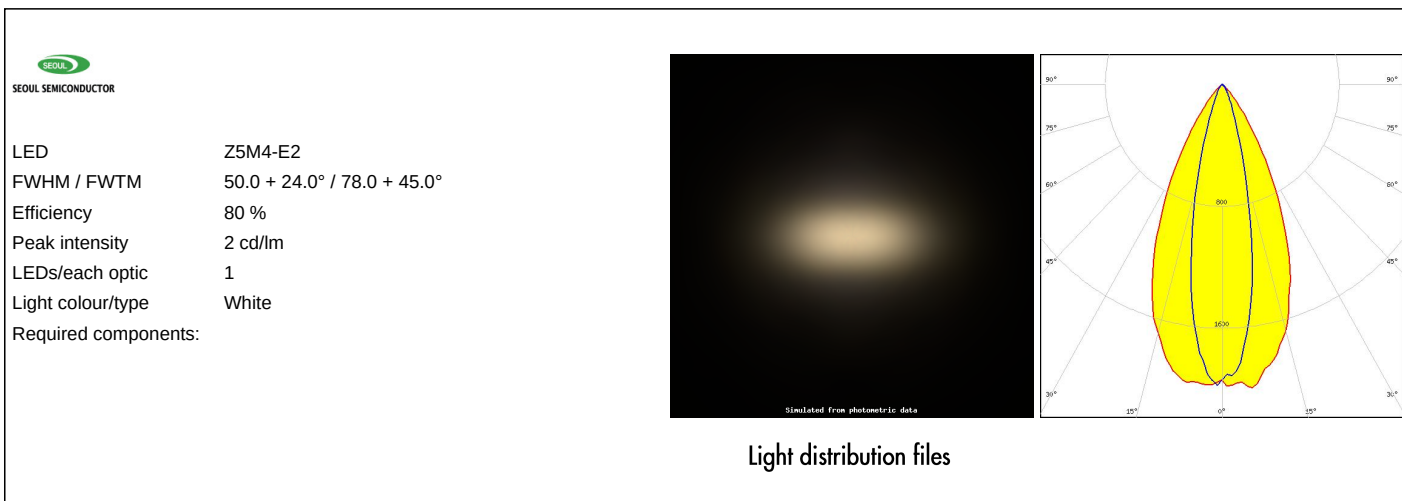


LED Z5M4-E1
 FWHM / FWTM 49.0 + 22.0° / 77.0 + 43.0°
 Efficiency 79 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



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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LEDiL Oy

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Hong Kong, China

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