

LEILA-Y-WW

~55° wide beam. 14.8 mm high assembly with holder, installation tape and pins.

SPECIFICATION:

Dimensions	Ø 21.6 mm
Height	14.8 mm
ROHS compliant	yes ⓘ

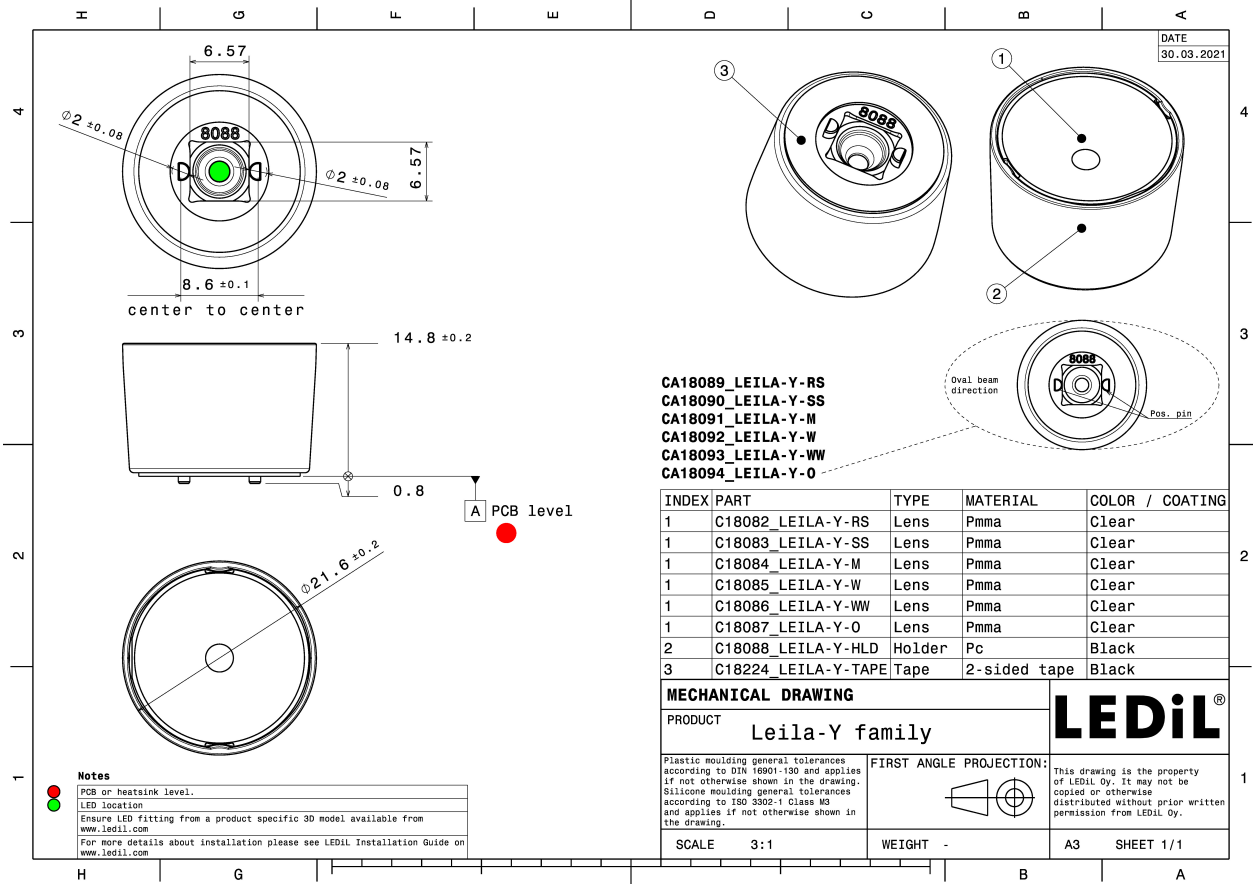


MATERIALS:

Component	Type	Material	Colour	Finish	Length
LEILA-Y-WW	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)
CA18093_LEILA-Y-WW » Box size: 476 x 273 x 197 mm	1800	180	180	6.9

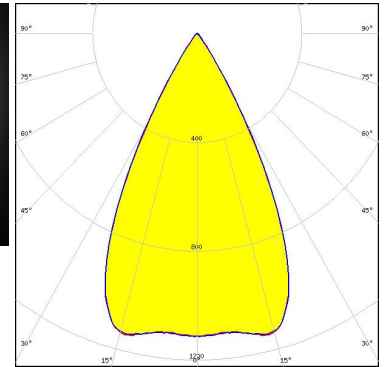
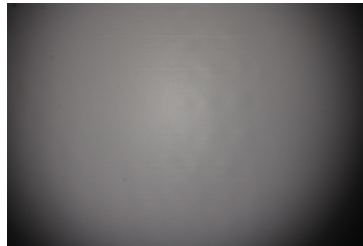


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



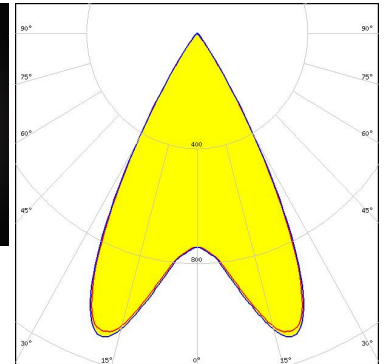
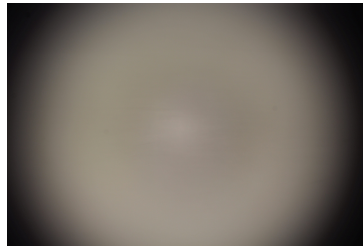
LED XHP35 HI
FWHM / FWTM 54.0° / 69.0°
Efficiency 85 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



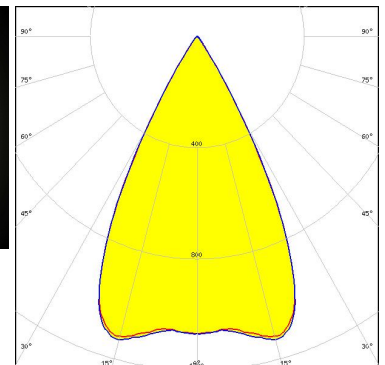
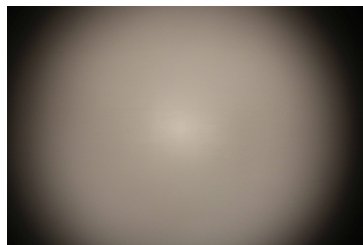
LED XP-G4
FWHM / FWTM 56.0° / 71.0°
Efficiency 87 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NVSW719AC
FWHM / FWTM 55.0° / 69.0°
Efficiency 86 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

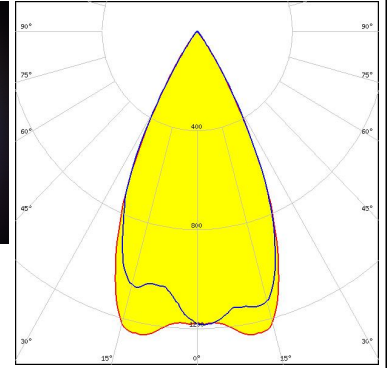
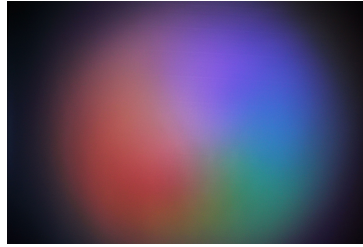


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED OSLON Pure 1414
FWHM / FWTM 52.0° / 68.0°
Efficiency 84 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

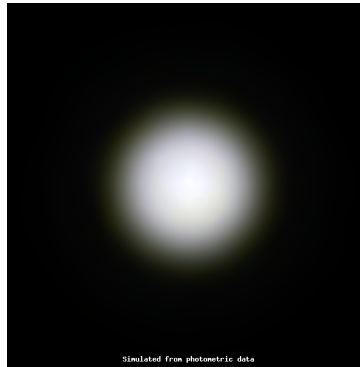


Light distribution files

OPTICAL RESULTS (SIMULATED):



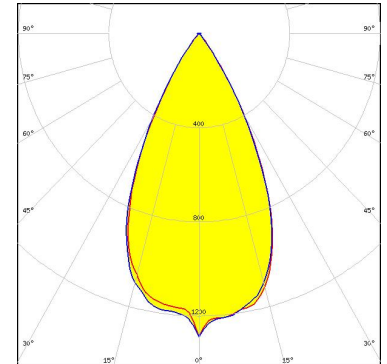
LED J Series 3030C
 FWHM / FWTM 50.0° / 67.0 + 68.0°
 Efficiency 88 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



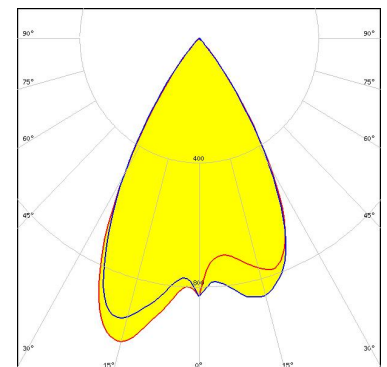
Light distribution files



LED XHP35.2 HI
 FWHM / FWTM 52.0° / 72.0°
 Efficiency 86 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



LED XM-L RGBW (XMLDCL HD)
 FWHM / FWTM 60.0° / 80.0°
 Efficiency 84 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:

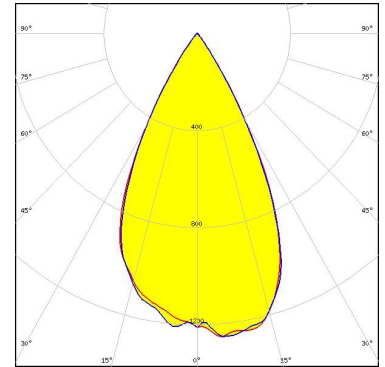


Light distribution files

OPTICAL RESULTS (SIMULATED):



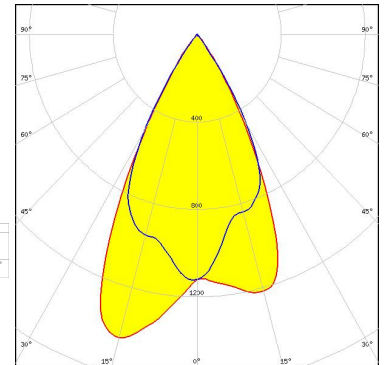
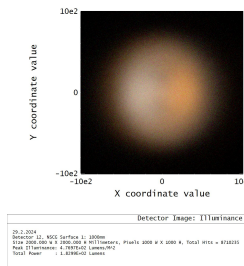
LED XM-L RGBW (XMLDCL HI)
 FWHM / FWTM 54.0° / 72.0°
 Efficiency 88 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



Light distribution files



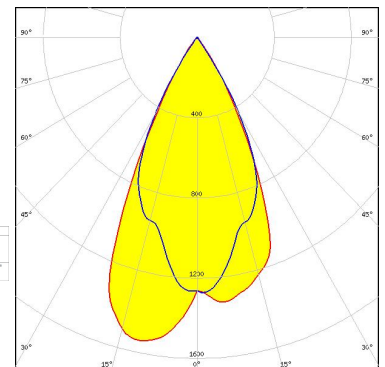
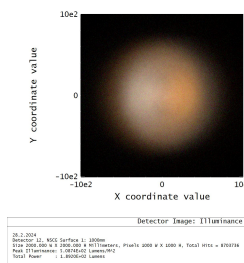
LED XQ-E HD
 FWHM / FWTM 53.0 + 57.0° / 72.0°
 Efficiency 90 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 2
 Light colour/type White
 Required components:



Light distribution files



LED XQ-E HI
 FWHM / FWTM 51.0 + 53.0° / 70.0°
 Efficiency 88 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 2
 Light colour/type White
 Required components:

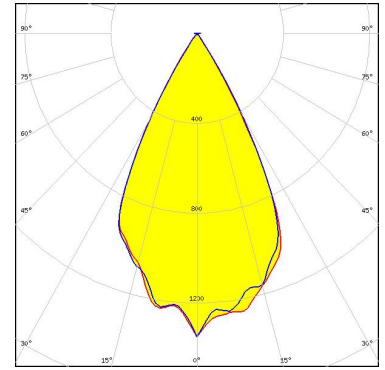


Light distribution files

OPTICAL RESULTS (SIMULATED):



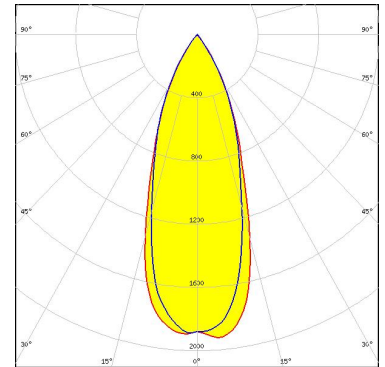
LED XQ-E HI
FWHM / FWTM 54.0° / 68.0°
Efficiency 88 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



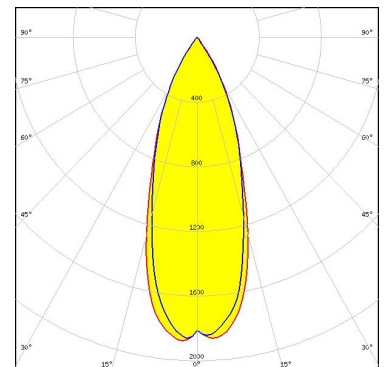
LED LUXEON 5050 Round LES
FWHM / FWTM 38.0° / 68.0°
Efficiency 87 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON 5050 Square LES
FWHM / FWTM 38.0° / 68.0°
Efficiency 87 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

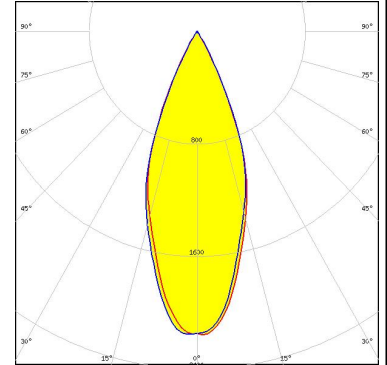
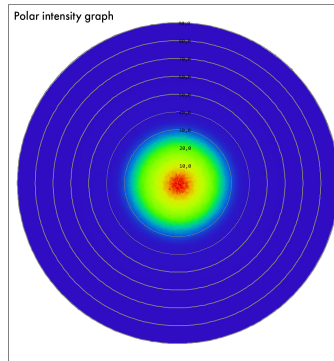


Light distribution files

OPTICAL RESULTS (SIMULATED):



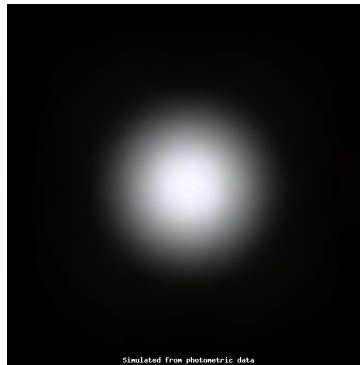
LED LUXEON IR domed 50 (L110-0xxx050200000)
 FWHM / FWTM 39.0° / 60.0°
 Efficiency 88 %
 LEDs/each optic 1
 Light colour/type IR
 Required components:



Light distribution files



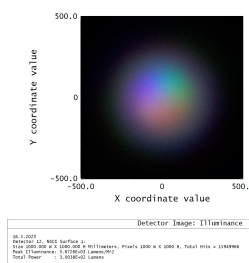
LED NCSxE17A
 FWHM / FWTM 42.0° / 66.0°
 Efficiency 80 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 4
 Light colour/type White
 Required components:



Light distribution files

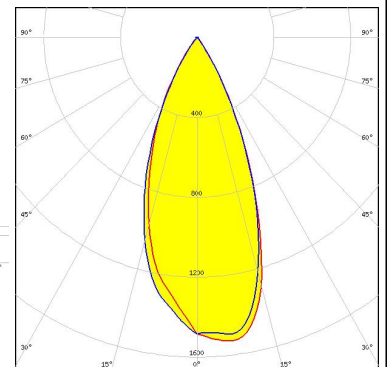


LED NCSxE17A
 FWHM / FWTM 42.0° / 67.0°
 Efficiency 78 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:



Detector Image: I1 luminance
 16.1.2024
 16:00:00
 Size: 2048 x 2048
 Total Power: 3.300000 Watts

Zemax
 Zemax OpticStudio 21.3
 16:00:00

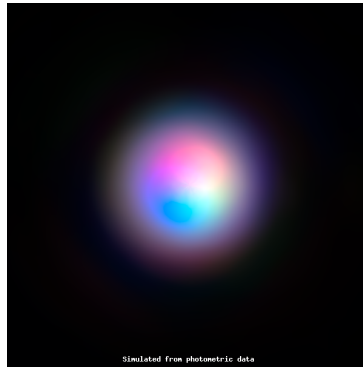


Light distribution files

OPTICAL RESULTS (SIMULATED):



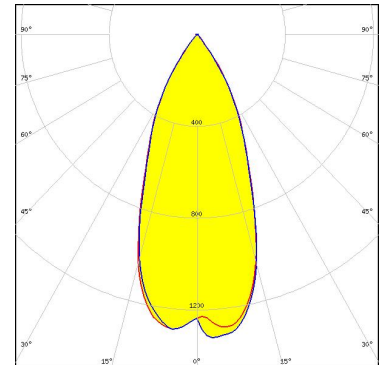
LED NCSxE17A
FWHM / FWTM 30.0 + 43.0° / 64.0 + 66.0°
Efficiency 82 %
Peak intensity 2 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:



Light distribution files



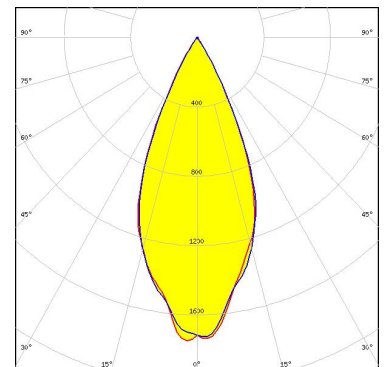
LED NV4x144A
FWHM / FWTM 43.0° / 74.0°
Efficiency 77 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



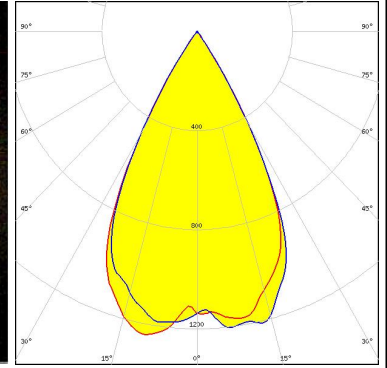
LED NVSxE21A
FWHM / FWTM 44.0° / 62.0°
Efficiency 83 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

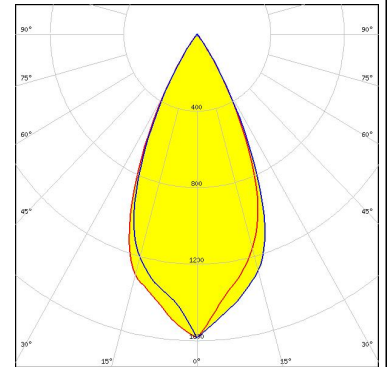
LED OSLON SSL 150
FWHM / FWTM 55.0° / 68.0°
Efficiency 88 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SEOL
SEOUL SEMICONDUCTOR

LED Z5M4
FWHM / FWTM 47.0° / 68.0°
Efficiency 89 %
Peak intensity 1.6 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.

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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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