

## LEILA-Y-WW

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

### SPECIFICATION:

Dimensions	Ã~ 21.6
Height	14.8 mm
ROHS compliant	yes ⓘ

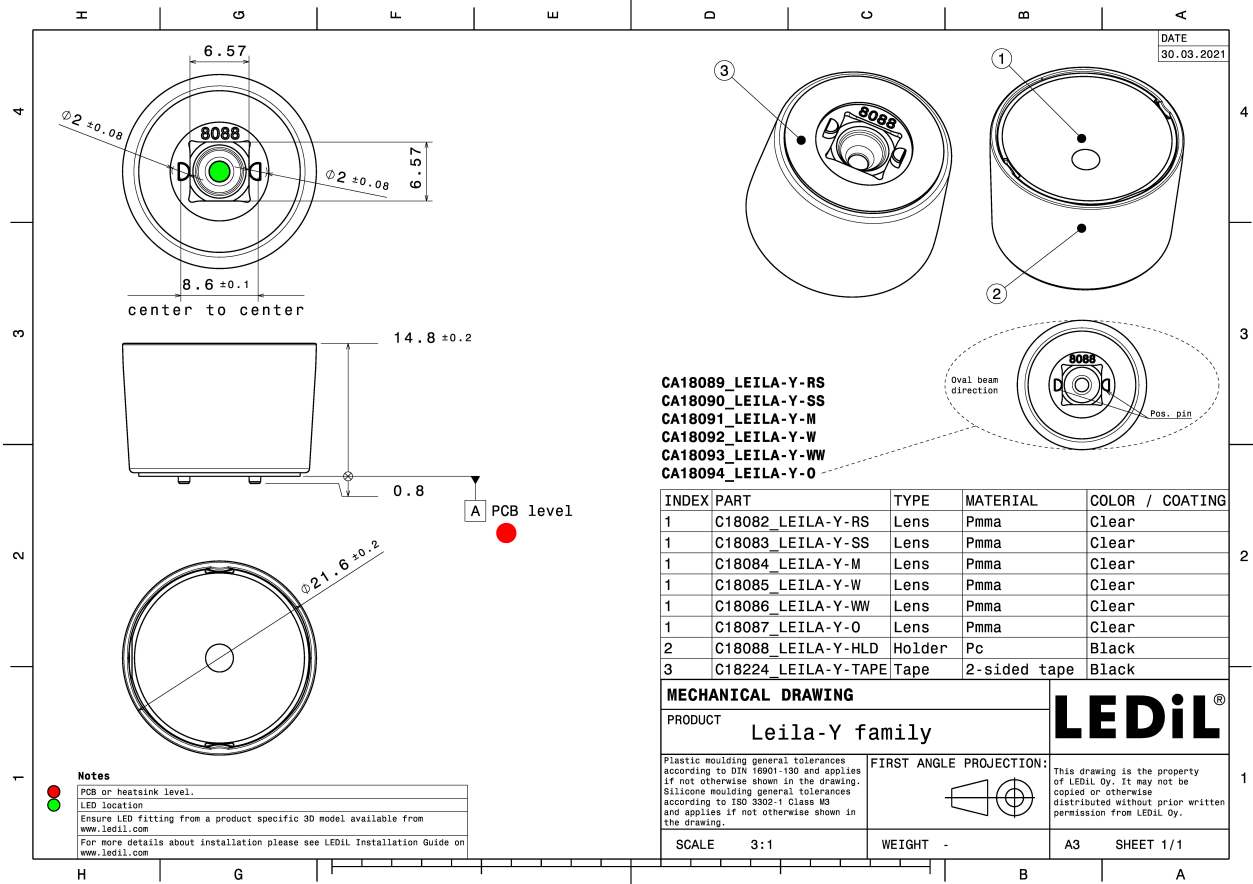


### MATERIALS:

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

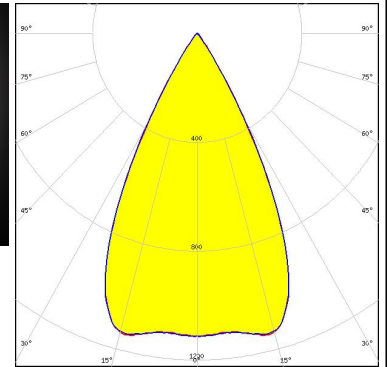


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):



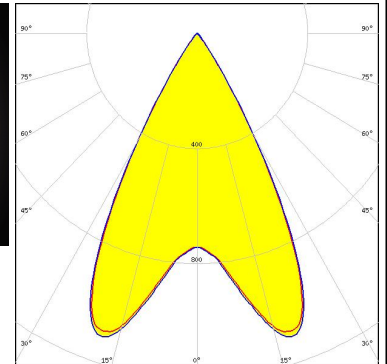
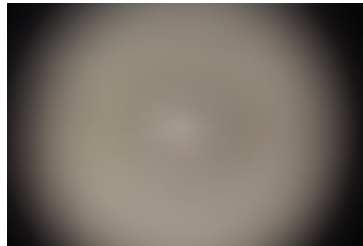
LED XHP35 HI  
 FWHM / FWTM 54.0° / 69.0°  
 Efficiency 85 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



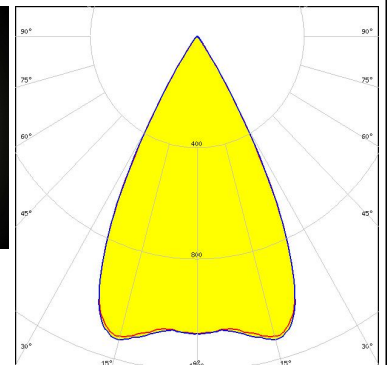
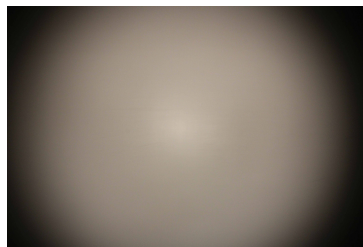
LED XP-G4  
 FWHM / FWTM 56.0° / 71.0°  
 Efficiency 87 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



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:

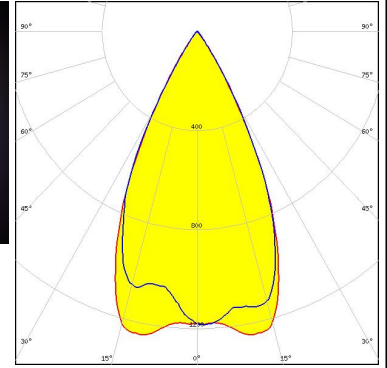
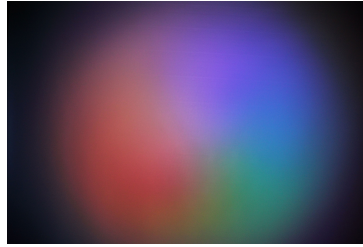


Light distribution files

### 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:

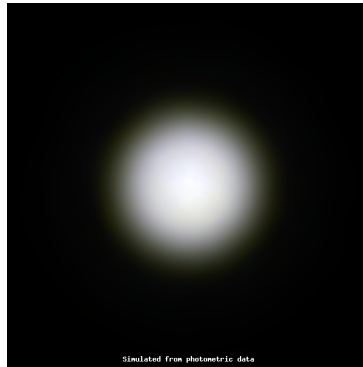


Light distribution files

### OPTICAL RESULTS (SIMULATED):



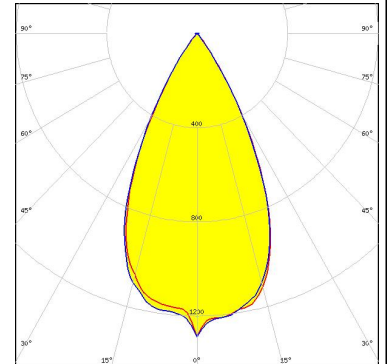
LED J Series 3030C  
 FWHM / FWTM 50.0° / 67.0 + 68.0°  
 Efficiency 88 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



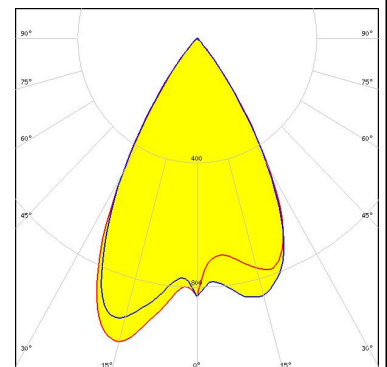
Light distribution files



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:

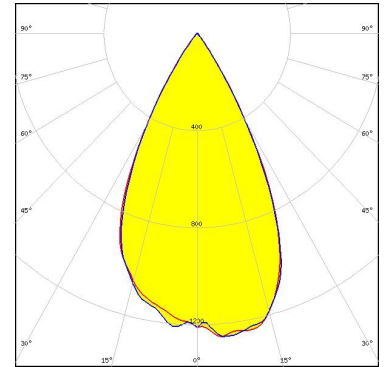


Light distribution files

### OPTICAL RESULTS (SIMULATED):



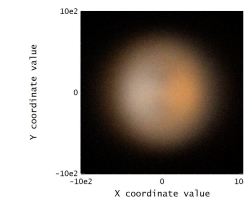
LED XM-L RGBW (XMLDCL HI)  
 FWHM / FWTM 54.0° / 72.0°  
 Efficiency 88 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type RGBW  
 Required components:



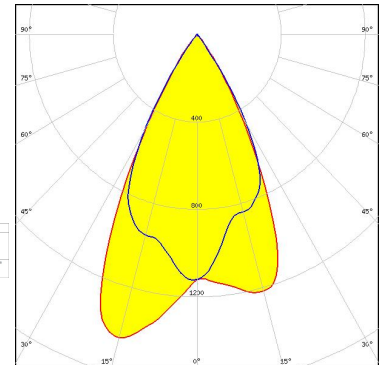
Light distribution files



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:



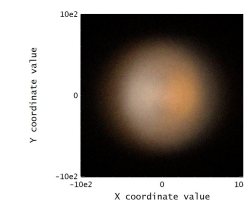
Detector Image: 11 luminance		Zemax
20-2-2024	Simulation: 11, NCC Surface: 1, 100mm	Zemax OptiCADv21.3
Size: 200,000 x 1, 200,000 x 1, 111mm	Pixel Size: 0.001 x 0.001 mm	
Max. Illuminance: 1, 400000.000	Total Power: 1, 0.0000000000000000	



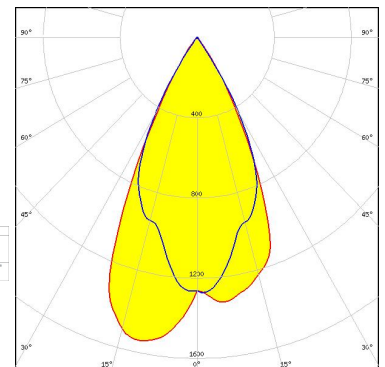
Light distribution files



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:



Detector Image: 11 luminance		Zemax
20-2-2024	Simulation: 11, NCC Surface: 1, 100mm	Zemax OptiCADv21.3
Size: 200,000 x 1, 200,000 x 1, 111mm	Pixel Size: 0.001 x 0.001 mm	
Max. Illuminance: 1, 400000.000	Total Power: 1, 0.0000000000000000	

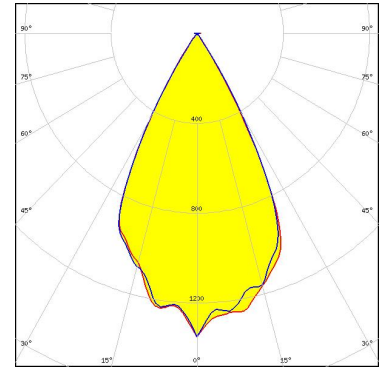


Light distribution files

### OPTICAL RESULTS (SIMULATED):



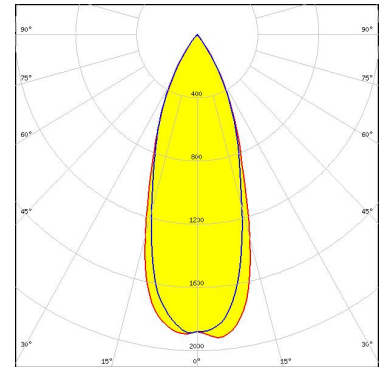
LED XQ-E HI  
FWHM / FWTM 54.0° / 68.0°  
Efficiency 88 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



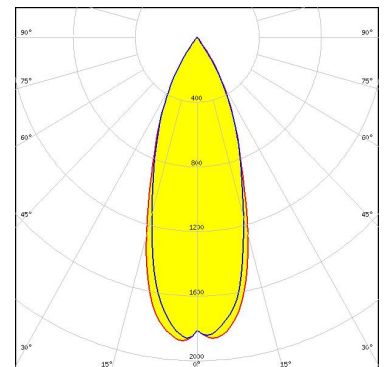
LED LUXEON 5050 Round LES  
FWHM / FWTM 38.0° / 68.0°  
Efficiency 87 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



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:

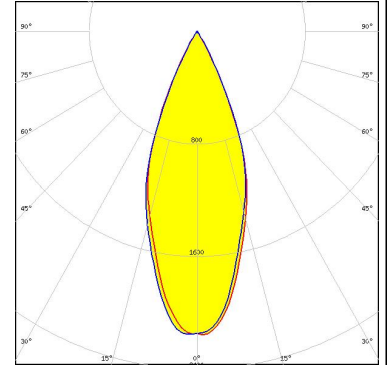
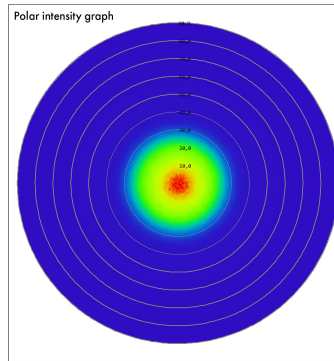


Light distribution files

### OPTICAL RESULTS (SIMULATED):



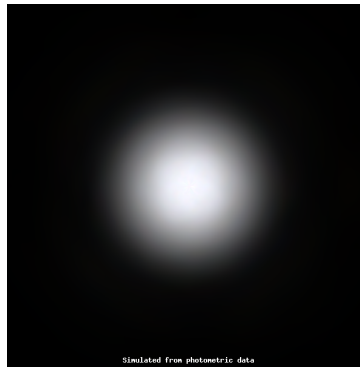
LED LUXEON IR domed 50 (L110-0xxx050200000)  
 FWHM / FWTM 39.0° / 60.0°  
 Efficiency 88 %  
 LEDs/each optic 1  
 Light colour/type IR  
 Required components:



Light distribution files



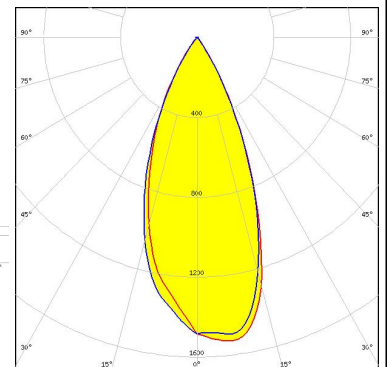
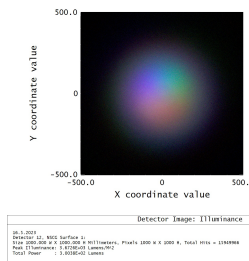
LED NCSxE17A  
 FWHM / FWTM 42.0° / 66.0°  
 Efficiency 80 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 4  
 Light colour/type White  
 Required components:



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:



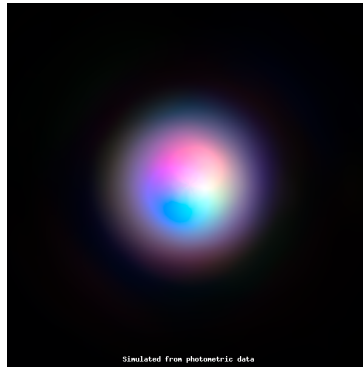
Light distribution files



### OPTICAL RESULTS (SIMULATED):



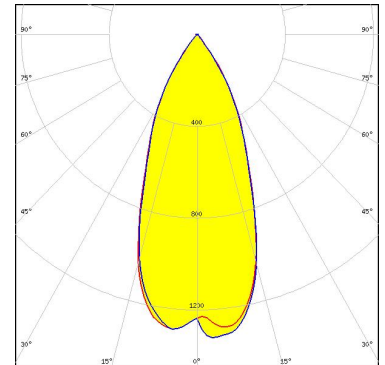
LED NCSxE17A  
 FWHM / FWTM 30.0 + 43.0° / 64.0 + 66.0°  
 Efficiency 82 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 4  
 Light colour/type RGBW  
 Required components:



Light distribution files



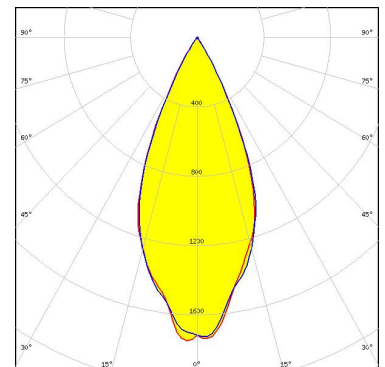
LED NV4x144A  
 FWHM / FWTM 43.0° / 74.0°  
 Efficiency 77 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



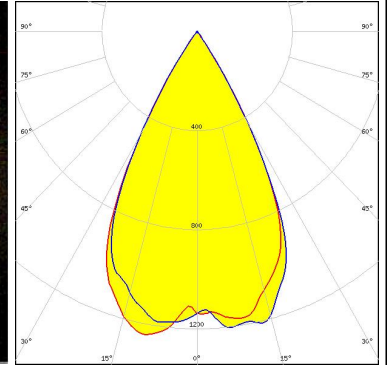
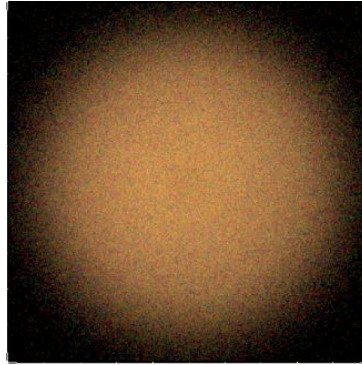
LED NVSxE21A  
 FWHM / FWTM 44.0° / 62.0°  
 Efficiency 83 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

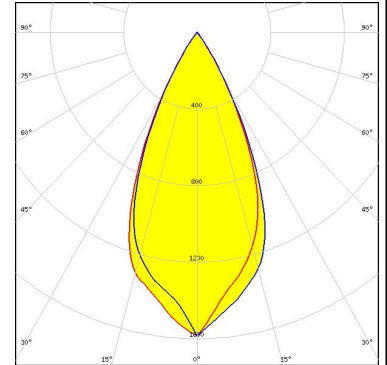
LED OSLON SSL 150  
FWHM / FWTM 55.0° / 68.0°  
Efficiency 88 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



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:

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### Local sales and technical support

[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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