

## TINA-Y-WW

~55° wide beam. Assembly with holder, installation tape and pins.

### SPECIFICATION:

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

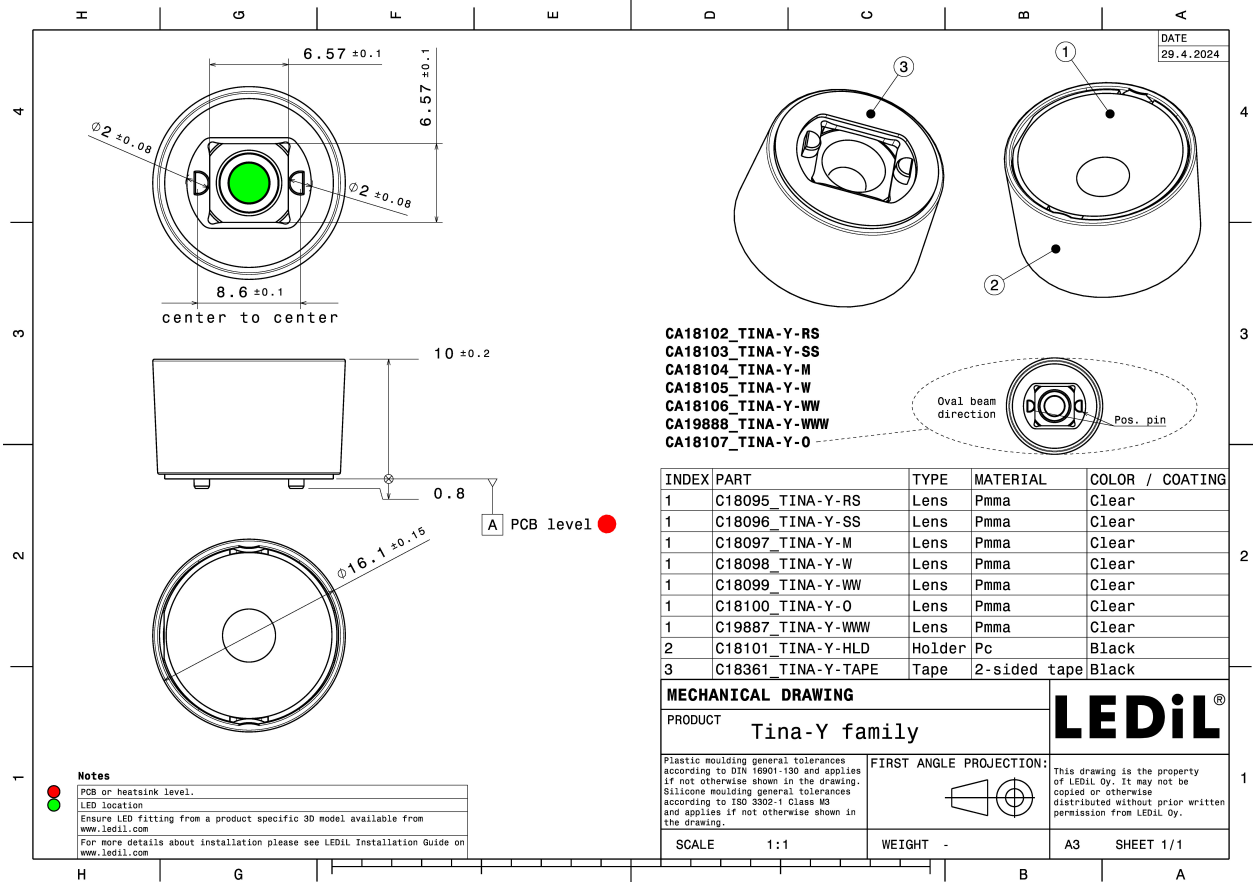


### MATERIALS:

Component	Type	Material	Colour	Finish	Length
TINA-Y-WW	Single lens	PMMA	clear	gloss	14.7
TINA-Y-HLD	Holder	PC	black	gloss	16.1
TINA-Y-TAPE	Tape	Acrylic foam			

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA18106_TINA-Y-WW » Box size: 476 x 273 x 197 mm	3900	300	300	5.8

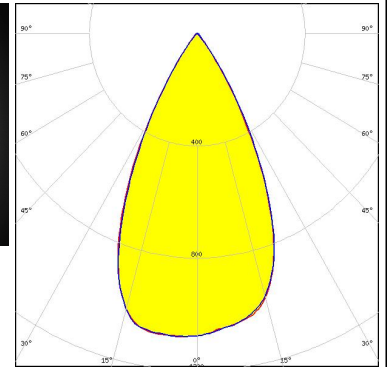


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



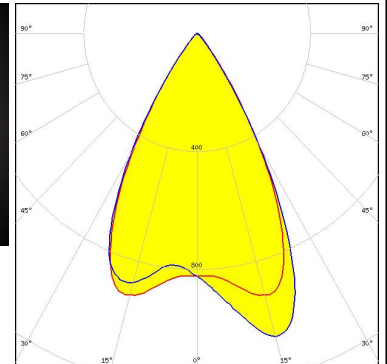
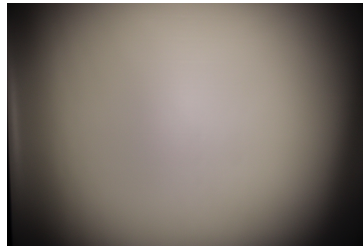
LED XP-G3  
 FWHM / FWTM 53.0° / 73.0°  
 Efficiency 78 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



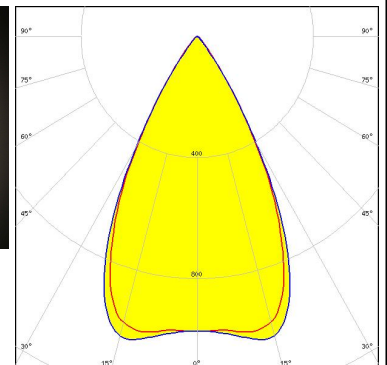
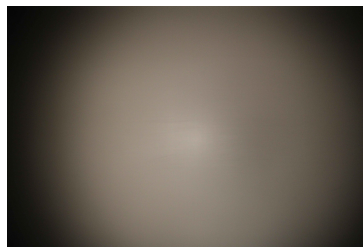
LED XP-G4  
 FWHM / FWTM 57.0° / 77.0°  
 Efficiency 84 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NVSW719AC  
 FWHM / FWTM 55.0° / 74.0°  
 Efficiency 84 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

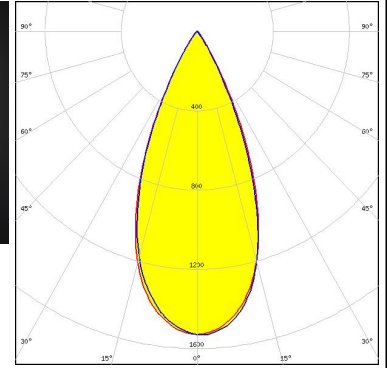
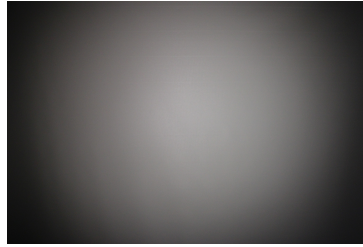


Light distribution files

### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

LED OSCONIQ C 3030  
FWHM / FWTM 45.0° / 66.0°  
Efficiency 83 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

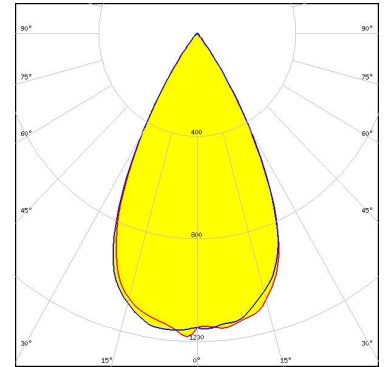


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



LED J Series 2835  
FWHM / FWTM 55.0° / 74.0°  
Efficiency 88 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



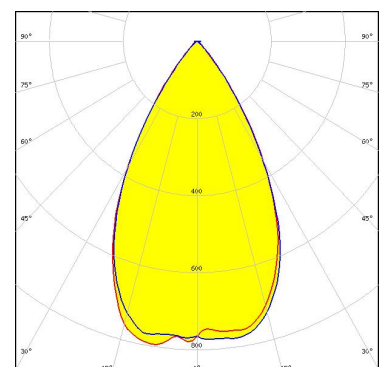
LED J Series 3030C  
FWHM / FWTM 52.0° / 72.0°  
Efficiency 87 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



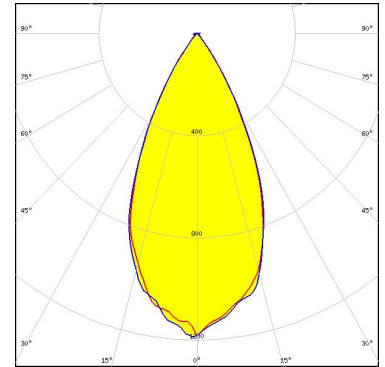
LED XHP35.2 HD  
FWHM / FWTM 58.0° / 82.0°  
Efficiency 71 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



#### OPTICAL RESULTS (SIMULATED):



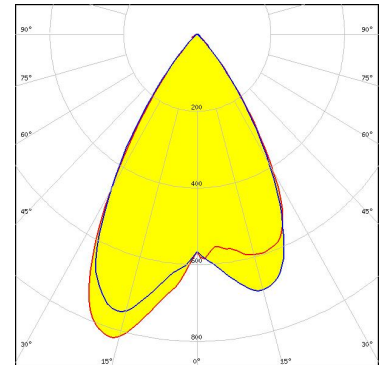
LED XHP35.2 HI  
 FWHM / FWTM 50.0° / 72.0°  
 Efficiency 78 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



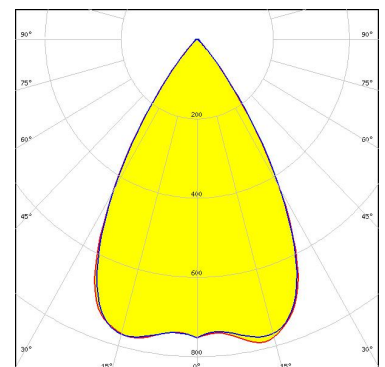
LED XM-L RGBW (XMLDCL HD)  
 FWHM / FWTM 62.0° / 84.0°  
 Efficiency 77 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type RGBW  
 Required components:



Light distribution files



LED XM-L3  
 FWHM / FWTM 60.0° / 80.0°  
 Efficiency 77 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

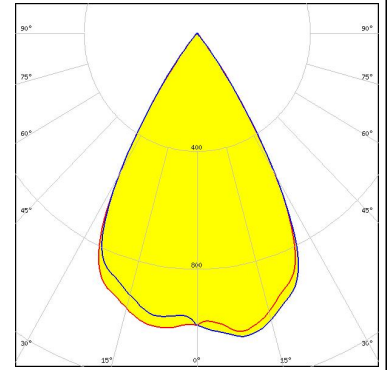


Light distribution files

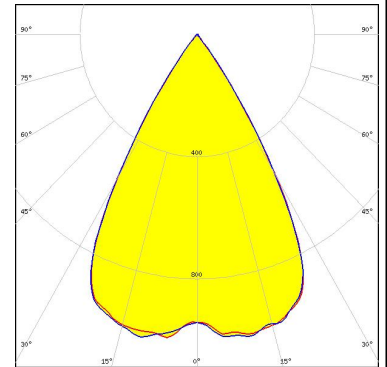
#### OPTICAL RESULTS (SIMULATED):



LED XP-E  
 FWHM / FWTM 60.0° / 76.0°  
 Efficiency 89 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



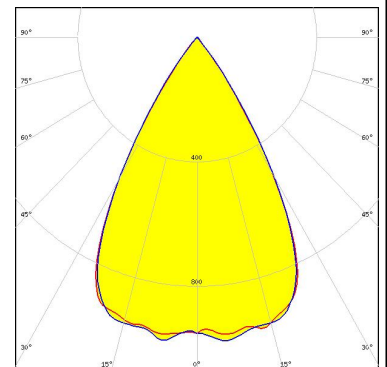
LED XP-E2  
 FWHM / FWTM 59.0° / 74.0°  
 Efficiency 90 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-G2  
 FWHM / FWTM 60.0° / 77.0°  
 Efficiency 88 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

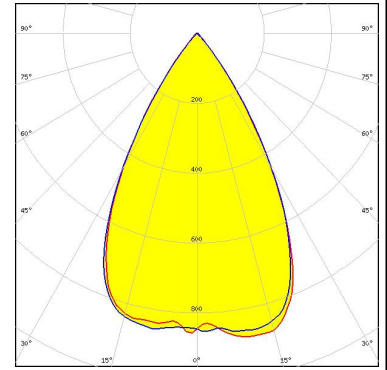


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



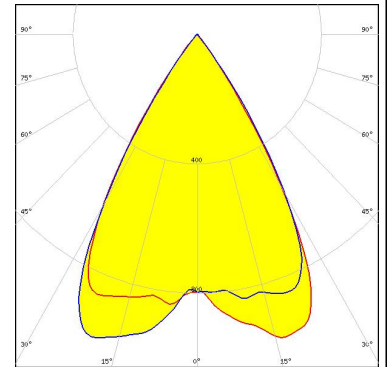
LED XP-L HD  
FWHM / FWTM 60.0° / 80.0°  
Efficiency 80 %  
Peak intensity 0.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



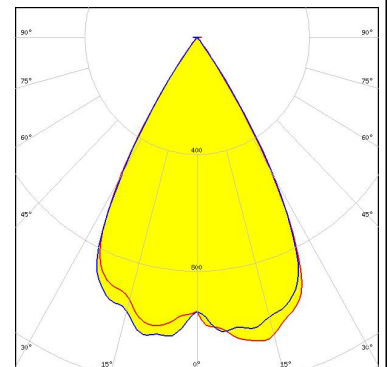
Light distribution files



LED XQ-E HD  
FWHM / FWTM 63.0° / 76.0°  
Efficiency 89 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



LED XQ-E HI  
FWHM / FWTM 60.0° / 73.0°  
Efficiency 89 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



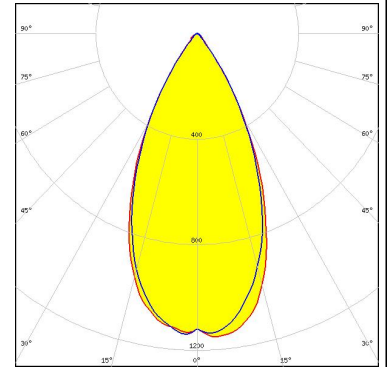
Light distribution files



### OPTICAL RESULTS (SIMULATED):



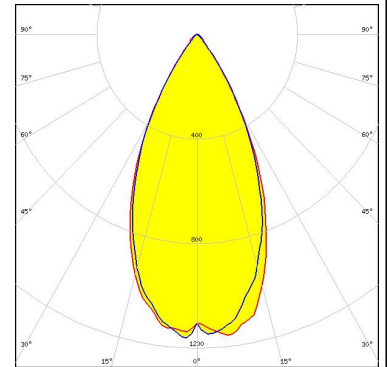
LED LUXEON 5050 Round LES  
FWHM / FWTM 50.0° / 76.0°  
Efficiency 81 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



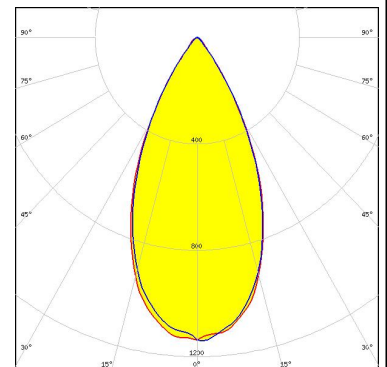
LED LUXEON 5050 Round LES  
FWHM / FWTM 50.0° / 76.0°  
Efficiency 81 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON 5050 Square LES  
FWHM / FWTM 50.0° / 76.0°  
Efficiency 80 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

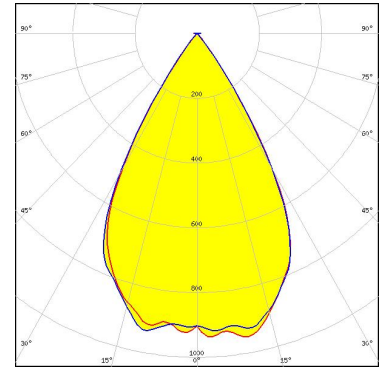


Light distribution files

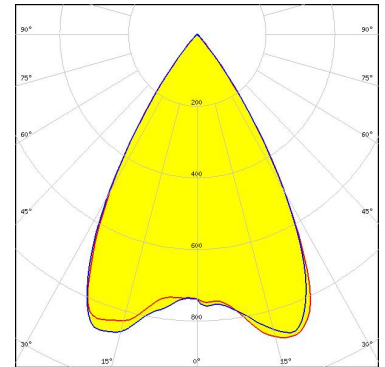
### OPTICAL RESULTS (SIMULATED):



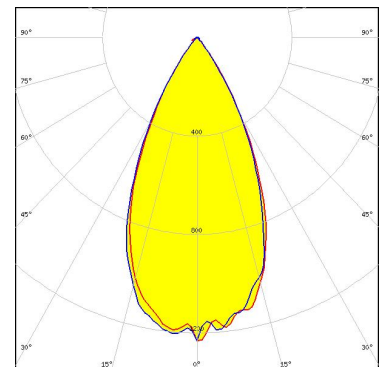
LED LUXEON C  
 FWHM / FWTM 60.0° / 76.0°  
 Efficiency 80 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



LED LUXEON HL2X  
 FWHM / FWTM 62.0° / 80.0°  
 Efficiency 85 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



LED LUXEON MZ  
 FWHM / FWTM 49.0° / 74.0°  
 Efficiency 83 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

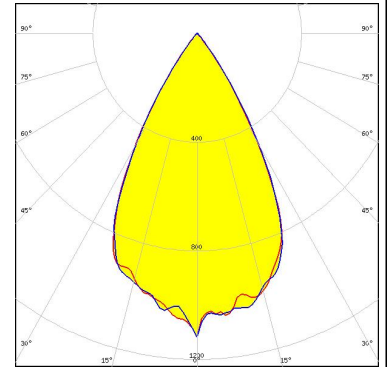


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



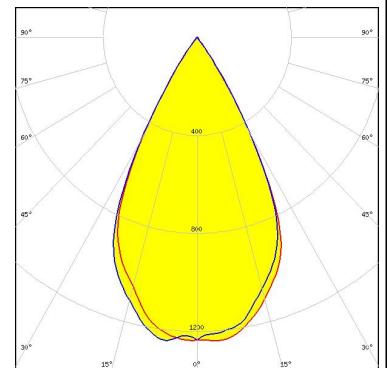
LED LUXEON TX  
FWHM / FWTM 56.0° / 75.0°  
Efficiency 86 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



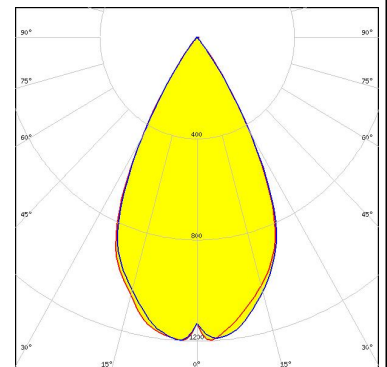
Light distribution files



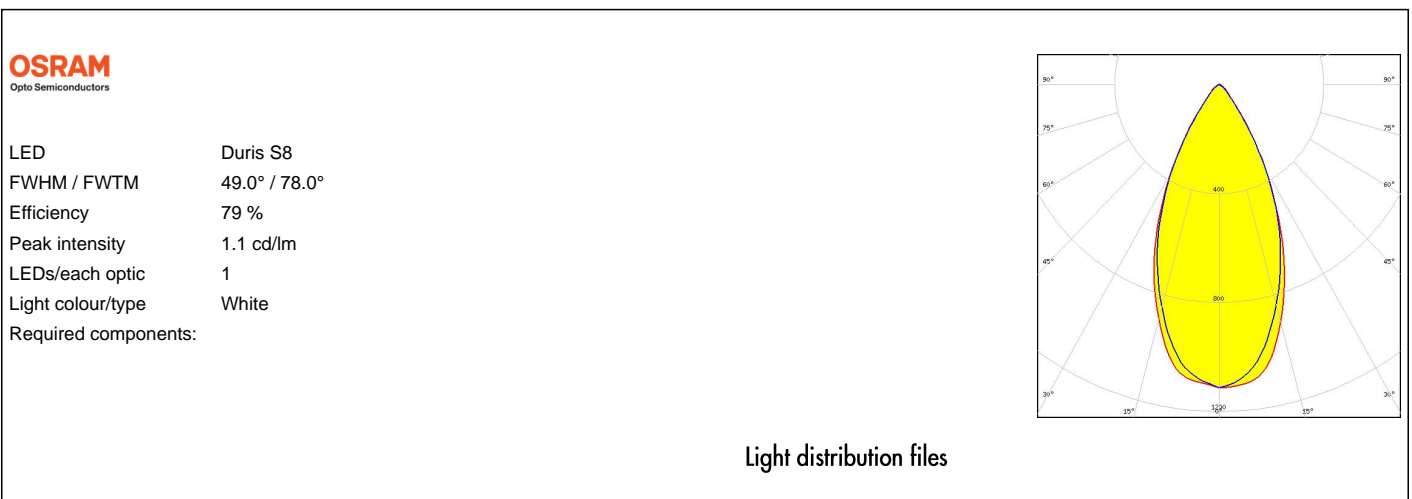
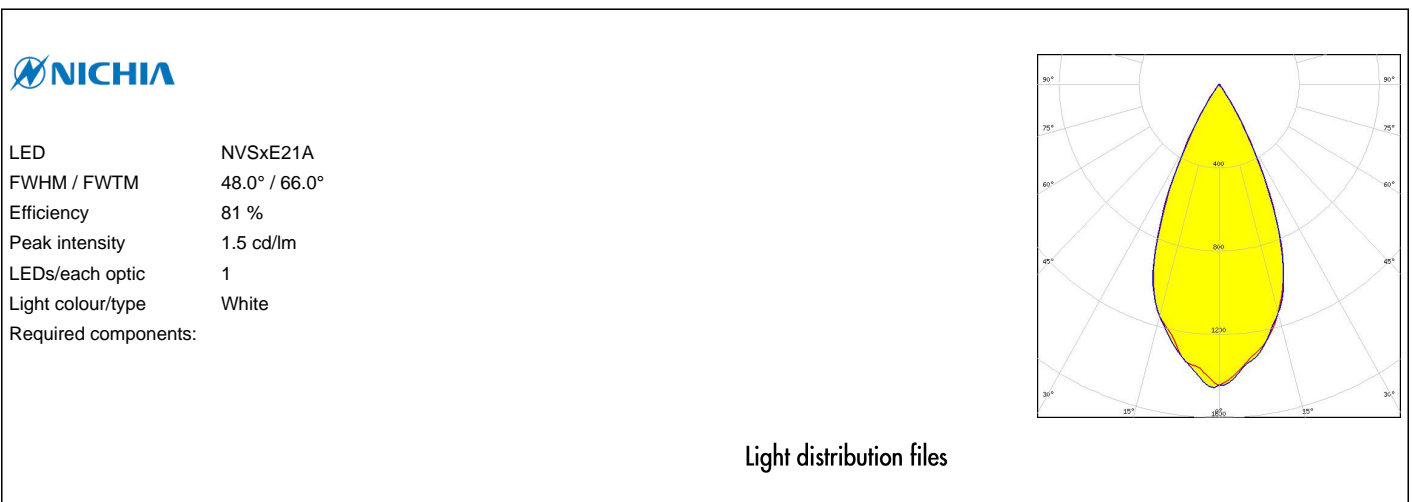
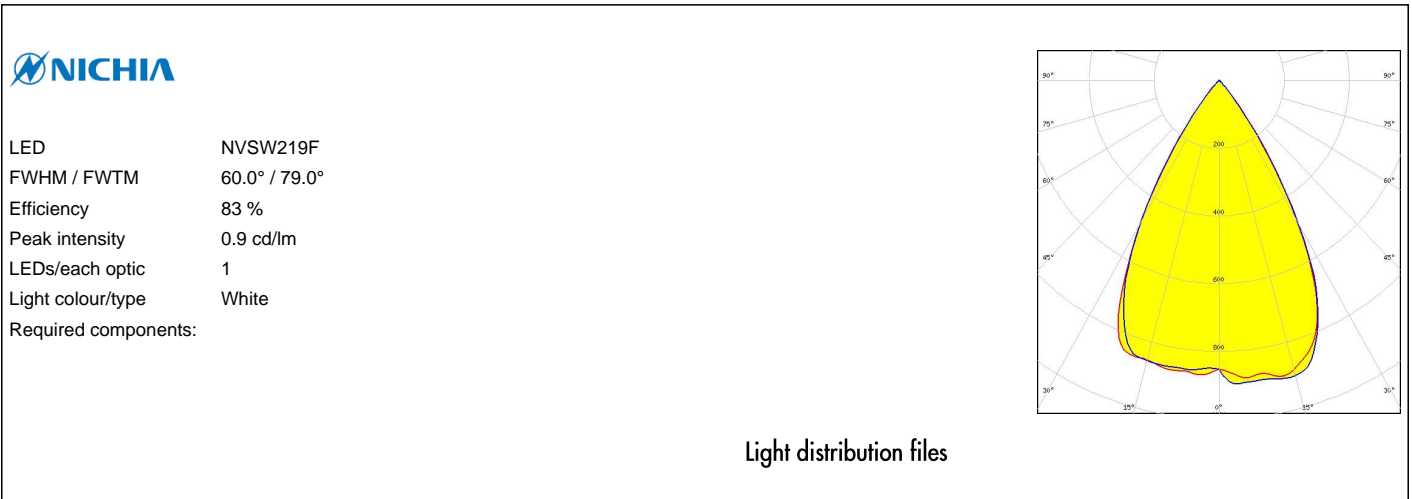
LED LUXEON Z ES  
FWHM / FWTM 56.0° / 71.0°  
Efficiency 89 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



LED SST-20  
FWHM / FWTM 55.0° / 73.0°  
Efficiency 87 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



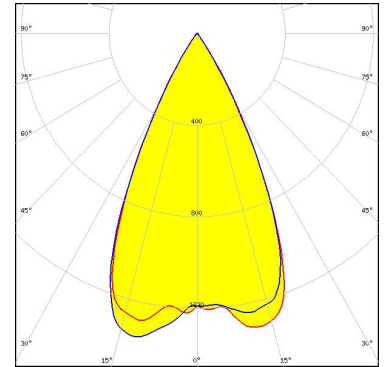
### OPTICAL RESULTS (SIMULATED):



#### OPTICAL RESULTS (SIMULATED):

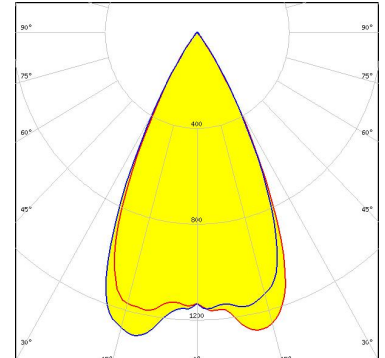
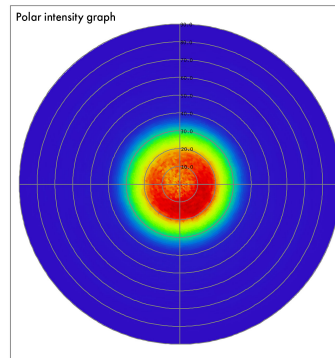
**OSRAM**  
Opto Semiconductors

LED LZ1-00CW02  
 FWHM / FWTM 52.0° / 68.0°  
 Efficiency 90 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



**OSRAM**  
Opto Semiconductors

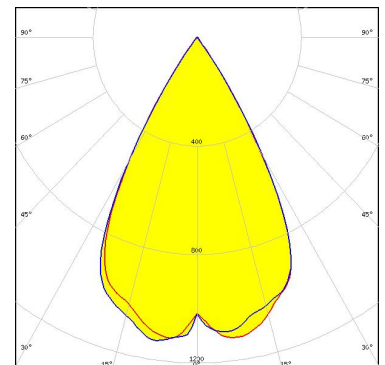
LED LZ1-00R702  
 FWHM / FWTM 53.0° / 70.0°  
 Efficiency 89 %  
 LEDs/each optic 1  
 Light colour/type IR  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

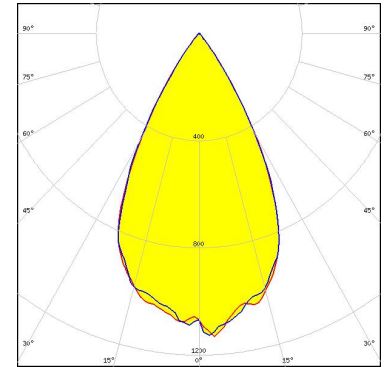
LED OSLO Pure 1414  
 FWHM / FWTM 58.0° / 72.0°  
 Efficiency 90 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

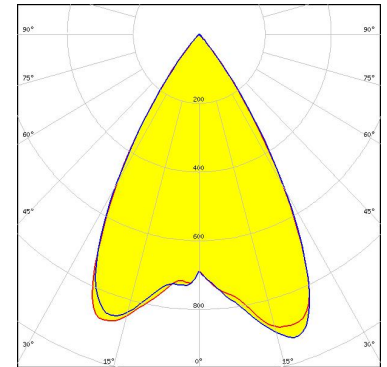
LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 55.0° / 75.0°  
Efficiency 84 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

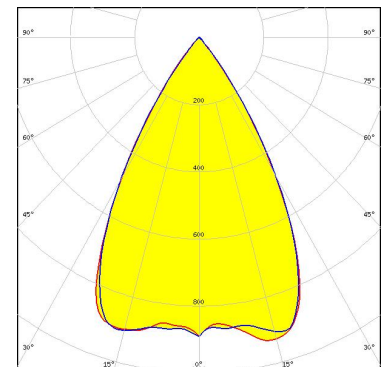
**SAMSUNG**

LED LH351B  
FWHM / FWTM 62.0° / 80.0°  
Efficiency 84 %  
Peak intensity 0.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



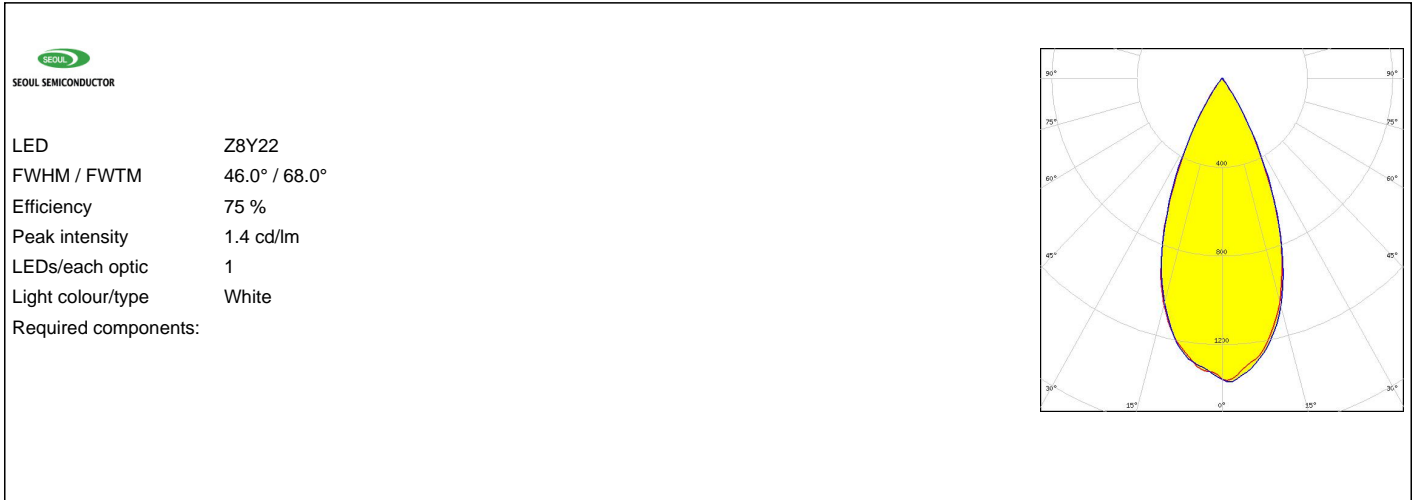
**SAMSUNG**

LED LH351C  
FWHM / FWTM 60.0° / 78.0°  
Efficiency 84 %  
Peak intensity 0.9 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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