

## LEILA-Y-O

~45° + 15° oval beam. 14.8 mm high assembly with holder, installation tape and pins.

## SPECIFICATION:

Dimensions	Ø 21.6
Height	14.8 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

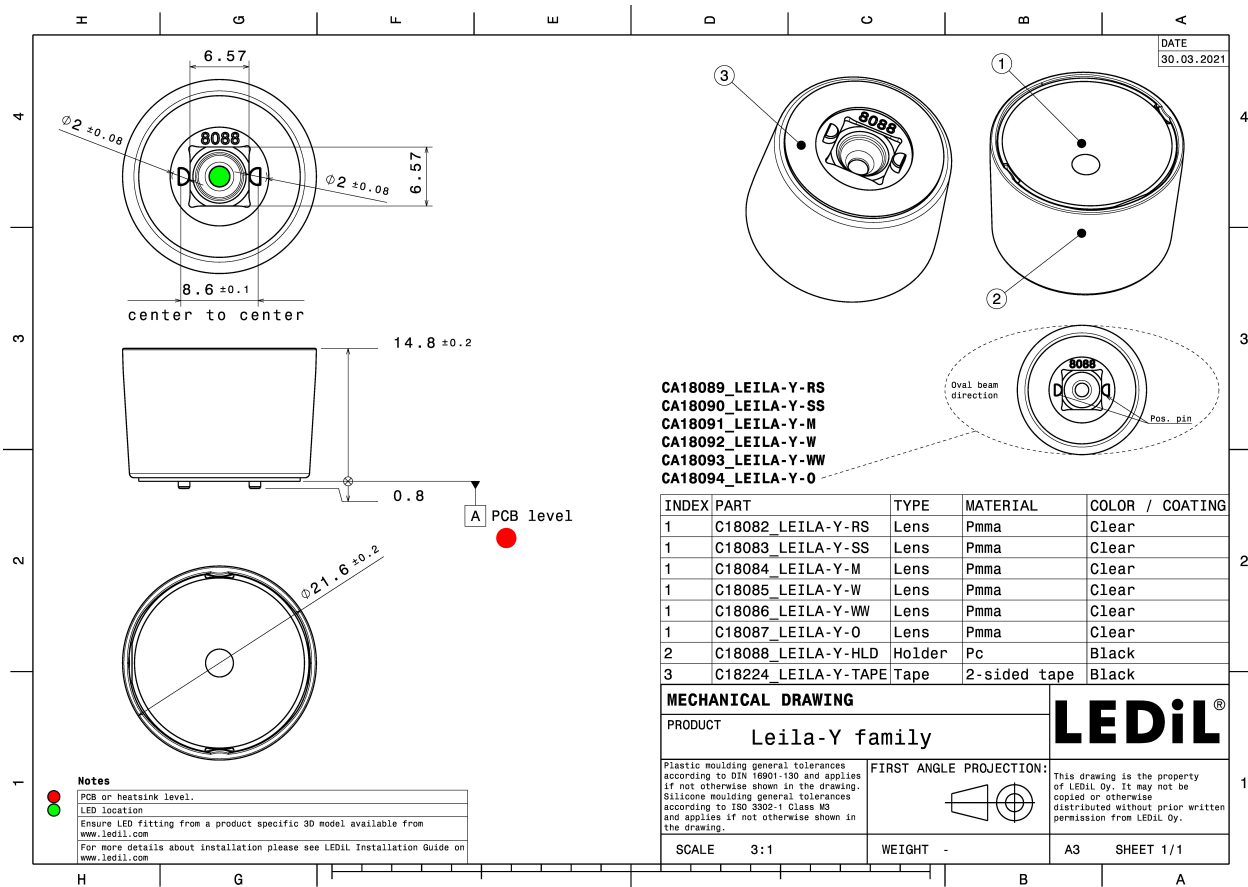


## MATERIALS:

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

## ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA18094_LEILA-Y-O	1800	180	180	7.6
» Box size: 476 x 273 x 197 mm				

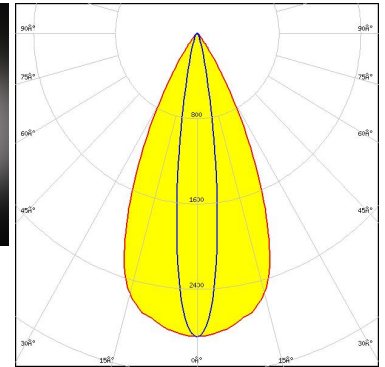


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



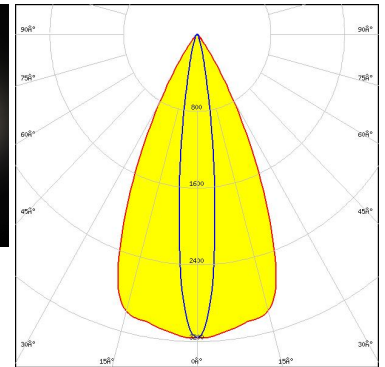
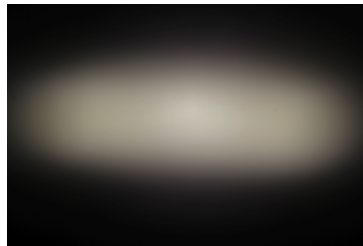
LED XHP35 HI  
 FWHM / FWTM 49.0 + 16.0° / 70.0 + 31.0°  
 Efficiency 80 %  
 Peak intensity 2.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



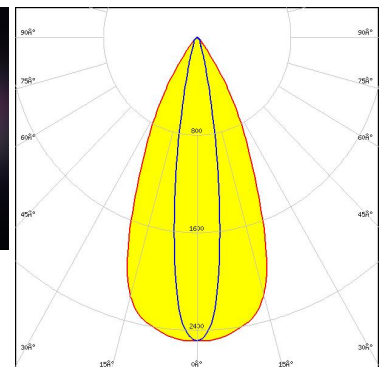
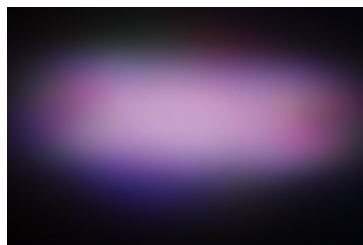
LED XP-G4  
 FWHM / FWTM 50.0 + 14.0° / 69.0 + 29.0°  
 Efficiency 81 %  
 Peak intensity 3.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-L RGBW HD  
 FWHM / FWTM 47.0 + 17.0° / 72.0 + 34.0°  
 Efficiency 78 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type RGBW  
 Required components:

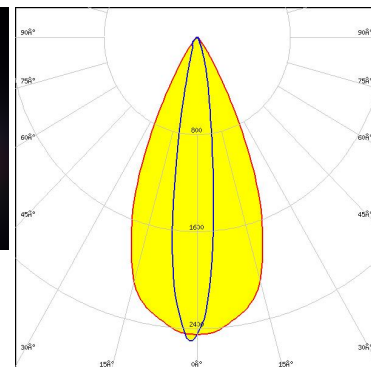
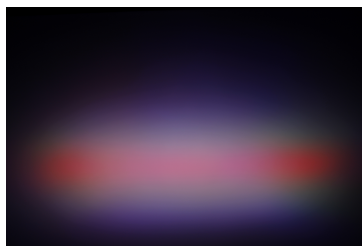


Light distribution files

### OPTICAL RESULTS (MEASURED):



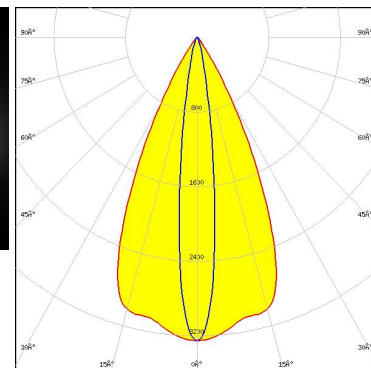
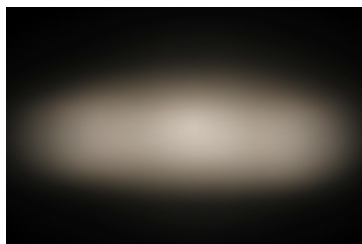
LED XP-L RGBW HI  
 FWHM / FWTM 47.0 + 16.0° / 69.0 + 34.0°  
 Efficiency 73 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



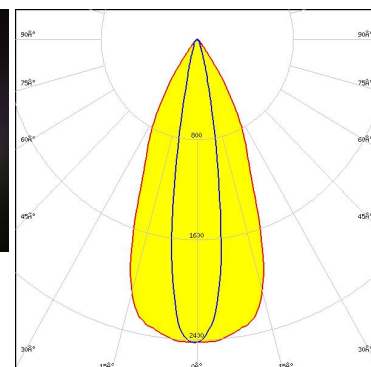
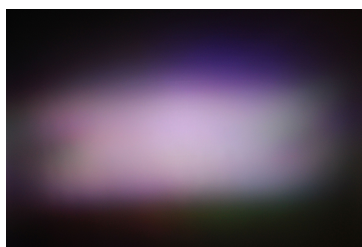
LED NVSW719AC  
 FWHM / FWTM 50.0 + 14.0° / 68.0 + 28.0°  
 Efficiency 81 %  
 Peak intensity 3.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED OSLO 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:



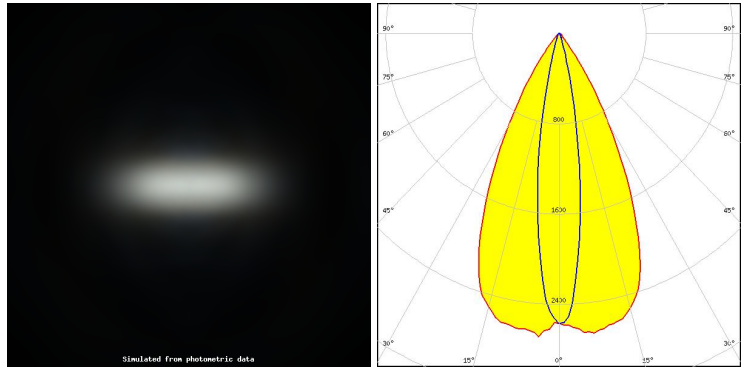
Light distribution files



#### OPTICAL RESULTS (SIMULATED):



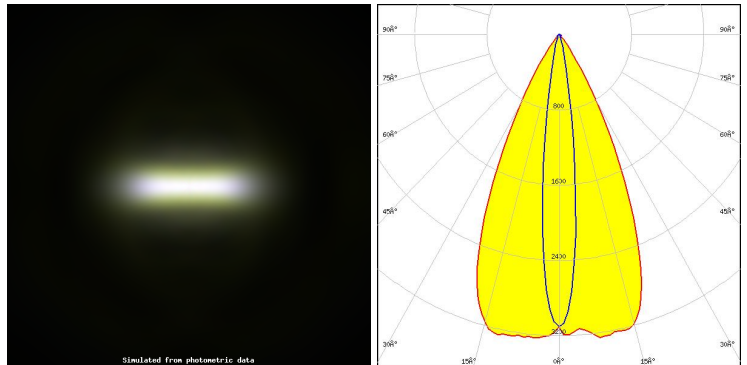
LED SMD 3535 BXEX-XXX-11H-3B1  
 FWHM / FWTM 54.0 + 18.0° / 76.0 + 32.0°  
 Efficiency 82 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



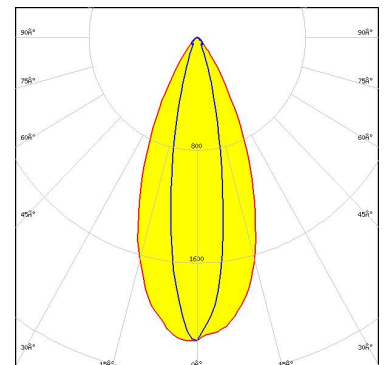
LED J Series 3030C  
 FWHM / FWTM 50.0 + 14.0° / 70.0 + 26.0°  
 Efficiency 81 %  
 Peak intensity 3.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



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:

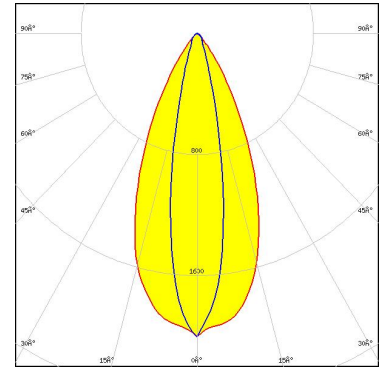


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



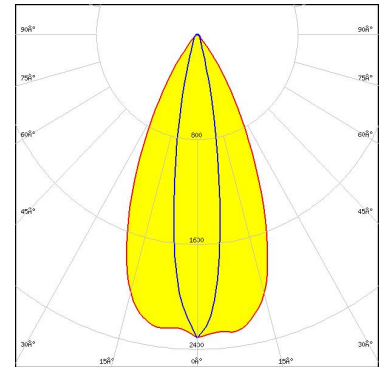
LED J Series 5050B 6V K Class  
 FWHM / FWTM 46.0 + 20.0° / 74.0 + 42.0°  
 Efficiency 77 %  
 Peak intensity 2 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



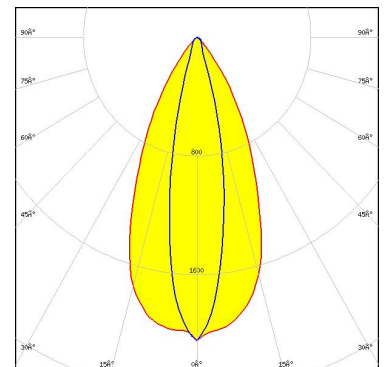
LED XHP35.2 HI  
 FWHM / FWTM 49.0 + 18.0° / 74.0 + 34.0°  
 Efficiency 78 %  
 Peak intensity 2.3 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



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

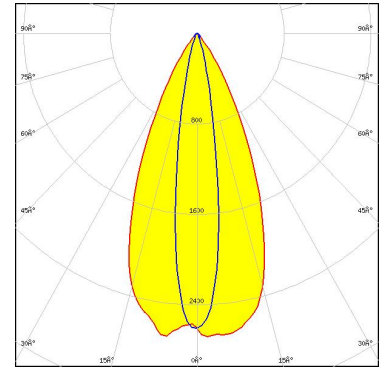


Light distribution files

### OPTICAL RESULTS (SIMULATED):



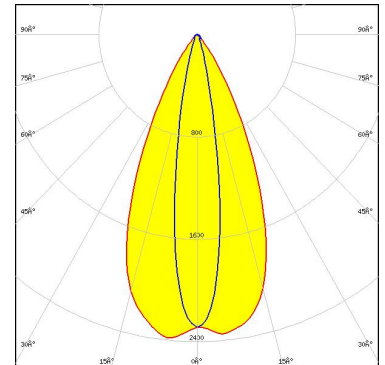
LED XM-L2  
 FWHM / FWTM 17.0 + 47.0°  
 Efficiency 81 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



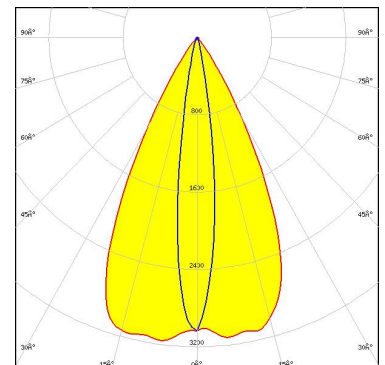
LED XM-L3  
 FWHM / FWTM 17.0 + 48.0°  
 Efficiency 76 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-E2  
 FWHM / FWTM 54.0 + 15.0° / 72.0 + 27.0°  
 Efficiency 82 %  
 Peak intensity 3.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type Amber  
 Required components:

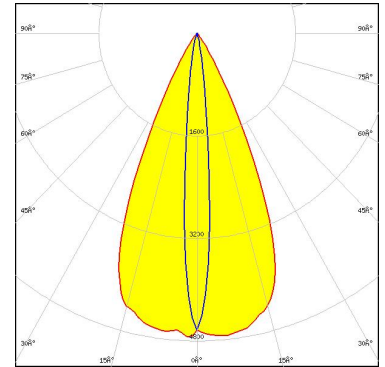


Light distribution files

### OPTICAL RESULTS (SIMULATED):



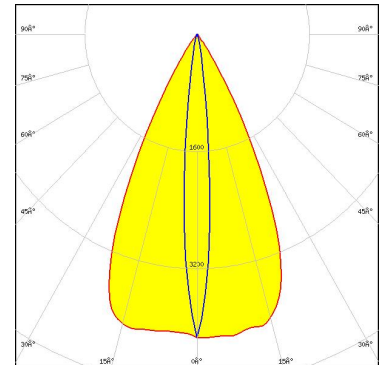
LED XP-E2  
FWHM / FWTM 10.0 + 49.0°  
Efficiency 85 %  
Peak intensity 4.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



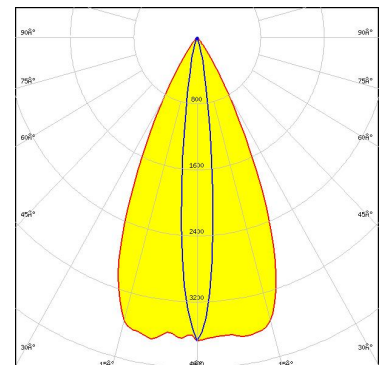
LED XP-E2  
FWHM / FWTM 52.0 + 10.0° / 68.0 + 20.0°  
Efficiency 84 %  
Peak intensity 4.2 cd/lm  
LEDs/each optic 1  
Light colour/type Blue  
Required components:



Light distribution files



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

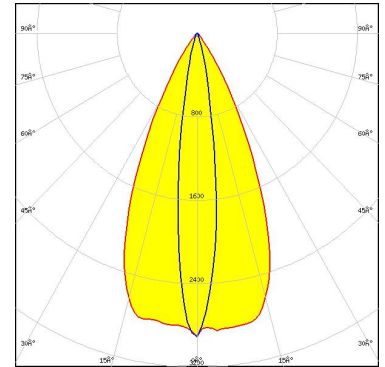


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



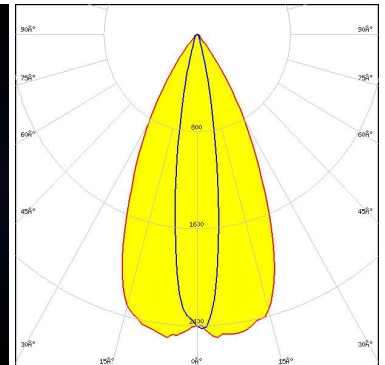
LED XP-G3  
 FWHM / FWTM 15.0 + 48.0°  
 Efficiency 80 %  
 Peak intensity 2.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



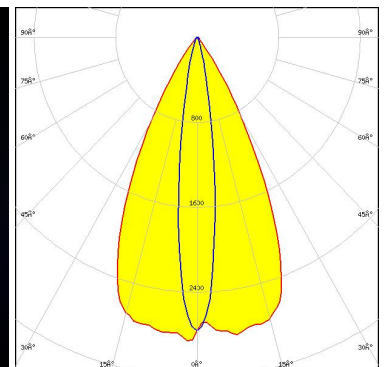
LED XP-L RGBW HD  
 FWHM / FWTM 51.0 + 18.0° / 76.0 + 33.0°  
 Efficiency 80 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type RGBW  
 Required components:



Light distribution files



LED XP-L RGBW HI  
 FWHM / FWTM 52.0 + 14.0° / 72.0 + 30.0°  
 Efficiency 80 %  
 Peak intensity 2.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type RGBW  
 Required components:



Light distribution files

**CREE**   
**LEDs**

## Light distribution files



## Light distribution files



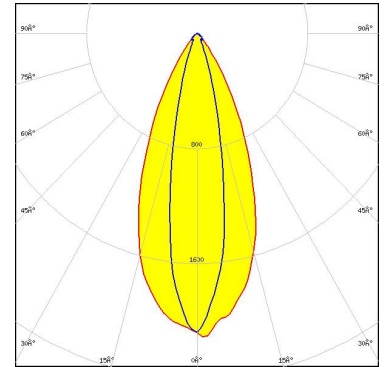
## Light distribution files



### OPTICAL RESULTS (SIMULATED):



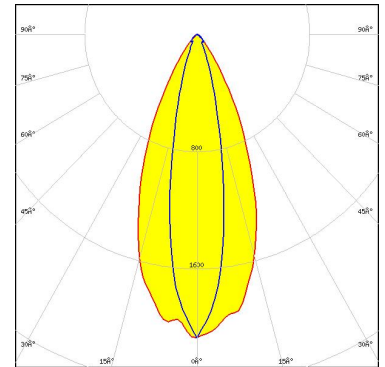
LED LUXEON 5050 Round LES  
 FWHM / FWTM 21.0 + 44.0°  
 Efficiency 78 %  
 Peak intensity 2.1 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



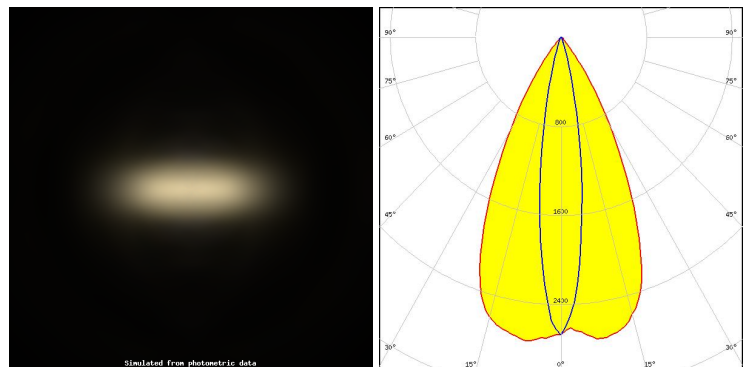
LED LUXEON 5050 Square LES  
 FWHM / FWTM 21.0 + 44.0°  
 Efficiency 78 %  
 Peak intensity 2.1 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON HL2X-V  
 FWHM / FWTM 52.0 + 16.0° / 76.0 + 32.0°  
 Efficiency 83 %  
 Peak intensity 2.7 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

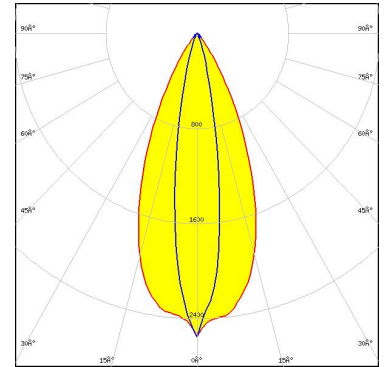


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



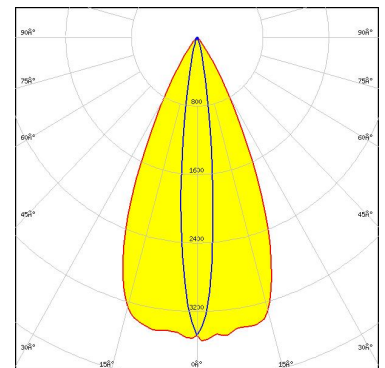
LED LUXEON MZ  
FWHM / FWTM 17.0 + 43.0°  
Efficiency 78 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



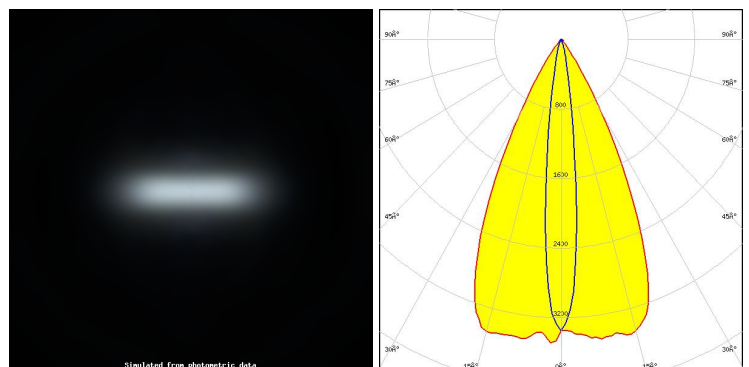
LED LUXEON TX  
FWHM / FWTM 13.0 + 48.0°  
Efficiency 82 %  
Peak intensity 3.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED SST-20 Gen2  
FWHM / FWTM 52.0 + 12.0° / 70.0 + 24.0°  
Efficiency 82 %  
Peak intensity 3.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

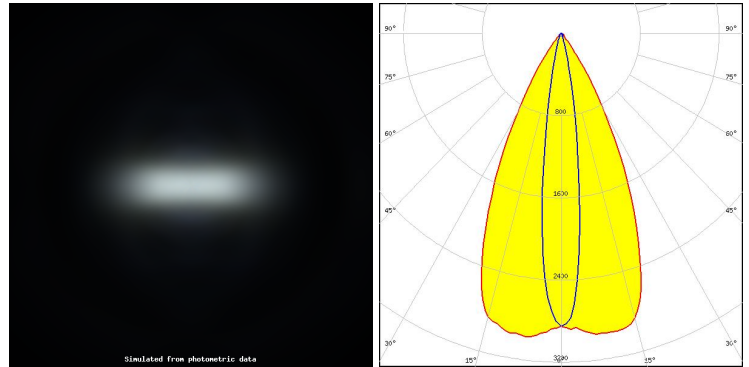


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



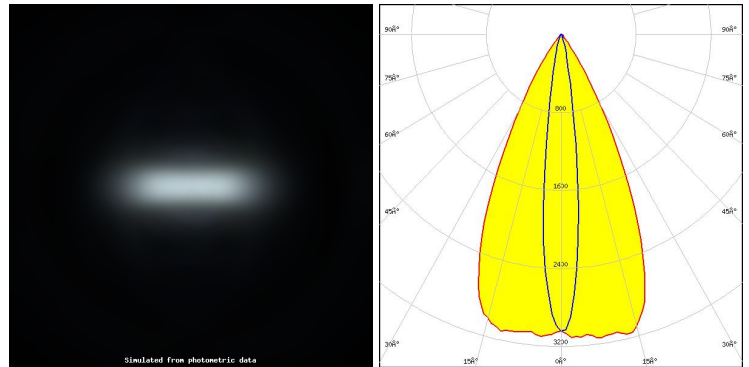
LED SST-20F-W  
 FWHM / FWTM 52.0 + 14.0° / 72.0 + 28.0°  
 Efficiency 82 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



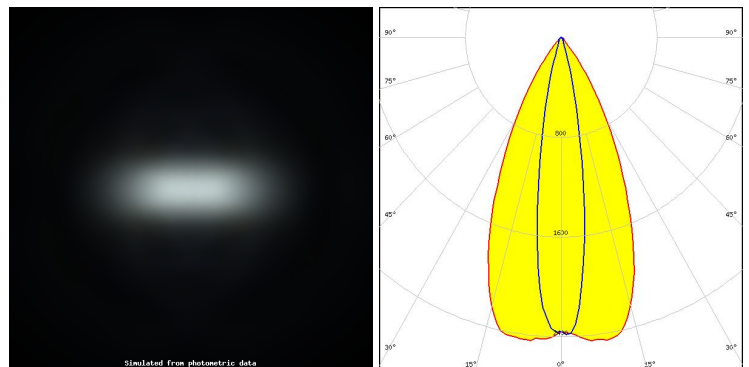
LED SST-25-W  
 FWHM / FWTM 52.0 + 14.0° / 72.0 + 26.0°  
 Efficiency 81 %  
 Peak intensity 3.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED SST-36F-W  
 FWHM / FWTM 50.0 + 18.0° / 76.0 + 33.0°  
 Efficiency 81 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

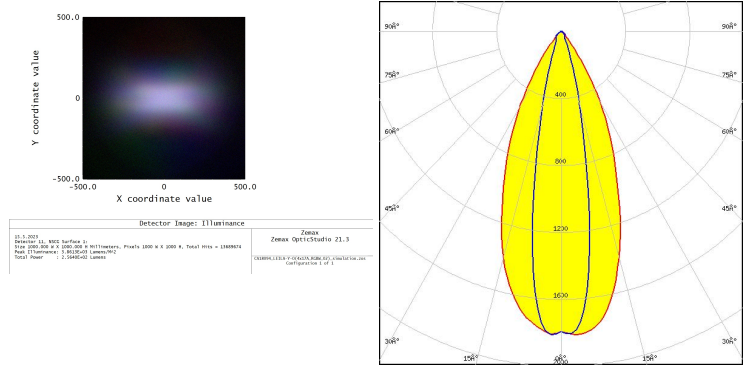


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



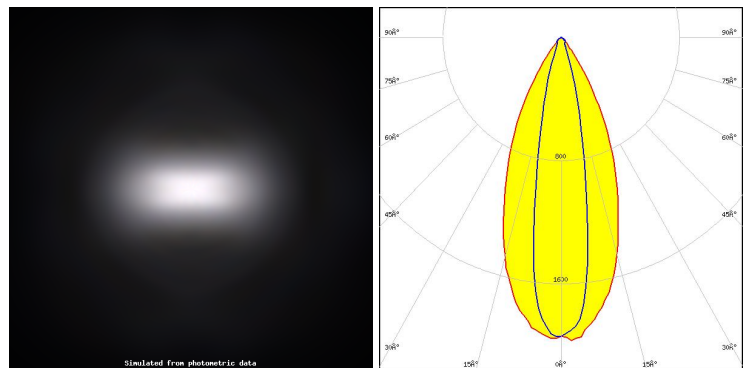
LED NCSxE17A  
 FWHM / FWTM 45.0 + 21.0° / 74.0 + 40.0°  
 Efficiency 70 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 4  
 Light colour/type RGBW  
 Required components:



Light distribution files



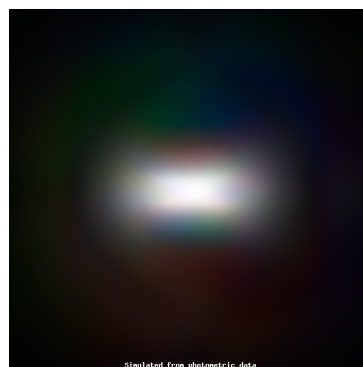
LED NCSxE17A  
 FWHM / FWTM 44.0 + 20.0° / 74.0 + 40.0°  
 Efficiency 72 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 4  
 Light colour/type White  
 Required components:



Light distribution files



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:

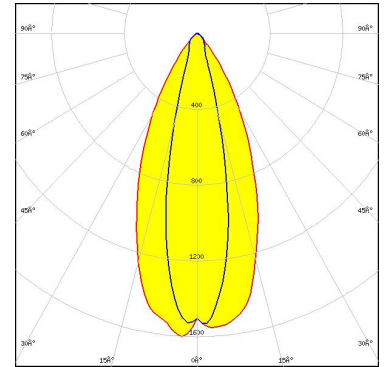


Light distribution files

### OPTICAL RESULTS (SIMULATED):



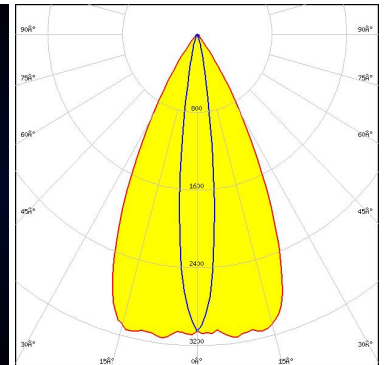
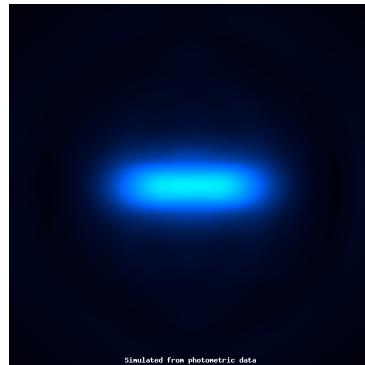
LED NV4x144A  
 FWHM / FWTM 46.0 + 24.0° / 78.0 + 42.0°  
 Efficiency 69 %  
 Peak intensity 1.6 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



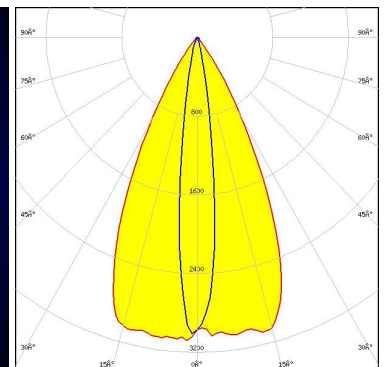
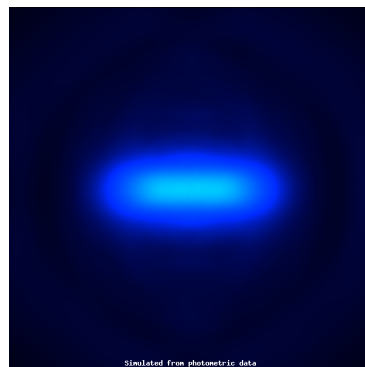
LED NVSB219GL-L1  
 FWHM / FWTM 52.0 + 14.0° / 72.0 + 26.0°  
 Efficiency 81 %  
 Peak intensity 3.1 cd/Im  
 LEDs/each optic 1  
 Light colour/type Blue  
 Required components:



Light distribution files



LED NVSC219GL-L1  
 FWHM / FWTM 52.0 + 14.0° / 72.0 + 27.0°  
 Efficiency 80 %  
 Peak intensity 3.1 cd/Im  
 LEDs/each optic 1  
 Light colour/type Royal Blue  
 Required components:

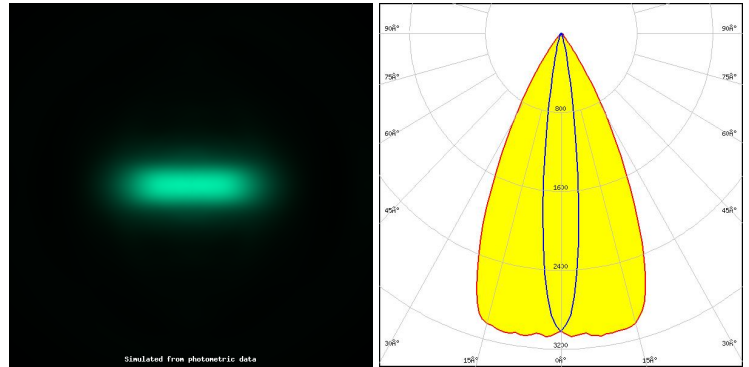


Light distribution files

### OPTICAL RESULTS (SIMULATED):



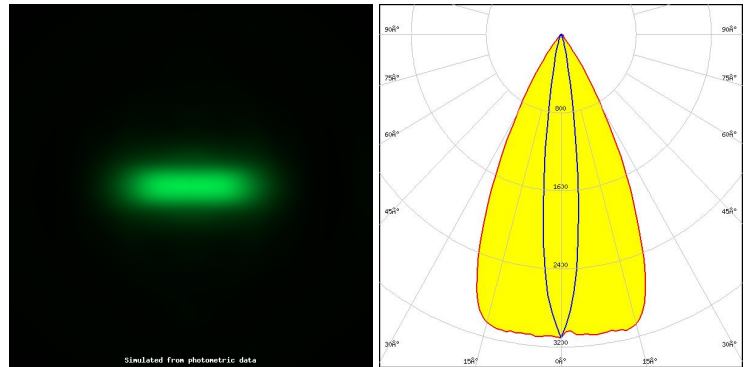
LED NVSE219GL-L1  
 FWHM / FWTM 52.0 + 14.0° / 72.0 + 26.0°  
 Efficiency 81 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type Cyan  
 Required components:



Light distribution files



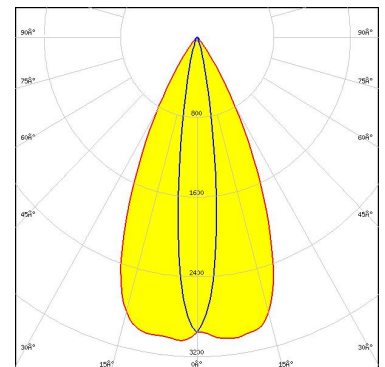
LED NVSG219GL-L1  
 FWHM / FWTM 52.0 + 14.0° / 72.0 + 26.0°  
 Efficiency 81 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type Green  
 Required components:



Light distribution files



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:



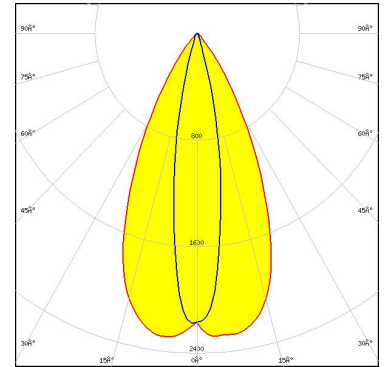
Light distribution files



### OPTICAL RESULTS (SIMULATED):



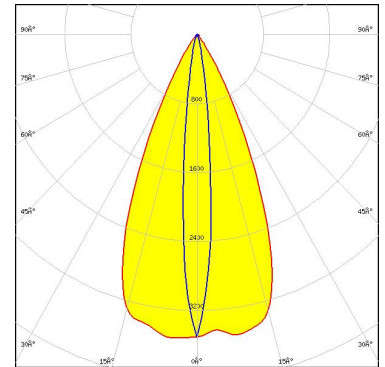
LED NVSW519A  
 FWHM / FWTM 50.0 + 19.0° / 76.0 + 34.0°  
 Efficiency 77 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



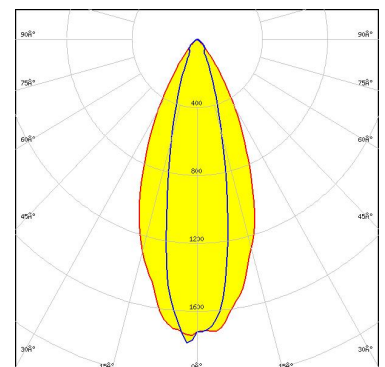
LED NVSxE21A  
 FWHM / FWTM 48.0 + 11.0° / 66.0 + 24.0°  
 Efficiency 77 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



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:

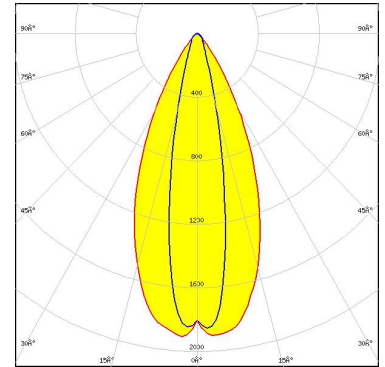


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

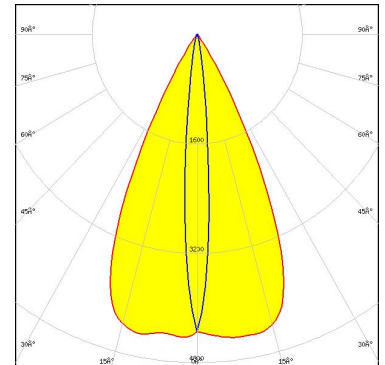
LED: OSCONIQ S 5050  
FWHM / FWTM: 47.0 + 22.0° / 76.0 + 43.0°  
Efficiency: 76 %  
Peak intensity: 1.9 cd/lm  
LEDs/each optic: 1  
Light colour/type: White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

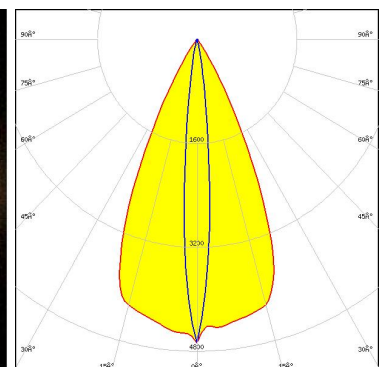
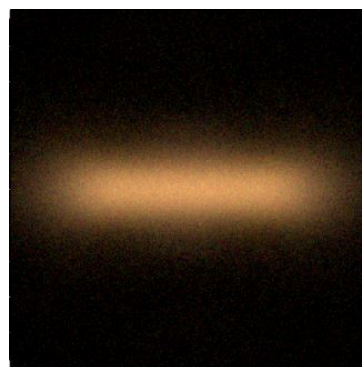
LED: OSLO Pure 1414  
FWHM / FWTM: 52.0 + 10.0° / 66.0 + 20.0°  
Efficiency: 84 %  
Peak intensity: 4.5 cd/lm  
LEDs/each optic: 1  
Light colour/type: White  
Required components:



Light distribution files

**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:

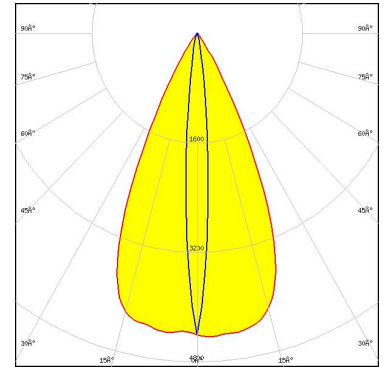


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

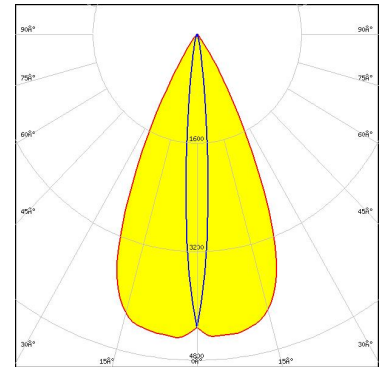
LED SYNIOS S2222  
FWHM / FWTM 50.0 + 8.0° / 66.0 + 20.0°  
Efficiency 83 %  
Peak intensity 4.4 cd/lm  
LEDs/each optic 1  
Light colour/type Green  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

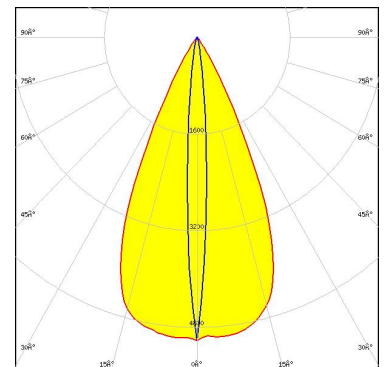
LED SYNIOS S2222  
FWHM / FWTM 50.0 + 9.0° / 67.0 + 20.0°  
Efficiency 83 %  
Peak intensity 4.5 cd/lm  
LEDs/each optic 1  
Light colour/type Blue  
Required components:



Light distribution files

**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:

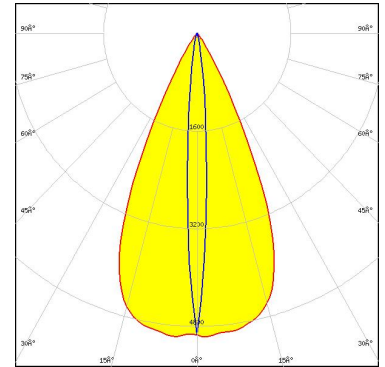


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

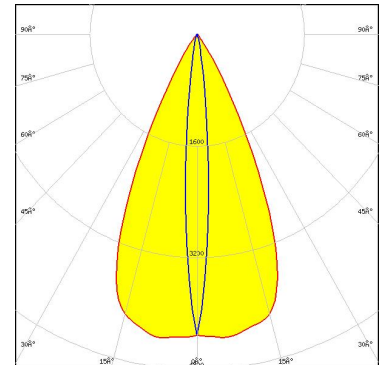
LED SYNIOS S2222  
FWHM / FWTM 50.0 + 8.0° / 66.0 + 20.0°  
Efficiency 83 %  
Peak intensity 5 cd/Im  
LEDs/each optic 1  
Light colour/type Yellow  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

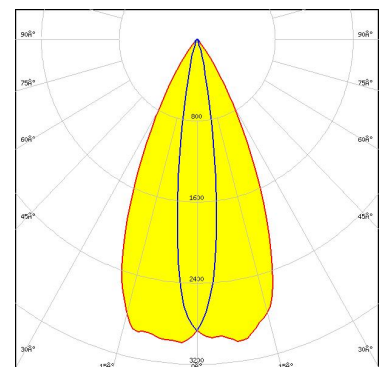
LED SYNIOS S2222  
FWHM / FWTM 50.0 + 10.0° / 67.0 + 20.0°  
Efficiency 82 %  
Peak intensity 4.4 cd/Im  
LEDs/each optic 1  
Light colour/type Blue  
Required components:



Light distribution files

**SAMSUNG**

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

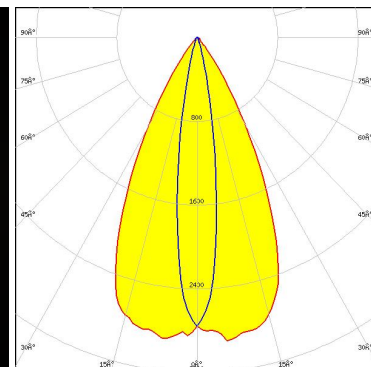


Light distribution files

## OPTICAL RESULTS (SIMULATED):



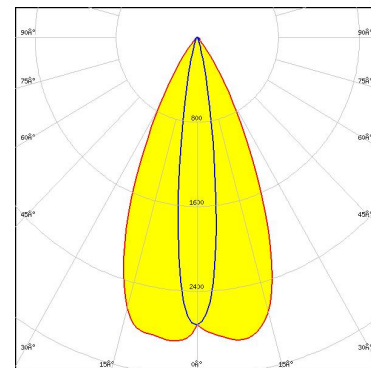
LED Z5M3-E1  
FWHM / FWTM 52.0 + 16.0° / 74.0 + 31.0°  
Efficiency 83 %  
Peak intensity 2.9 cd/Im  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED Z5M4  
FWHM / FWTM 48.0 + 16.0° / 72.0 + 30.0°  
Efficiency 81 %  
Peak intensity 2.9 cd/Im  
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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