

## LEILA-Y-SS

~14° smooth spot beam. 14.8 mm high assembly  
with black holder, installation tape and pins.

## SPECIFICATION:

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

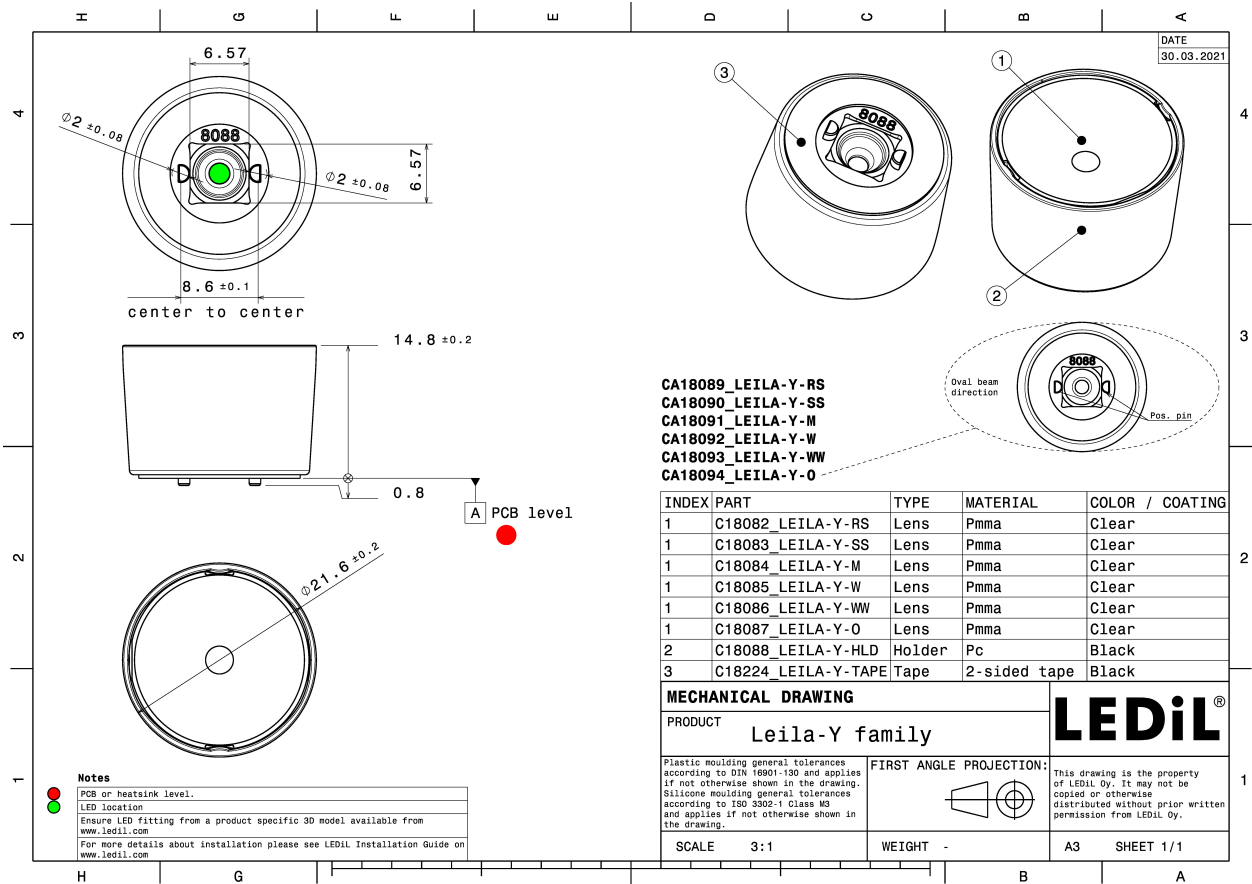


## MATERIALS:

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

## ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA18090_LEILA-Y-SS » Box size: 476 x 273 x 197 mm	1800	180	180	7.2

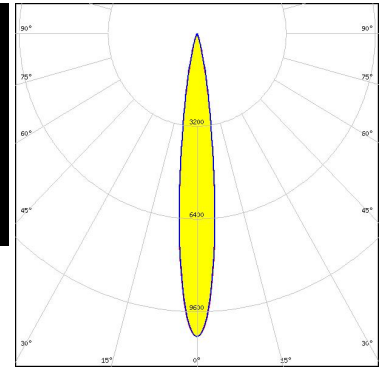


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



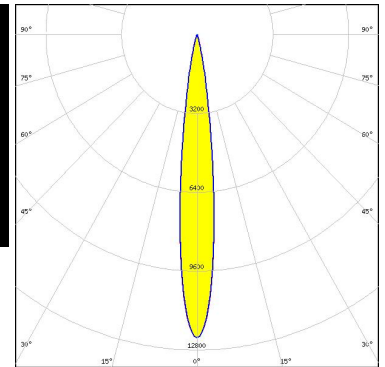
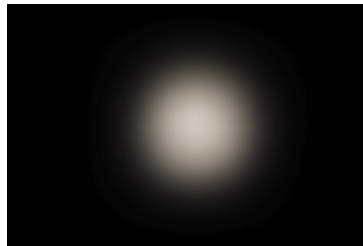
LED XHP35 HI  
FWHM / FWTM 14.0° / 27.0°  
Efficiency 83 %  
Peak intensity 10.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



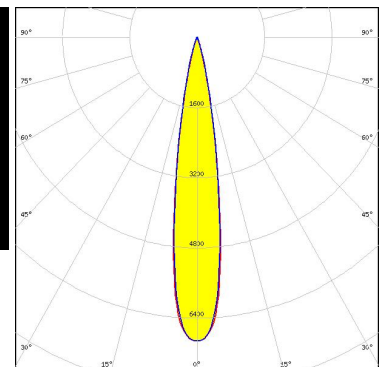
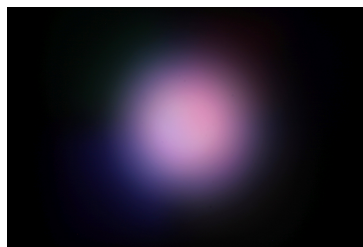
LED XP-G4  
FWHM / FWTM 13.0° / 25.0°  
Efficiency 85 %  
Peak intensity 12.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XP-L RGBW HD  
FWHM / FWTM 17.0° / 31.0°  
Efficiency 81 %  
Peak intensity 7 cd/lm  
LEDs/each optic 1  
Light colour/type RGBW  
Required components:

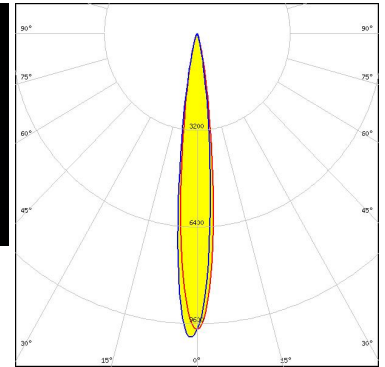
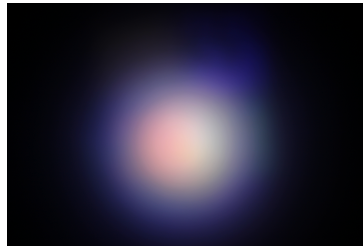


Light distribution files

#### OPTICAL RESULTS (MEASURED):



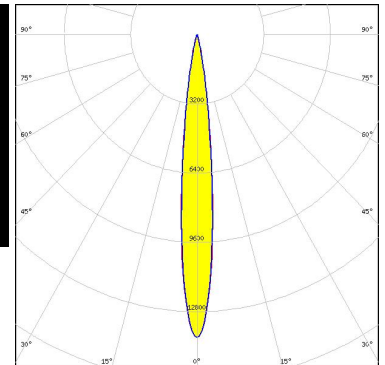
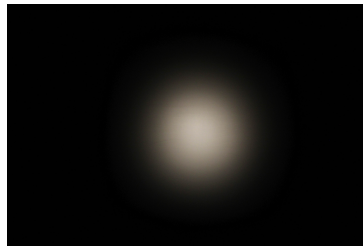
LED XP-L RGBW HI Blend  
 FWHM / FWTM 12.0° / 25.0°  
 Efficiency 75 %  
 Peak intensity 10 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



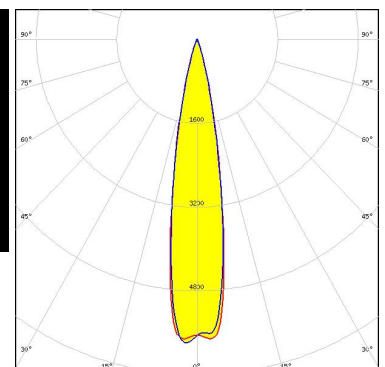
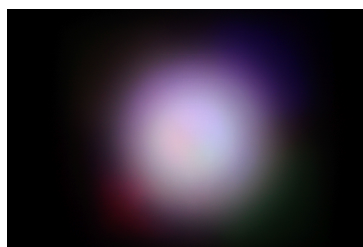
LED NVSW719AC  
 FWHM / FWTM 12.0° / 24.0°  
 Efficiency 85 %  
 Peak intensity 14 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED OSLO Pure 1414  
 FWHM / FWTM 19.0° / 33.0°  
 Efficiency 80 %  
 Peak intensity 5.9 cd/lm  
 LEDs/each optic 4  
 Light colour/type RGBW  
 Required components:



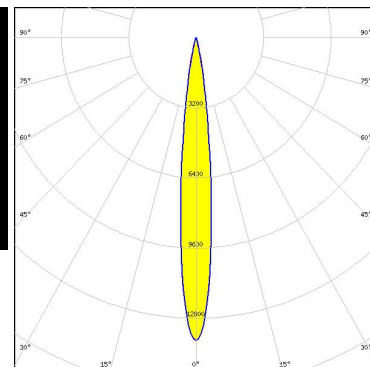
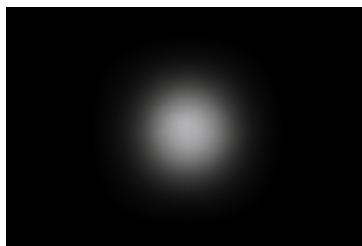
Light distribution files



## OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	12.0° / 24.0°
Efficiency	84 %
Peak intensity	13.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

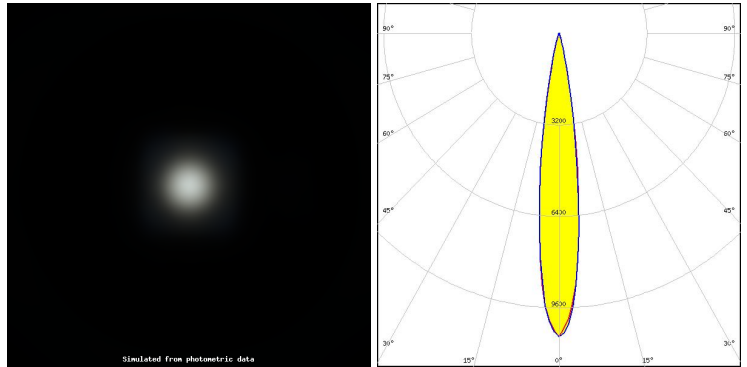


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



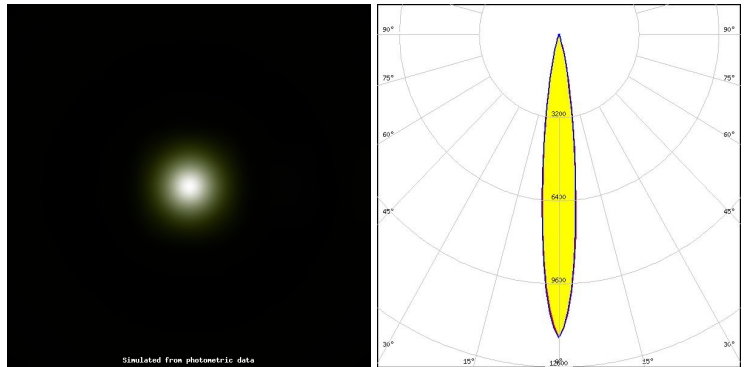
LED Bridgelux SMD 3535 (3B1)  
 FWHM / FWTM 16.0° / 28.0 + 27.0°  
 Efficiency 88 %  
 Peak intensity 10.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



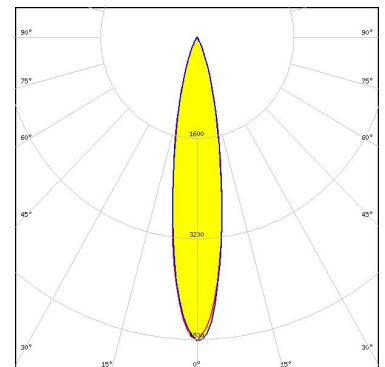
LED J Series 3030C  
 FWHM / FWTM 13.0 + 14.0° / 27.0 + 28.0°  
 Efficiency 87 %  
 Peak intensity 11.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED J Series 5050 Round LES  
 FWHM / FWTM 19.0° / 42.0°  
 Efficiency 82 %  
 Peak intensity 4.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

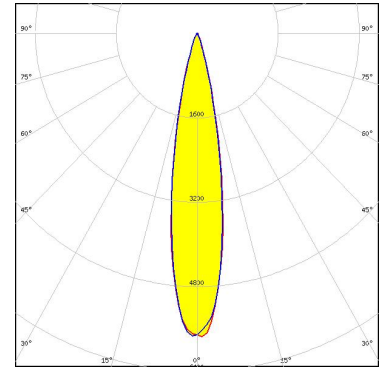


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



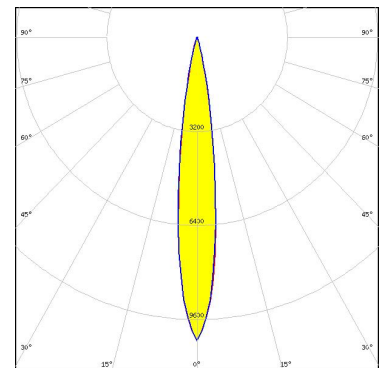
LED XHP35 HD  
FWHM / FWTM 20.0° / 36.0°  
Efficiency 83 %  
Peak intensity 5.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



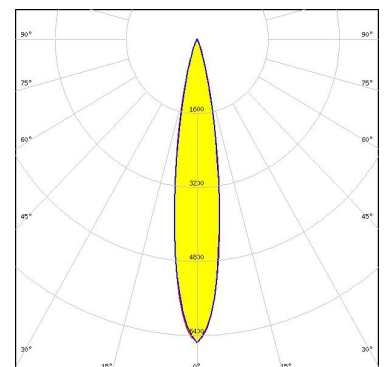
LED XHP35 HI  
FWHM / FWTM 14.0° / 28.0°  
Efficiency 87 %  
Peak intensity 10.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XHP35.2 HI  
FWHM / FWTM 18.0° / 34.0°  
Efficiency 83 %  
Peak intensity 6.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

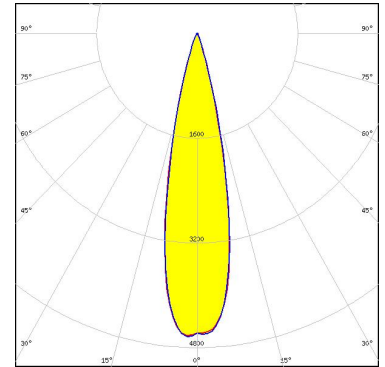


Light distribution files

### OPTICAL RESULTS (SIMULATED):



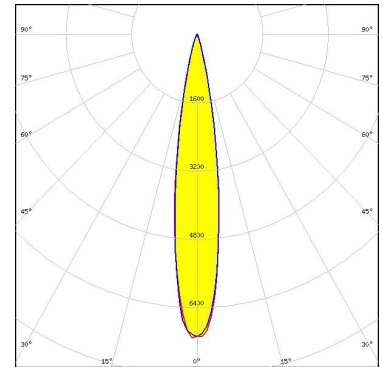
LED XM-L RGBW (XMLDCL HD)  
 FWHM / FWTM 24.0° / 38.0°  
 Efficiency 83 %  
 Peak intensity 4.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type RGBW  
 Required components:



Light distribution files



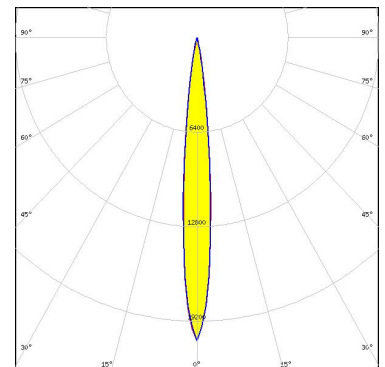
LED XM-L3  
 FWHM / FWTM 17.0° / 31.0°  
 Efficiency 80 %  
 Peak intensity 7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-E  
 FWHM / FWTM 10.0° / 20.0°  
 Efficiency 90 %  
 Peak intensity 20.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

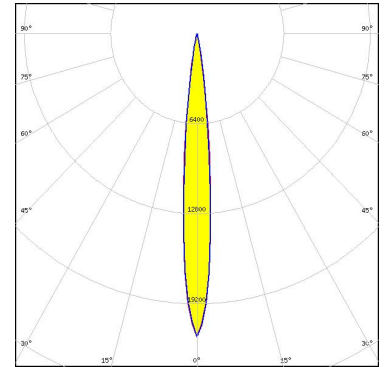


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



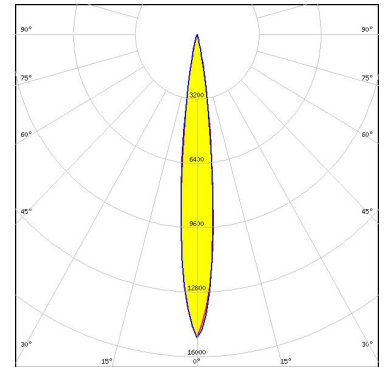
LED XP-E2  
 FWHM / FWTM 11.0° / 20.0°  
 Efficiency 91 %  
 Peak intensity 21 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



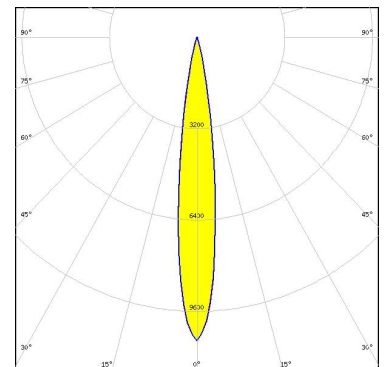
LED XP-G2  
 FWHM / FWTM 13.0° / 24.0°  
 Efficiency 90 %  
 Peak intensity 15 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-G3  
 FWHM / FWTM 14.0° / 27.0°  
 Efficiency 84 %  
 Peak intensity 10 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

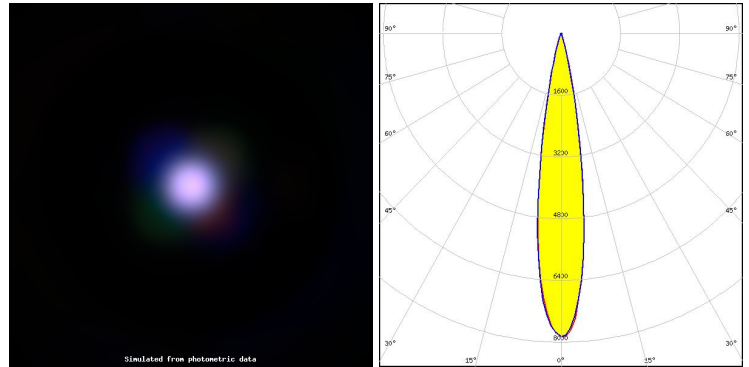


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



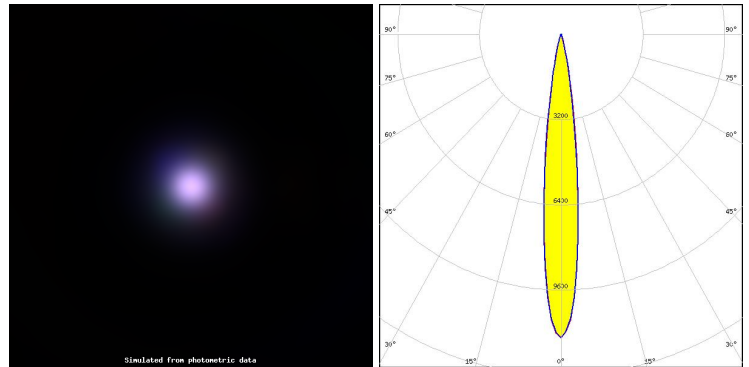
LED XP-L RGBW HD  
 FWHM / FWTM 18.0° / 30.0°  
 Efficiency 84 %  
 Peak intensity 7.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type RGBW  
 Required components:



Light distribution files



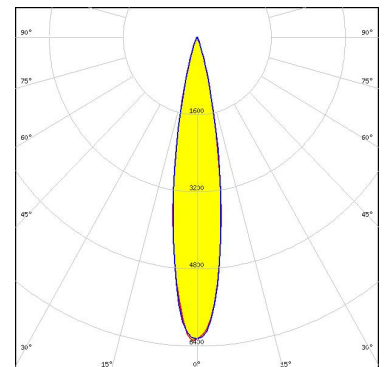
LED XP-L RGBW HI Blend  
 FWHM / FWTM 14.0° / 26.0°  
 Efficiency 86 %  
 Peak intensity 11.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type RGBW  
 Required components:



Light distribution files



LED XP-L2  
 FWHM / FWTM 18.0° / 34.0°  
 Efficiency 81 %  
 Peak intensity 6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

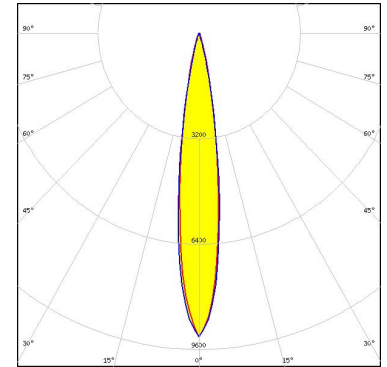


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



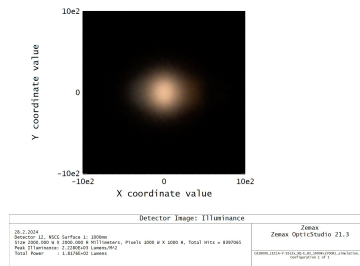
LED XQ-E HD  
FWHM / FWTM 15.0 + 16.0° / 30.0 + 28.0°  
Efficiency 86 %  
Peak intensity 9.2 cd/lm  
LEDs/each optic 2  
Light colour/type White  
Required components:



Light distribution files



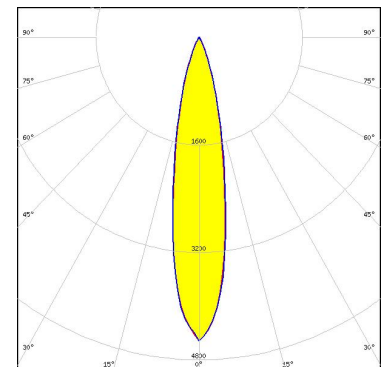
LED XQ-E HI  
FWHM / FWTM 16.0° / 33.0 + 30.0°  
Efficiency 87 %  
Peak intensity 8.8 cd/lm  
LEDs/each optic 2  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON 5050 Round LES  
FWHM / FWTM 20.0° / 43.0°  
Efficiency 82 %  
Peak intensity 4.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



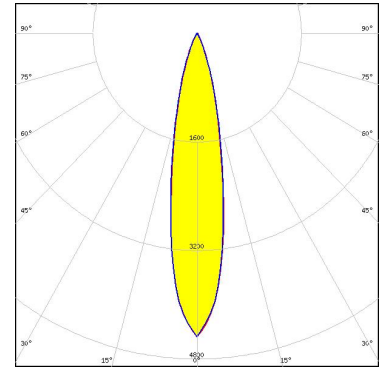
Light distribution files



#### OPTICAL RESULTS (SIMULATED):



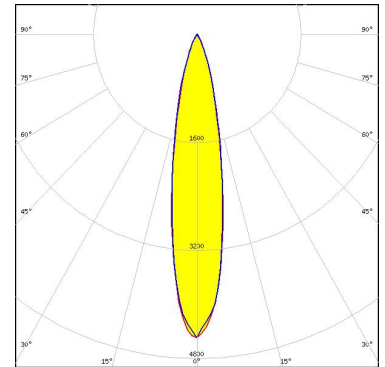
LED LUXEON 5050 Round LES  
 FWHM / FWTM 20.0° / 42.0°  
 Efficiency 82 %  
 Peak intensity 4.5 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



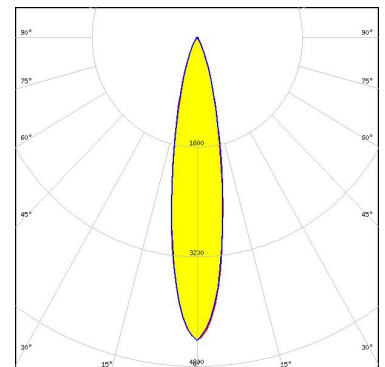
LED LUXEON 5050 Square LES  
 FWHM / FWTM 20.0° / 43.0°  
 Efficiency 81 %  
 Peak intensity 4.5 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON 5050 Square LES  
 FWHM / FWTM 20.0° / 44.0°  
 Efficiency 81 %  
 Peak intensity 4.4 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

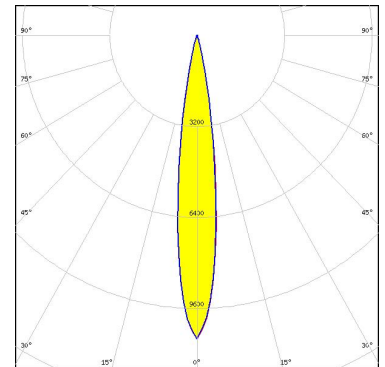


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



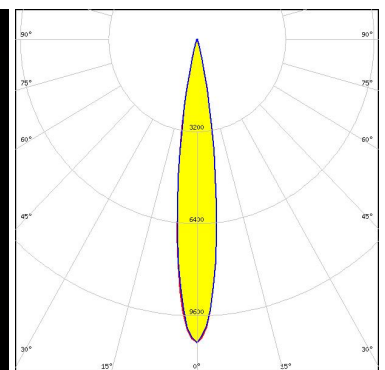
LED LUXEON HL2X  
 FWHM / FWTM 14.0° / 28.0°  
 Efficiency 87 %  
 Peak intensity 10.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



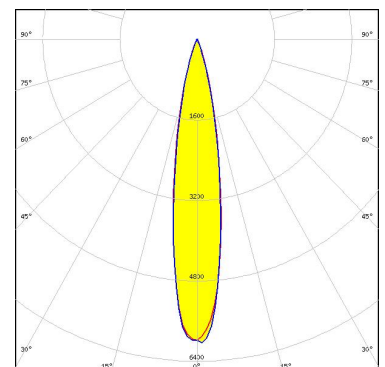
LED LUXEON HL2X-V  
 FWHM / FWTM 16.0° / 28.0°  
 Efficiency 88 %  
 Peak intensity 10.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON MZ  
 FWHM / FWTM 18.0° / 36.0°  
 Efficiency 84 %  
 Peak intensity 6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

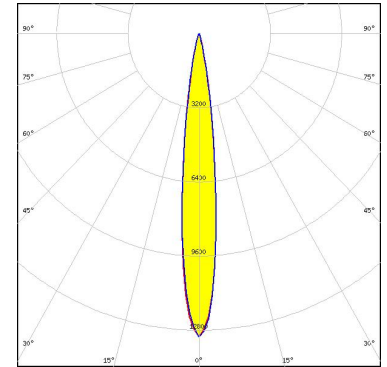


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



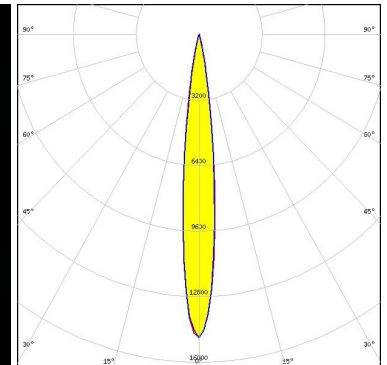
LED LUXEON TX  
 FWHM / FWTM 13.0° / 25.0°  
 Efficiency 88 %  
 Peak intensity 13 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



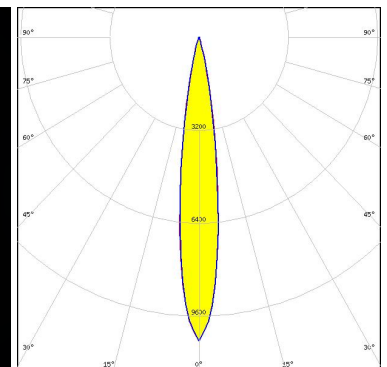
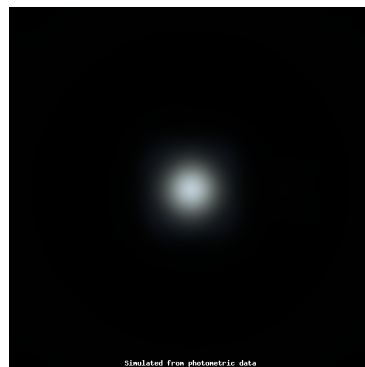
LED SST-20 Gen2  
 FWHM / FWTM 12.0° / 24.0°  
 Efficiency 88 %  
 Peak intensity 14.8 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED SST-20F-W  
 FWHM / FWTM 14.0° / 28.0°  
 Efficiency 87 %  
 Peak intensity 10.5 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

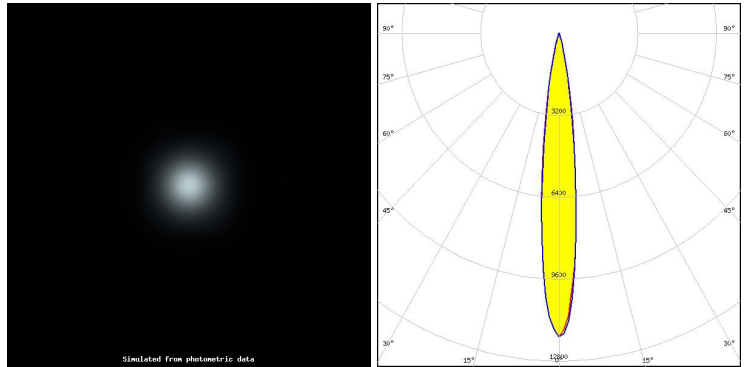


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



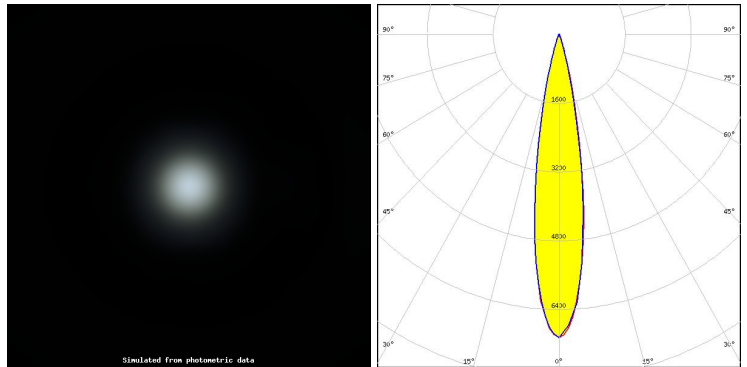
LED SST-25-W  
 FWHM / FWTM 14.0° / 26.0°  
 Efficiency 87 %  
 Peak intensity 11.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



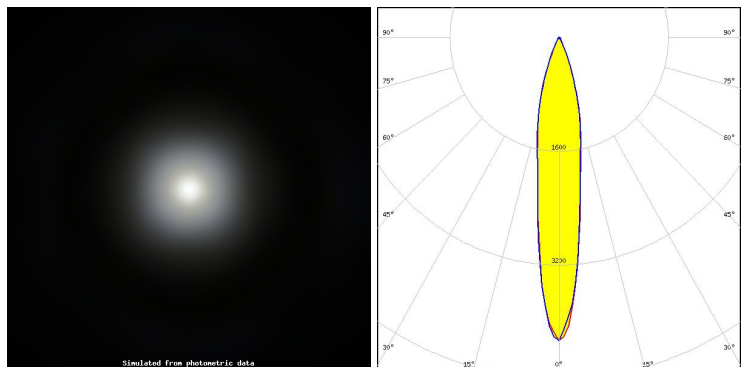
LED SST-36F-W  
 FWHM / FWTM 18.0° / 32.0°  
 Efficiency 85 %  
 Peak intensity 7.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NCSxE17A  
 FWHM / FWTM 16.0° / 44.0°  
 Efficiency 77 %  
 Peak intensity 4.3 cd/lm  
 LEDs/each optic 4  
 Light colour/type White  
 Required components:

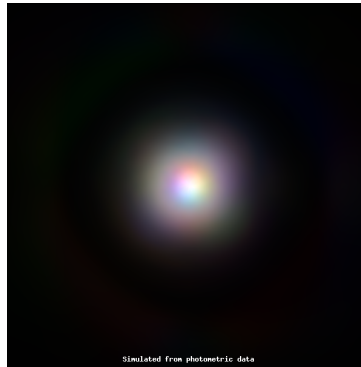


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



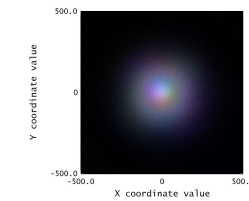
LED NCSxE17A  
FWHM / FWTM 17.0 + 18.0° / 44.0°  
Efficiency 78 %  
Peak intensity 4.3 cd/lm  
LEDs/each optic 4  
Light colour/type RGBW  
Required components:



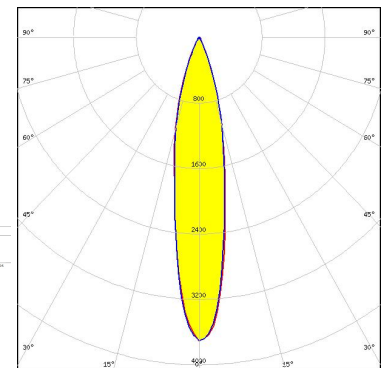
Light distribution files



LED NCSxE17A  
FWHM / FWTM 20.0° / 46.0°  
Efficiency 75 %  
Peak intensity 3.7 cd/lm  
LEDs/each optic 4  
Light colour/type RGBW  
Required components:



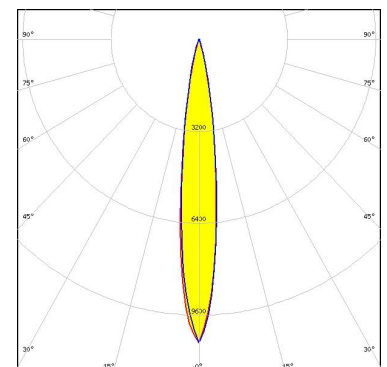
Detector Image: Illuminance  
Zemax OpticStudio 21.3  
Zemax



Light distribution files



LED NF2x757G  
FWHM / FWTM 14.0° / 28.0°  
Efficiency 87 %  
Peak intensity 10.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

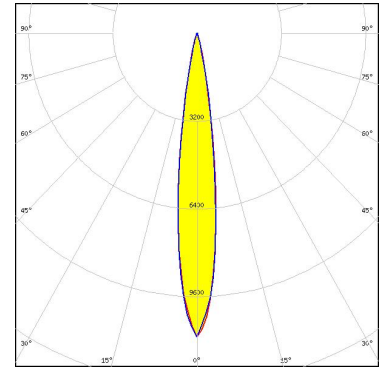


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



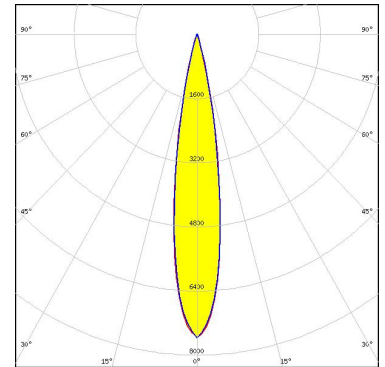
LED NVSW219F  
 FWHM / FWTM 14.0° / 27.0°  
 Efficiency 88 %  
 Peak intensity 11 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



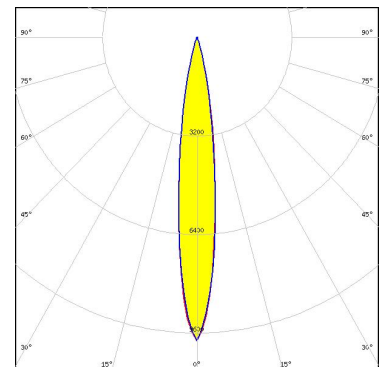
LED NVSW519A  
 FWHM / FWTM 18.0° / 30.0°  
 Efficiency 81 %  
 Peak intensity 7.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NVSxE21A  
 FWHM / FWTM 14.0° / 30.0°  
 Efficiency 84 %  
 Peak intensity 9.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

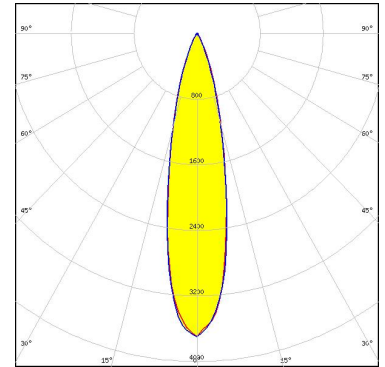


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

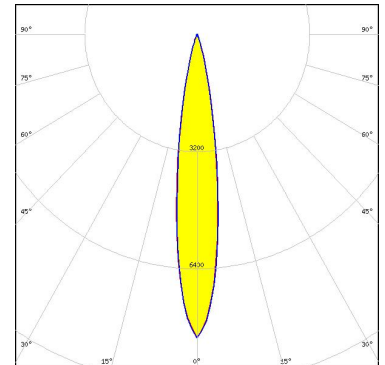
LED Duris S8  
FWHM / FWTM 23.0° / 47.0°  
Efficiency 80 %  
Peak intensity 3.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

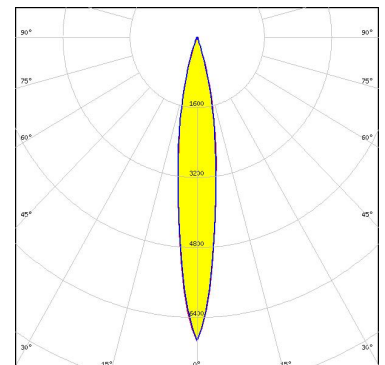
LED OSCONIQ P 3737 (3W version)  
FWHM / FWTM 16.0° / 32.0°  
Efficiency 86 %  
Peak intensity 8.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON PURE 1010  
FWHM / FWTM 15.0° / 34.0°  
Efficiency 79 %  
Peak intensity 6.9 cd/lm  
LEDs/each optic 4  
Light colour/type White  
Required components:



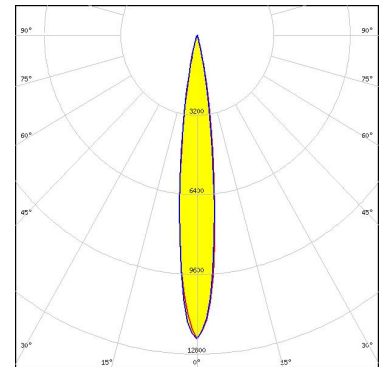
Light distribution files



#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

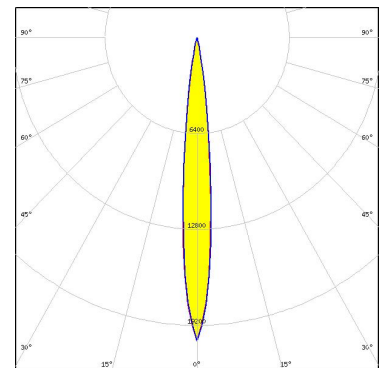
LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 14.0° / 27.0°  
Efficiency 88 %  
Peak intensity 12 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

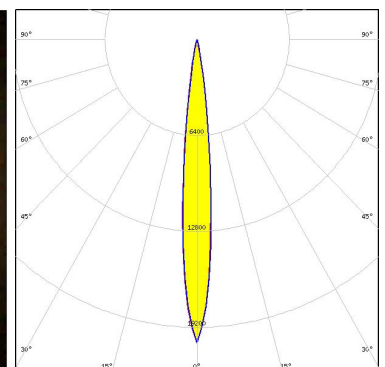
LED OSLON SSL 150  
FWHM / FWTM 10.0° / 21.0°  
Efficiency 91 %  
Peak intensity 20.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON SSL 150  
FWHM / FWTM 11.0° / 21.0°  
Efficiency 91 %  
Peak intensity 20 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

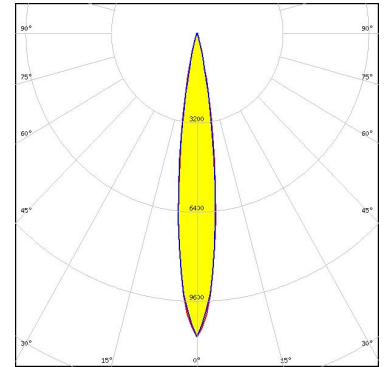


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

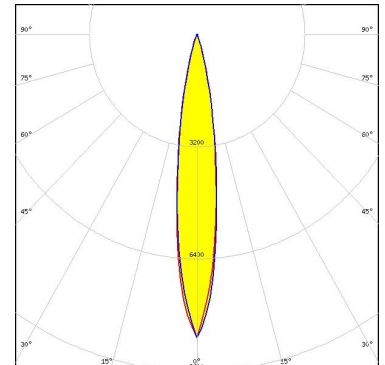
LED	LH351B
FWHM / FWTM	14.0° / 28.0°
Efficiency	86 %
Peak intensity	11 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



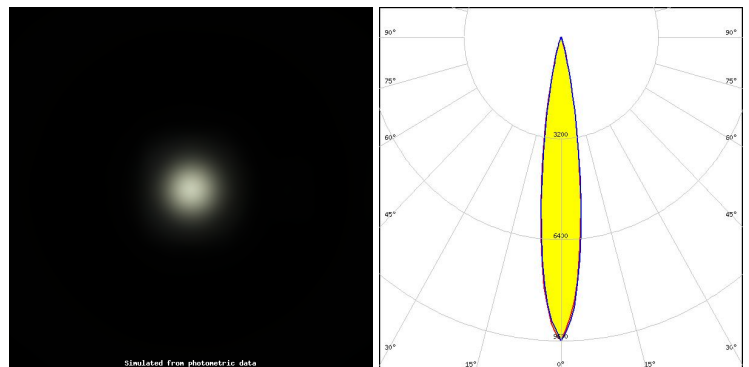
LED	Z5M4
FWHM / FWTM	16.0° / 32.0°
Efficiency	87 %
Peak intensity	8.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

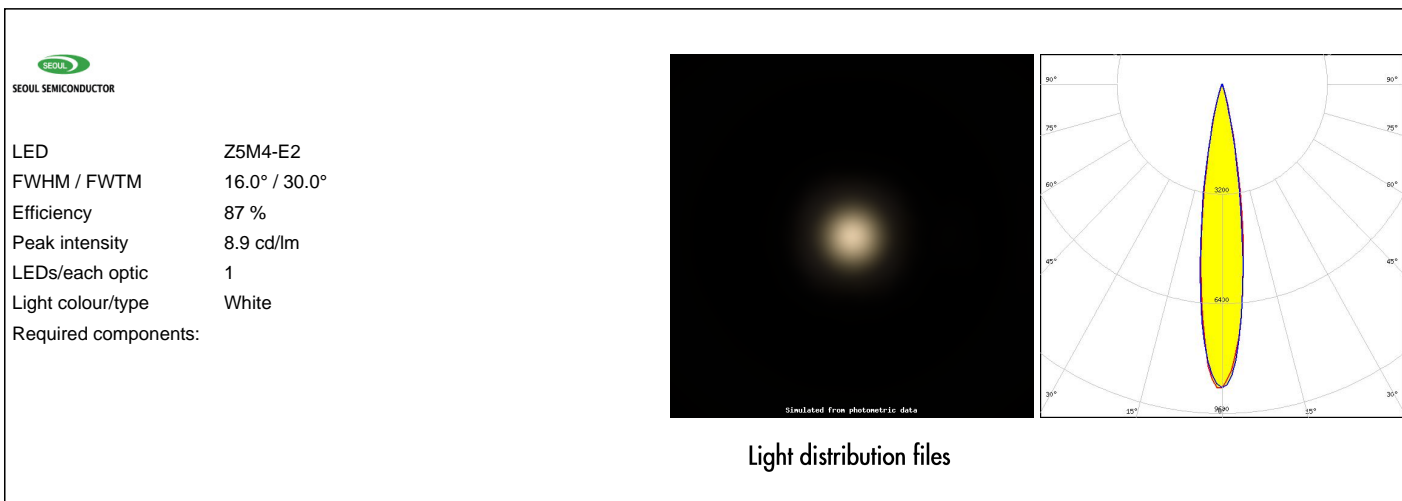


LED	Z5M4-E1
FWHM / FWTM	16.0° / 28.0°
Efficiency	87 %
Peak intensity	9.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



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:

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