

## SPORT-2X2-S4

Slightly asymmetric ~40° spot beam with minimum spill light

### SPECIFICATION:

Dimensions	50.0 x 50.0
Height	14.4 mm
Fastening	screw
ROHS compliant	yes ⓘ

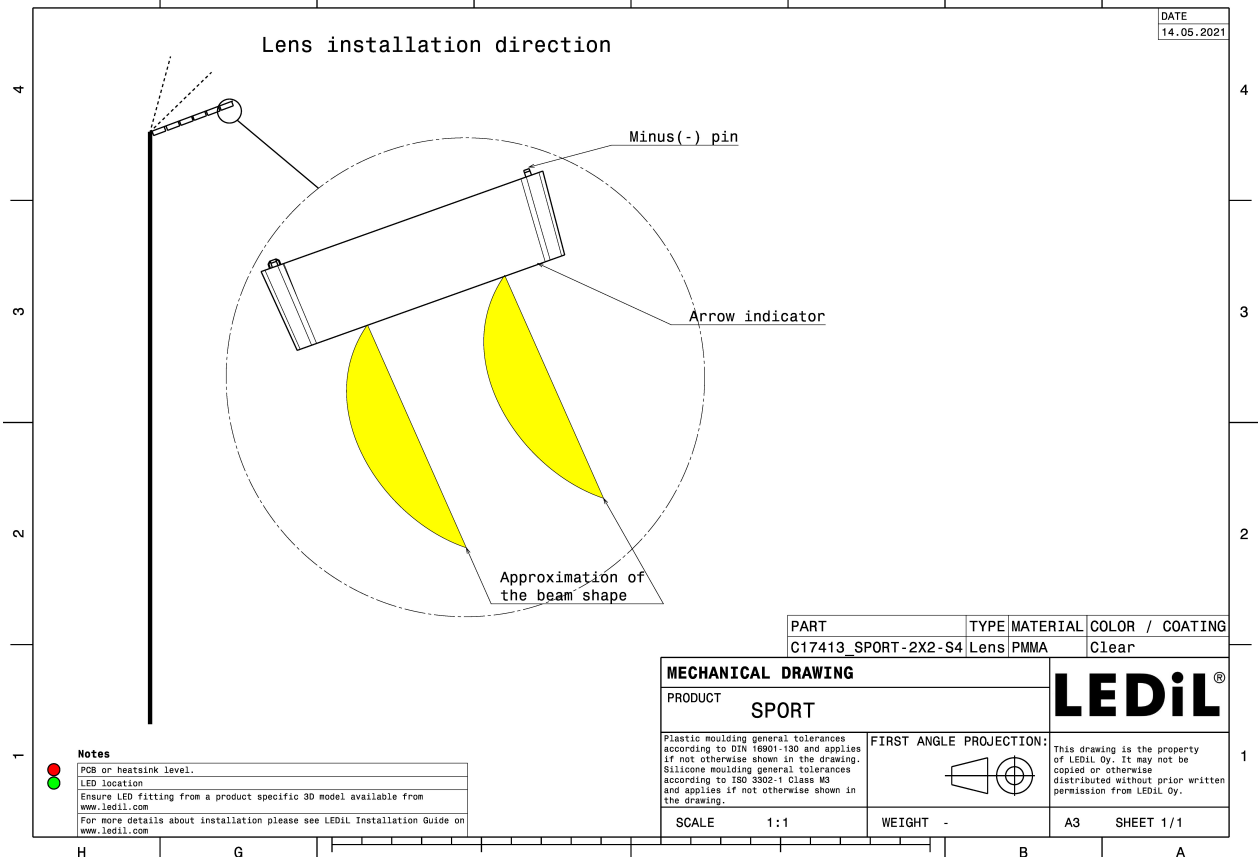
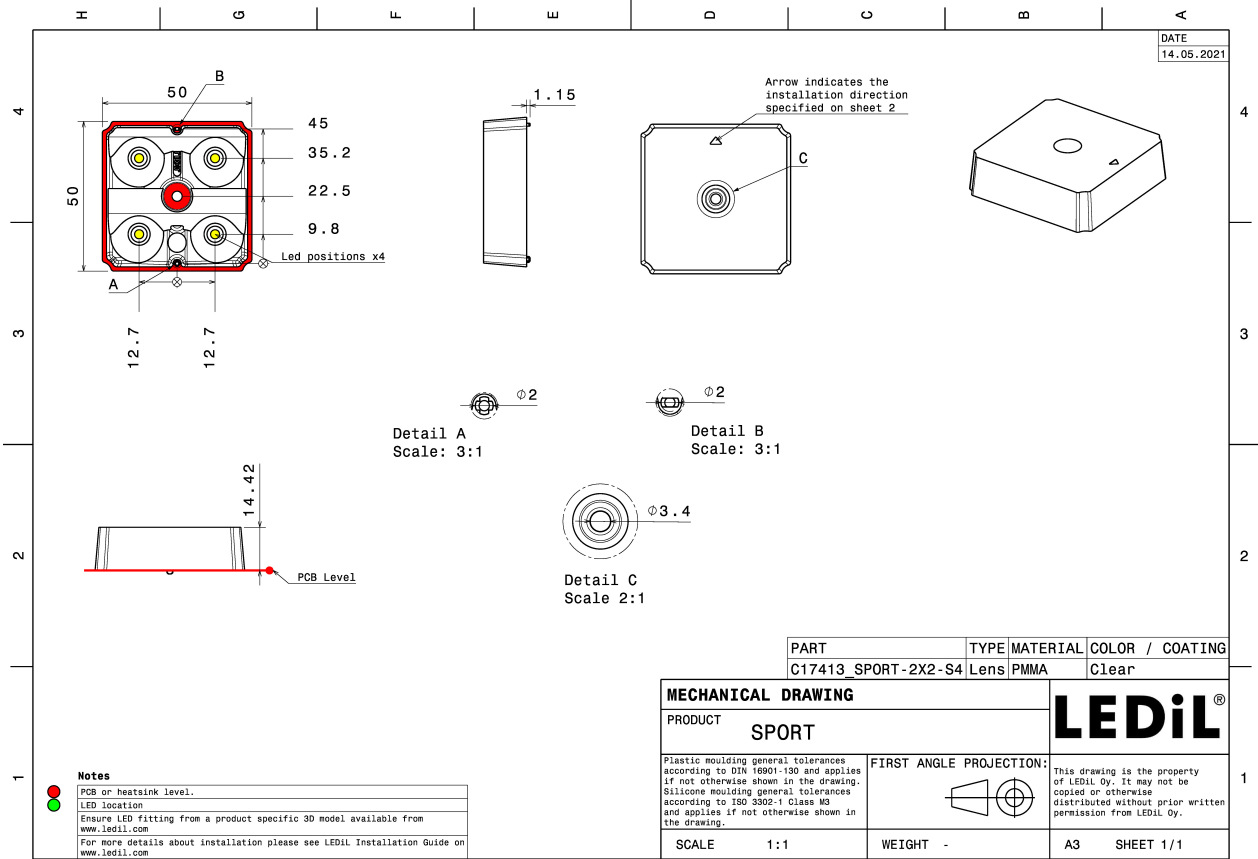


### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
SPORT-2X2-S4	Multi-lens	PMMA	clear		

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17413_SPORT-2X2-S4 » Box size: 480 x 280 x 300 mm	476	140	28	10.2

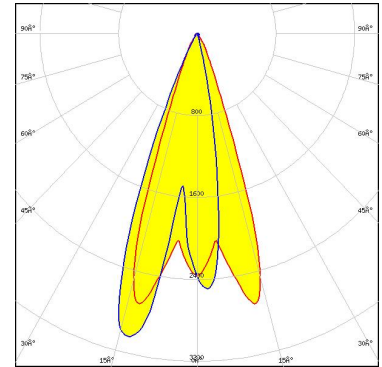


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



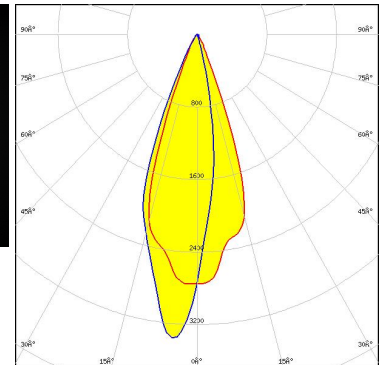
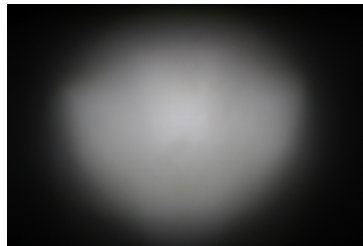
LED XP-G4  
 FWHM / FWTM Asymmetric  
 Efficiency 97 %  
 Peak intensity 4.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



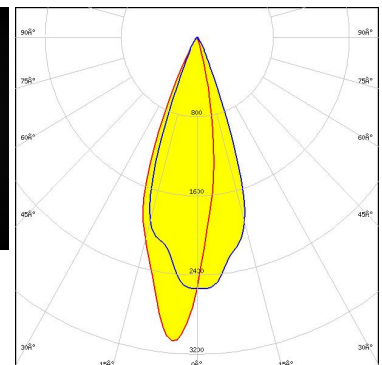
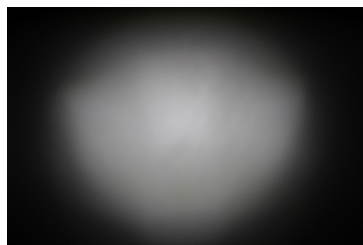
LED NV4WB35AM  
 FWHM / FWTM Asymmetric  
 Efficiency 96 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NV4WB35AM  
 FWHM / FWTM Asymmetric  
 Efficiency 88 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



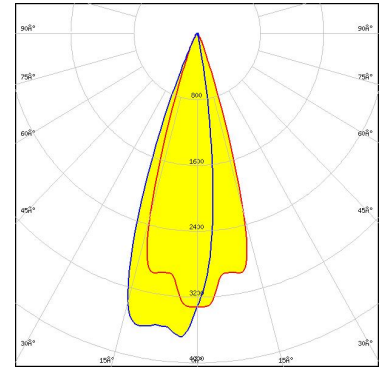
Light distribution files

Protective plate, glass

### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

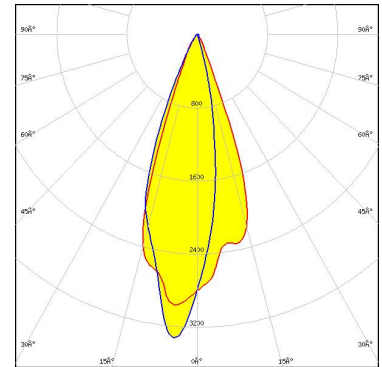
LED OSCONIQ C 3030  
FWHM / FWTM Asymmetric  
Efficiency 97 %  
Peak intensity 4.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

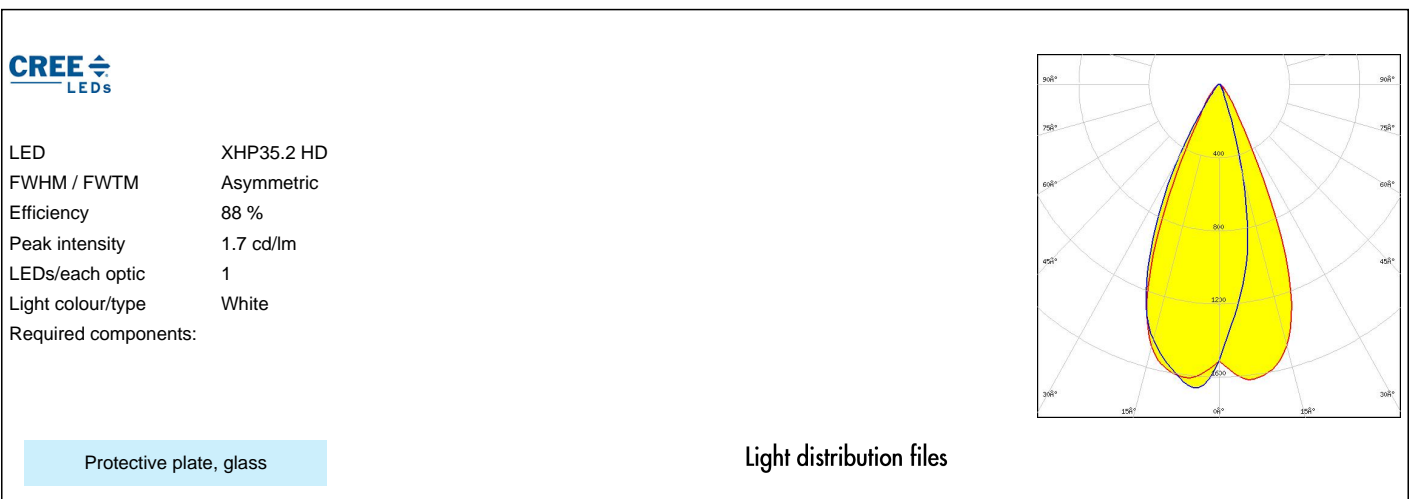
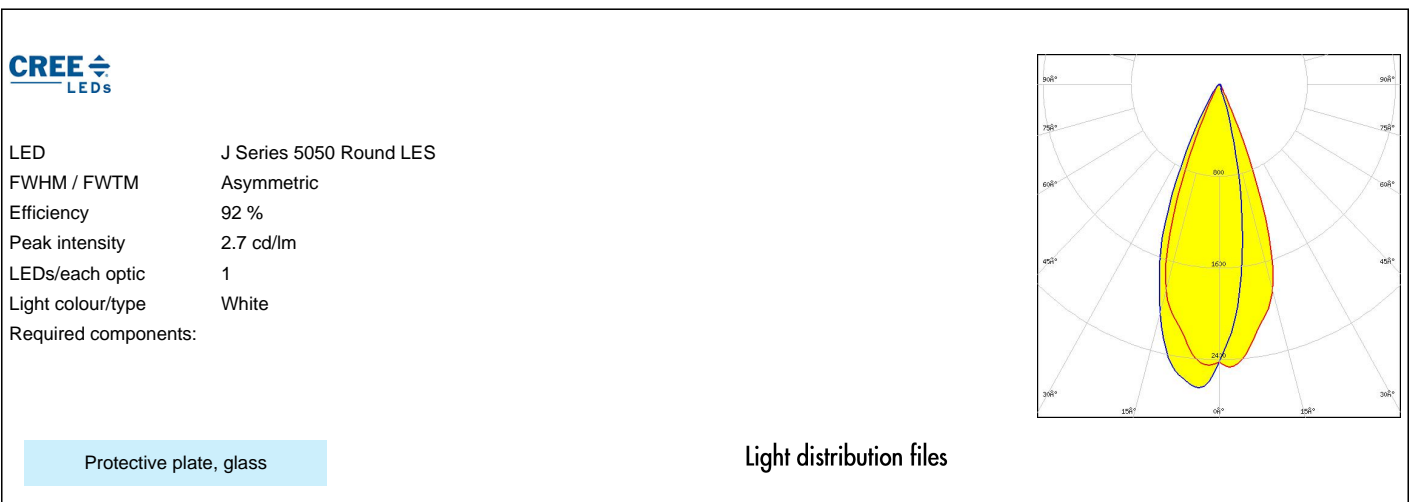
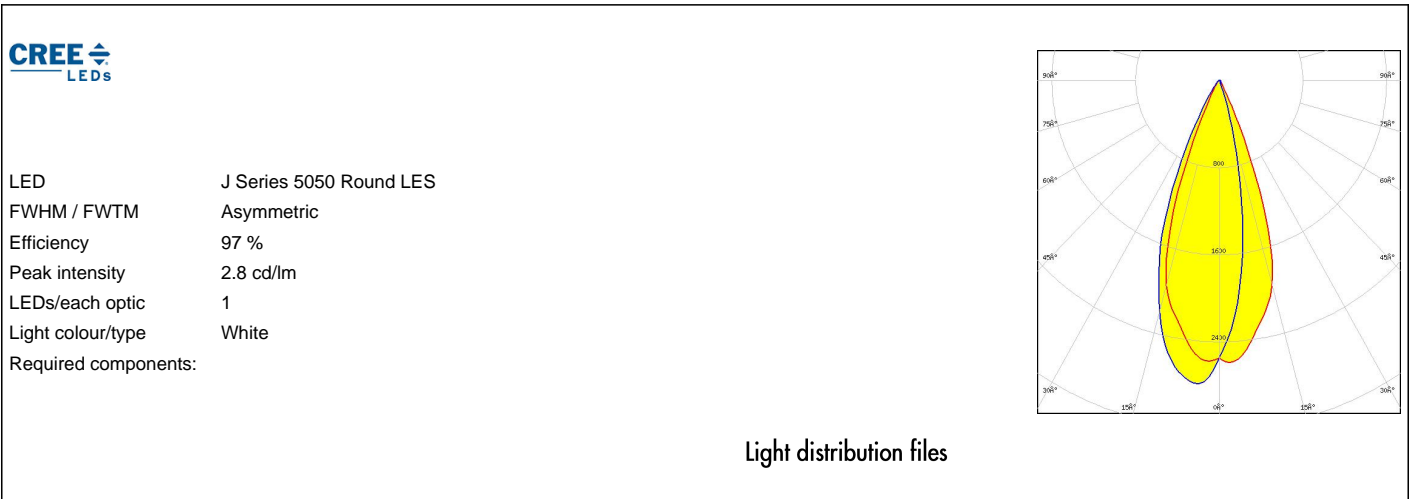
**TEPCOMP**  
group

LED PassivePAQ-R-274x51-NI0-21K-857-5  
FWHM / FWTM Asymmetric  
Efficiency 97 %  
Peak intensity 3.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

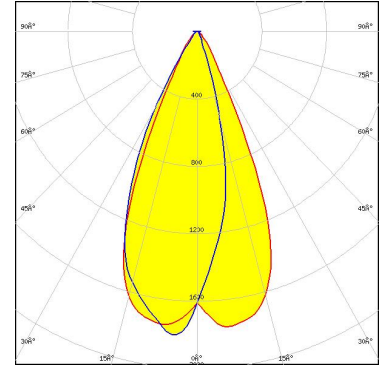
#### OPTICAL RESULTS (SIMULATED):



### OPTICAL RESULTS (SIMULATED):



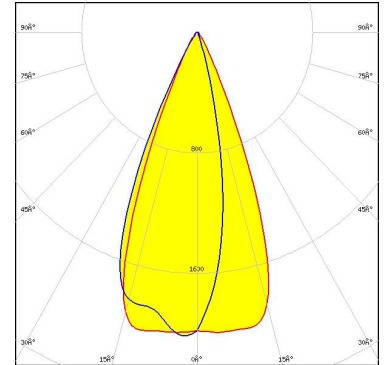
LED XHP35.2 HD  
FWHM / FWTM Asymmetric  
Efficiency 96 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XHP35.2 HI  
FWHM / FWTM Asymmetric  
Efficiency 88 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

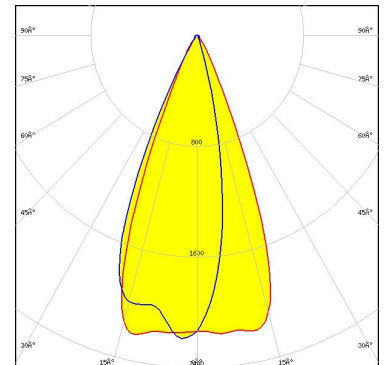


Light distribution files

Protective plate, glass



LED XHP35.2 HI  
FWHM / FWTM Asymmetric  
Efficiency 96 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

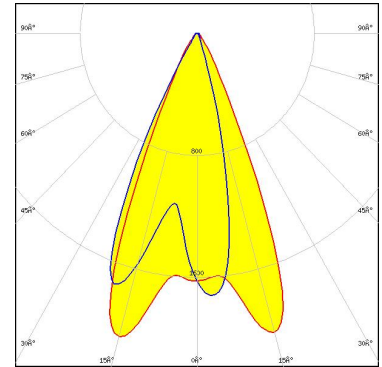


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



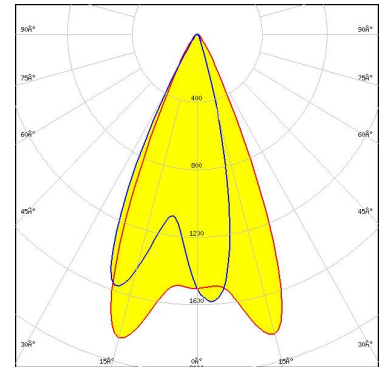
LED XM-L3  
 FWHM / FWTM Asymmetric  
 Efficiency 96 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XM-L3  
 FWHM / FWTM Asymmetric  
 Efficiency 89 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

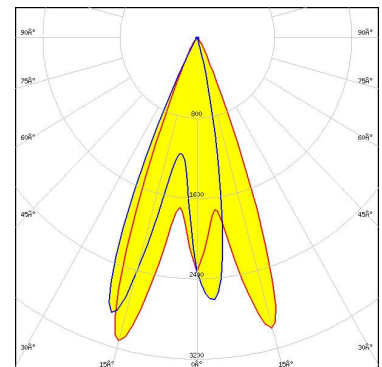


Protective plate, glass

Light distribution files



LED XP-G2 HE  
 FWHM / FWTM Asymmetric  
 Efficiency 97 %  
 Peak intensity 4.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

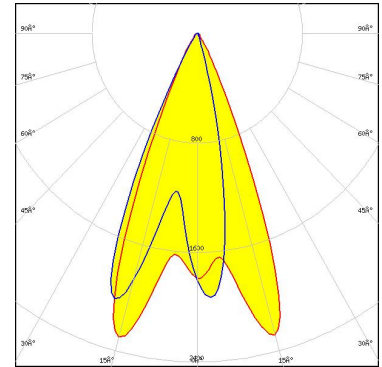
### OPTICAL RESULTS (SIMULATED):



LED XP-G3  
FWHM / FWTM Asymmetric  
Efficiency 91 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Protective plate, glass

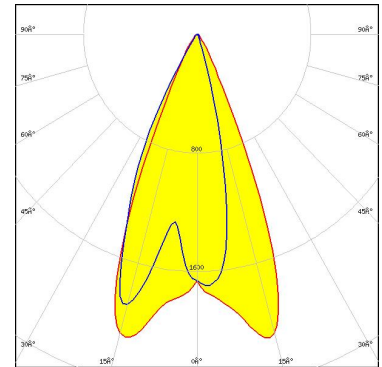
Light distribution files



LED XP-L HD  
FWHM / FWTM Asymmetric  
Efficiency 92 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

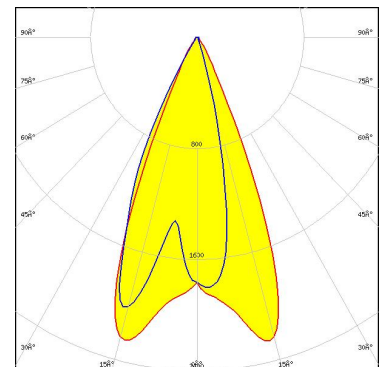
Protective plate, glass

Light distribution files



LED XP-L HD  
FWHM / FWTM Asymmetric  
Efficiency 97 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

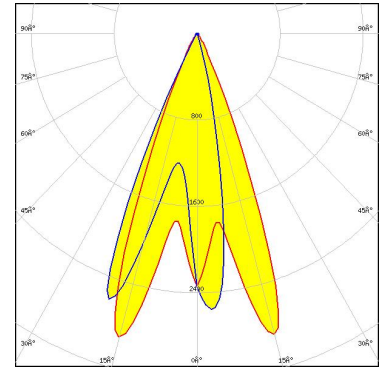
Light distribution files



#### OPTICAL RESULTS (SIMULATED):



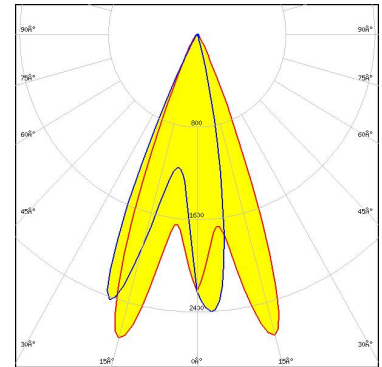
LED XP-L HI  
 FWHM / FWTM Asymmetric  
 Efficiency 97 %  
 Peak intensity 3.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-L HI  
 FWHM / FWTM Asymmetric  
 Efficiency 92 %  
 Peak intensity 3.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

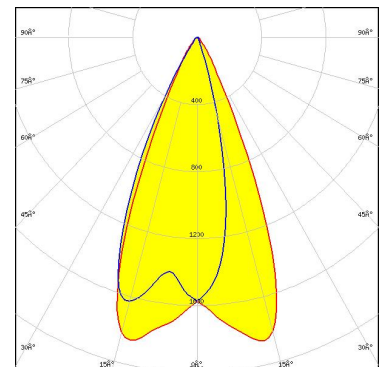


Protective plate, glass

Light distribution files



LED XP-L2  
 FWHM / FWTM Asymmetric  
 Efficiency 88 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



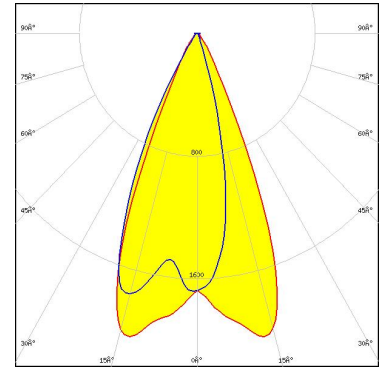
Protective plate, glass

Light distribution files

#### OPTICAL RESULTS (SIMULATED):



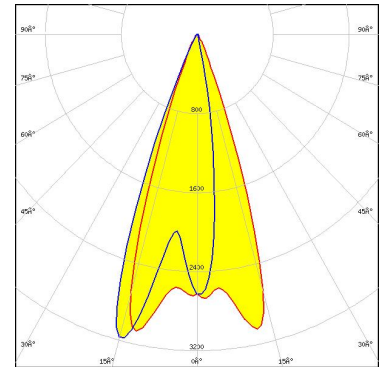
LED XP-L2  
 FWHM / FWTM Asymmetric  
 Efficiency 96 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON 3030 2D (Round LES)  
 FWHM / FWTM Asymmetric  
 Efficiency 92 %  
 Peak intensity 4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

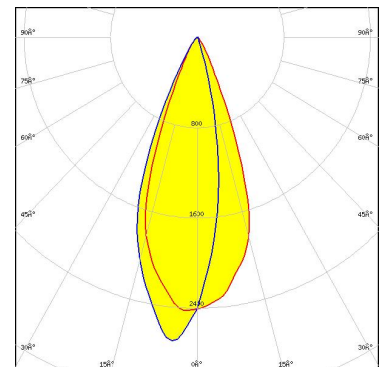


Protective plate, glass

Light distribution files

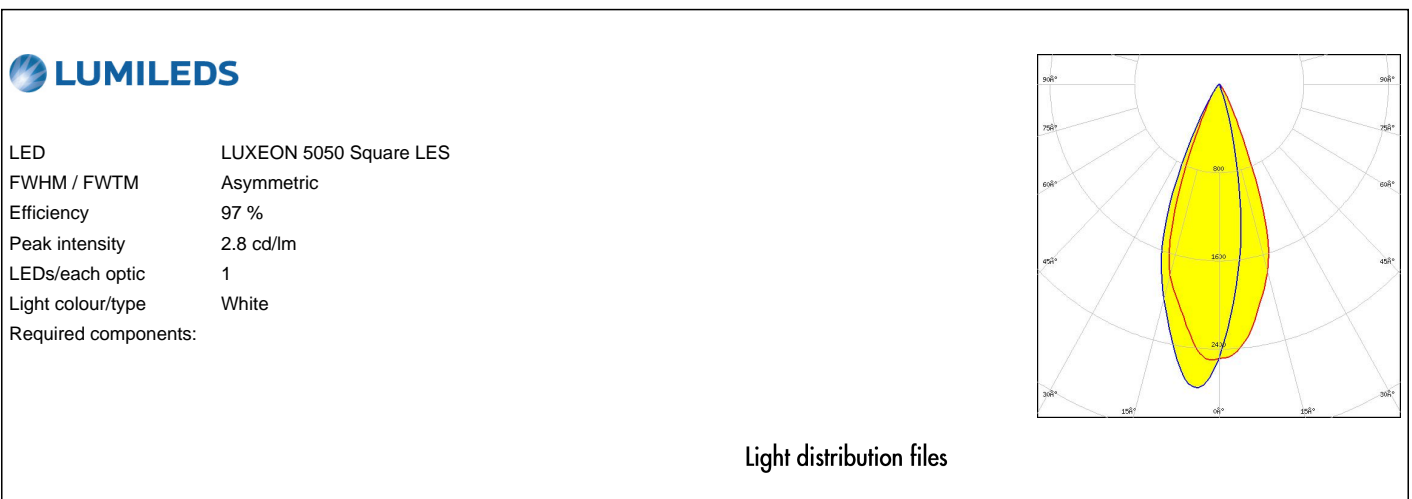
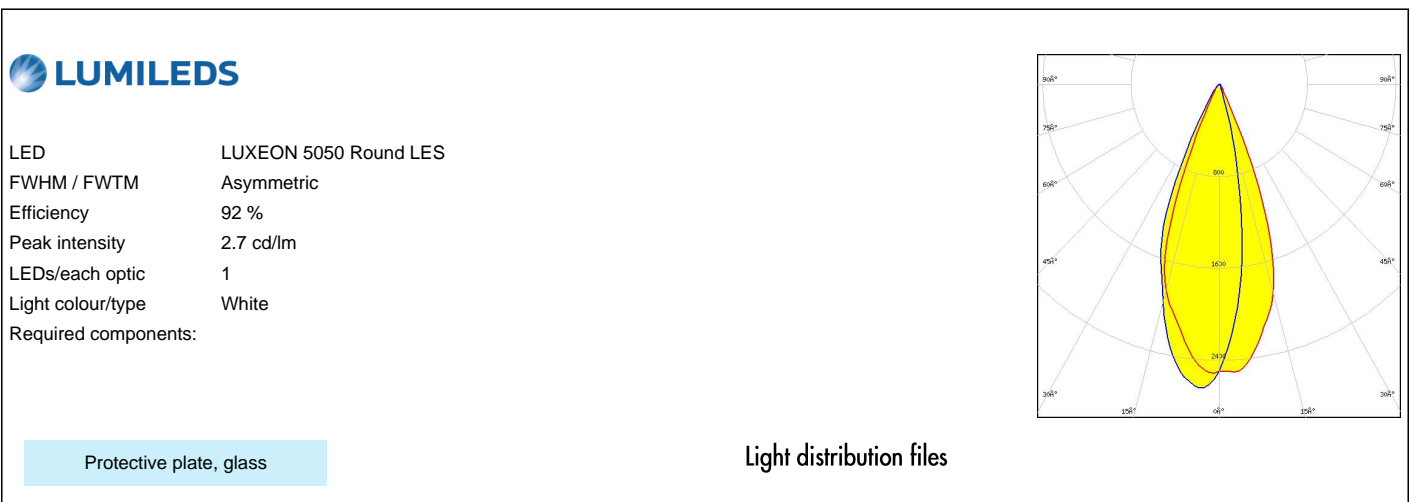
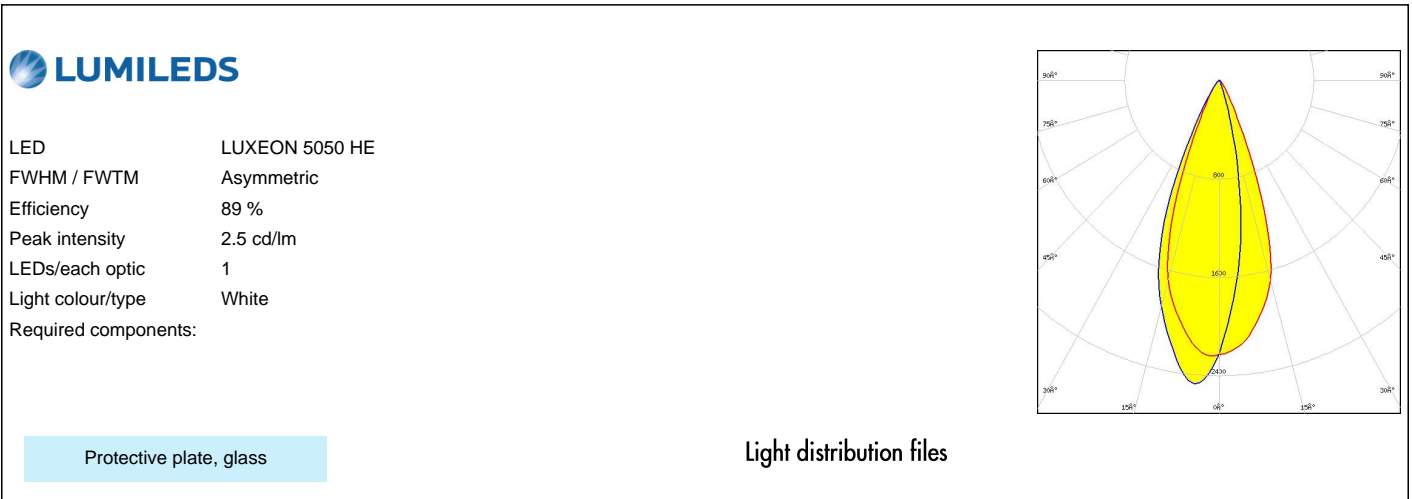


LED LUXEON 5050 HE  
 FWHM / FWTM Asymmetric  
 Efficiency 97 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

#### OPTICAL RESULTS (SIMULATED):



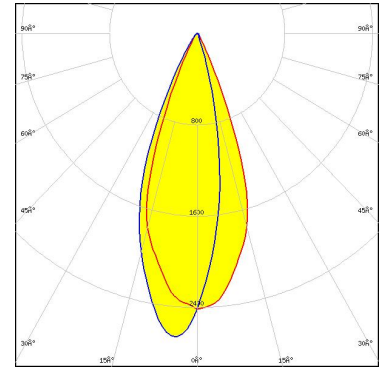
### OPTICAL RESULTS (SIMULATED):



LED LUXEON 5050 Square LES  
FWHM / FWTM Asymmetric  
Efficiency 92 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

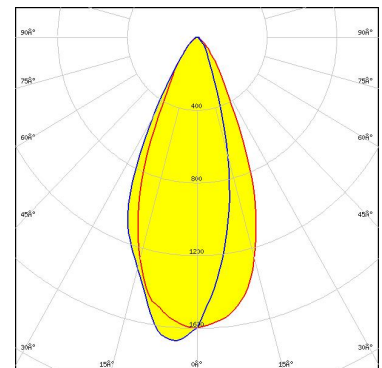
Protective plate, glass

Light distribution files



LED LUXEON 7070  
FWHM / FWTM Asymmetric  
Efficiency 96 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

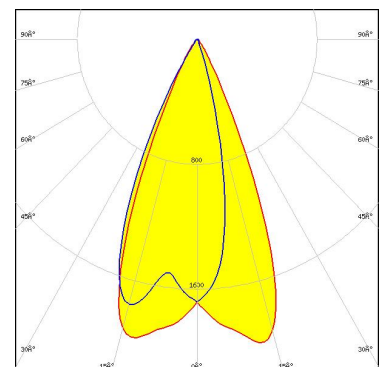
Light distribution files



LED LUXEON HL4X  
FWHM / FWTM Asymmetric  
Efficiency 90 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Protective plate, glass

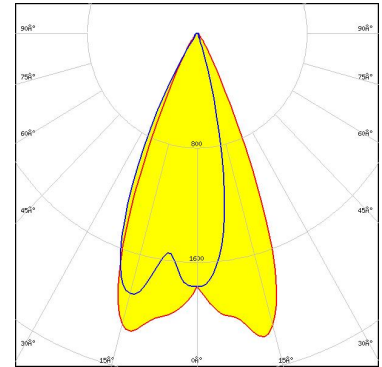
Light distribution files



#### OPTICAL RESULTS (SIMULATED):



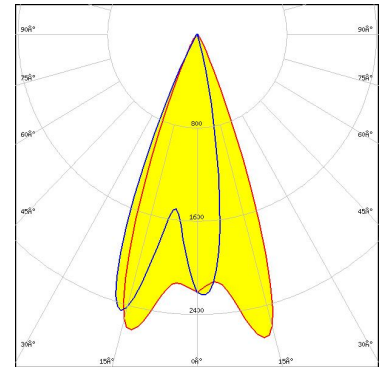
LED LUXEON HL4X  
 FWHM / FWTM Asymmetric  
 Efficiency 97 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON HL4Z  
 FWHM / FWTM Asymmetric  
 Efficiency 91 %  
 Peak intensity 3.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

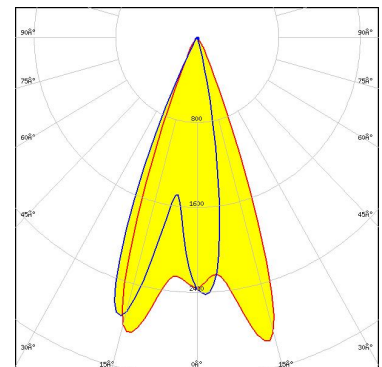


Protective plate, glass

Light distribution files



LED LUXEON HL4Z  
 FWHM / FWTM Asymmetric  
 Efficiency 97 %  
 Peak intensity 3.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

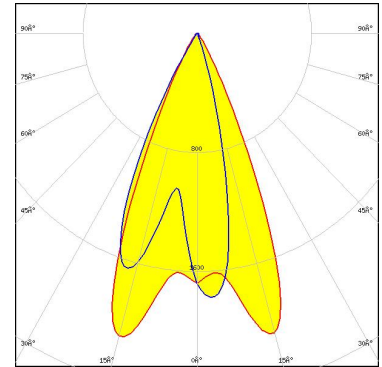
### OPTICAL RESULTS (SIMULATED):



LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)  
FWHM / FWTM Asymmetric  
Efficiency 89 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

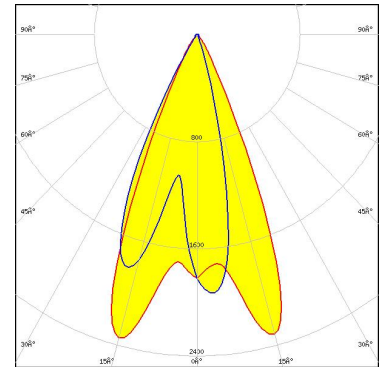
Protective plate, glass

Light distribution files

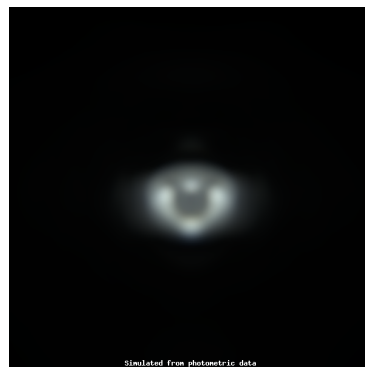


LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)  
FWHM / FWTM Asymmetric  
Efficiency 97 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

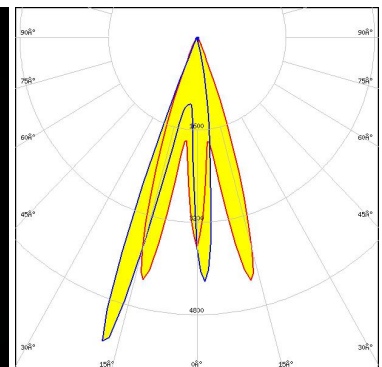
Light distribution files



LED SFT-12R-W-A  
FWHM / FWTM Asymmetric  
Efficiency 97 %  
Peak intensity 6.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

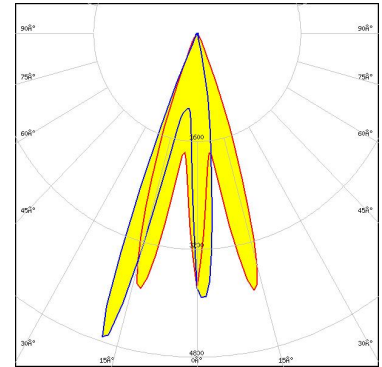


#### OPTICAL RESULTS (SIMULATED):



LED SFT-12R-W-A  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 5.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

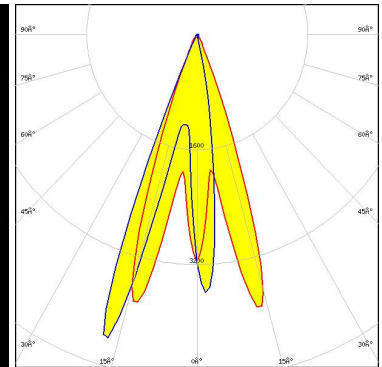
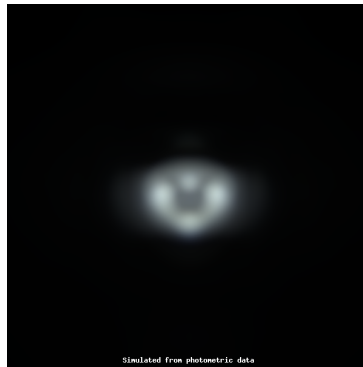
Protective plate, glass



Light distribution files



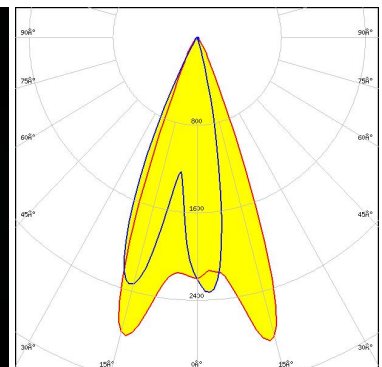
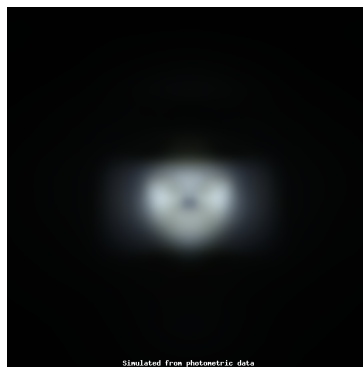
LED SFT-25R-W-A  
 FWHM / FWTM Asymmetric  
 Efficiency 97 %  
 Peak intensity 5.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files




LED SST-20F-W  
 FWHM / FWTM Asymmetric  
 Efficiency 97 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



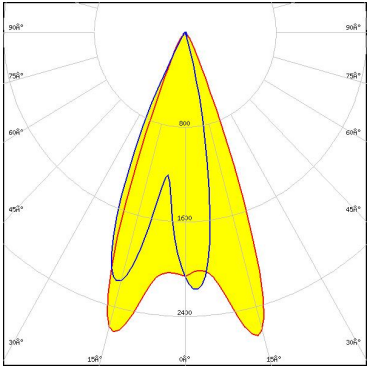
Light distribution files

#### OPTICAL RESULTS (SIMULATED):




LED SST-20F-W  
 FWHM / FWTM Asymmetric  
 Efficiency 91 %  
 Peak intensity 3.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

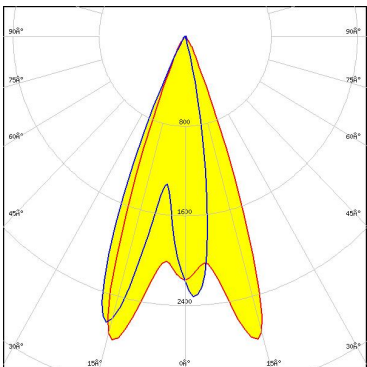


Light distribution files




LED SST-25-W  
 FWHM / FWTM Asymmetric  
 Efficiency 90 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

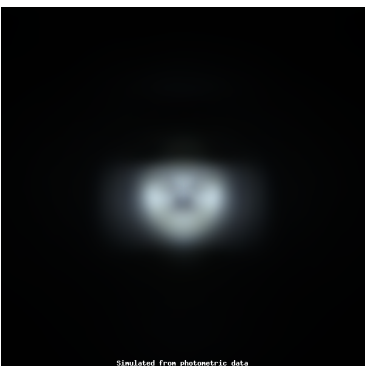
Protective plate, glass



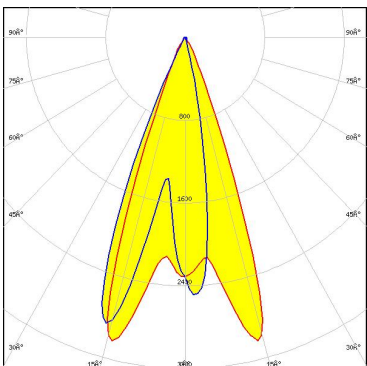
Light distribution files



LED SST-25-W  
 FWHM / FWTM Asymmetric  
 Efficiency 97 %  
 Peak intensity 3.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

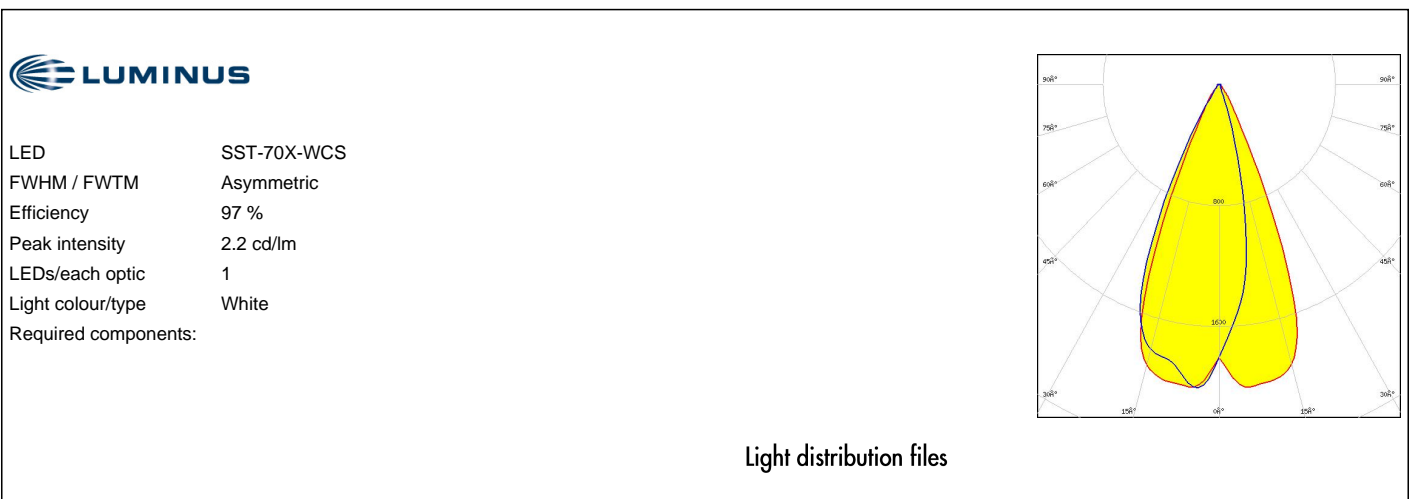
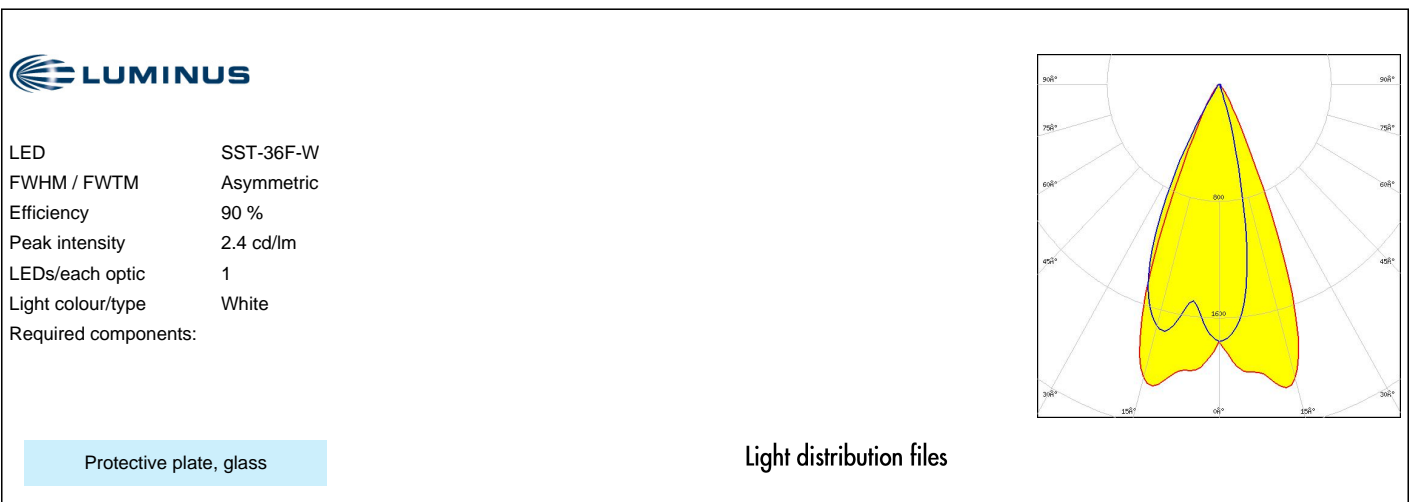


Simulated from photometric data

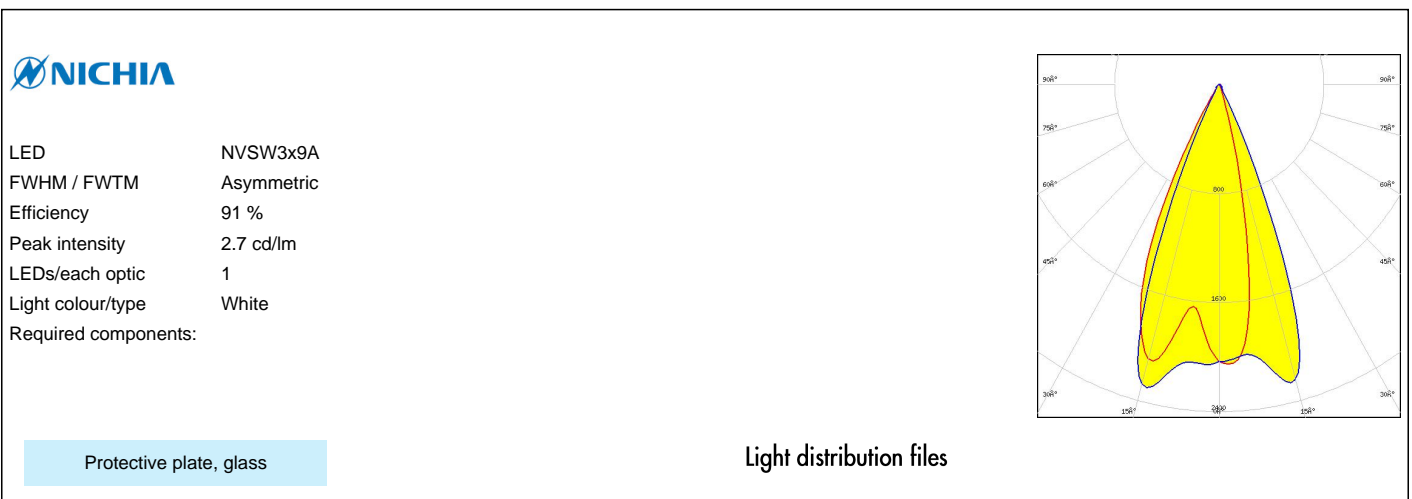
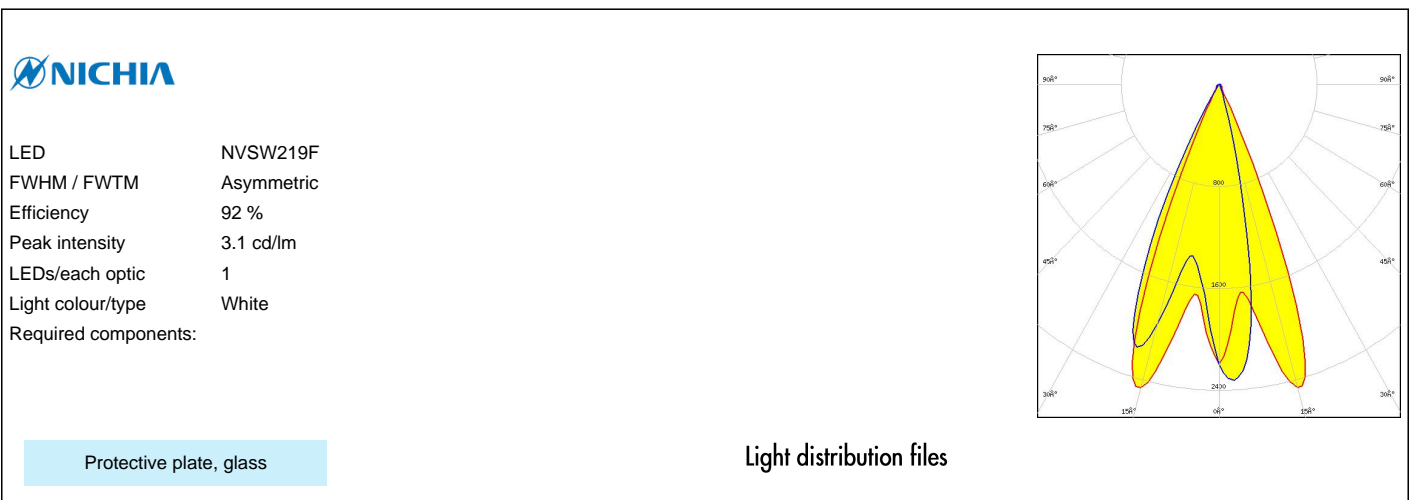
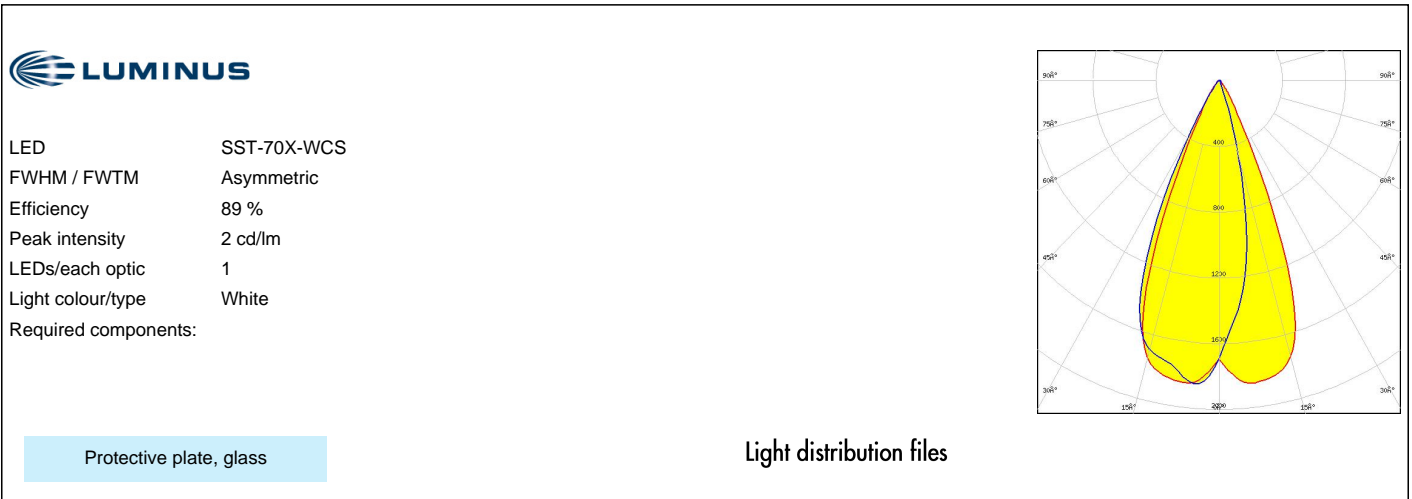


Light distribution files

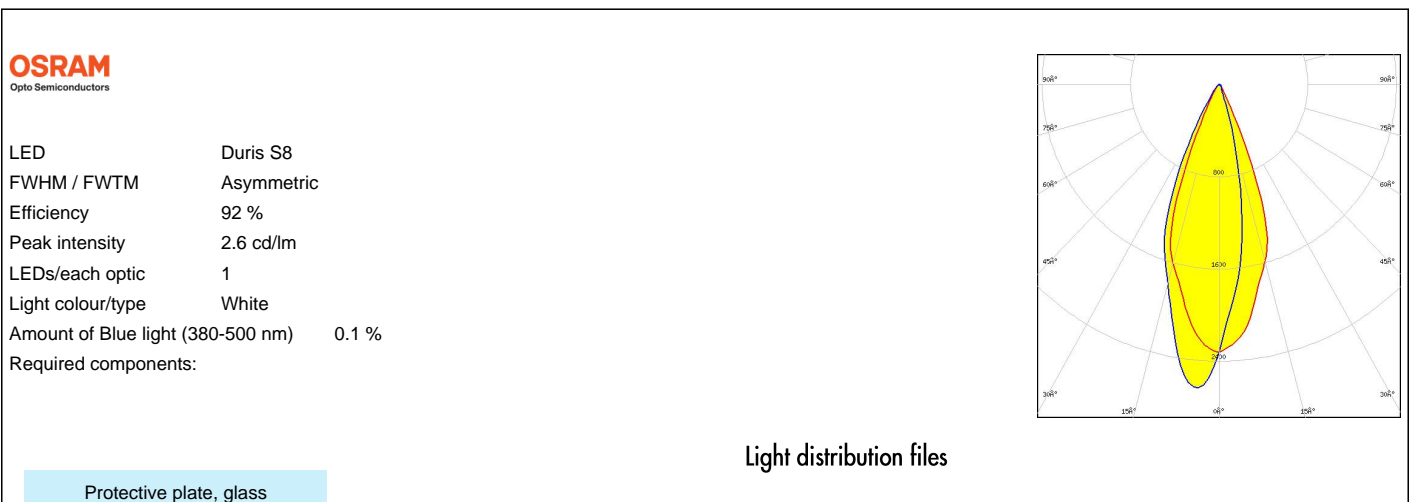
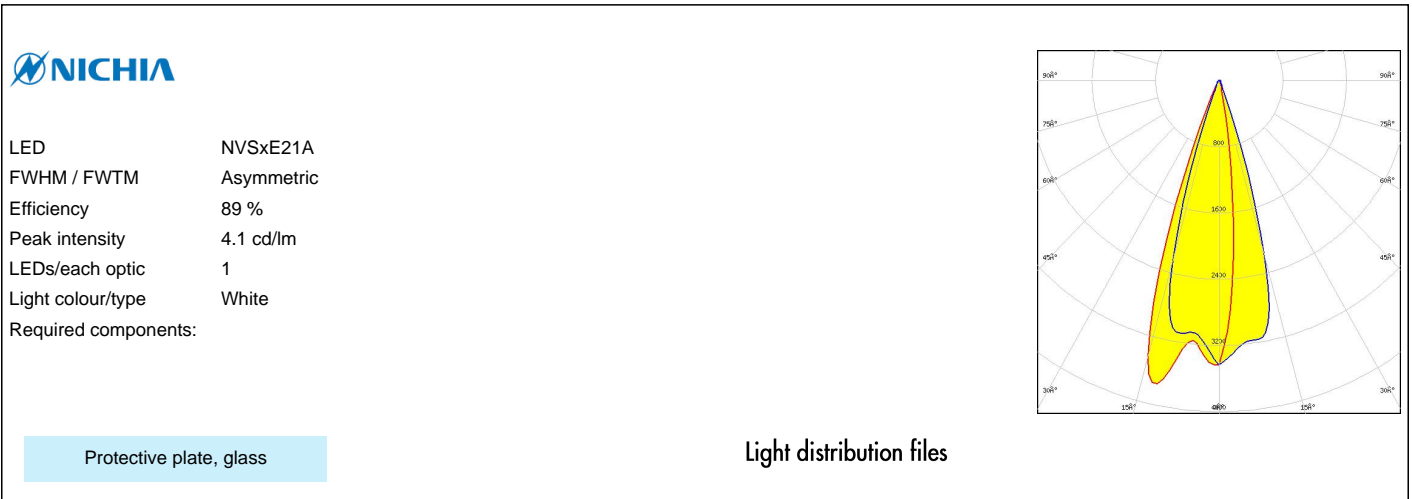
#### OPTICAL RESULTS (SIMULATED):



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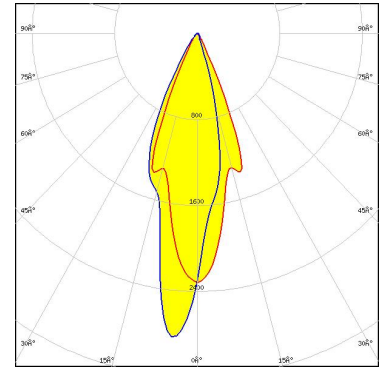
### OPTICAL RESULTS (SIMULATED):



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**OSRAM**  
Opto Semiconductors

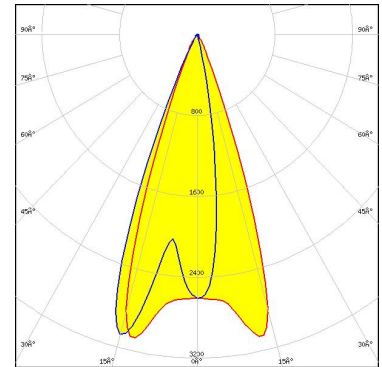
LED OSCONIQ C 2424  
 FWHM / FWTM Asymmetric  
 Efficiency 97 %  
 Peak intensity 2.9 cd/lm  
 LEDs/each optic 4  
 Light colour/type White  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

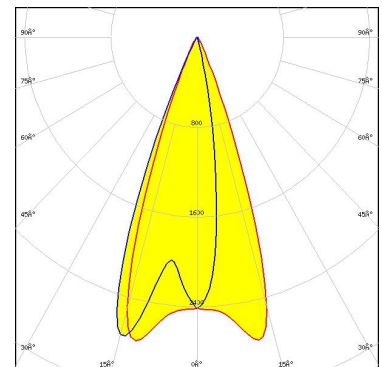
LED OSCONIQ C 3030  
 FWHM / FWTM Asymmetric  
 Efficiency 97 %  
 Peak intensity 4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSCONIQ C 3030  
 FWHM / FWTM Asymmetric  
 Efficiency 90 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Protective plate, glass

Light distribution files

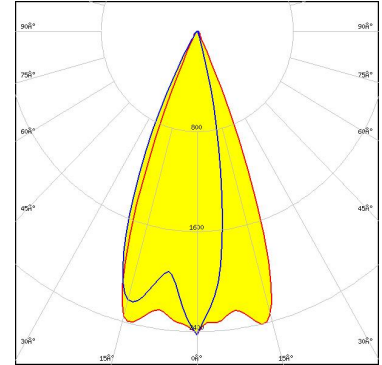
#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED OSCONIQ P 3737 (3W version)  
 FWHM / FWTM Asymmetric  
 Efficiency 92 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

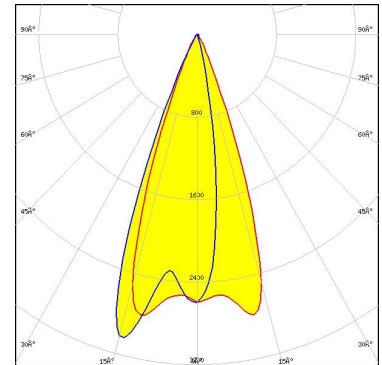
Light distribution files



**OSRAM**  
Opto Semiconductors

LED OSCONIQ P 3737 Flat  
 FWHM / FWTM Asymmetric  
 Efficiency 97 %  
 Peak intensity 3.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Light distribution files

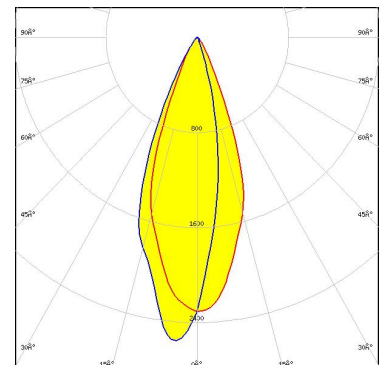


**OSRAM**  
Opto Semiconductors

LED OSCONIQ S 5050  
 FWHM / FWTM Asymmetric  
 Efficiency 89 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

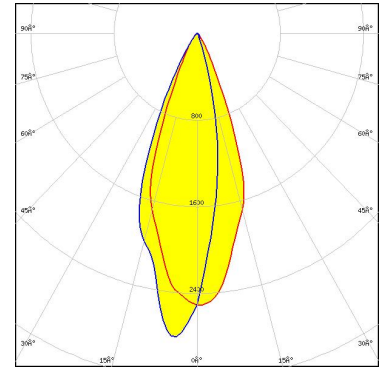
Light distribution files



#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

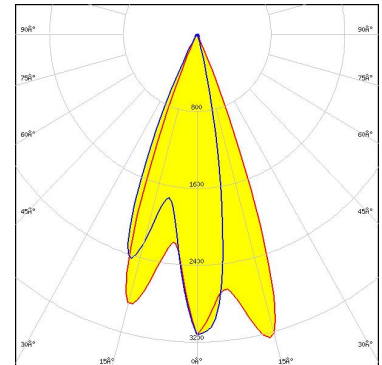
LED OSCONIQ S 5050  
 FWHM / FWTM Asymmetric  
 Efficiency 97 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

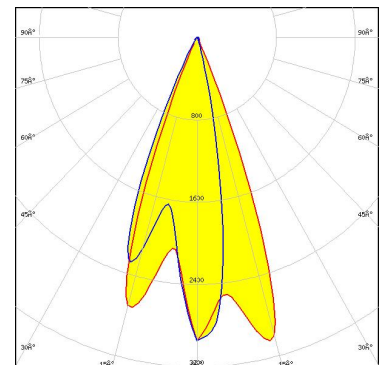
LED OSLON Square CSSRM2/CSSRM3  
 FWHM / FWTM Asymmetric  
 Efficiency 96 %  
 Peak intensity 4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
 FWHM / FWTM Asymmetric  
 Efficiency 91 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Protective plate, glass

Light distribution files

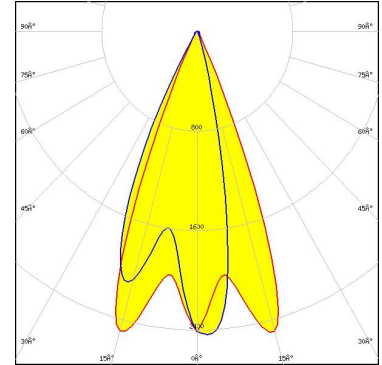
### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

LED LH351B  
FWHM / FWTM Asymmetric  
Efficiency 92 %  
Peak intensity 3.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Protective plate, glass

Light distribution files

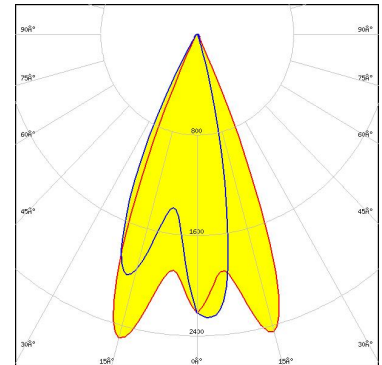


#### SAMSUNG

LED LH351C  
FWHM / FWTM Asymmetric  
Efficiency 92 %  
Peak intensity 3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Protective plate, glass

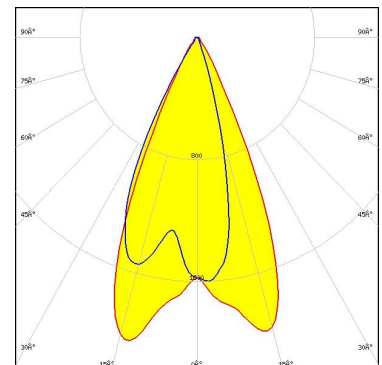
Light distribution files



#### SAMSUNG

LED LH351D  
FWHM / FWTM Asymmetric  
Efficiency 96 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files



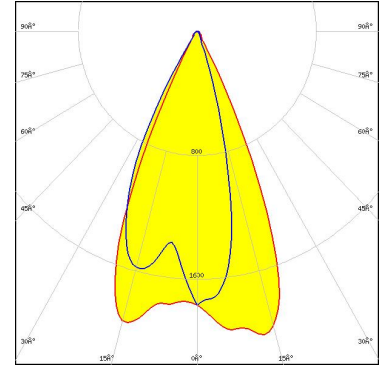
#### OPTICAL RESULTS (SIMULATED):

### SAMSUNG

LED LH351D  
FWHM / FWTM Asymmetric  
Efficiency 91 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Protective plate, glass

Light distribution files

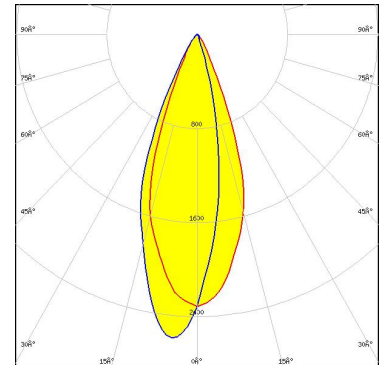


### SAMSUNG

LED LH502C  
FWHM / FWTM Asymmetric  
Efficiency 90 %  
Peak intensity 2.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Protective plate, glass

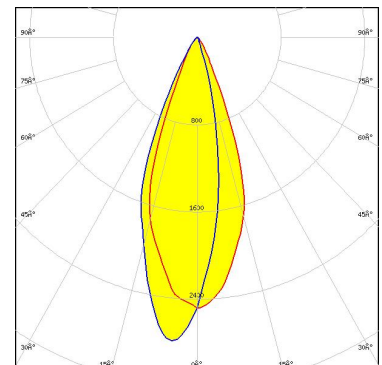
Light distribution files



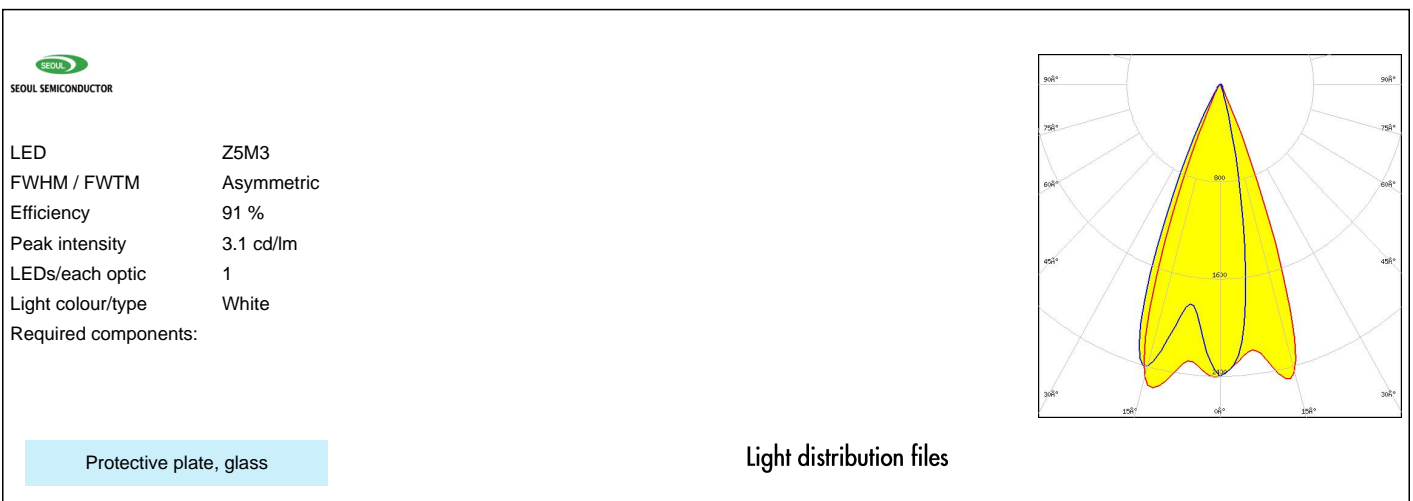
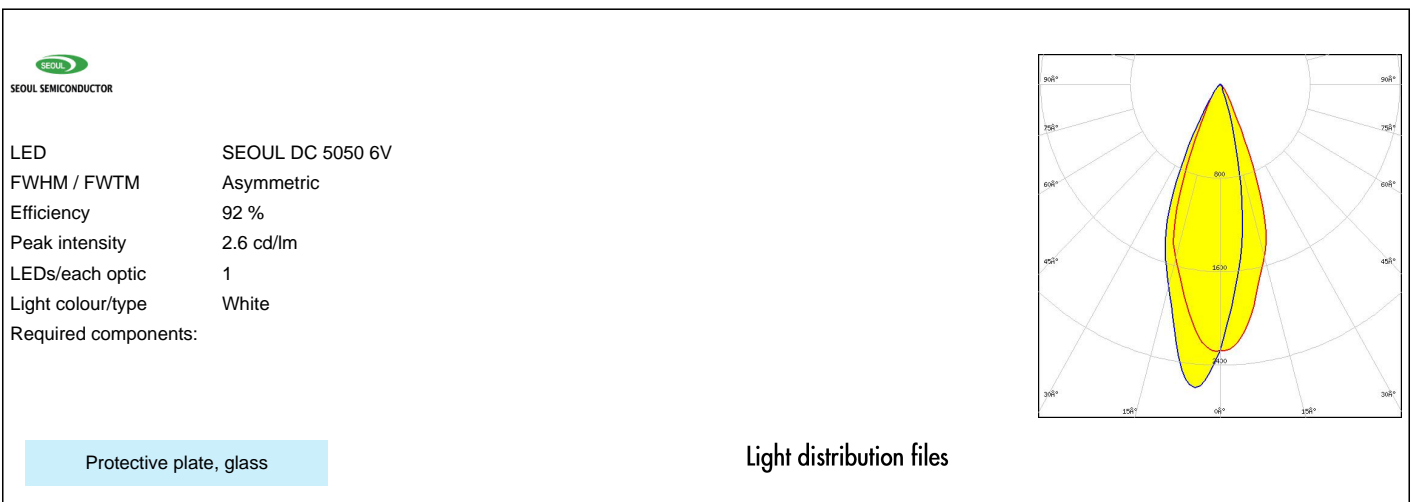
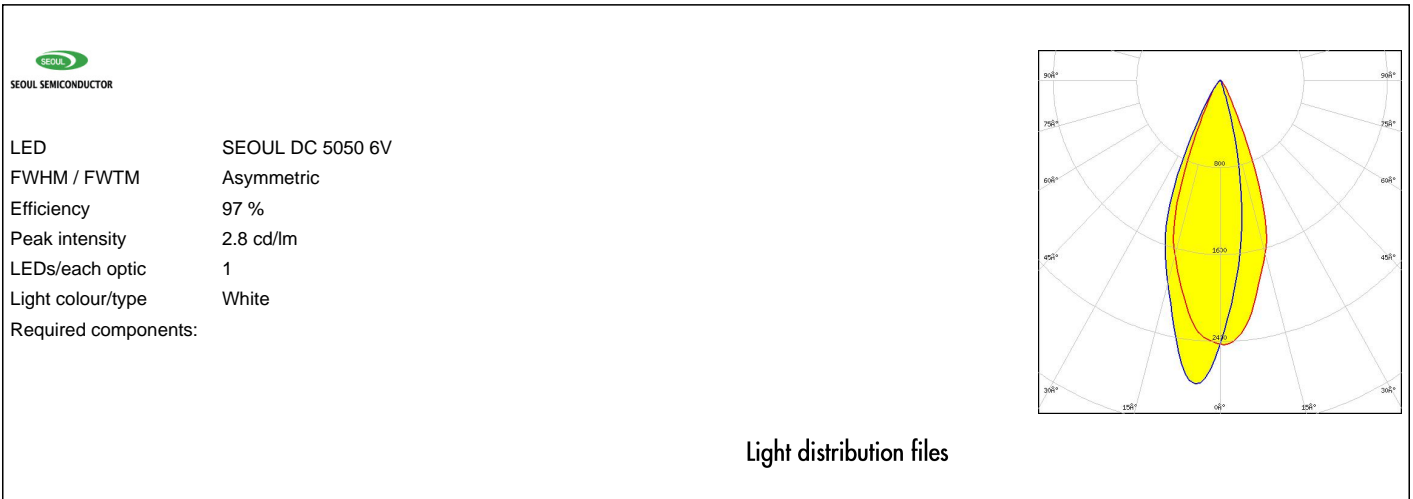
### SAMSUNG

LED LH502C  
FWHM / FWTM Asymmetric  
Efficiency 97 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

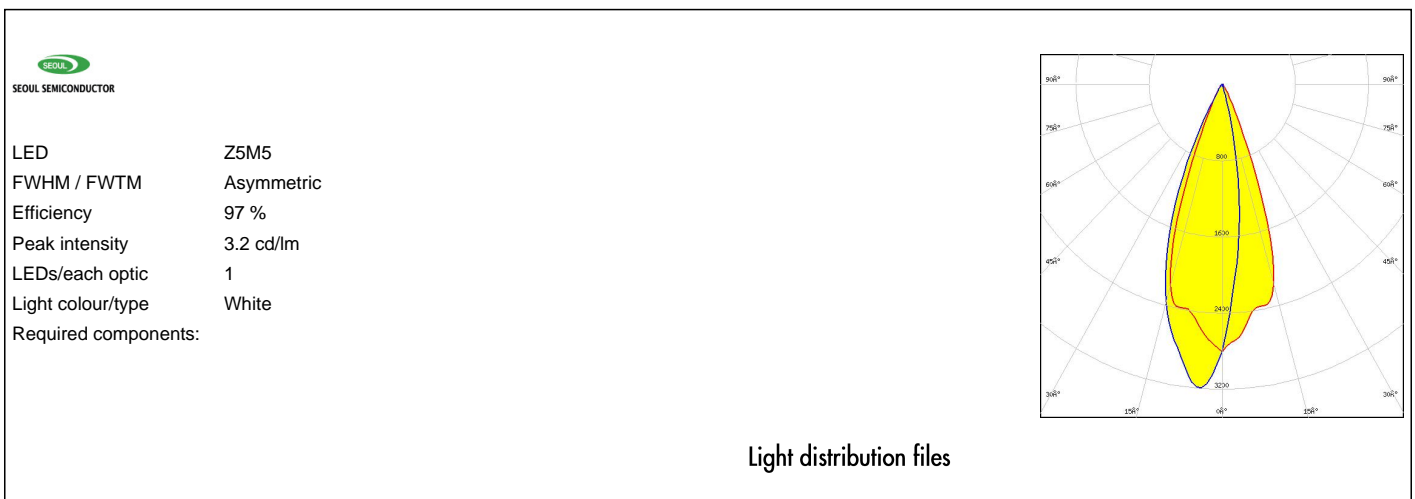
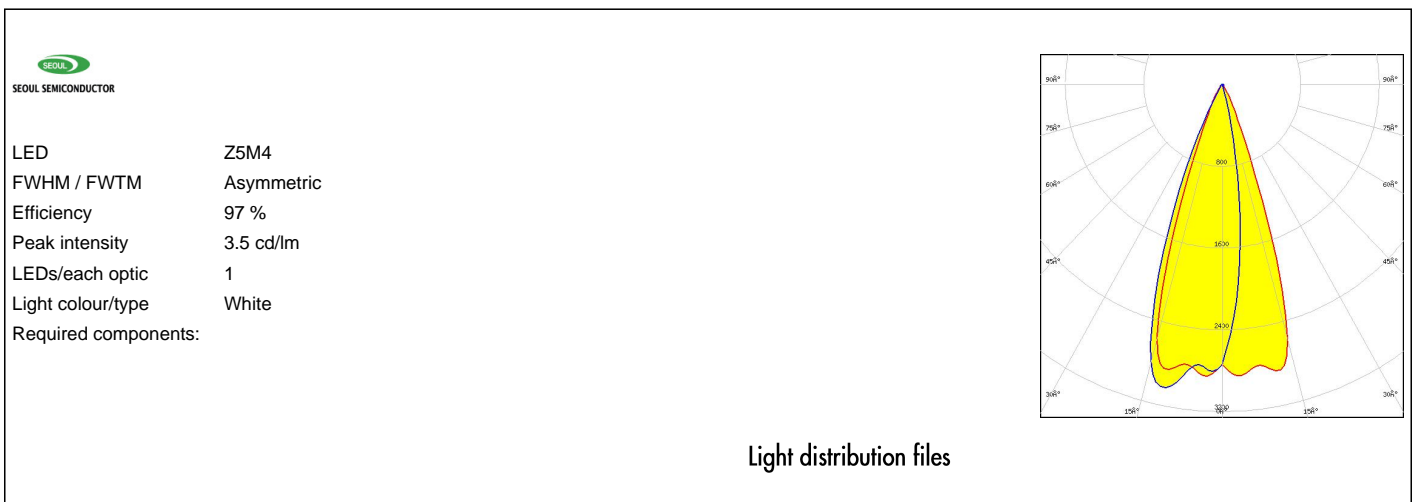
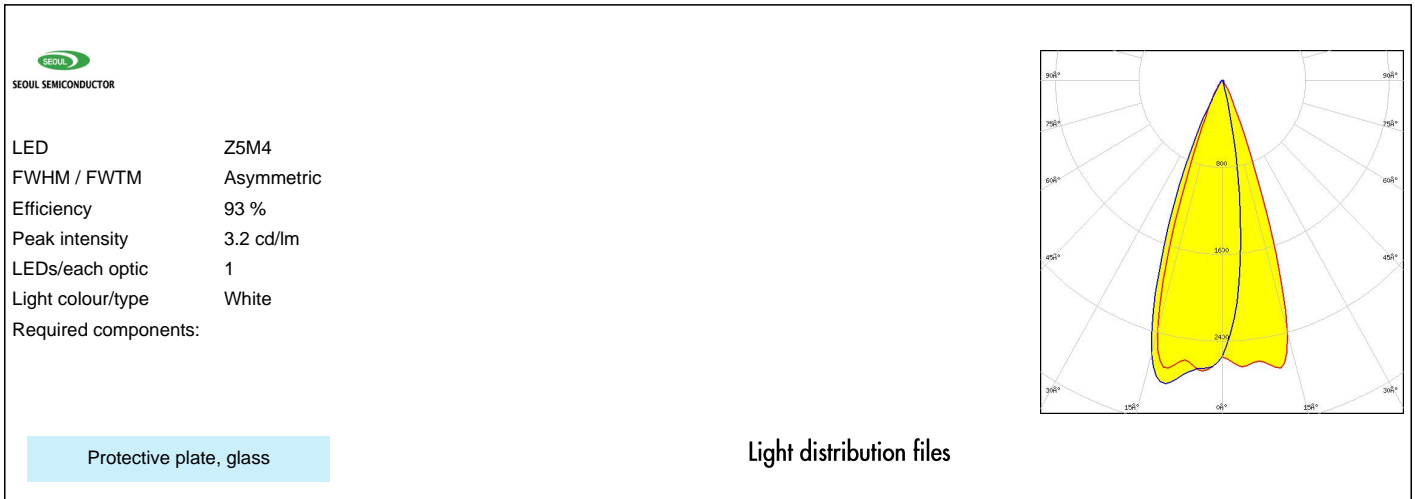
Light distribution files




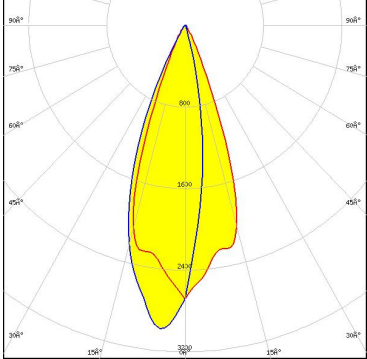
#### OPTICAL RESULTS (SIMULATED):



#### OPTICAL RESULTS (SIMULATED):



#### OPTICAL RESULTS (SIMULATED):

 SEUL SEMICONDUCTOR	
LED	Z5M5
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
<div style="background-color: #ADD8E6; padding: 5px; display: inline-block;">Protective plate, glass</div>	
<a href="#">Light distribution files</a>	
	

### 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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