

## SPORT-2X2-S6

Slightly asymmetric ~60° spot beam with minimum spill light

## SPECIFICATION:

Dimensions	50.0 x 50.0
Height	15.5 mm
Fastening	screw
ROHS compliant	yes ⓘ

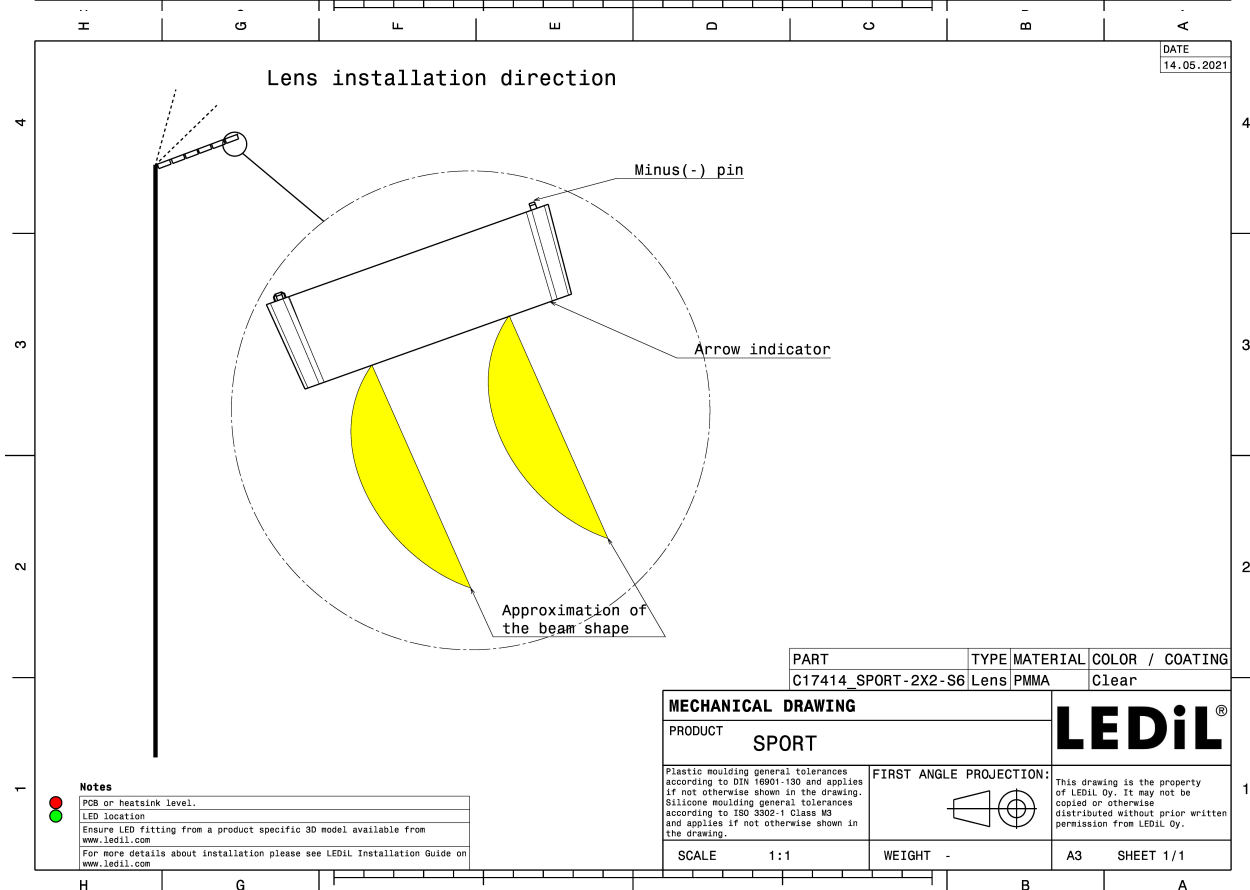


## MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
SPORT-2X2-S6	Multi-lens	PMMA	clear		

## ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17414_SPORT-2X2-S6 » Box size: 480 x 280 x 300 mm	476	140	28	11.4

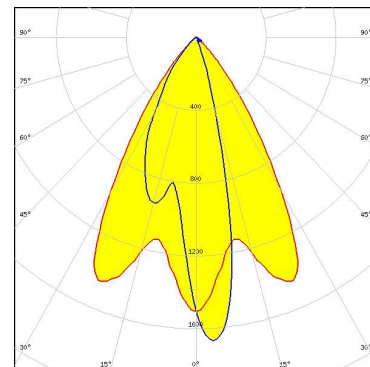


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### OPTICAL RESULTS (MEASURED):



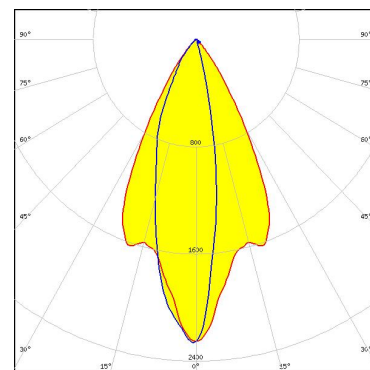
LED XP-G4  
FWHM / FWTM Asymmetric  
Efficiency 96 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED OSCONIQ C 3030  
FWHM / FWTM Asymmetric  
Efficiency 96 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

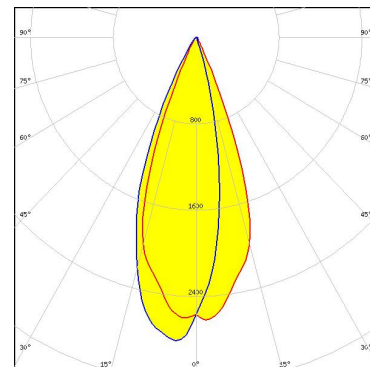


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



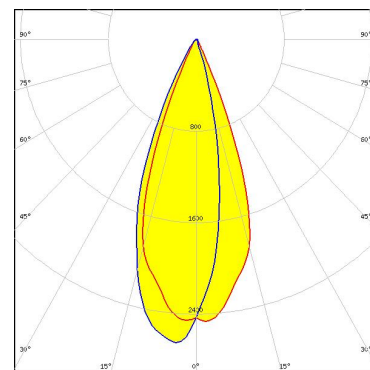
LED J Series 5050 6V P Class  
 FWHM / FWTM Asymmetric  
 Efficiency 97 %  
 Peak intensity 2.8 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED J Series 5050 6V P Class  
 FWHM / FWTM Asymmetric  
 Efficiency 92 %  
 Peak intensity 2.7 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

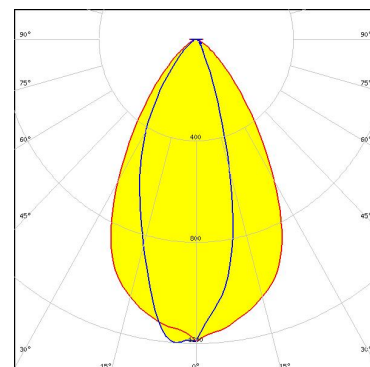


Light distribution files

Protective plate, glass



LED XHP35.2 HD  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 1.2 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



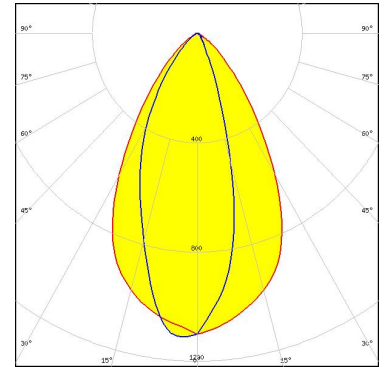
#### OPTICAL RESULTS (SIMULATED):



LED XHP35.2 HD  
FWHM / FWTM Asymmetric  
Efficiency 85 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

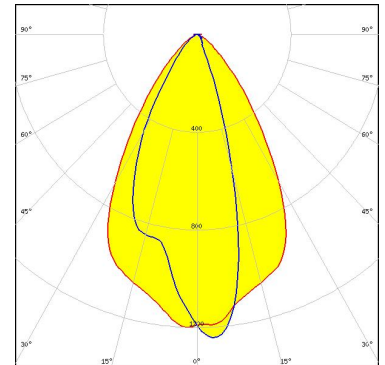
Protective plate, glass

Light distribution files



LED XM-L3  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

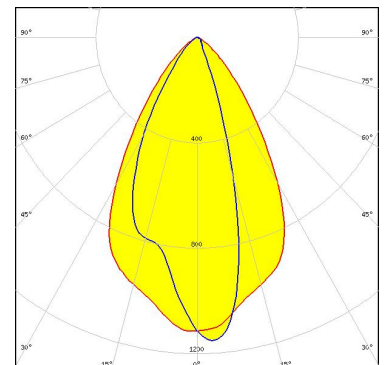
Light distribution files



LED XM-L3  
FWHM / FWTM Asymmetric  
Efficiency 86 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Protective plate, glass

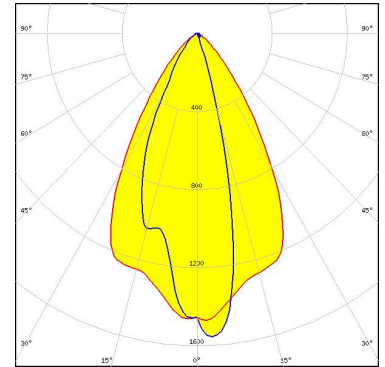
Light distribution files



#### OPTICAL RESULTS (SIMULATED):



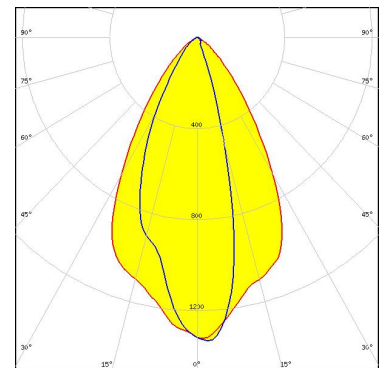
LED XP-G2 HE  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.6 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-G3  
 FWHM / FWTM Asymmetric  
 Efficiency 88 %  
 Peak intensity 1.3 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

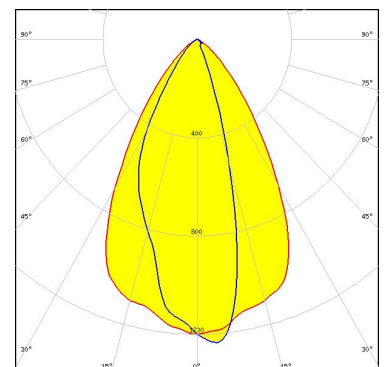


Light distribution files

Protective plate, glass



LED XP-L HD  
 FWHM / FWTM Asymmetric  
 Efficiency 89 %  
 Peak intensity 1.3 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



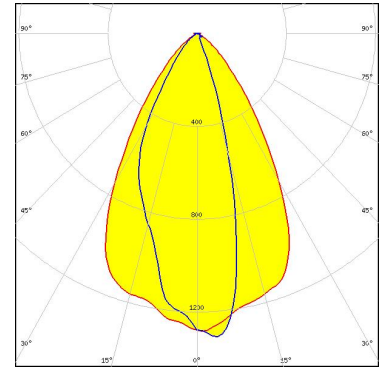
Light distribution files

Protective plate, glass

#### OPTICAL RESULTS (SIMULATED):



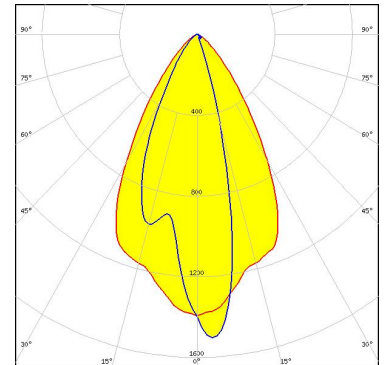
LED XP-L HD  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-L HI  
 FWHM / FWTM Asymmetric  
 Efficiency 89 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

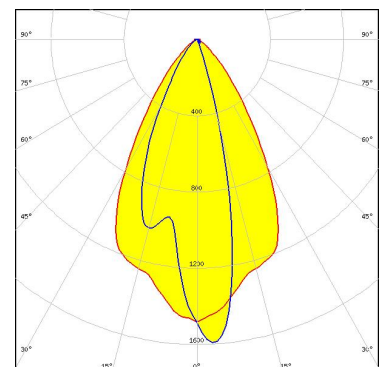


Light distribution files

Protective plate, glass



LED XP-L HI  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

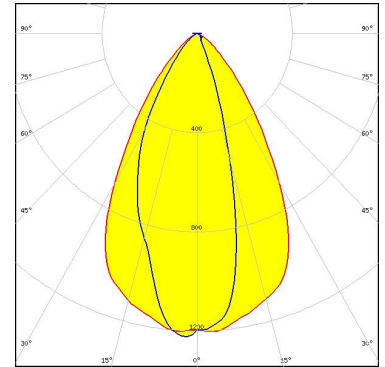


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



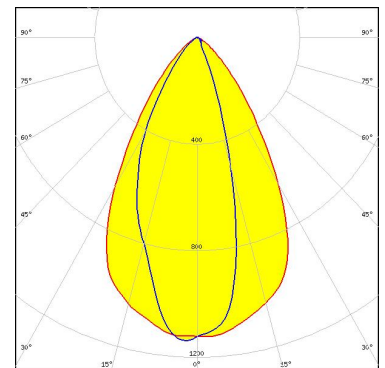
LED XP-L2  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 1.2 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-L2  
 FWHM / FWTM Asymmetric  
 Efficiency 86 %  
 Peak intensity 1.1 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

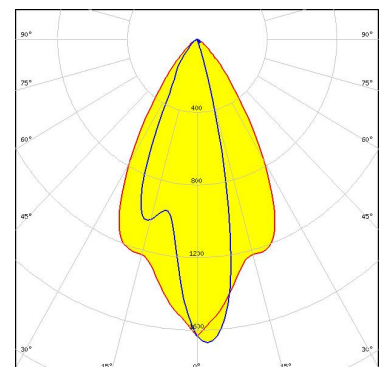


Protective plate, glass

Light distribution files



LED XP-P  
 FWHM / FWTM Asymmetric  
 Efficiency 88 %  
 Peak intensity 1.7 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



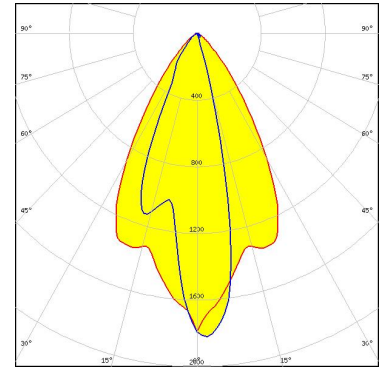
Protective plate, glass

Light distribution files

#### OPTICAL RESULTS (SIMULATED):



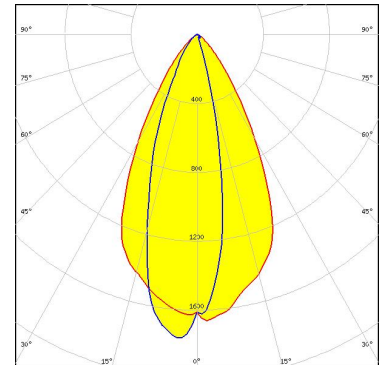
LED XP-P  
 FWHM / FWTM Asymmetric  
 Efficiency 95 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON 3030 2D (Round LES)  
 FWHM / FWTM Asymmetric  
 Efficiency 90 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

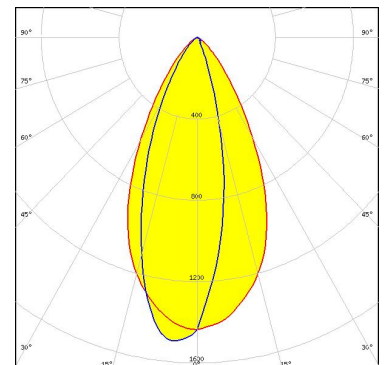


Light distribution files

Protective plate, glass



LED LUXEON 5050 HE  
 FWHM / FWTM Asymmetric  
 Efficiency 87 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



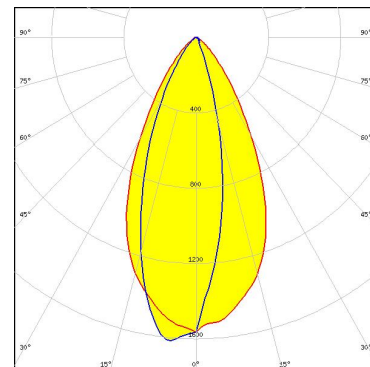
Light distribution files

Protective plate, glass

#### OPTICAL RESULTS (SIMULATED):



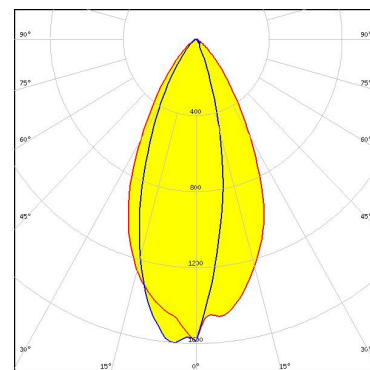
LED LUXEON 5050 HE  
FWHM / FWTM Asymmetric  
Efficiency 95 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



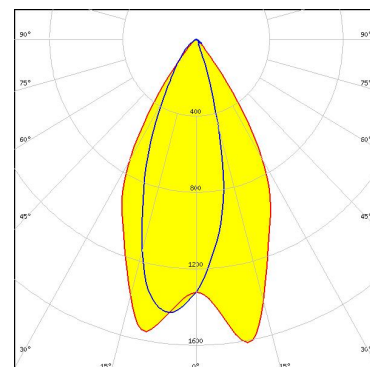
LED LUXEON 5050 HE Plus  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON 5050 Round LES  
FWHM / FWTM Asymmetric  
Efficiency 92 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Protective plate, glass

Light distribution files

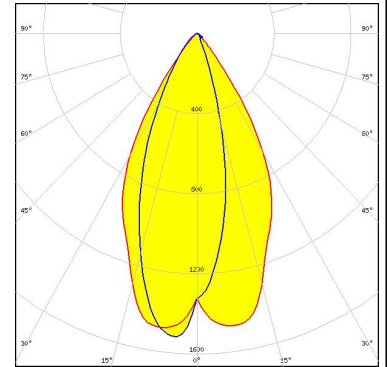
#### OPTICAL RESULTS (SIMULATED):



LED	LUXEON 5050 Square LES
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

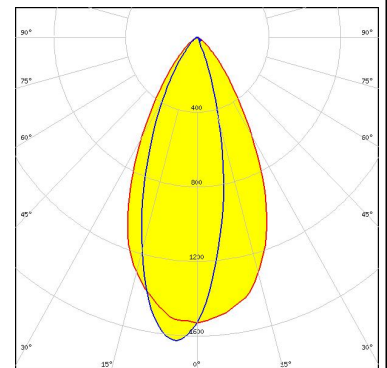
Protective plate, glass

Light distribution files



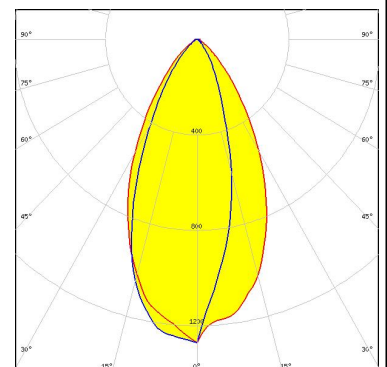
LED	LUXEON 5050 Square LES
FWHM / FWTM	Asymmetric
Efficiency	95 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files



LED	LUXEON 7070
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files



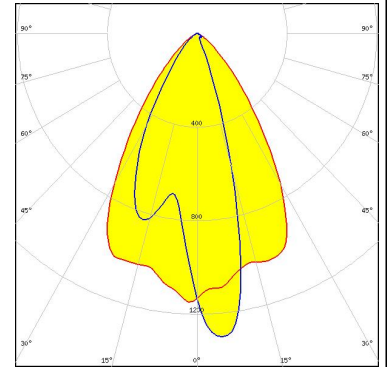
#### OPTICAL RESULTS (SIMULATED):



LED LUXEON HL2X  
 FWHM / FWTM Asymmetric  
 Efficiency 88 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

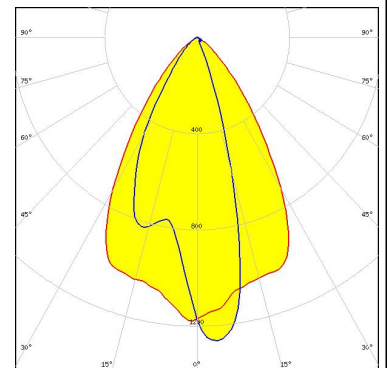
Light distribution files



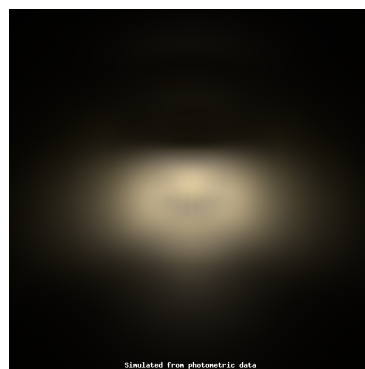
LED LUXEON HL2X-E  
 FWHM / FWTM Asymmetric  
 Efficiency 88 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

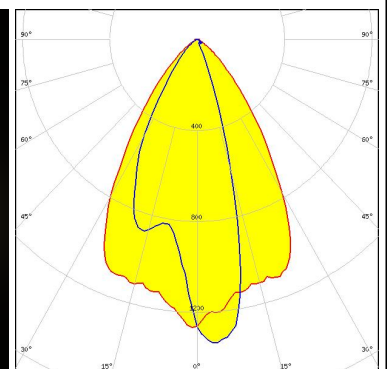
Light distribution files



LED LUXEON HL2X-E  
 FWHM / FWTM Asymmetric  
 Efficiency 95 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files





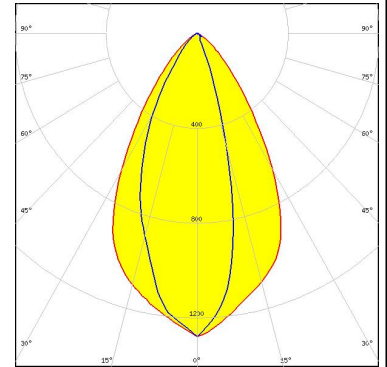
#### OPTICAL RESULTS (SIMULATED):



LED LUXEON HL4X  
FWHM / FWTM Asymmetric  
Efficiency 88 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

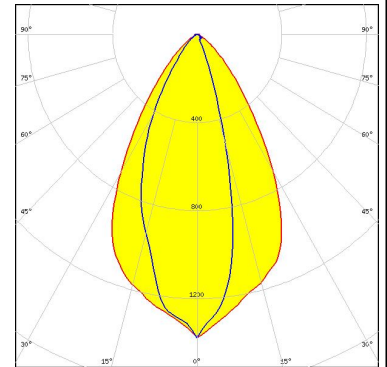
Protective plate, glass

Light distribution files



LED LUXEON HL4X  
FWHM / FWTM Asymmetric  
Efficiency 95 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

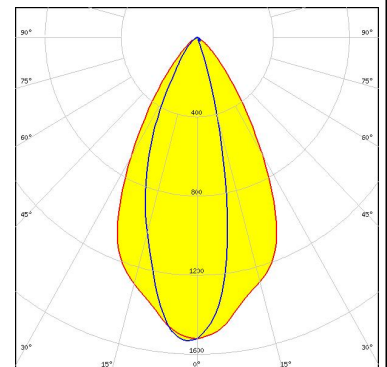
Light distribution files



LED LUXEON HL4Z  
FWHM / FWTM Asymmetric  
Efficiency 89 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Protective plate, glass

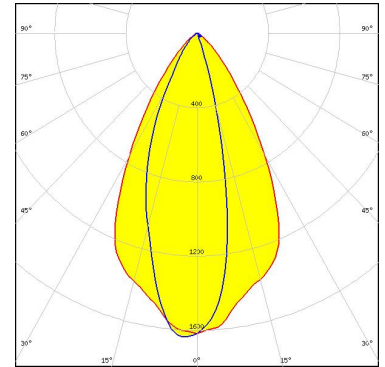
Light distribution files



#### OPTICAL RESULTS (SIMULATED):



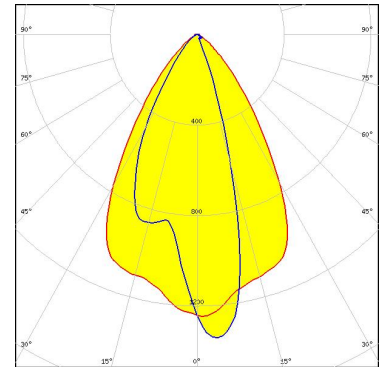
LED LUXEON HL4Z  
FWHM / FWTM Asymmetric  
Efficiency 95 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



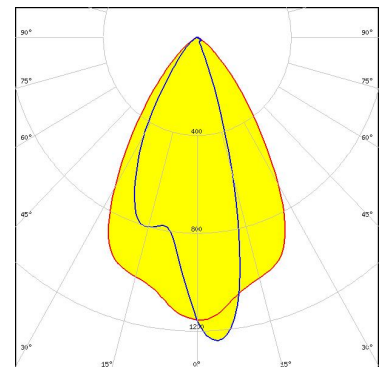
LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)  
FWHM / FWTM Asymmetric  
Efficiency 87 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Protective plate, glass

Light distribution files

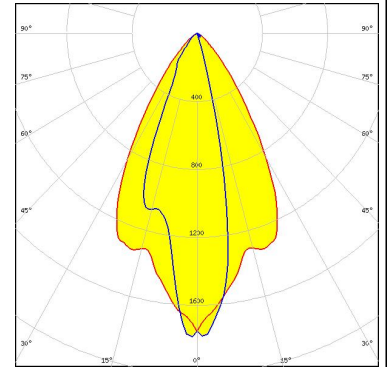
#### OPTICAL RESULTS (SIMULATED):



LED SFT-12R-W-A  
 FWHM / FWTM Asymmetric  
 Efficiency 89 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

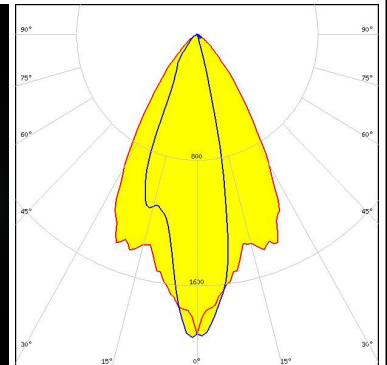
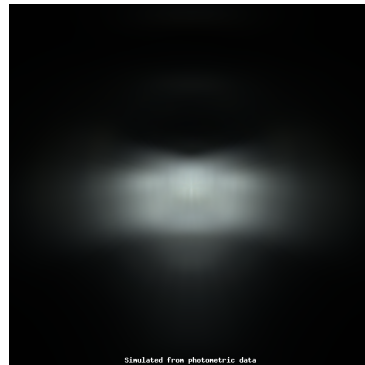
Protective plate, glass

Light distribution files



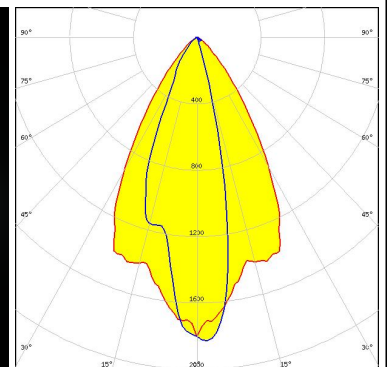
LED SFT-12R-W-A  
 FWHM / FWTM Asymmetric  
 Efficiency 95 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Light distribution files



LED SFT-25R-W-A  
 FWHM / FWTM Asymmetric  
 Efficiency 95 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Light distribution files



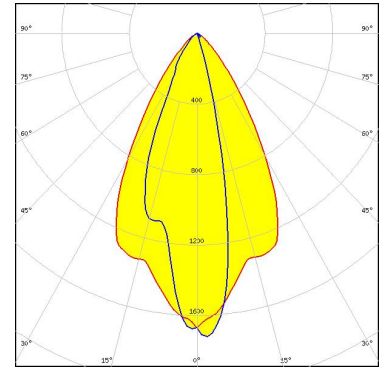
#### OPTICAL RESULTS (SIMULATED):



LED SFT-25R-W-A  
 FWHM / FWTM Asymmetric  
 Efficiency 89 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

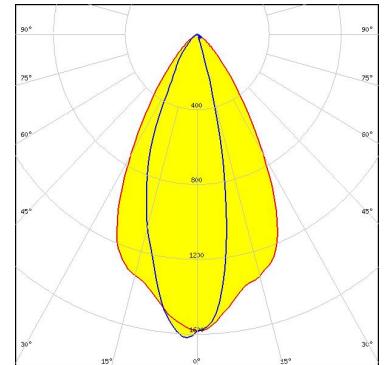
Light distribution files



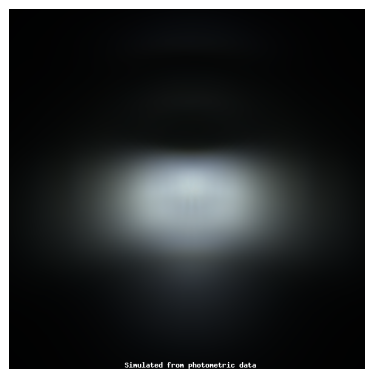
LED SST-20 Gen1  
 FWHM / FWTM Asymmetric  
 Efficiency 89 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

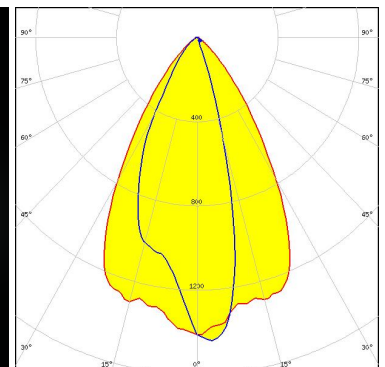
Light distribution files



LED SST-20F-W  
 FWHM / FWTM Asymmetric  
 Efficiency 95 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



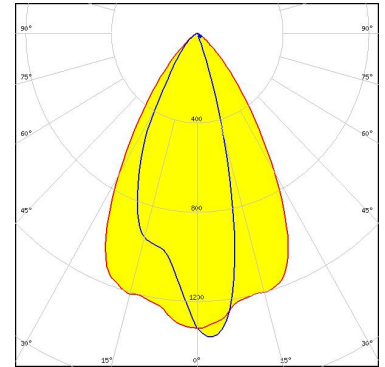
#### OPTICAL RESULTS (SIMULATED):



LED SST-20F-W  
 FWHM / FWTM Asymmetric  
 Efficiency 89 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

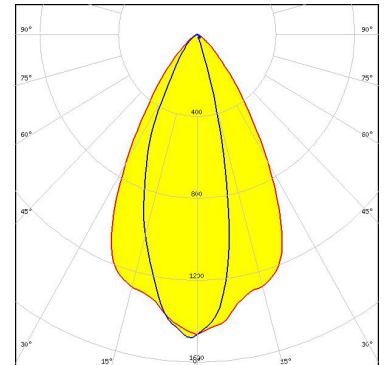
Light distribution files



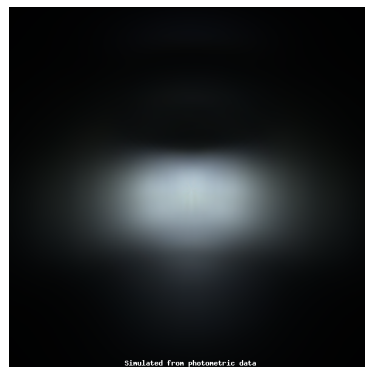
LED SST-25-W  
 FWHM / FWTM Asymmetric  
 Efficiency 88 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

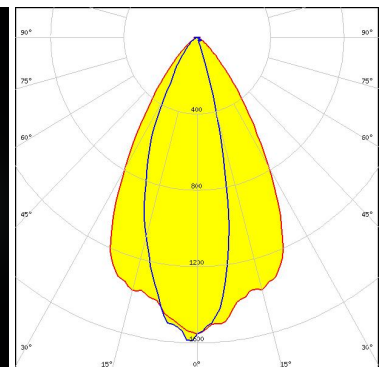
Light distribution files



LED SST-25-W  
 FWHM / FWTM Asymmetric  
 Efficiency 95 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



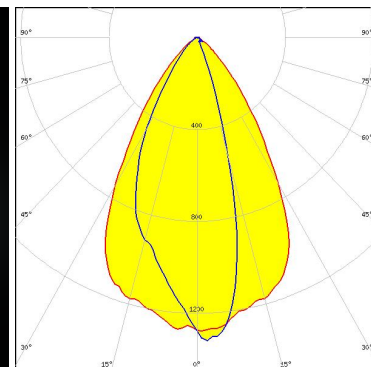
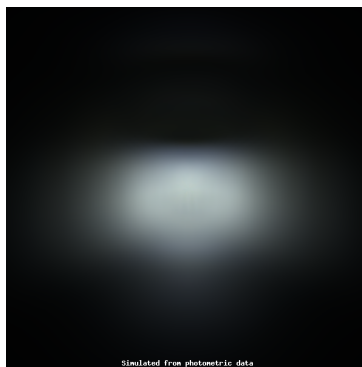
Light distribution files



#### OPTICAL RESULTS (SIMULATED):



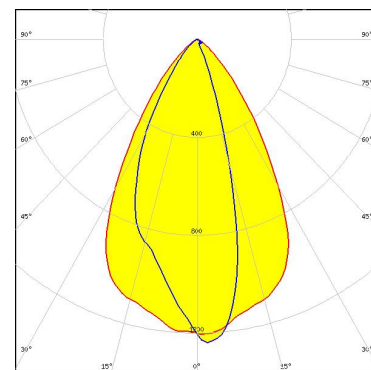
LED SST-36F-W  
 FWHM / FWTM Asymmetric  
 Efficiency 95 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED SST-36F-W  
 FWHM / FWTM Asymmetric  
 Efficiency 88 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

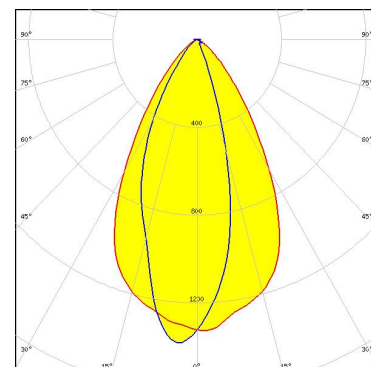


Protective plate, glass

Light distribution files



LED SST-70X-WCS  
 FWHM / FWTM Asymmetric  
 Efficiency 95 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

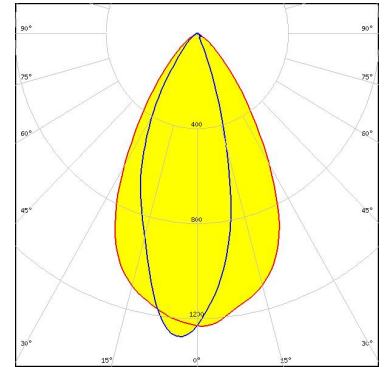
#### OPTICAL RESULTS (SIMULATED):



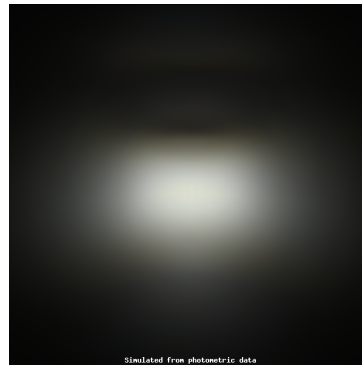
LED SST-70X-WCS  
 FWHM / FWTM Asymmetric  
 Efficiency 87 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

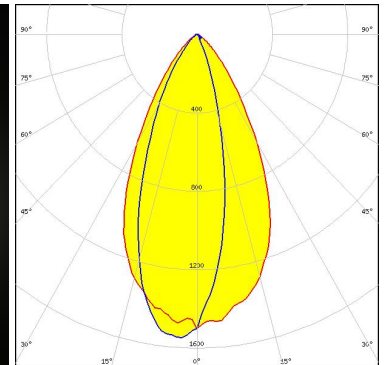
Light distribution files



LED NFMW486AM-V2  
 FWHM / FWTM Asymmetric  
 Efficiency 95 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



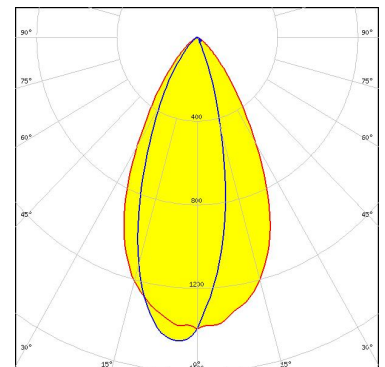
Light distribution files



LED NFMW486AM-V2  
 FWHM / FWTM Asymmetric  
 Efficiency 89 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

Light distribution files





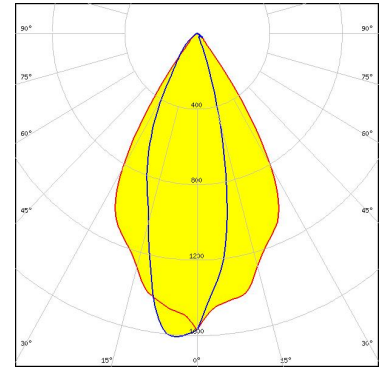
#### OPTICAL RESULTS (SIMULATED):



LED NV4WB35AM  
 FWHM / FWTM Asymmetric  
 Efficiency 92 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

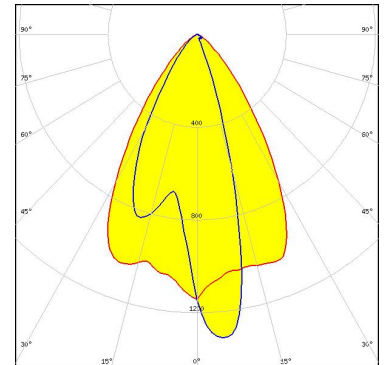
Light distribution files



LED NVSW219D  
 FWHM / FWTM Asymmetric  
 Efficiency 89 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

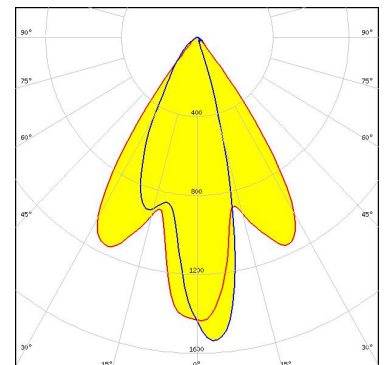
Light distribution files



LED NVSW219F-V2  
 FWHM / FWTM Asymmetric  
 Efficiency 91 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

Light distribution files

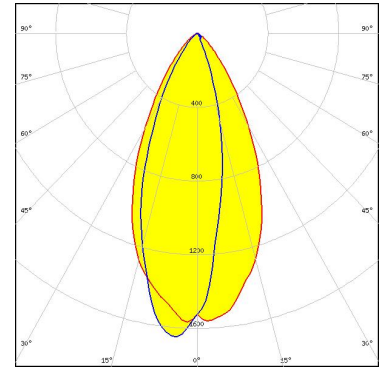




#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

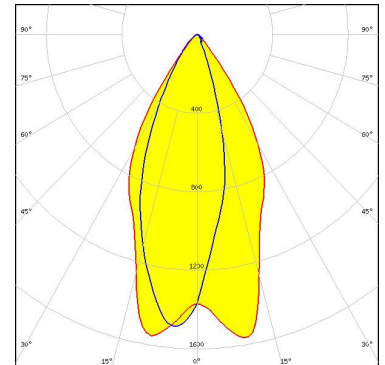
LED Duris S8  
FWHM / FWTM Asymmetric  
Efficiency 95 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED Duris S8  
FWHM / FWTM Asymmetric  
Efficiency 92 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

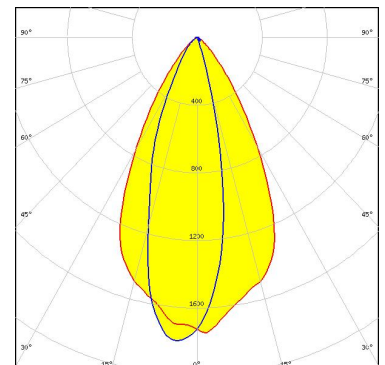


Light distribution files

Protective plate, glass

**OSRAM**  
Opto Semiconductors

LED OSCONIQ C 3030  
FWHM / FWTM Asymmetric  
Efficiency 95 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

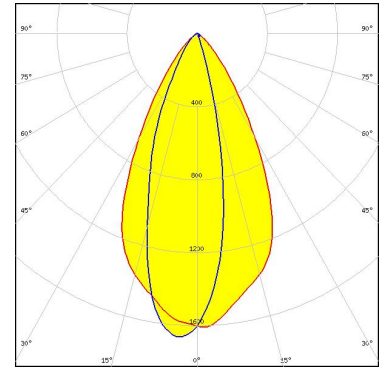
#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED OSCONIQ C 3030  
FWHM / FWTM Asymmetric  
Efficiency 88 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Protective plate, glass

Light distribution files

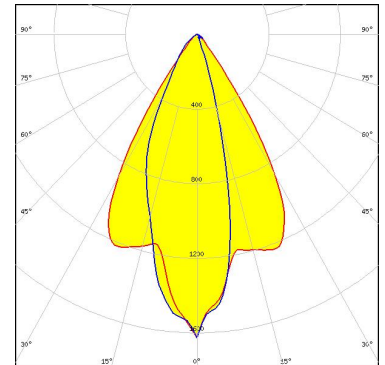


**OSRAM**  
Opto Semiconductors

LED OSCONIQ P 3737 (3W) PUSTA1  
FWHM / FWTM Asymmetric  
Efficiency 91 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Protective plate, glass

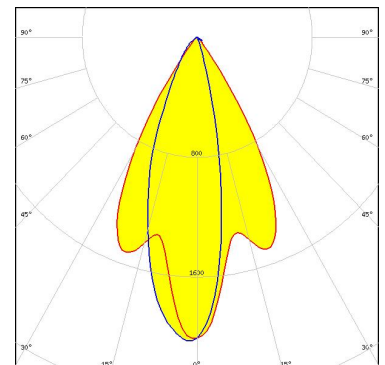
Light distribution files



**OSRAM**  
Opto Semiconductors

LED OSCONIQ P 3737 Flat  
FWHM / FWTM Asymmetric  
Efficiency 97 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files



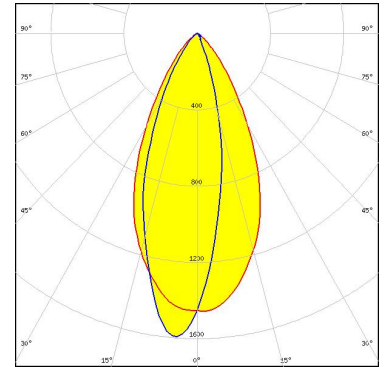
#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED OSCONIQ S 5050 (Q9LR32)  
FWHM / FWTM Asymmetric  
Efficiency 88 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Protective plate, glass

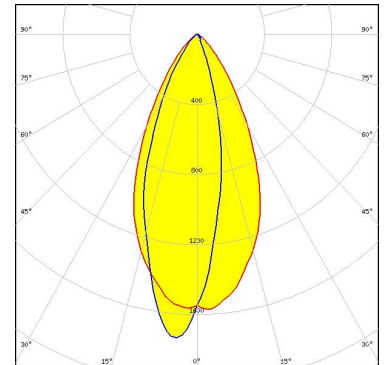
Light distribution files



**OSRAM**  
Opto Semiconductors

LED OSCONIQ S 5050 (Q9LR32)  
FWHM / FWTM Asymmetric  
Efficiency 95 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

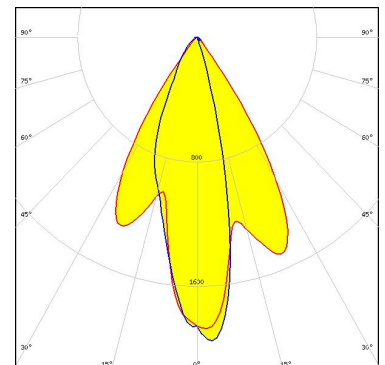
Light distribution files



**OSRAM**  
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM Asymmetric  
Efficiency 96 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files



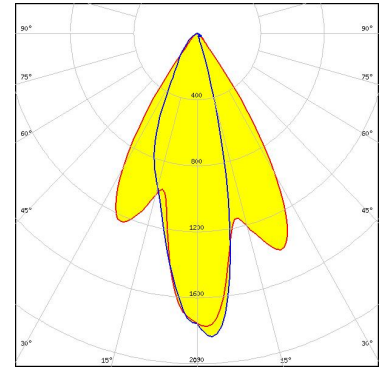
#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM Asymmetric  
Efficiency 91 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Protective plate, glass

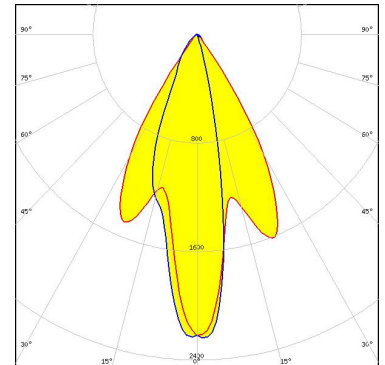
Light distribution files



**OSRAM**  
Opto Semiconductors

LED OSLON Square Flat  
FWHM / FWTM Asymmetric  
Efficiency 97 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files

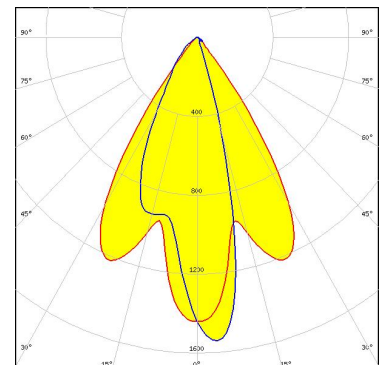


**SAMSUNG**

LED LH351B  
FWHM / FWTM Asymmetric  
Efficiency 91 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Protective plate, glass

Light distribution files



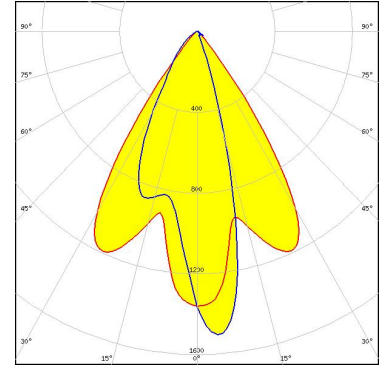
#### OPTICAL RESULTS (SIMULATED):

### SAMSUNG

LED LH351C  
 FWHM / FWTM Asymmetric  
 Efficiency 92 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

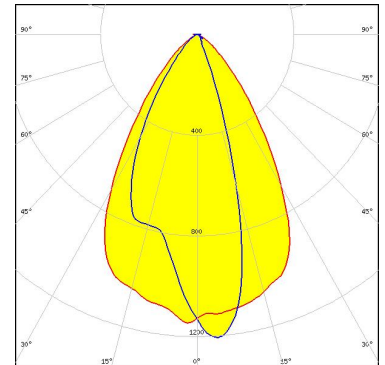
Light distribution files



### SAMSUNG

LED LH351D  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Light distribution files

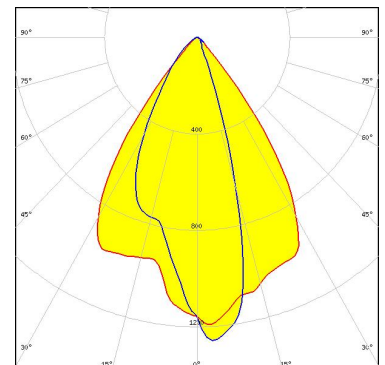


### SAMSUNG

LED LH351D  
 FWHM / FWTM Asymmetric  
 Efficiency 91 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

Light distribution files



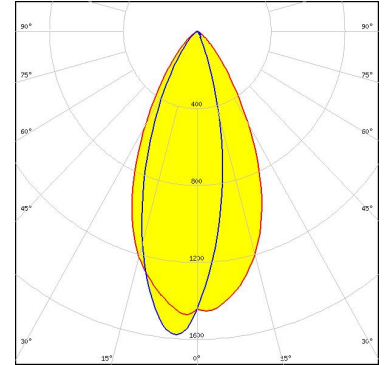
#### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

LED LH502C  
 FWHM / FWTM Asymmetric  
 Efficiency 88 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

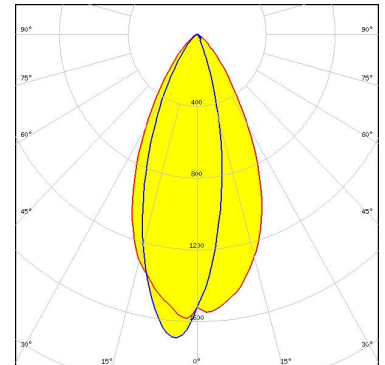
Light distribution files



#### SAMSUNG

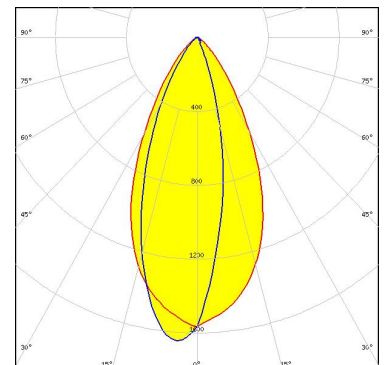
LED LH502C  
 FWHM / FWTM Asymmetric  
 Efficiency 95 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Light distribution files



LED SEOUL DC 5050 6V  
 FWHM / FWTM Asymmetric  
 Efficiency 95 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Light distribution files



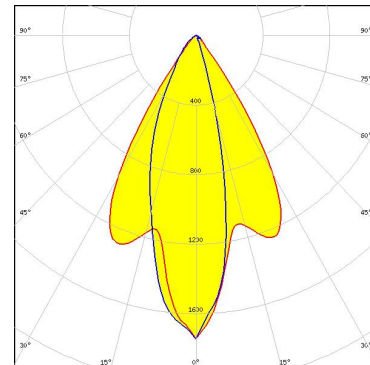
#### OPTICAL RESULTS (SIMULATED):



LED Z5M3  
FWHM / FWTM Asymmetric  
Efficiency 91 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

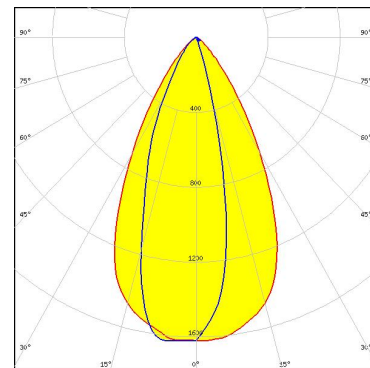
Protective plate, glass

Light distribution files



LED Z5M4  
FWHM / FWTM Asymmetric  
Efficiency 95 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

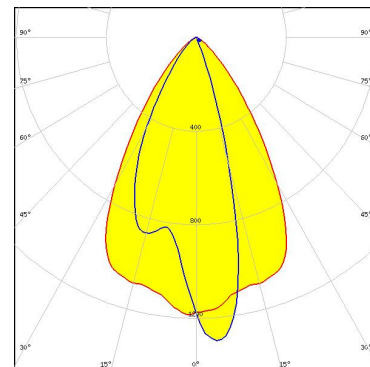
Light distribution files



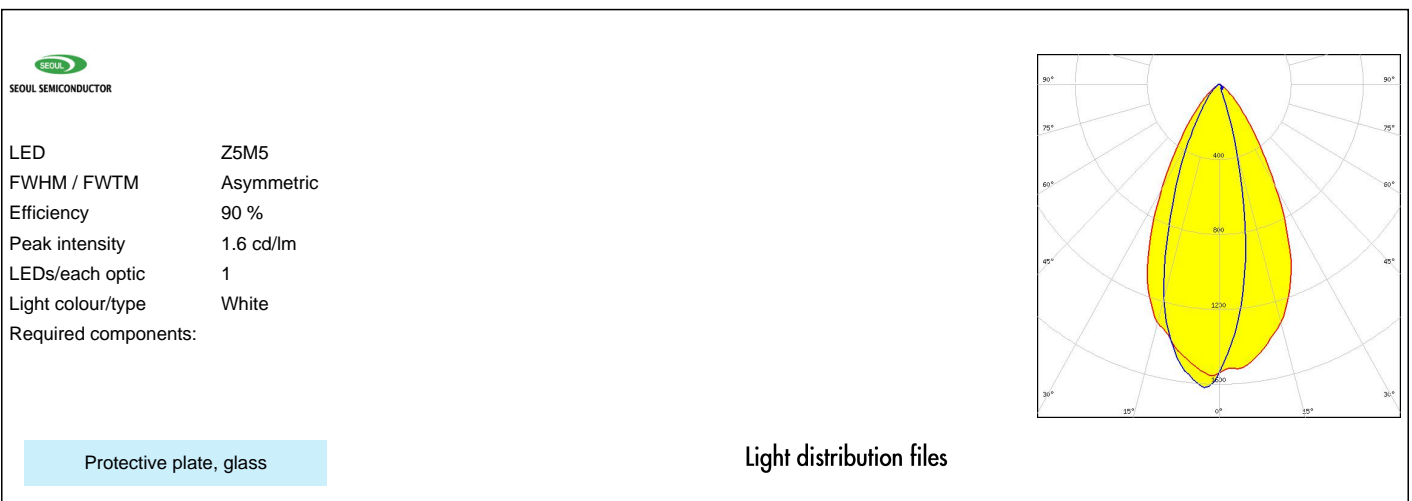
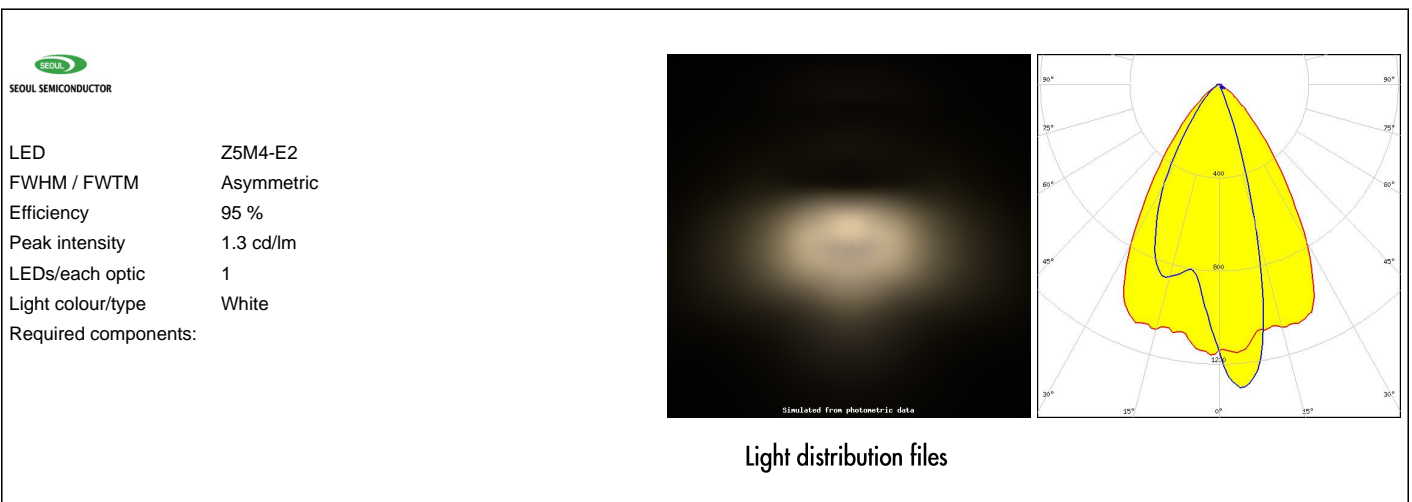
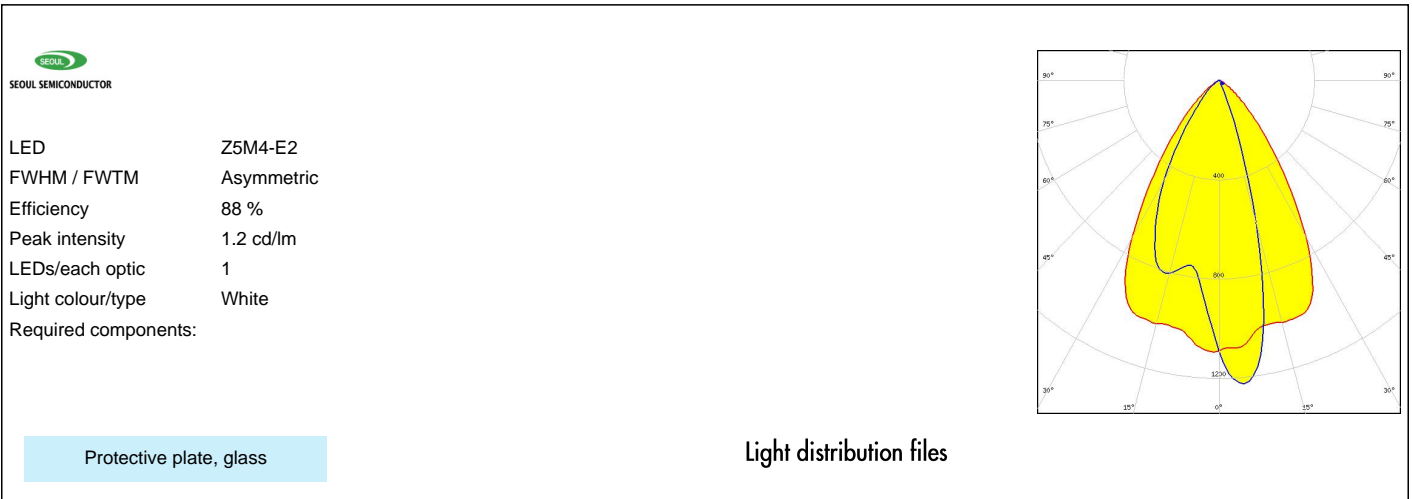
LED Z5M4-E1  
FWHM / FWTM Asymmetric  
Efficiency 88 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Protective plate, glass

Light distribution files



#### OPTICAL RESULTS (SIMULATED):

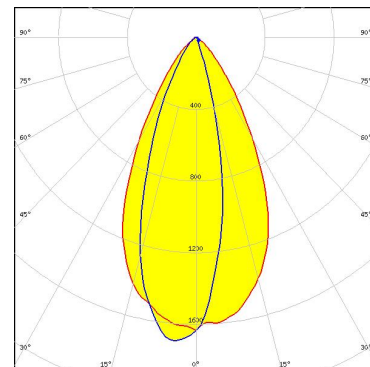




## OPTICAL RESULTS (SIMULATED):



LED	Z5M5
FWHM / FWTM	Asymmetric
Efficiency	95 %
Peak intensity	1.7 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:

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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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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