

## STRADA-2X2-LN1

Beam for EN13201 M-class requirements with high poles or where road width is equal or less the pole height.

### SPECIFICATION:

Dimensions	50.0 x 50.0
Height	7.1 mm
Fastening	glue, pin, screw
ROHS compliant	yes ⓘ

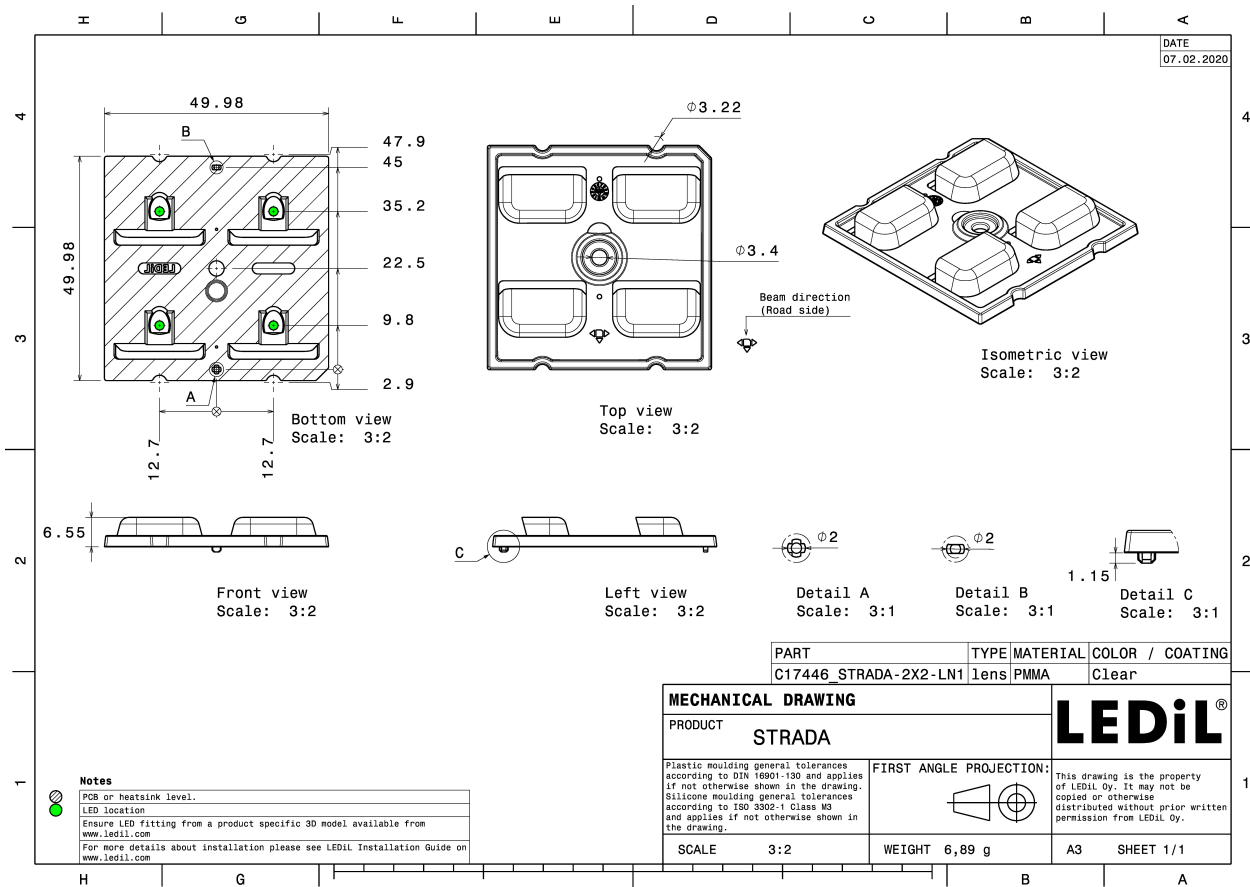


### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
STRADA-2X2-LN1	Multi-lens	PMMA	clear		

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17446_STRADA-2X2-LN1 » Box size: 480 x 280 x 300 mm	800	160	160	6.3

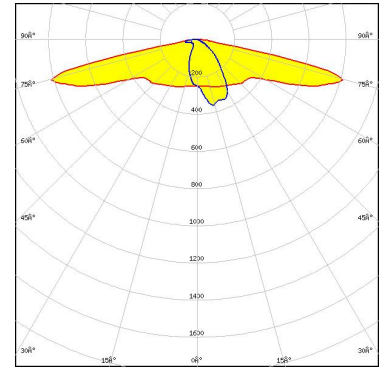


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



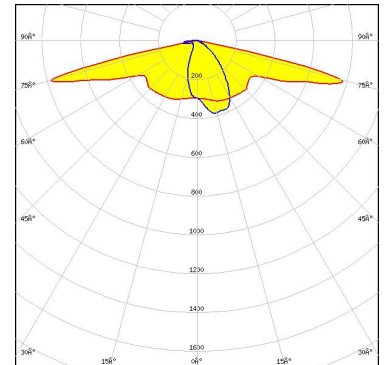
LED XP-G3  
 FWHM / FWTM Asymmetric  
 Efficiency 97 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



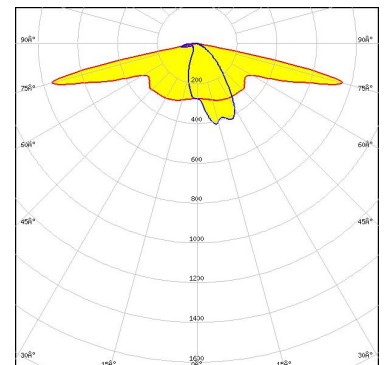
LED RecLED 122x50mm 1900lm 730 2x4 Opt G1  
 FWHM / FWTM Asymmetric  
 Efficiency 97 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED Fortimo FastFlex LED 2x8 DA G5  
 FWHM / FWTM Asymmetric  
 Efficiency 97 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

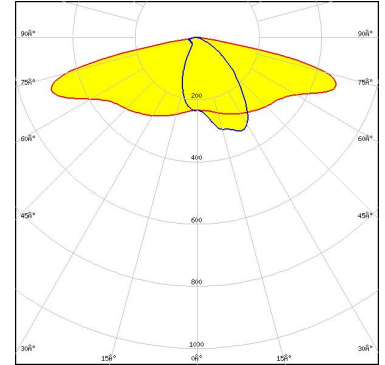
#### OPTICAL RESULTS (MEASURED):

#### SAMSUNG

LED LH351C  
FWHM / FWTM Asymmetric  
Efficiency 84 %  
Peak intensity 0.6 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:

Protective plate, glass

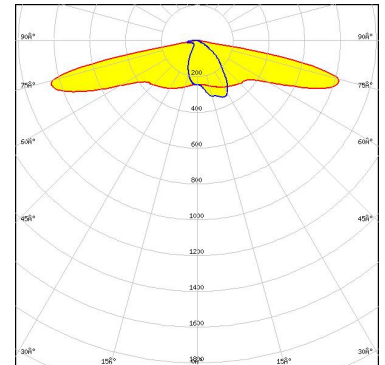
Light distribution files



#### SAMSUNG

LED LH351C  
FWHM / FWTM Asymmetric  
Efficiency 97 %  
Peak intensity 0.9 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files





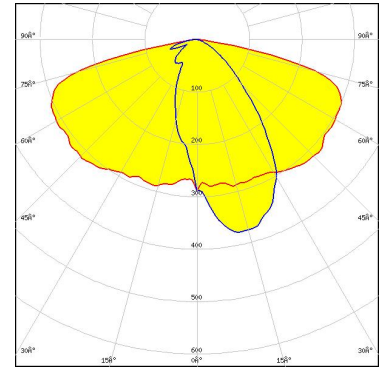
#### OPTICAL RESULTS (SIMULATED):



LED Bridgelux SMD 5050  
 FWHM / FWTM Asymmetric  
 Efficiency 81 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

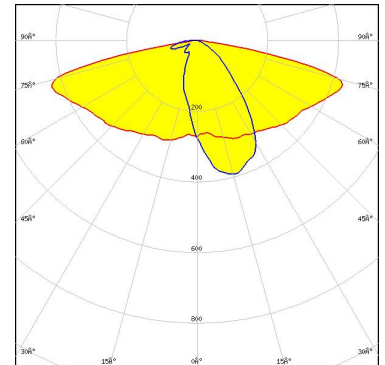
Protective plate, glass

Light distribution files



LED J Series 5050 Round LES  
 FWHM / FWTM Asymmetric  
 Efficiency 95 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

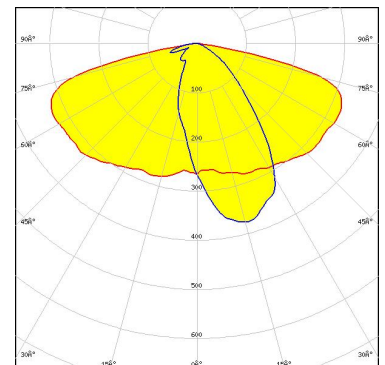
Light distribution files



LED J Series 5050 Round LES  
 FWHM / FWTM Asymmetric  
 Efficiency 83 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

Light distribution files



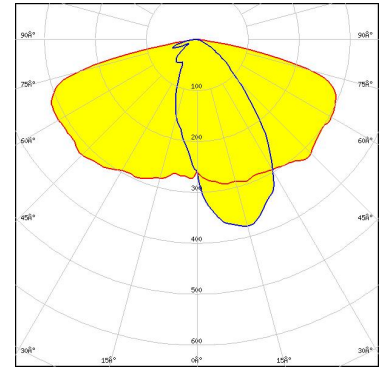
#### OPTICAL RESULTS (SIMULATED):



LED J Series 5050B 6V K Class  
 FWHM / FWTM Asymmetric  
 Efficiency 81 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

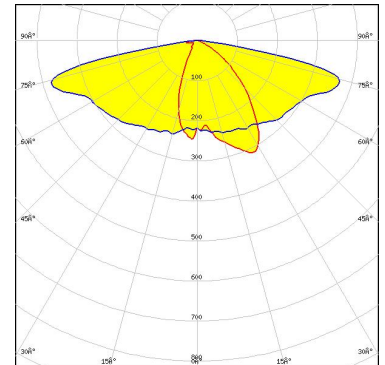
Light distribution files



LED XP-G  
 FWHM / FWTM Asymmetric  
 Efficiency 80 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

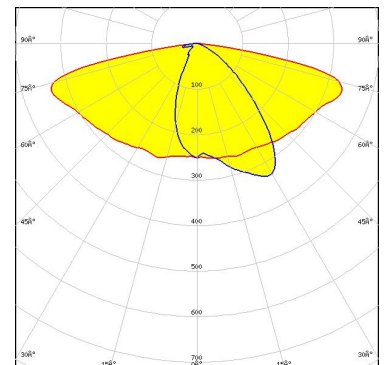
Light distribution files



LED XP-G2 HE  
 FWHM / FWTM Asymmetric  
 Efficiency 83 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

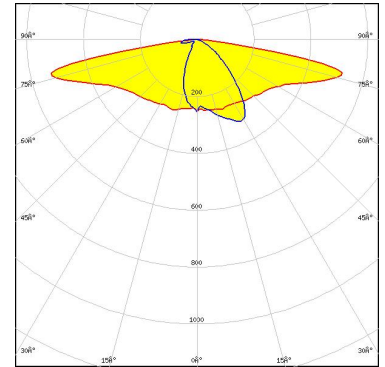
Light distribution files



#### OPTICAL RESULTS (SIMULATED):



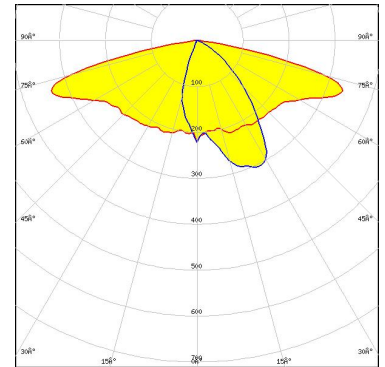
LED XP-G2 HE  
 FWHM / FWTM Asymmetric  
 Efficiency 91 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-G3  
 FWHM / FWTM Asymmetric  
 Efficiency 66 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C17677\_STRADA-2X2-SHD-BLK

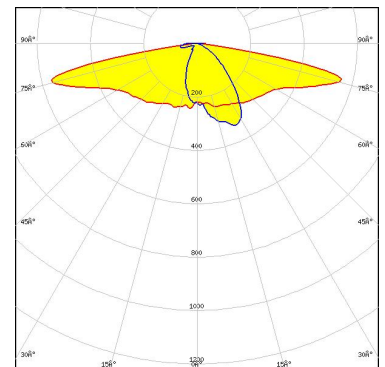


Light distribution files

Protective plate, glass



LED XP-G3  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

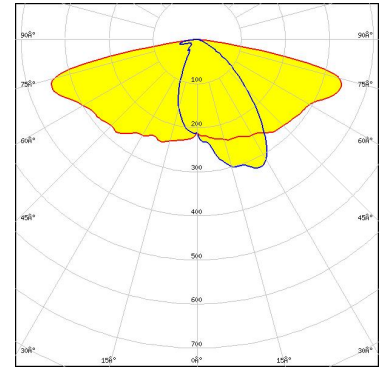
#### OPTICAL RESULTS (SIMULATED):



LED XP-G3  
 FWHM / FWTM Asymmetric  
 Efficiency 80 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

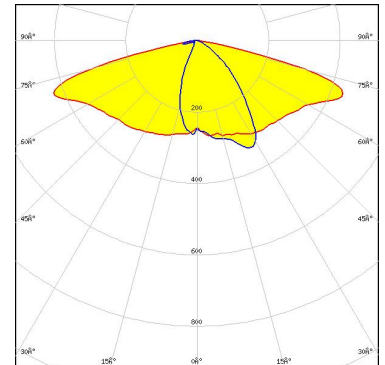
Light distribution files



LED XP-G4  
 FWHM / FWTM Asymmetric  
 Efficiency 82 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

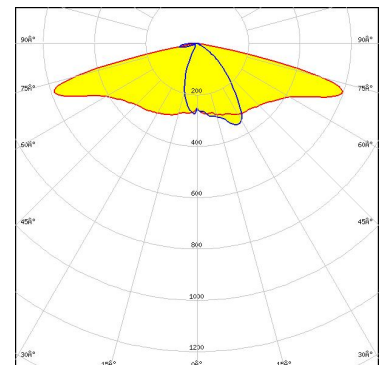
Protective plate, glass

Light distribution files



LED XP-G4  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Light distribution files



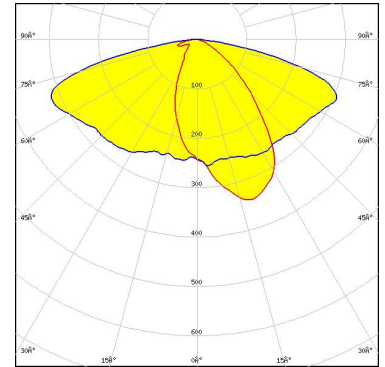
#### OPTICAL RESULTS (SIMULATED):



LED XP-L HD  
 FWHM / FWTM Asymmetric  
 Efficiency 80 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

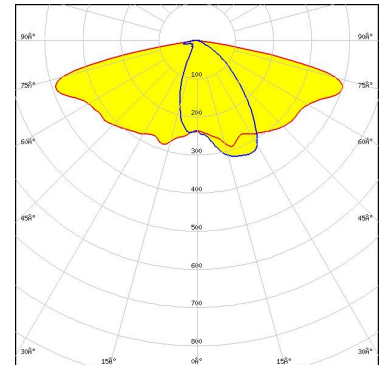
Light distribution files



LED XT-E HE  
 FWHM / FWTM Asymmetric  
 Efficiency 83 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

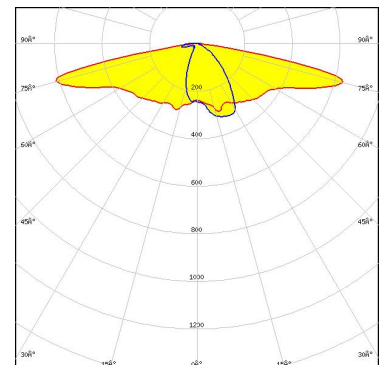
Protective plate, glass

Light distribution files



LED XT-E HE  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Light distribution files



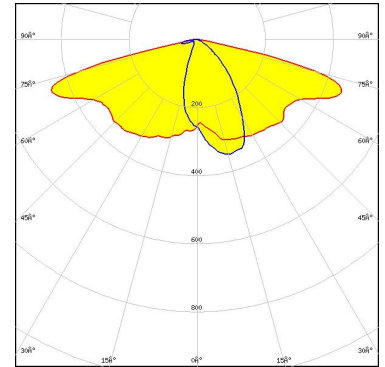
#### OPTICAL RESULTS (SIMULATED):



LED LUXEON 3030 2D (Round LES)  
 FWHM / FWTM Asymmetric  
 Efficiency 82 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

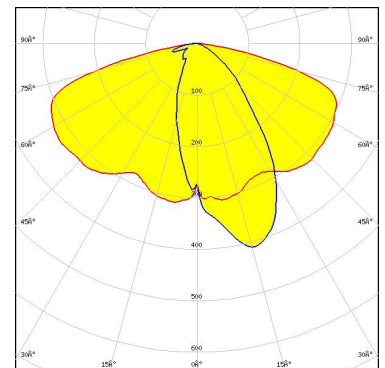
Light distribution files



LED LUXEON 5050 Round LES  
 FWHM / FWTM Asymmetric  
 Efficiency 82 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

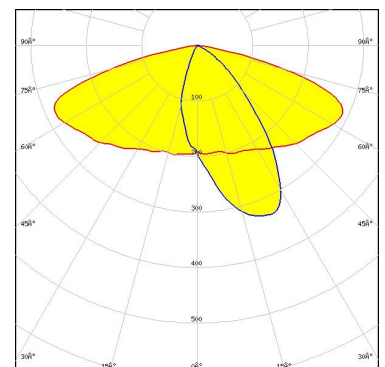
Light distribution files



LED LUXEON 5050 Square LES  
 FWHM / FWTM Asymmetric  
 Efficiency 65 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C17677\_STRADA-2X2-SHD-BLK

Protective plate, glass

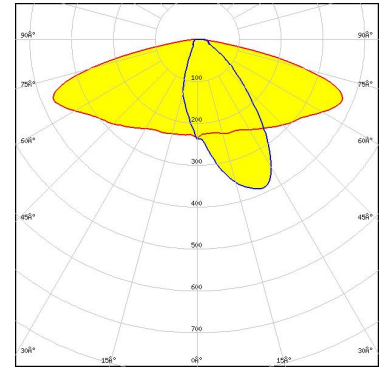
Light distribution files



#### OPTICAL RESULTS (SIMULATED):



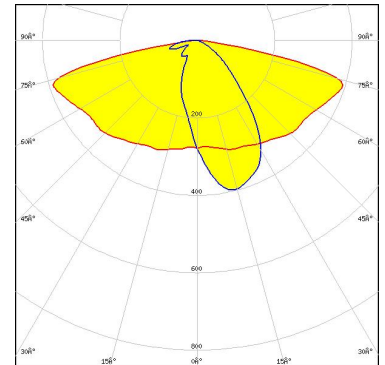
LED LUXEON 5050 Square LES  
 FWHM / FWTM Asymmetric  
 Efficiency 85 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C17580\_STRADA-2X2-SHD-WHT



Light distribution files



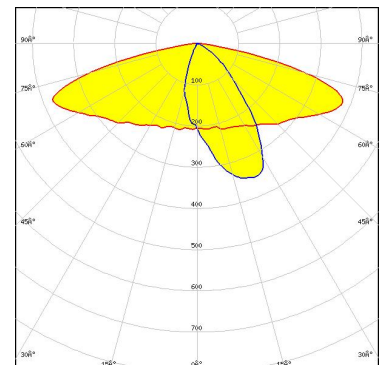
LED LUXEON 5050 Square LES  
 FWHM / FWTM Asymmetric  
 Efficiency 95 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON 5050 Square LES  
 FWHM / FWTM Asymmetric  
 Efficiency 74 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C17677\_STRADA-2X2-SHD-BLK



Light distribution files



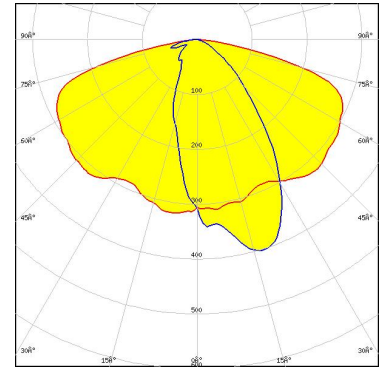
#### OPTICAL RESULTS (SIMULATED):



LED LUXEON 5050 Square LES  
 FWHM / FWTM Asymmetric  
 Efficiency 82 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

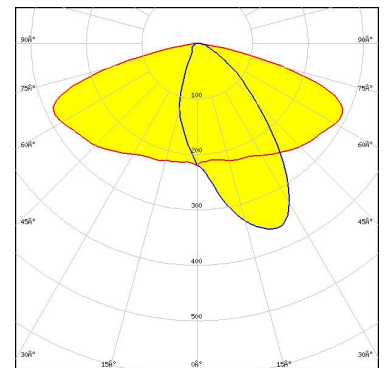
Light distribution files



LED LUXEON 5050 Square LES  
 FWHM / FWTM Asymmetric  
 Efficiency 74 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C17580\_STRADA-2X2-SHD-WHT

Protective plate, glass

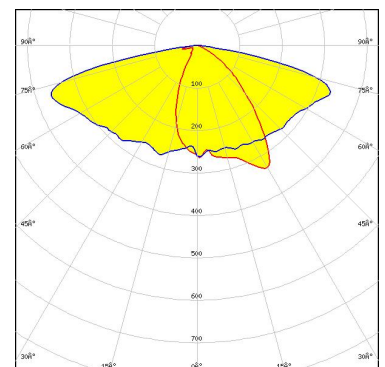
Light distribution files



LED LUXEON HL2X  
 FWHM / FWTM Asymmetric  
 Efficiency 81 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

Light distribution files



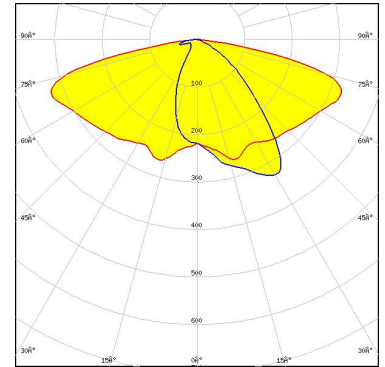


#### OPTICAL RESULTS (SIMULATED):



LED LUXEON HL2X-D  
 FWHM / FWTM Asymmetric  
 Efficiency 81 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

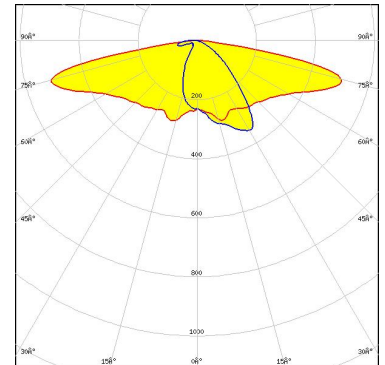
Protective plate, glass



Light distribution files



LED LUXEON HL2X-D  
 FWHM / FWTM Asymmetric  
 Efficiency 95 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



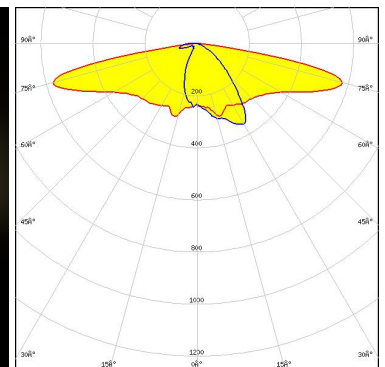
Light distribution files



LED LUXEON HL2X-E  
 FWHM / FWTM Asymmetric  
 Efficiency 95 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Simulated from photometric data



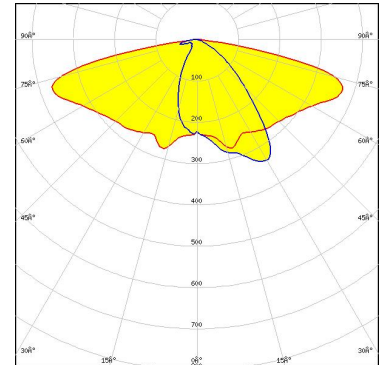
Light distribution files

#### OPTICAL RESULTS (SIMULATED):



LED LUXEON HL2X-E  
 FWHM / FWTM Asymmetric  
 Efficiency 82 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

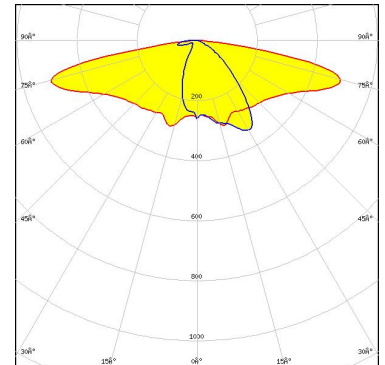
Protective plate, glass



Light distribution files



LED LUXEON HL2X-P  
 FWHM / FWTM Asymmetric  
 Efficiency 95 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

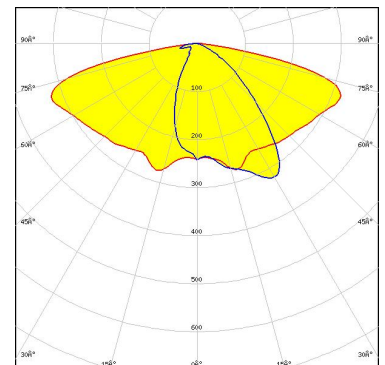


Light distribution files



LED LUXEON HL2X-P  
 FWHM / FWTM Asymmetric  
 Efficiency 81 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass



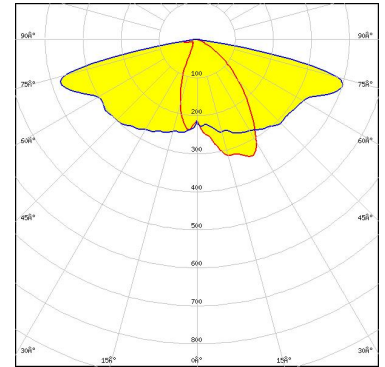
Light distribution files

#### OPTICAL RESULTS (SIMULATED):



LED LUXEON TX  
 FWHM / FWTM Asymmetric  
 Efficiency 81 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

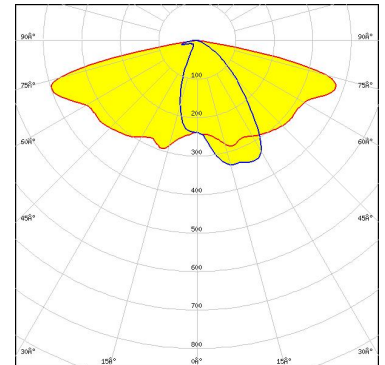


Light distribution files



LED LUXEON V2  
 FWHM / FWTM Asymmetric  
 Efficiency 84 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

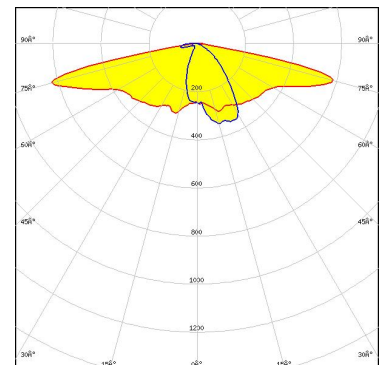


Light distribution files



LED LUXEON V2  
 FWHM / FWTM Asymmetric  
 Efficiency 95 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Light distribution files



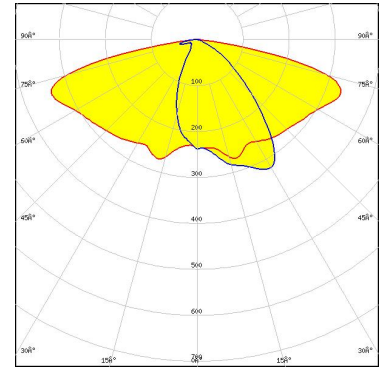
#### OPTICAL RESULTS (SIMULATED):



LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)  
 FWHM / FWTM Asymmetric  
 Efficiency 81 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

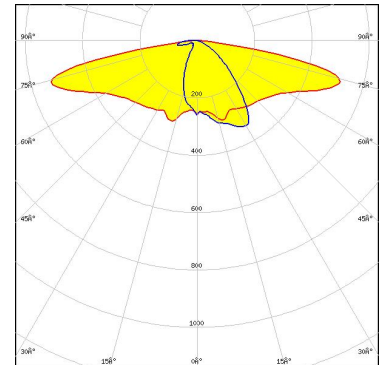
Protective plate, glass

Light distribution files



LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)  
 FWHM / FWTM Asymmetric  
 Efficiency 95 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

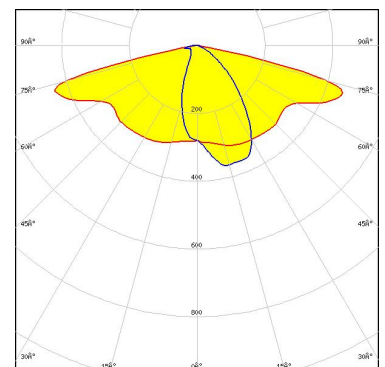
Light distribution files



LED RecLED 122x50mm 1900lm 730 2x4 Opt G1  
 FWHM / FWTM Asymmetric  
 Efficiency 84 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

Light distribution files



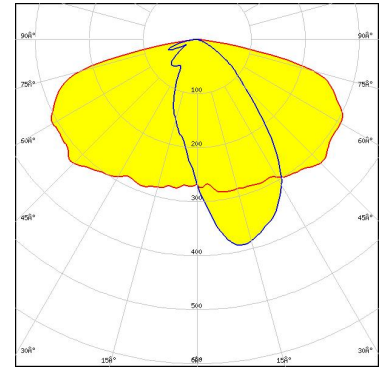
#### OPTICAL RESULTS (SIMULATED):



LED RecLED 122x50mm 2x4 5050  
 FWHM / FWTM Asymmetric  
 Efficiency 83 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

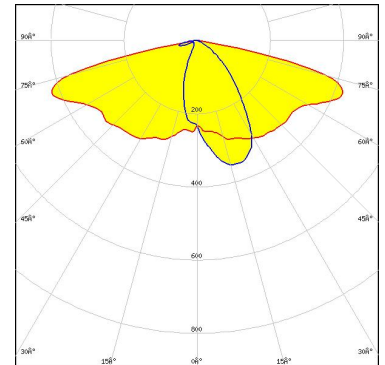
Light distribution files



LED NF2x757G  
 FWHM / FWTM Asymmetric  
 Efficiency 81 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

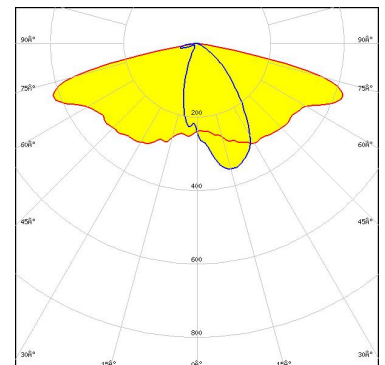
Light distribution files



LED NFSx757G  
 FWHM / FWTM Asymmetric  
 Efficiency 80 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

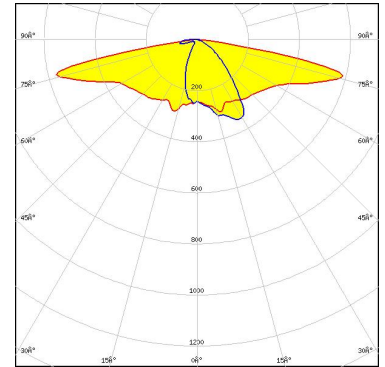
Light distribution files



#### OPTICAL RESULTS (SIMULATED):



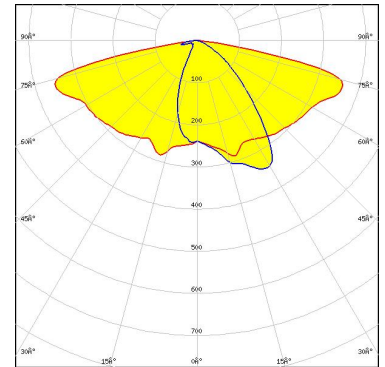
LED NVSW219F  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NVSW219F  
 FWHM / FWTM Asymmetric  
 Efficiency 84 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

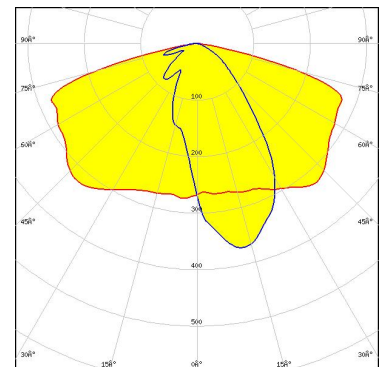


Protective plate, glass

Light distribution files



LED NVSxE21A  
 FWHM / FWTM Asymmetric  
 Efficiency 80 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 4  
 Light colour/type White  
 Required components:



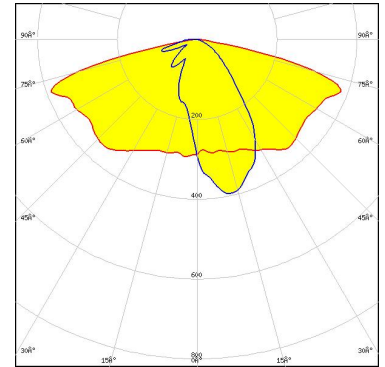
Protective plate, glass

Light distribution files

#### OPTICAL RESULTS (SIMULATED):



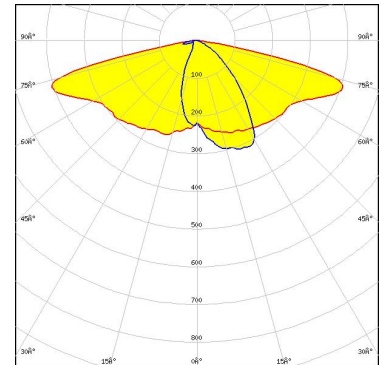
LED NVSxE21A  
 FWHM / FWTM Asymmetric  
 Efficiency 92 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 4  
 Light colour/type White  
 Required components:



Light distribution files



LED NVSxx19B/NVSxx19C  
 FWHM / FWTM Asymmetric  
 Efficiency 79 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

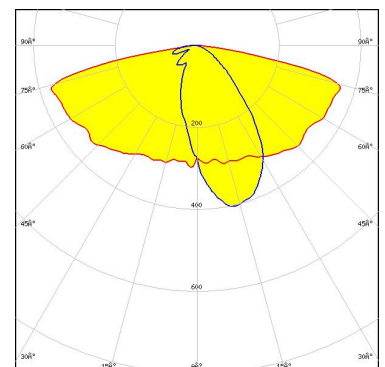


Light distribution files

Protective plate, glass



LED Duris S8  
 FWHM / FWTM Asymmetric  
 Efficiency 92 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

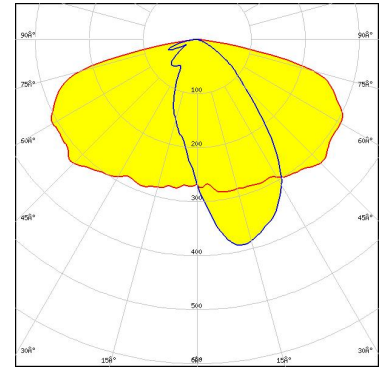
#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED Duris S8  
FWHM / FWTM Asymmetric  
Efficiency 83 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Protective plate, glass

Light distribution files

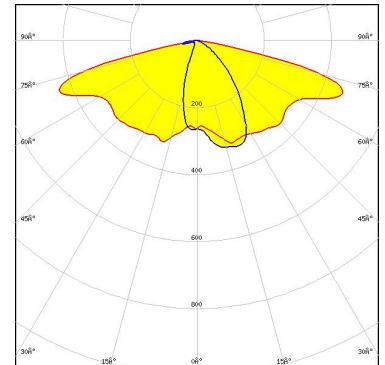


**OSRAM**  
Opto Semiconductors

LED OSCONIQ C 2424  
FWHM / FWTM Asymmetric  
Efficiency 84 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Protective plate, glass

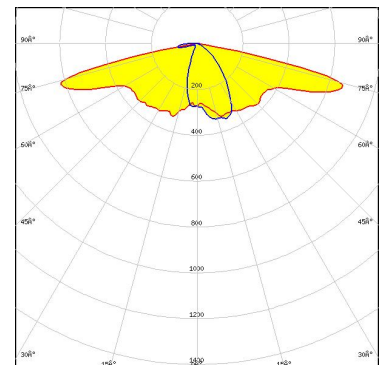
Light distribution files



**OSRAM**  
Opto Semiconductors

LED OSCONIQ C 2424  
FWHM / FWTM Asymmetric  
Efficiency 96 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files





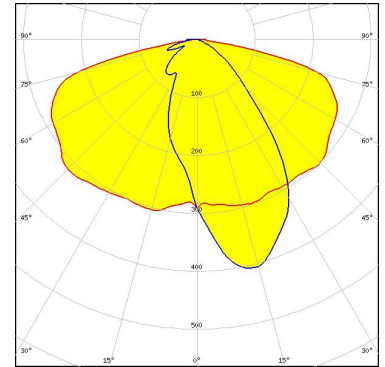
#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED OSCONIQ S 5050 (Q9LR33)  
FWHM / FWTM Asymmetric  
Efficiency 84 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Protective plate, glass

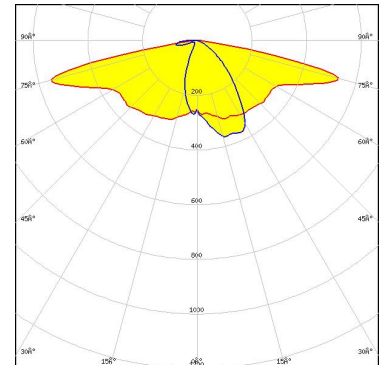
Light distribution files



**OSRAM**  
Opto Semiconductors

LED OSLOM Square CSSRM2/CSSRM3  
FWHM / FWTM Asymmetric  
Efficiency 94 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

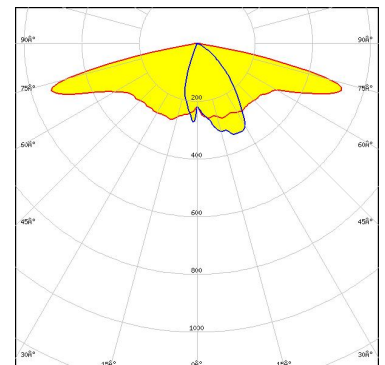
Light distribution files



**OSRAM**  
Opto Semiconductors

LED OSLOM Square CSSRM2/CSSRM3  
FWHM / FWTM Asymmetric  
Efficiency 81 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C17677\_STRADA-2X2-SHD-BLK

Light distribution files



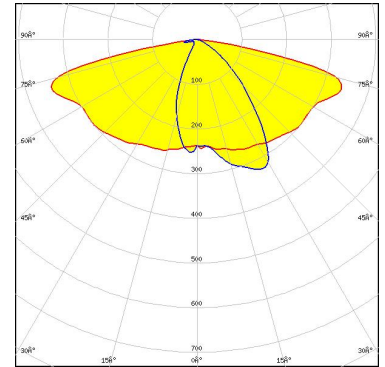
#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM Asymmetric  
Efficiency 78 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Protective plate, glass

Light distribution files

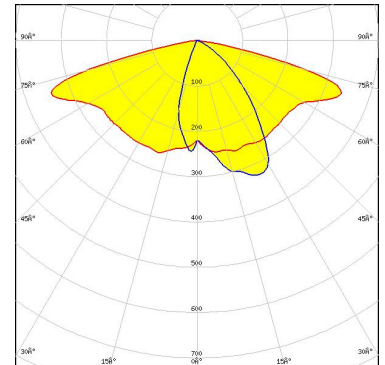


**OSRAM**  
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM Asymmetric  
Efficiency 71 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C17677\_STRADA-2X2-SHD-BLK

Protective plate, glass

Light distribution files

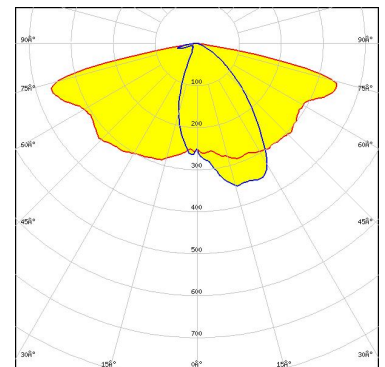


**OSRAM**  
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM Asymmetric  
Efficiency 82 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Protective plate, glass

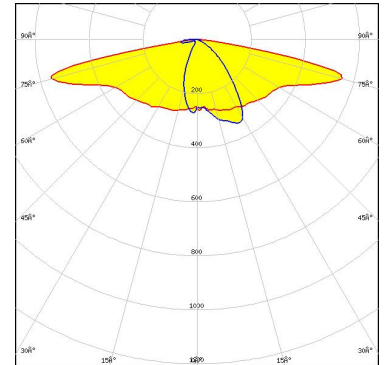
Light distribution files



#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

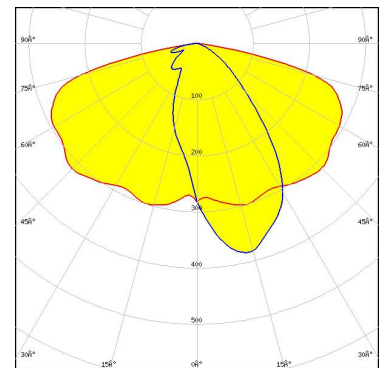
LED OSLOM Square CSSRM2/CSSRM3  
FWHM / FWTM Asymmetric  
Efficiency 92 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**PHILIPS**

LED Fortimo FastFlex LED 2x8 DA (U)HE  
FWHM / FWTM Asymmetric  
Efficiency 82 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

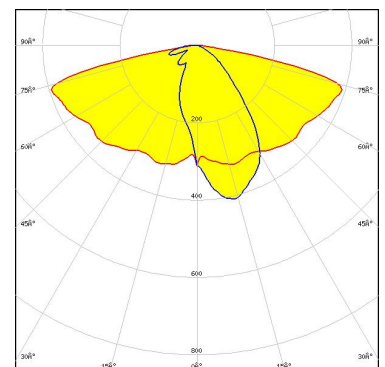


Protective plate, glass

Light distribution files

**PHILIPS**

LED Fortimo FastFlex LED 2x8 DA (U)HE  
FWHM / FWTM Asymmetric  
Efficiency 96 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

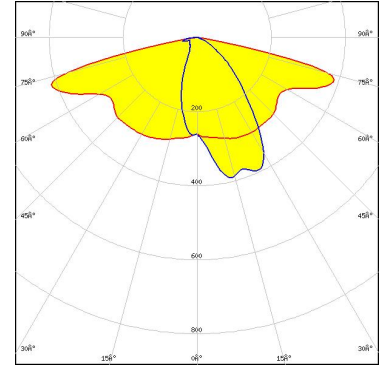
#### OPTICAL RESULTS (SIMULATED):

### PHILIPS

LED	Fortimo FastFlex LED 2x8 DA G5
FWHM / FWTM	Asymmetric
Efficiency	84 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Protective plate, glass

Light distribution files

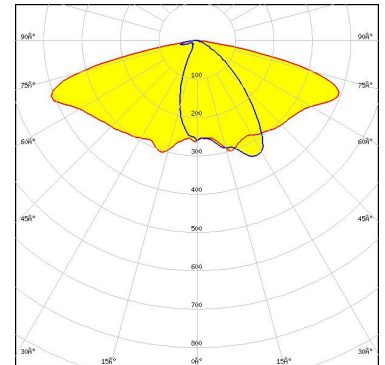


### SAMSUNG

LED	LH351B
FWHM / FWTM	Asymmetric
Efficiency	84 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Protective plate, glass

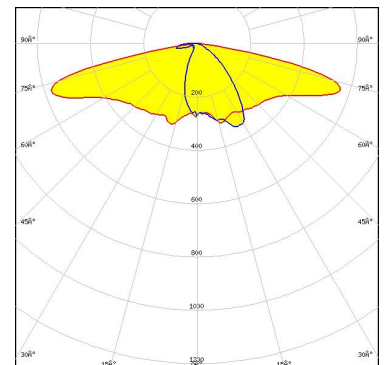
Light distribution files



### SAMSUNG

LED	LH351B
FWHM / FWTM	Asymmetric
Efficiency	95 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files



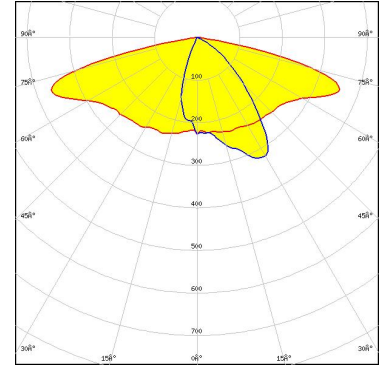
#### OPTICAL RESULTS (SIMULATED):

### SAMSUNG

LED LH351C  
 FWHM / FWTM Asymmetric  
 Efficiency 71 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C17677\_STRADA-2X2-SHD-BLK

Protective plate, glass

Light distribution files

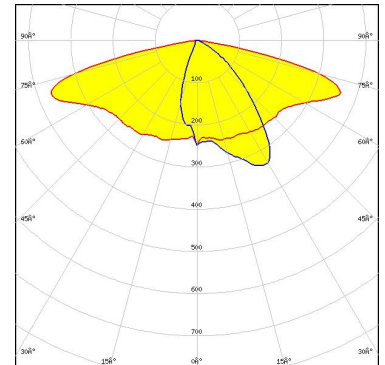


### SAMSUNG

LED LH351C  
 FWHM / FWTM Asymmetric  
 Efficiency 75 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C17580\_STRADA-2X2-SHD-WHT

Protective plate, glass

Light distribution files

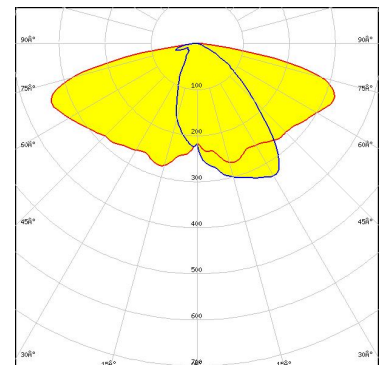


### SAMSUNG

LED LH351D  
 FWHM / FWTM Asymmetric  
 Efficiency 83 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

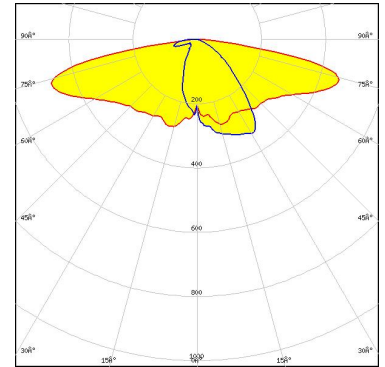
Light distribution files



#### OPTICAL RESULTS (SIMULATED):

### SAMSUNG

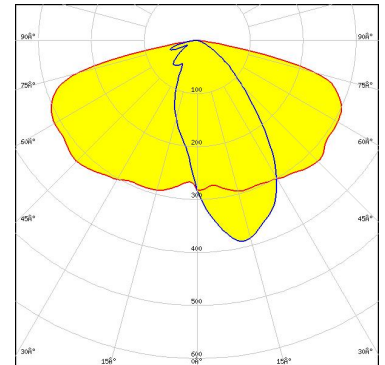
LED LH351D  
 FWHM / FWTM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

### SAMSUNG

LED LH502C  
 FWHM / FWTM Asymmetric  
 Efficiency 82 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

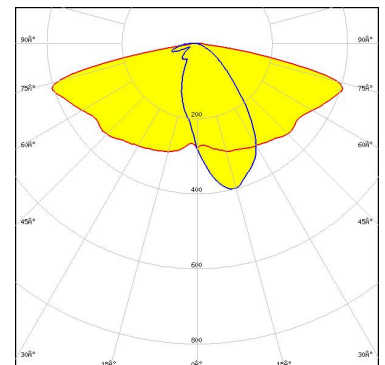


Light distribution files

Protective plate, glass

### SAMSUNG

LED LH502D  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



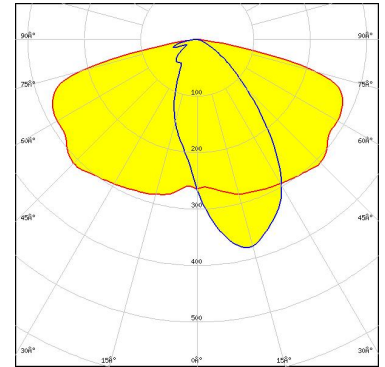
Light distribution files

#### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

LED LH502D  
 FWHM / FWTM Asymmetric  
 Efficiency 80 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

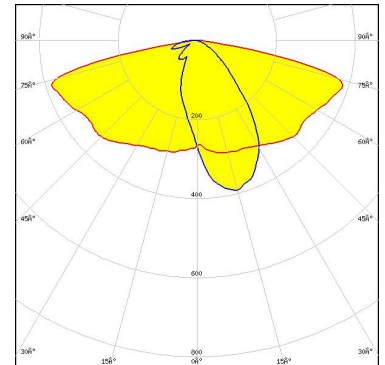
Protective plate, glass



Light distribution files



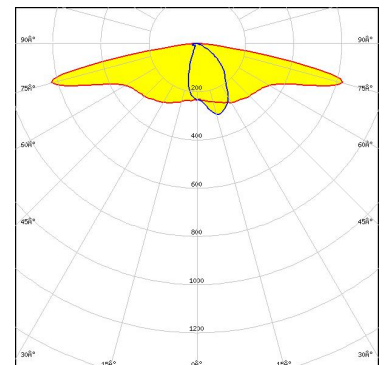
LED MJT 5050  
 FWHM / FWTM Asymmetric  
 Efficiency 92 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED SEOUL DC 3030C  
 FWHM / FWTM Asymmetric  
 Efficiency 89 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



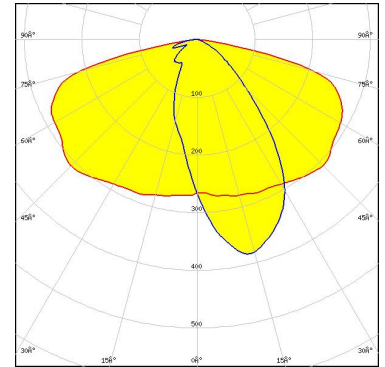
#### OPTICAL RESULTS (SIMULATED):



LED: SEOUL DC 5050 6V  
 FWHM / FWTM: Asymmetric  
 Efficiency: 80 %  
 Peak intensity: 0.4 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:

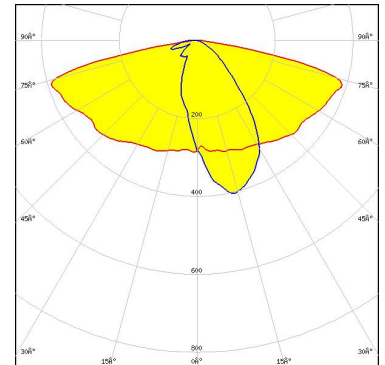
Protective plate, glass

Light distribution files



LED: SEOUL DC 5050 6V  
 FWHM / FWTM: Asymmetric  
 Efficiency: 92 %  
 Peak intensity: 0.5 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:

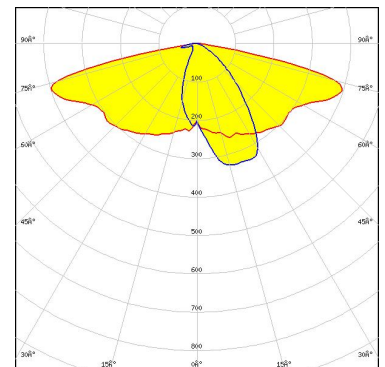
Light distribution files



LED: Z5M3  
 FWHM / FWTM: Asymmetric  
 Efficiency: 80 %  
 Peak intensity: 0.6 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:

Protective plate, glass

Light distribution files

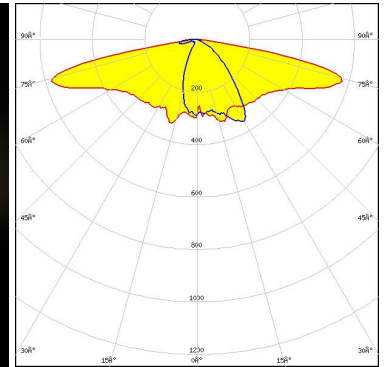
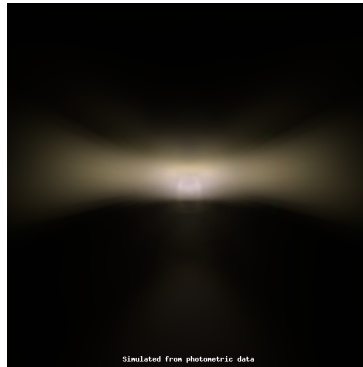




#### OPTICAL RESULTS (SIMULATED):



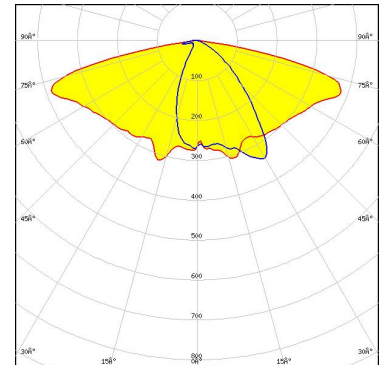
LED Z5M3-E1  
 FWHM / FWTM Asymmetric  
 Efficiency 95 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED Z5M3-E1  
 FWHM / FWTM Asymmetric  
 Efficiency 83 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

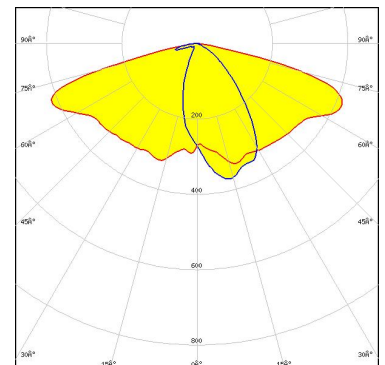


Protective plate, glass

Light distribution files



LED Z5M4  
 FWHM / FWTM Asymmetric  
 Efficiency 85 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



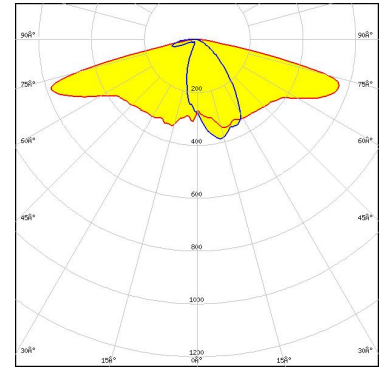
Protective plate, glass

Light distribution files

#### OPTICAL RESULTS (SIMULATED):



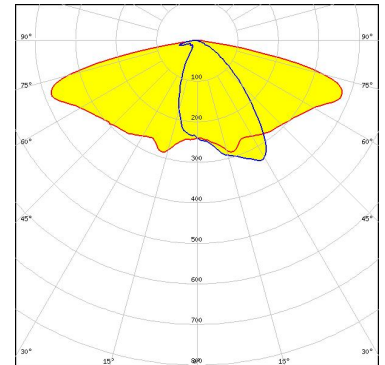
LED Z5M4  
 FWHM / FWTM Asymmetric  
 Efficiency 96 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED Z5M4-E1  
 FWHM / FWTM Asymmetric  
 Efficiency 82 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

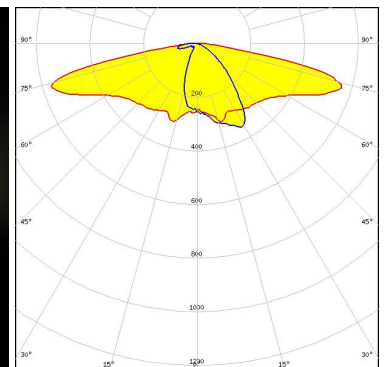


Light distribution files

Protective plate, glass



LED Z5M4-E1  
 FWHM / FWTM Asymmetric  
 Efficiency 96 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

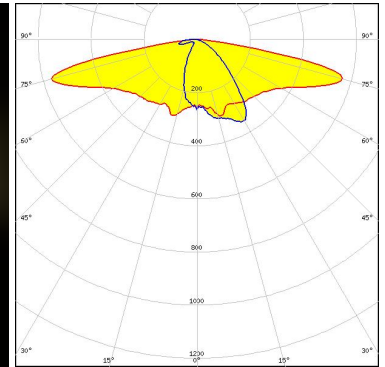
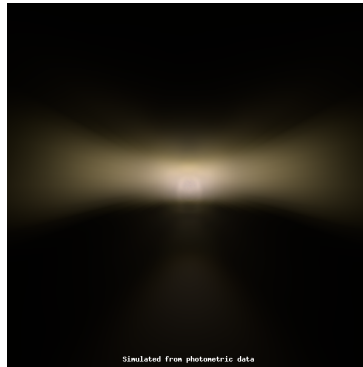


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



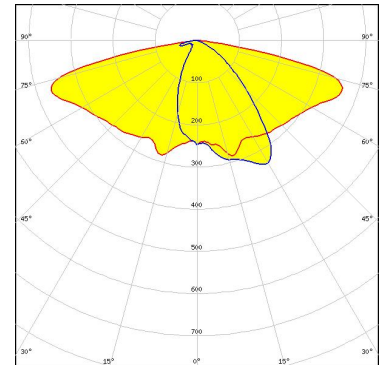
LED Z5M4-E2  
 FWHM / FWTM Asymmetric  
 Efficiency 96 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED Z5M4-E2  
 FWHM / FWTM Asymmetric  
 Efficiency 82 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

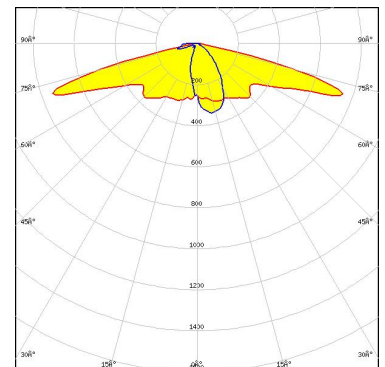


Protective plate, glass

Light distribution files



LED Z8Y22  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

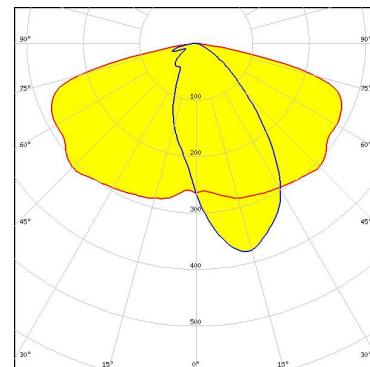
### OPTICAL RESULTS (SIMULATED):

#### TRIDONIC

LED	RLE 2x8 6000lm HP HE EXC3 OTD
FWHM / FWTM	Asymmetric
Efficiency	80 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Protective plate, glass

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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#### LEDiL Oy

Joensuunkatu 7  
FI-24100 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B  
Casic Motor Building  
Shenzhen 518057  
P.R.CHINA

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