

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 ⓘ

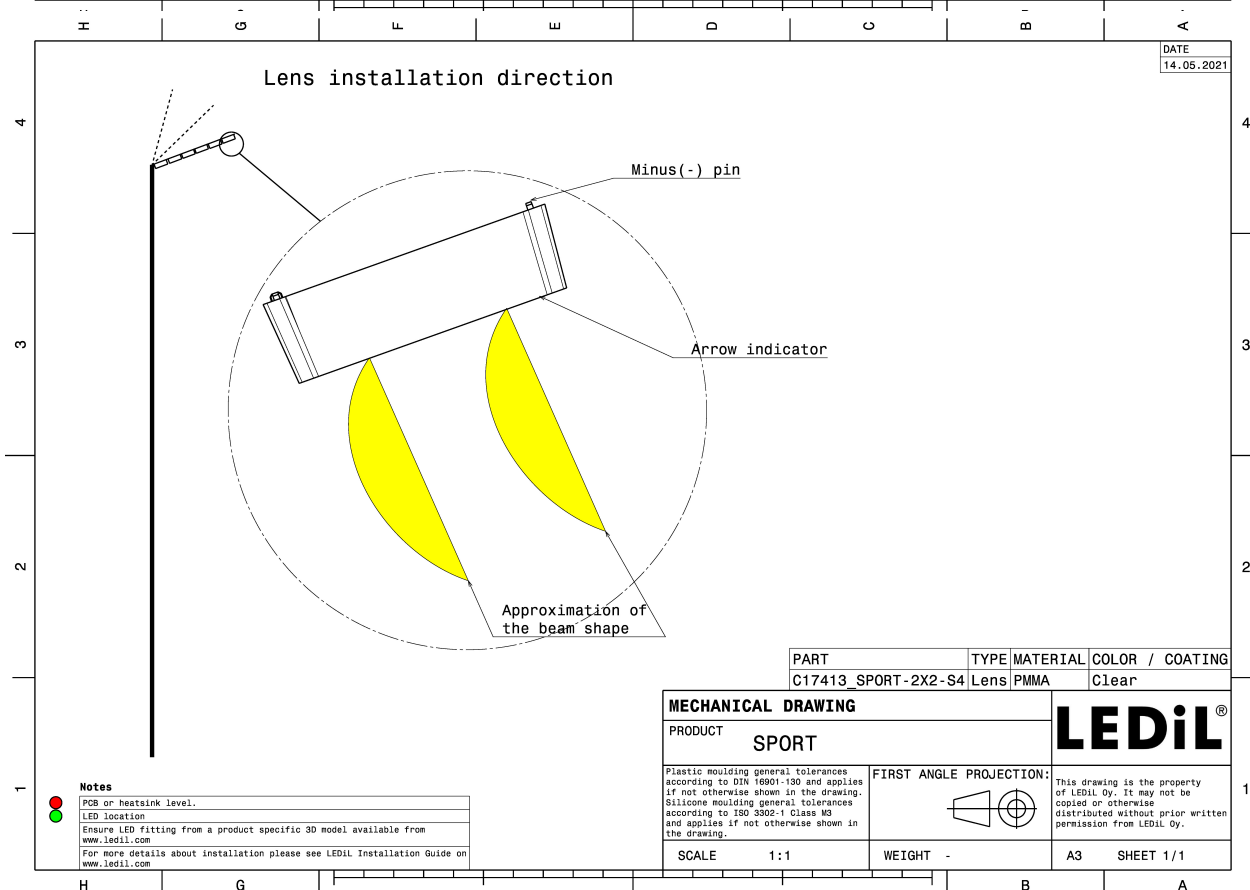


MATERIALS:

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

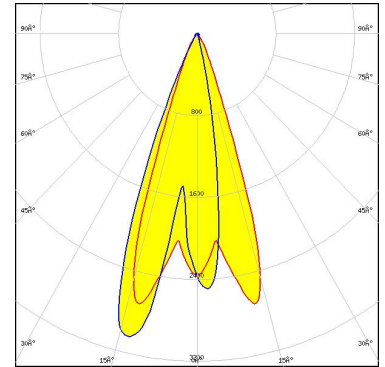


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OPTICAL RESULTS (MEASURED):



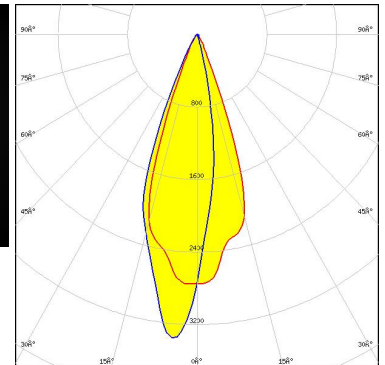
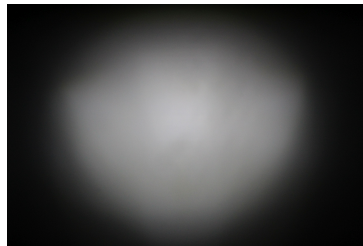
LED XP-G4
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 4.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



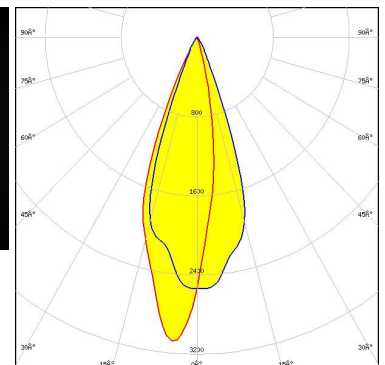
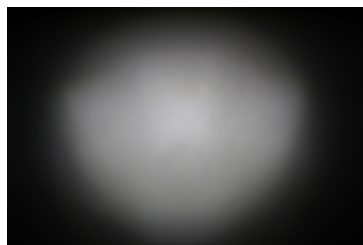
LED NV4WB35AM
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



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:



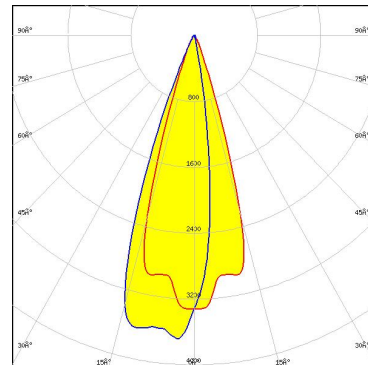
Protective plate, glass

Light distribution files

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

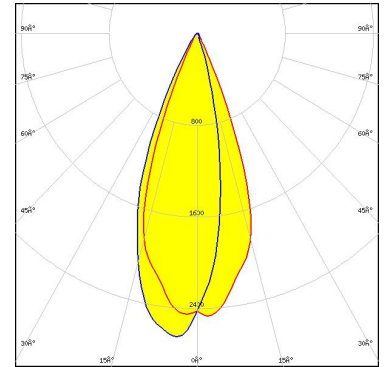
OPTICAL RESULTS (SIMULATED):



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:

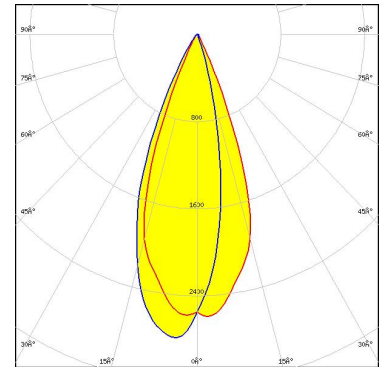
Protective plate, glass

Light distribution files



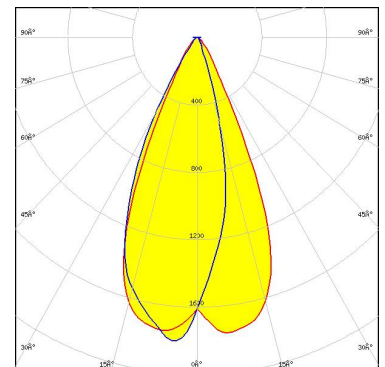
LED J Series 5050 6V P Class
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 2.8 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files



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

Light distribution files



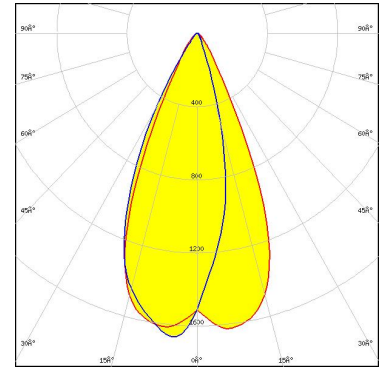
OPTICAL RESULTS (SIMULATED):



LED XHP35.2 HD
FWHM / FWTM Asymmetric
Efficiency 88 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

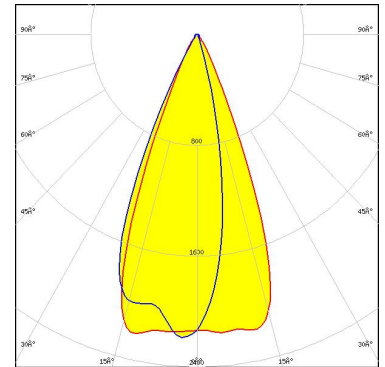
Protective plate, glass

Light distribution files



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:

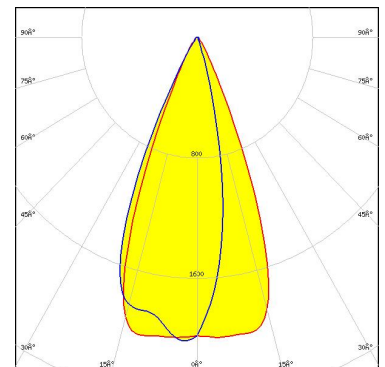
Light distribution files



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:

Protective plate, glass

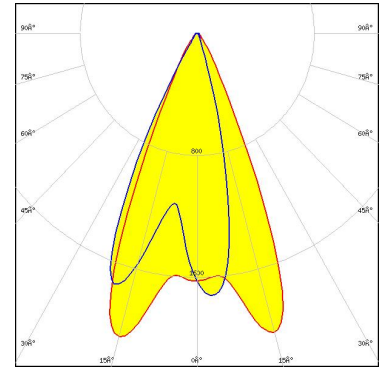
Light distribution files



OPTICAL RESULTS (SIMULATED):



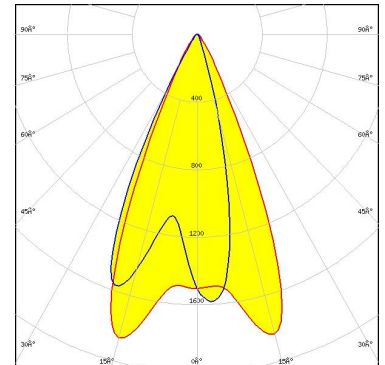
LED XM-L3
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 2.4 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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

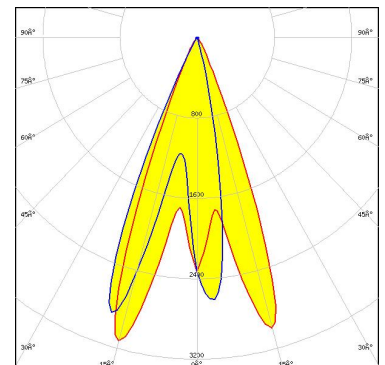


Light distribution files

Protective plate, glass



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



Light distribution files

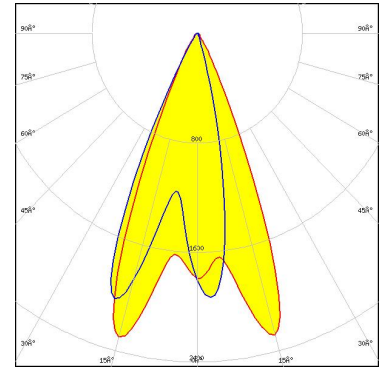
OPTICAL RESULTS (SIMULATED):



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

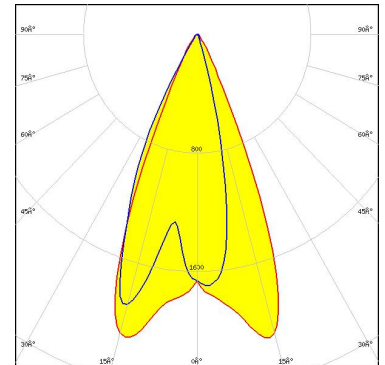
Light distribution files



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:

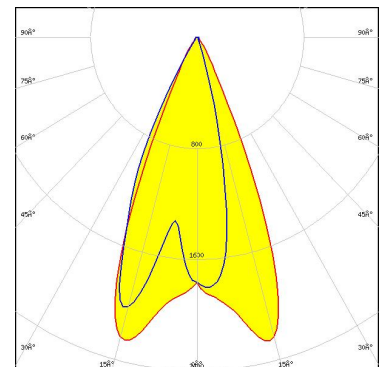
Protective plate, glass

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:

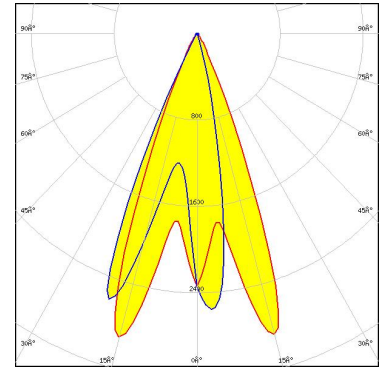
Light distribution files



OPTICAL RESULTS (SIMULATED):



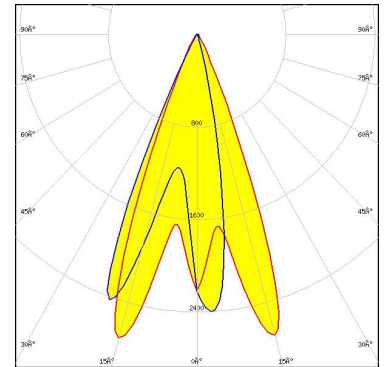
LED XP-L HI
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 3.8 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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

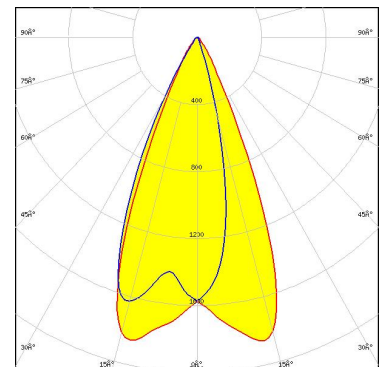


Light distribution files

Protective plate, glass



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



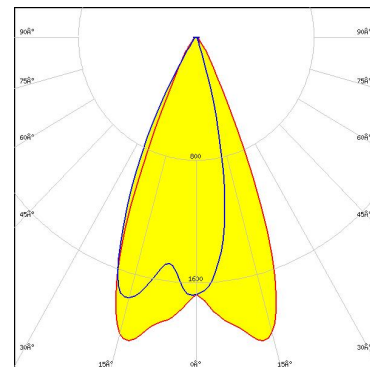
Light distribution files

Protective plate, glass

OPTICAL RESULTS (SIMULATED):



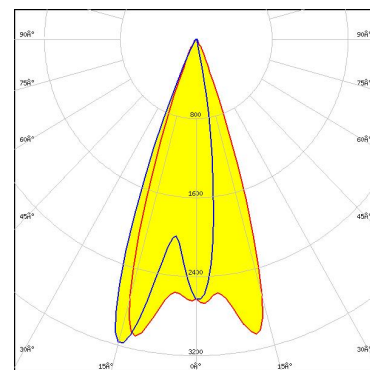
LED XP-L2
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



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:

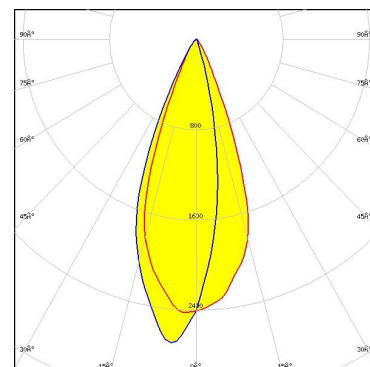


Light distribution files

Protective plate, glass



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

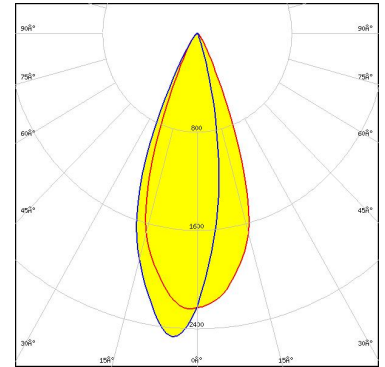
OPTICAL RESULTS (SIMULATED):



LED LUXEON 5050 HE
 FWHM / FWTM Asymmetric
 Efficiency 89 %
 Peak intensity 2.5 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:

Protective plate, glass

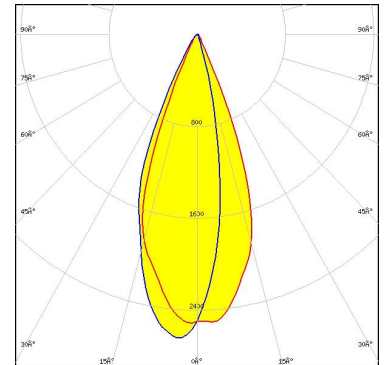
Light distribution files



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

Protective plate, glass

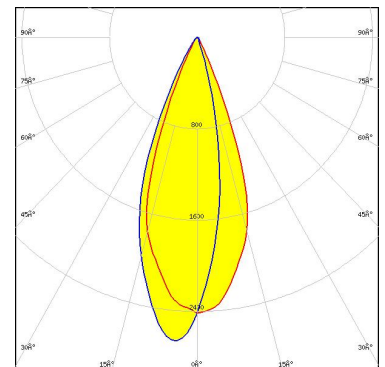
Light distribution files



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

Protective plate, glass

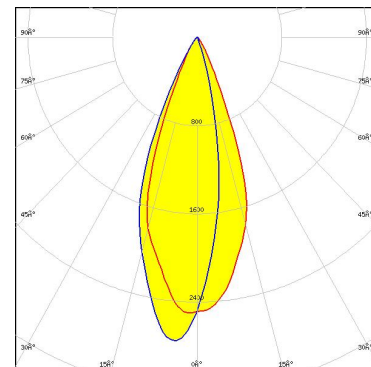
Light distribution files



OPTICAL RESULTS (SIMULATED):



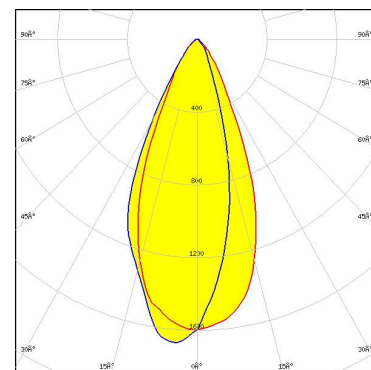
LED LUXEON 5050 Square LES
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 2.8 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



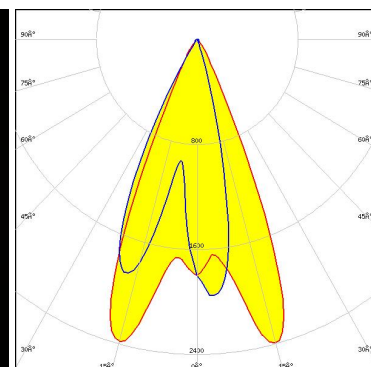
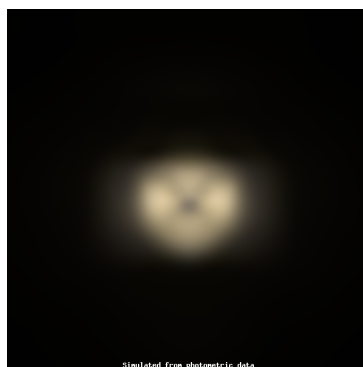
LED LUXEON 7070
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 1.7 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON HL2X-E
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 2.9 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

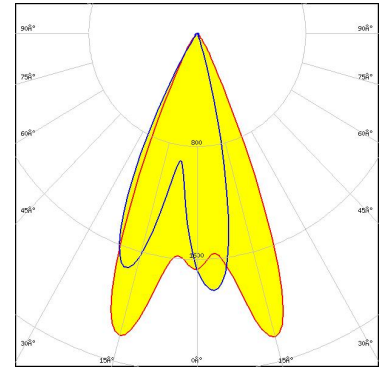
OPTICAL RESULTS (SIMULATED):



LED LUXEON HL2X-E
 FWHM / FWTM Asymmetric
 Efficiency 91 %
 Peak intensity 2.7 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:

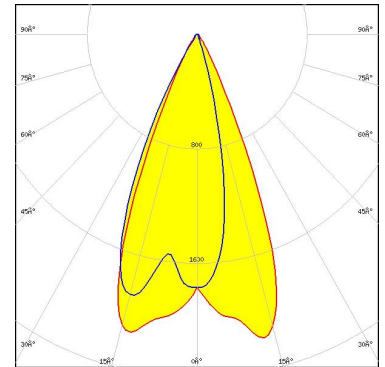
Protective plate, glass

Light distribution files



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

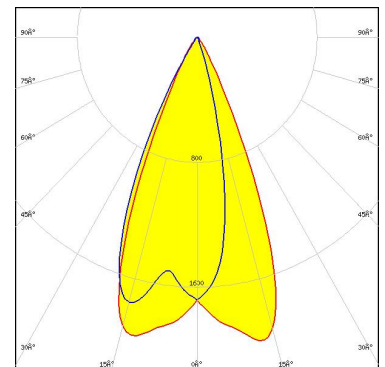
Light distribution files



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

Protective plate, glass

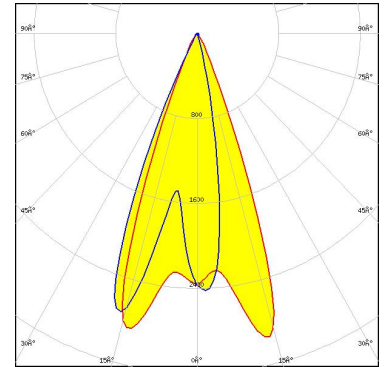
Light distribution files



OPTICAL RESULTS (SIMULATED):



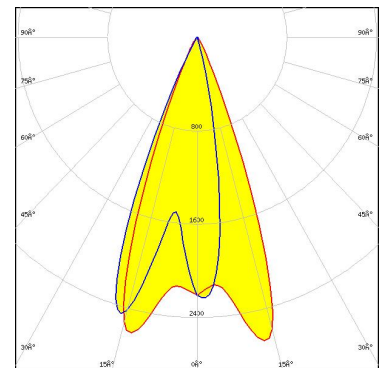
LED LUXEON HL4Z
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 3.8 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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

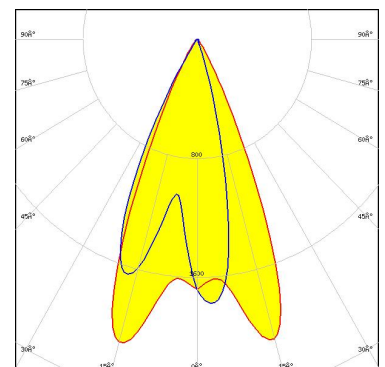


Light distribution files

Protective plate, glass



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



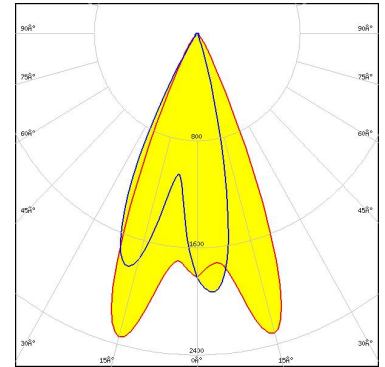
Light distribution files

Protective plate, glass

OPTICAL RESULTS (SIMULATED):



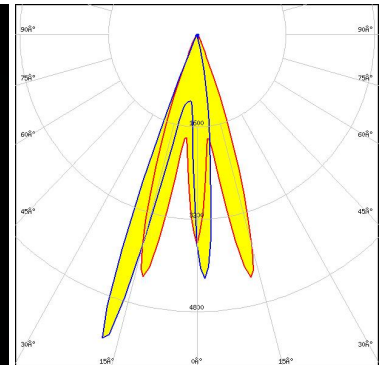
LED	LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



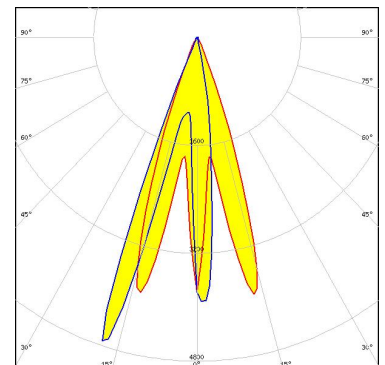
LED	SFT-12R-W-A
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	6.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



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:	



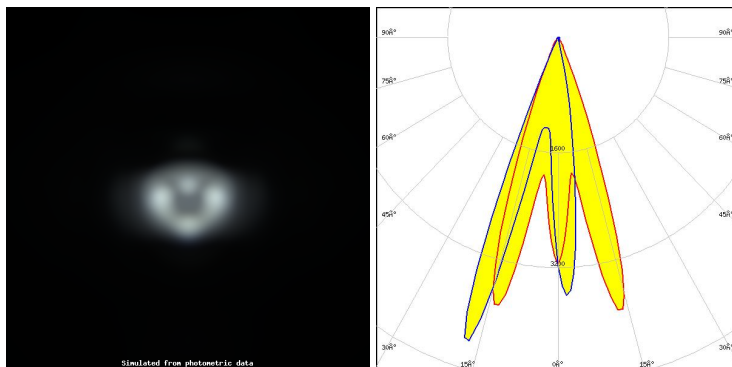
Protective plate, glass

Light distribution files

OPTICAL RESULTS (SIMULATED):



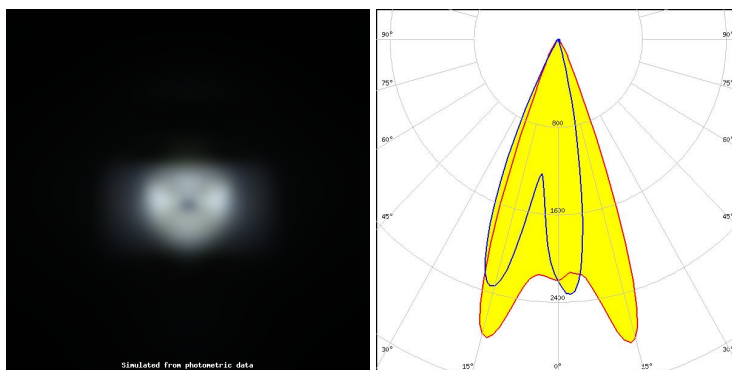
LED SFT-25R-W-A
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 5.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



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:

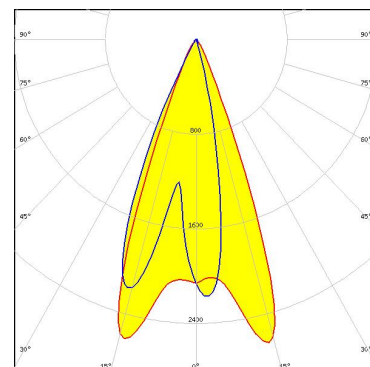


Light distribution files



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

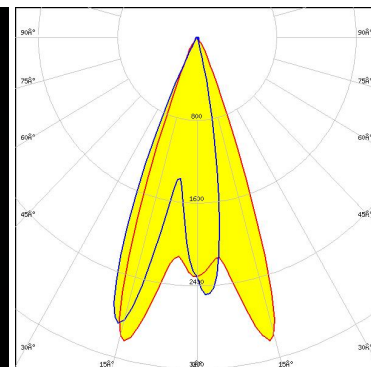
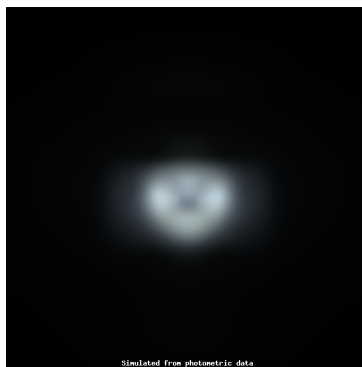


Light distribution files

OPTICAL RESULTS (SIMULATED):



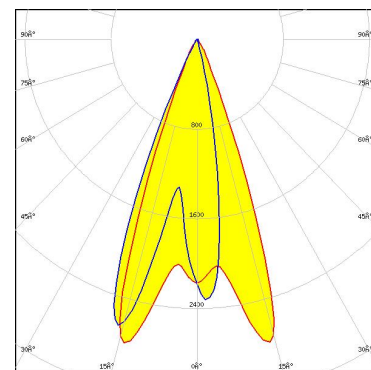
LED SST-25-W
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 3.9 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



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

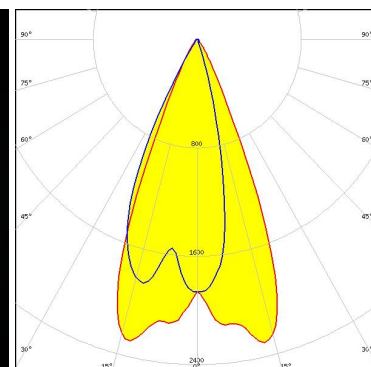
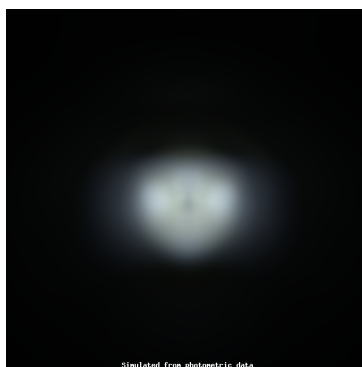


Protective plate, glass

Light distribution files



LED SST-36F-W
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 2.6 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

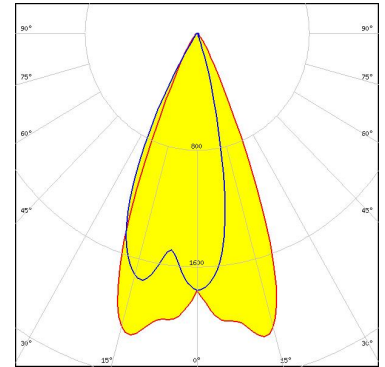
OPTICAL RESULTS (SIMULATED):



LED SST-36F-W
FWHM / FWTM Asymmetric
Efficiency 90 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

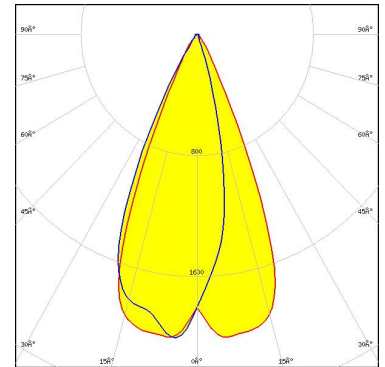
Protective plate, glass

Light distribution files



LED SST-70X-WCS
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

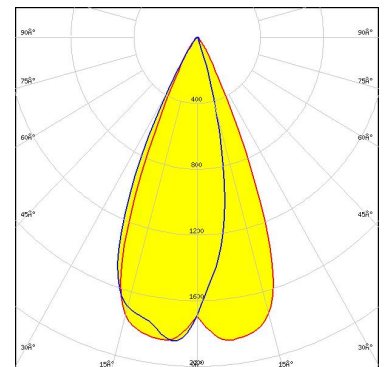
Light distribution files



LED SST-70X-WCS
FWHM / FWTM Asymmetric
Efficiency 89 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass

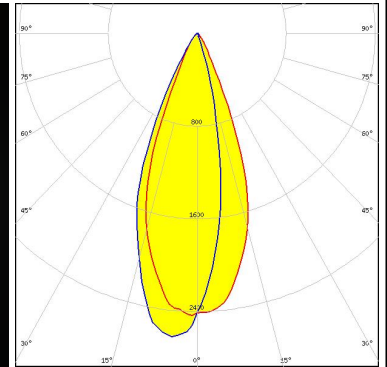
Light distribution files



OPTICAL RESULTS (SIMULATED):



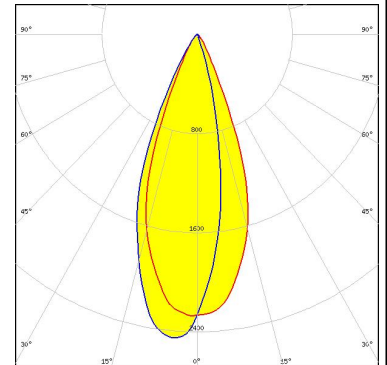
LED NFMW486AM-V2
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 2.6 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NFMW486AM-V2
 FWHM / FWTM Asymmetric
 Efficiency 91 %
 Peak intensity 2.5 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:

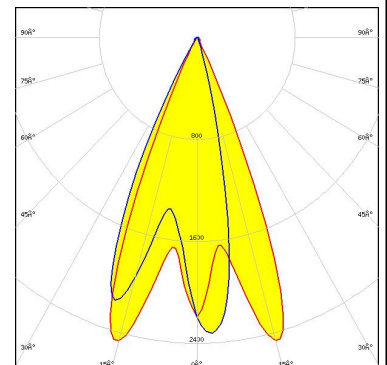


Protective plate, glass

Light distribution files



LED NVSW219F-V2
 FWHM / FWTM Asymmetric
 Efficiency 92 %
 Peak intensity 3.1 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Protective plate, glass

Light distribution files

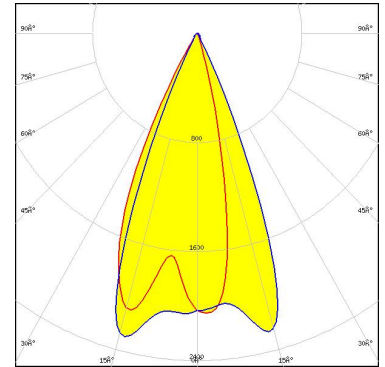
OPTICAL RESULTS (SIMULATED):



LED NVSW3x9A
 FWHM / FWTM Asymmetric
 Efficiency 91 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Protective plate, glass

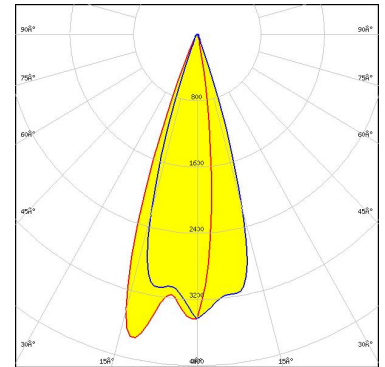
Light distribution files



LED NVSxE21A
 FWHM / FWTM Asymmetric
 Efficiency 89 %
 Peak intensity 4.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

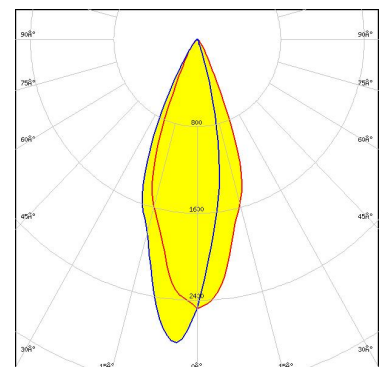
Protective plate, glass

Light distribution files



LED Duris S8
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files

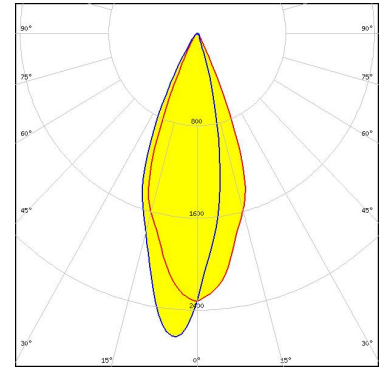


OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED Duris S8
FWHM / FWTM Asymmetric
Efficiency 92 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour/type White
Amount of Blue light (380-500 nm) 0.1 %
Required components:

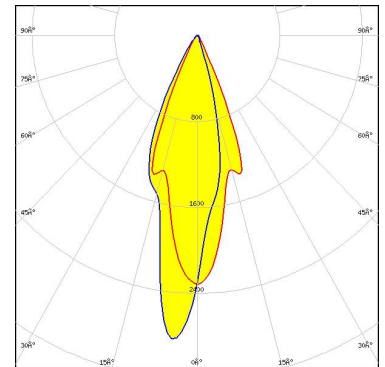
Protective plate, glass



Light distribution files

OSRAM
Opto Semiconductors

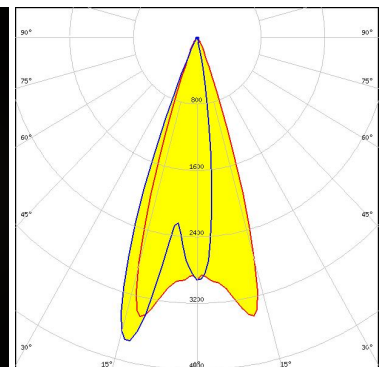
LED OSCONIQ C 2424 Gen1
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 2.9 cd/lm
LEDs/each optic 4
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSCONIQ C 2424 Gen2
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 4.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

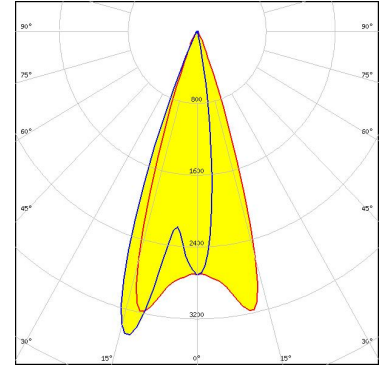
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED OSCONIQ C 2424 Gen2
FWHM / FWTM Asymmetric
Efficiency 90 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass

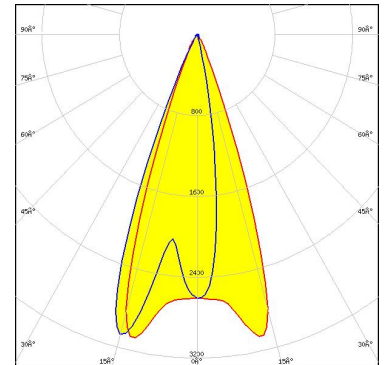
Light distribution files



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

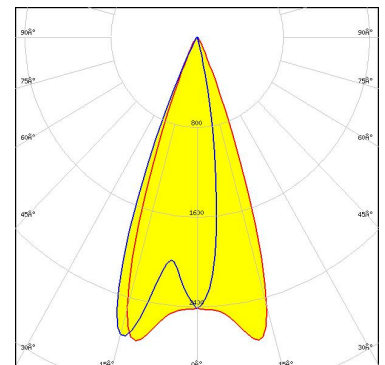


OSRAM
Opto Semiconductors

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



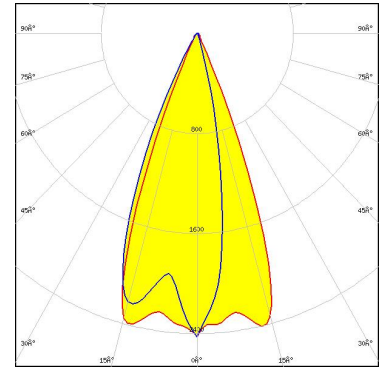
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED OSCONIQ P 3737 (3W) PUSTA1
FWHM / FWTM Asymmetric
Efficiency 92 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass

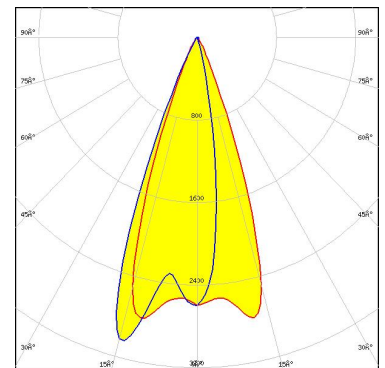
Light distribution files



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

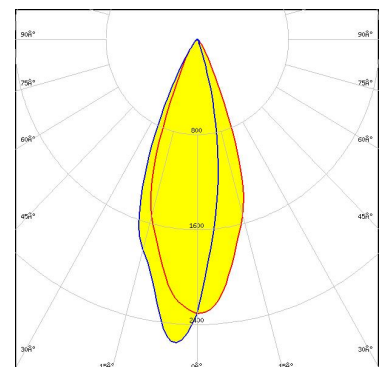


OSRAM
Opto Semiconductors

LED OSCONIQ S 5050 (Q9LR32)
FWHM / FWTM Asymmetric
Efficiency 89 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass

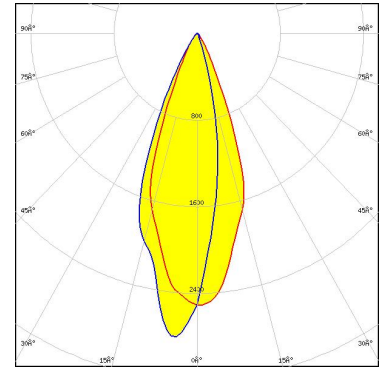
Light distribution files



OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

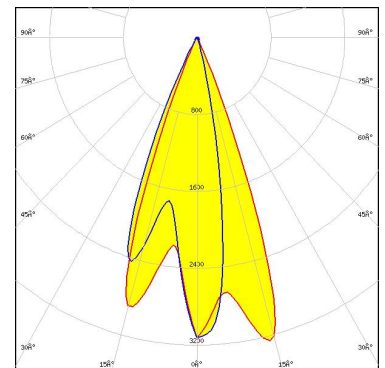
LED OSCONIQ S 5050 (Q9LR32)
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

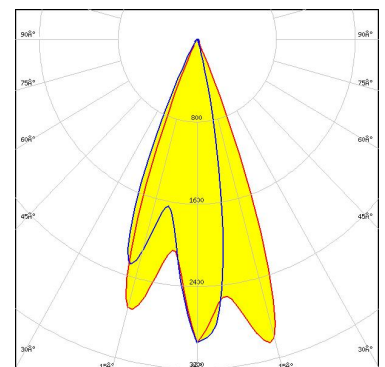
LED OSLOM Square CSSRM2/CSSRM3
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLOM 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

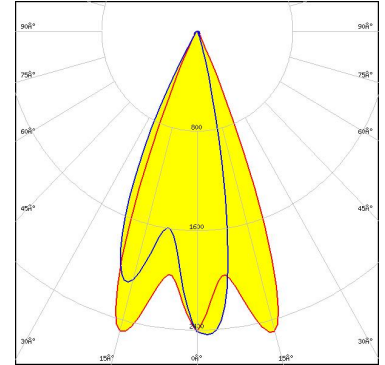
OPTICAL RESULTS (SIMULATED):

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

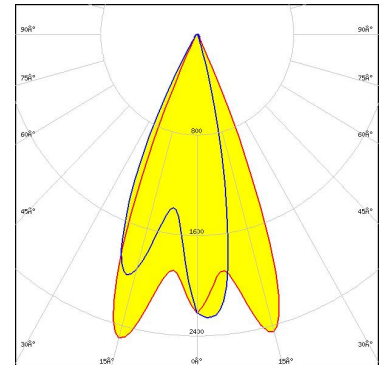


SAMSUNG

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

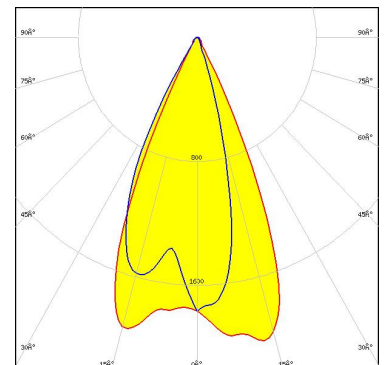


SAMSUNG

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

Protective plate, glass

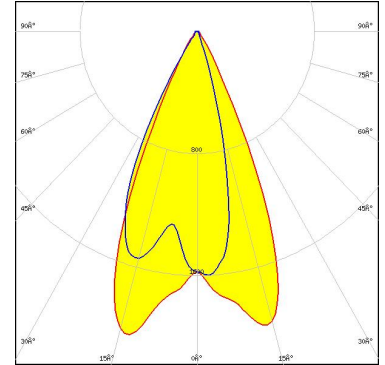
Light distribution files



OPTICAL RESULTS (SIMULATED):

SAMSUNG

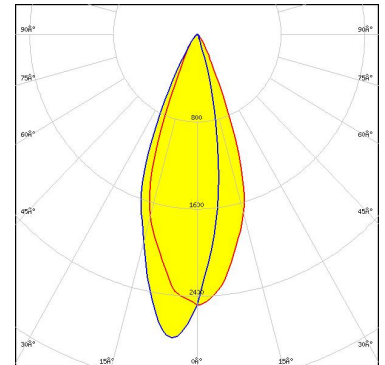
LED LH351D
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

SAMSUNG

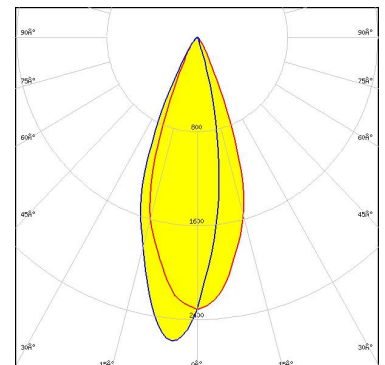
LED LH502C
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

SAMSUNG

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



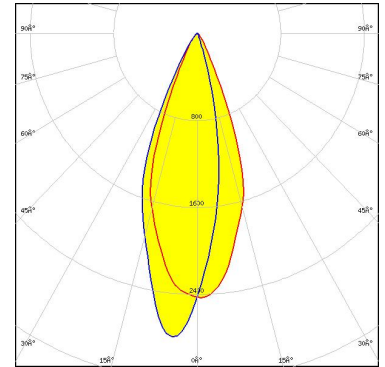
Protective plate, glass

Light distribution files

OPTICAL RESULTS (SIMULATED):



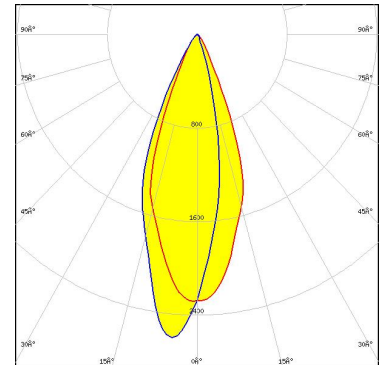
LED: SEOUL DC 5050 6V
 FWHM / FWTM: Asymmetric
 Efficiency: 97 %
 Peak intensity: 2.8 cd/Im
 LEDs/each optic: 1
 Light colour/type: White
 Required components:



Light distribution files



LED: SEOUL DC 5050 6V
 FWHM / FWTM: Asymmetric
 Efficiency: 92 %
 Peak intensity: 2.6 cd/Im
 LEDs/each optic: 1
 Light colour/type: White
 Required components:

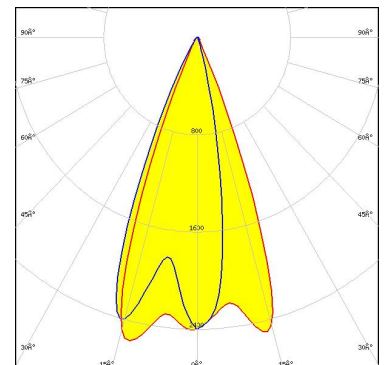


Light distribution files

Protective plate, glass



LED: Z5M3
 FWHM / FWTM: Asymmetric
 Efficiency: 91 %
 Peak intensity: 3.1 cd/Im
 LEDs/each optic: 1
 Light colour/type: White
 Required components:



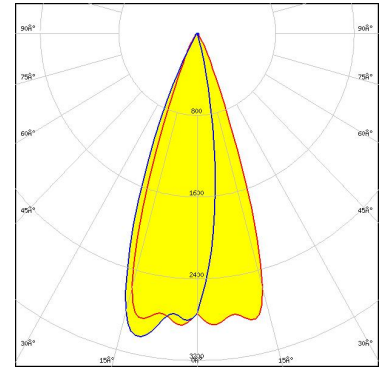
Light distribution files

Protective plate, glass

OPTICAL RESULTS (SIMULATED):



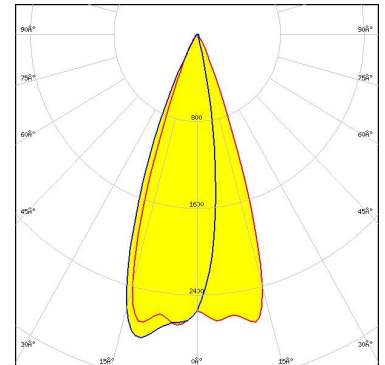
LED Z5M4
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED Z5M4
 FWHM / FWTM Asymmetric
 Efficiency 93 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

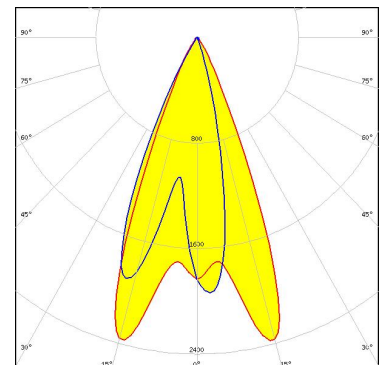


Light distribution files

Protective plate, glass



LED Z5M4-E1
 FWHM / FWTM Asymmetric
 Efficiency 91 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



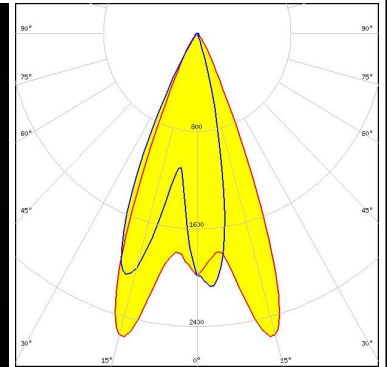
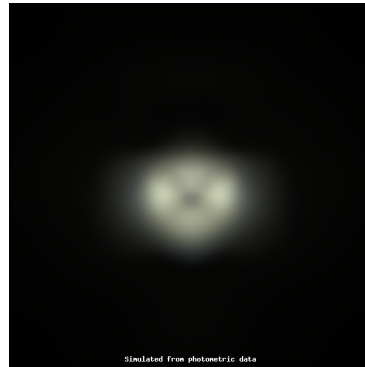
Light distribution files

Protective plate, glass

OPTICAL RESULTS (SIMULATED):



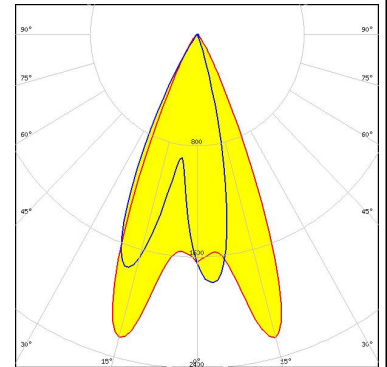
LED Z5M4-E1
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 3.1 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED Z5M4-E2
FWHM / FWTM Asymmetric
Efficiency 91 %
Peak intensity 2.7 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:

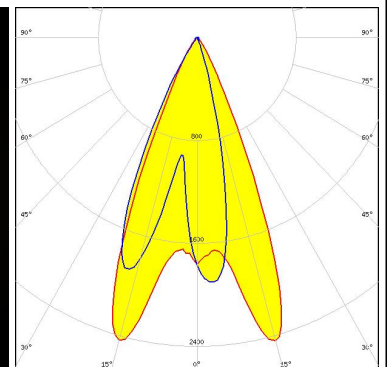
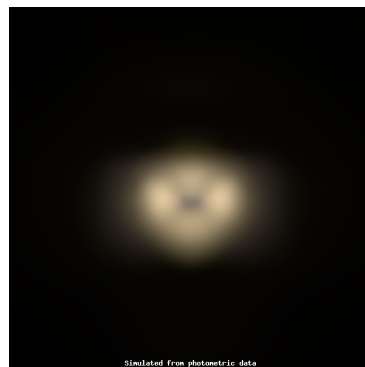


Protective plate, glass

Light distribution files



LED Z5M4-E2
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 2.9 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:

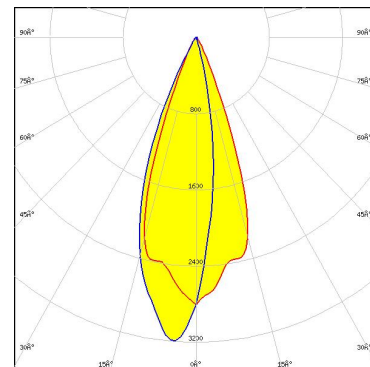


Light distribution files

OPTICAL RESULTS (SIMULATED):



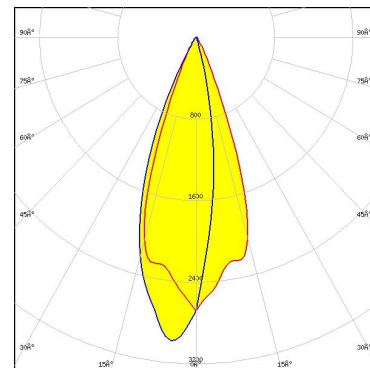
LED Z5M5
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED Z5M5
FWHM / FWTM Asymmetric
Efficiency 92 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

Protective plate, glass

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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