

SPORT-2X2-S4

Slightly asymmetric ~40° spot beam with minimum spill light

SPECIFICATION:

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

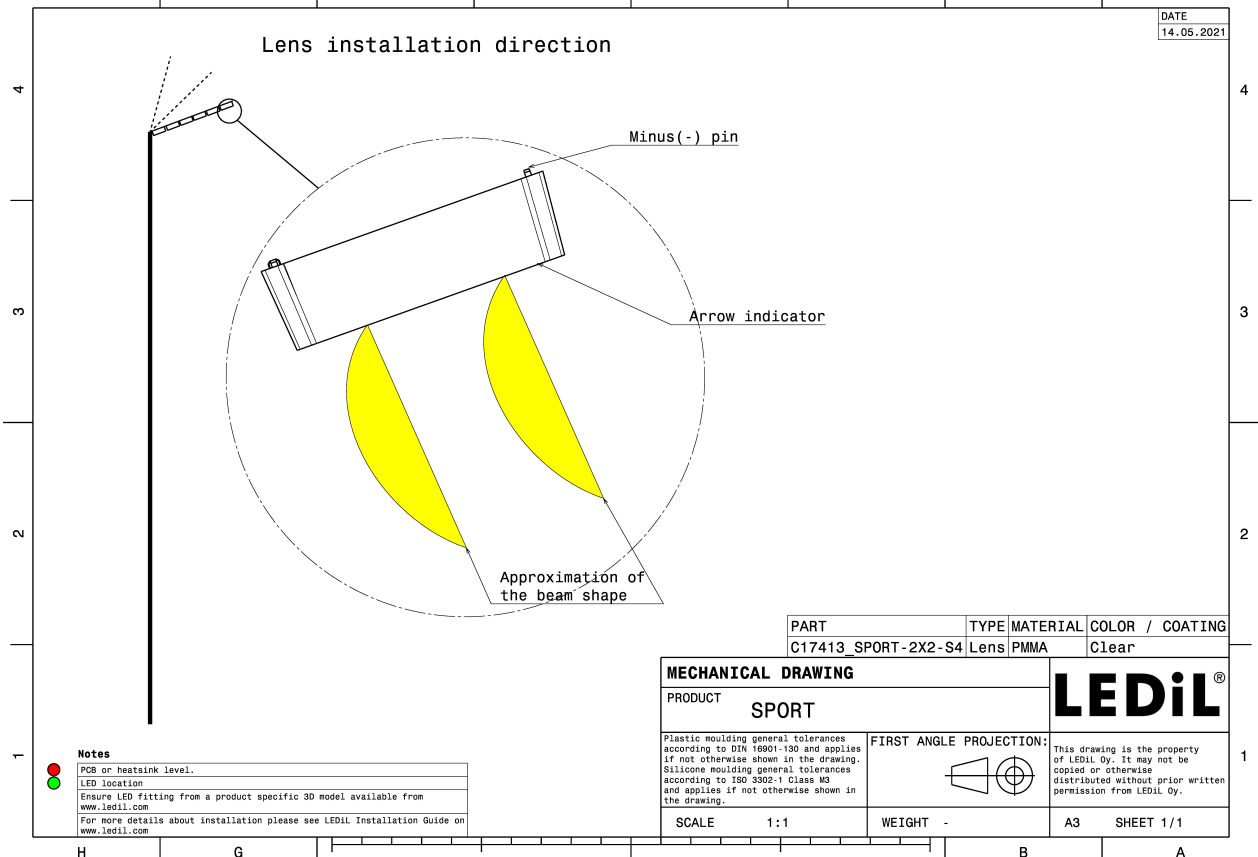
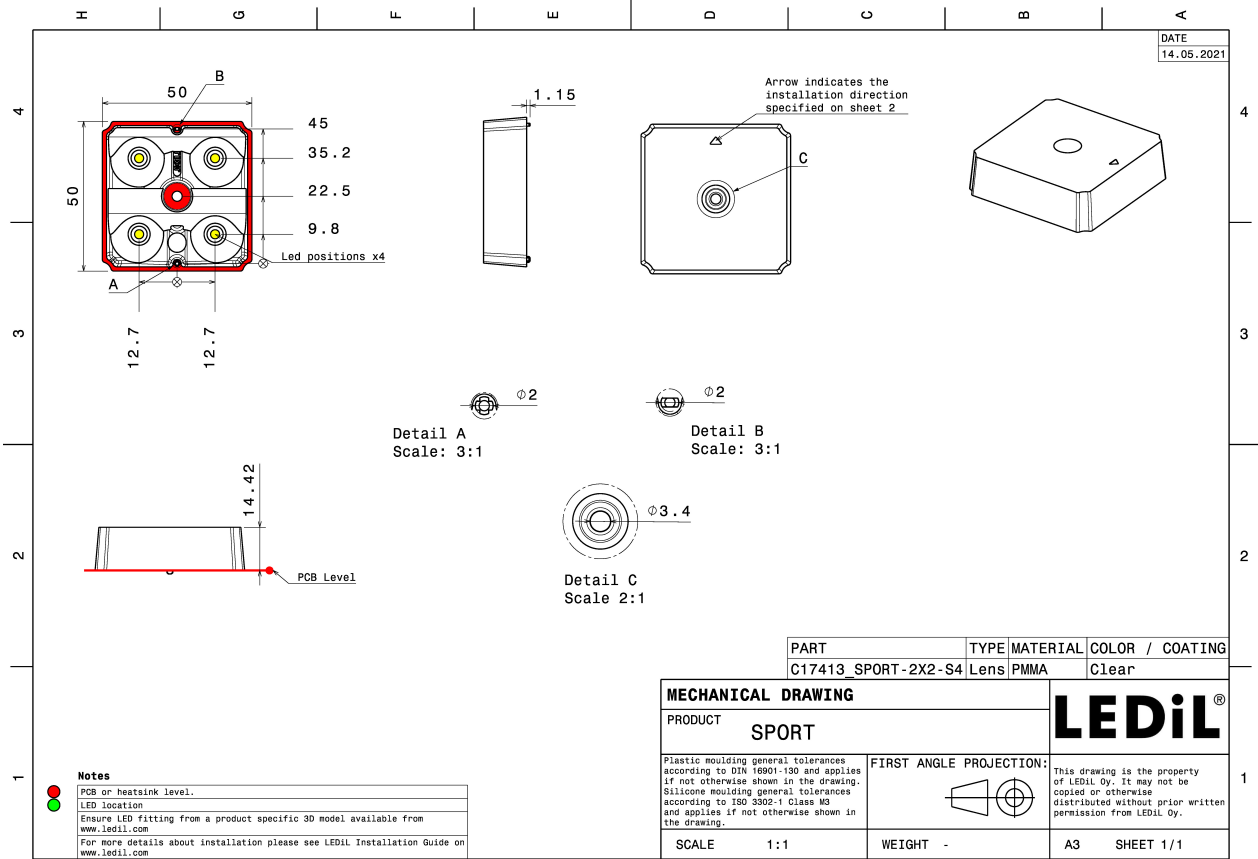


MATERIALS:

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

ORDERING INFORMATION:

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

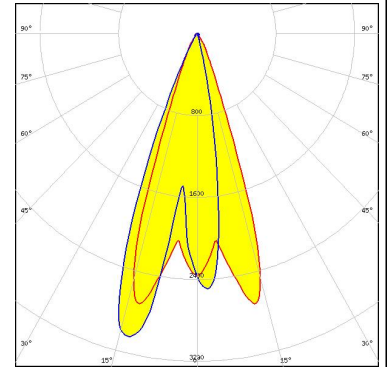


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



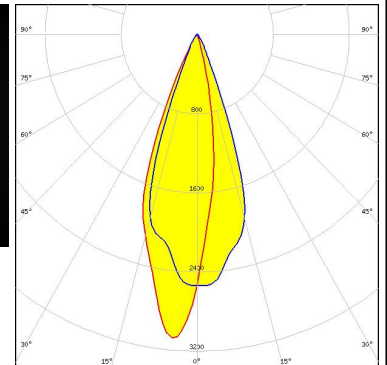
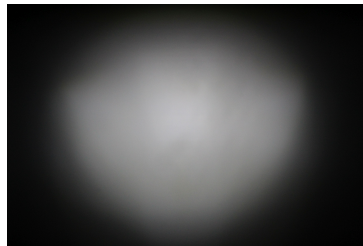
LED XP-G4
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 4.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



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

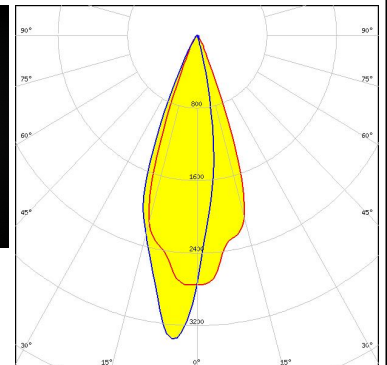
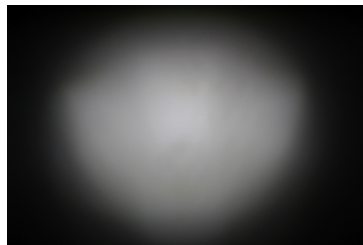


Protective plate, glass

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:

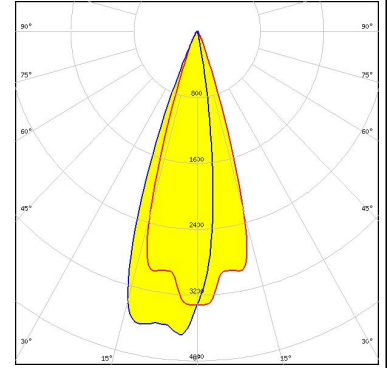


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

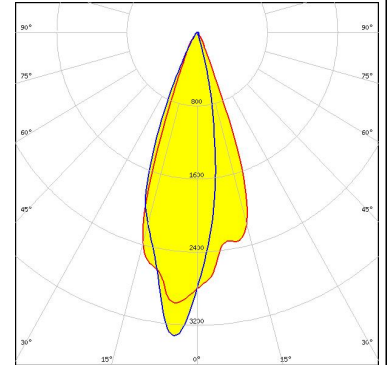
LED OSCONIQ C 3030
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

TEPCOMP
group

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



Light distribution files

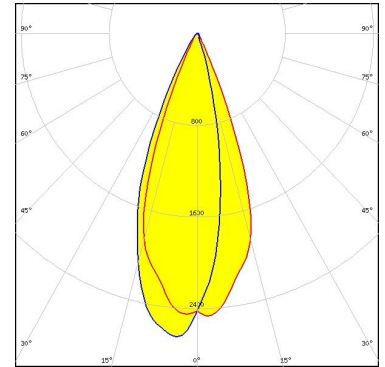
OPTICAL RESULTS (SIMULATED):



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

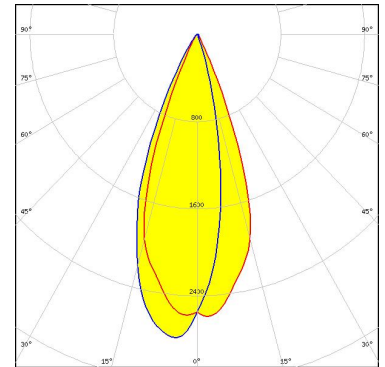
Protective plate, glass

Light distribution files



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

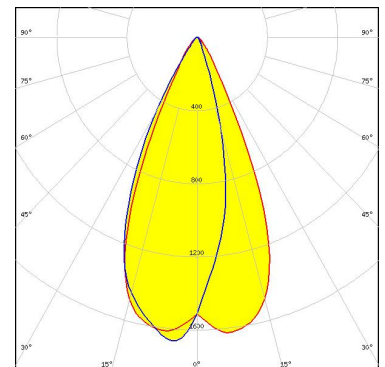
Light distribution files



LED 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

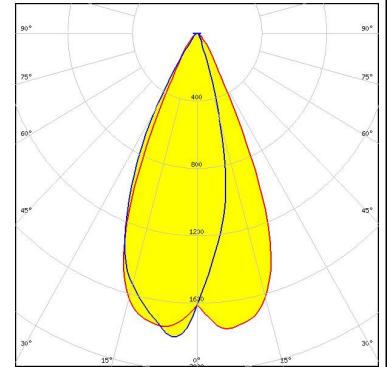
Light distribution files



OPTICAL RESULTS (SIMULATED):



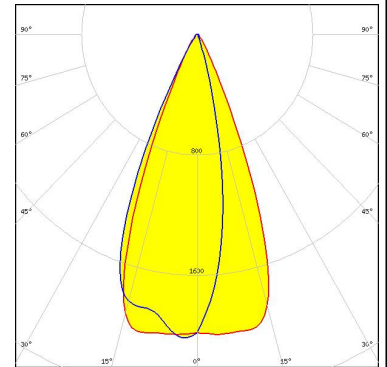
LED XHP35.2 HD
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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

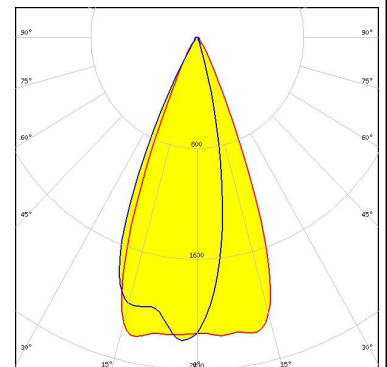


Protective plate, glass

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:

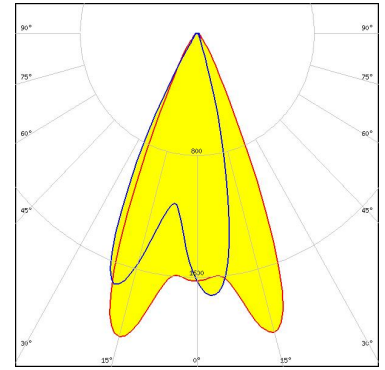


Light distribution files

OPTICAL RESULTS (SIMULATED):



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

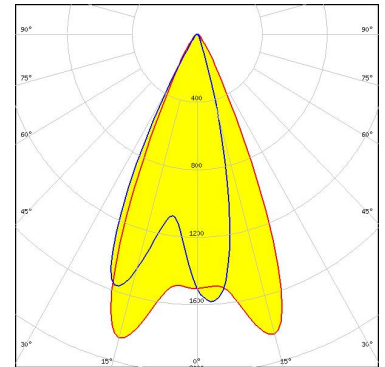


Light distribution files



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

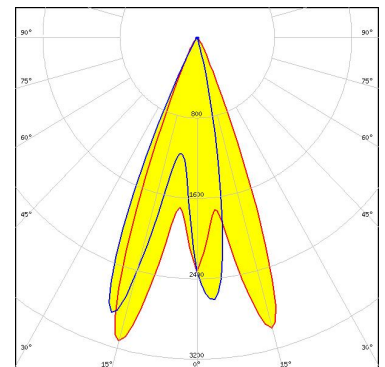
Protective plate, glass



Light distribution files



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



Light distribution files

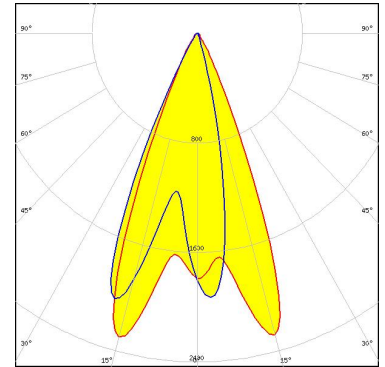
OPTICAL RESULTS (SIMULATED):



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

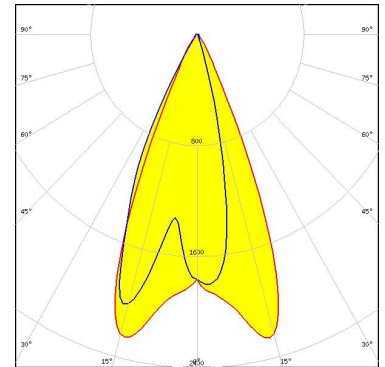
Protective plate, glass

Light distribution files



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

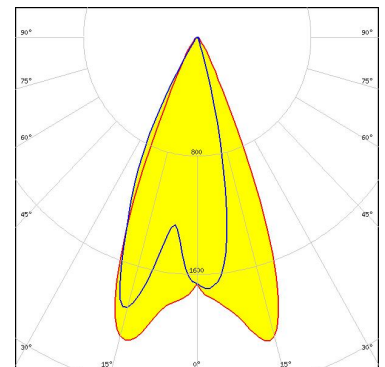
Light distribution files



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



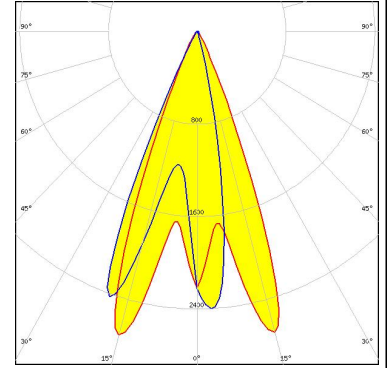
OPTICAL RESULTS (SIMULATED):



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

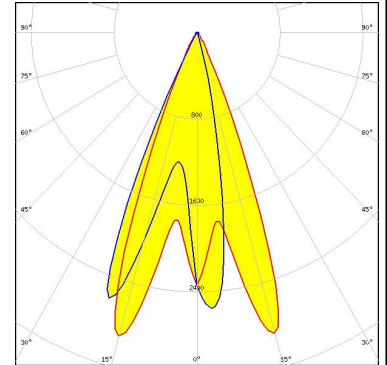
Protective plate, glass

Light distribution files



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

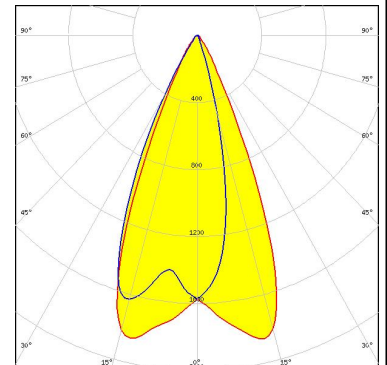
Light distribution files



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

Protective plate, glass

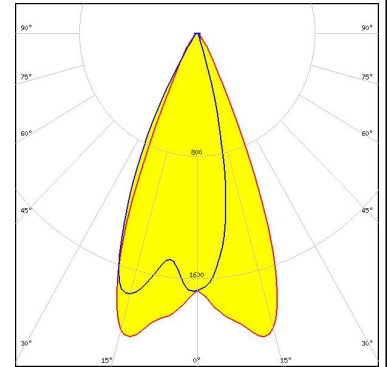
Light distribution files



OPTICAL RESULTS (SIMULATED):



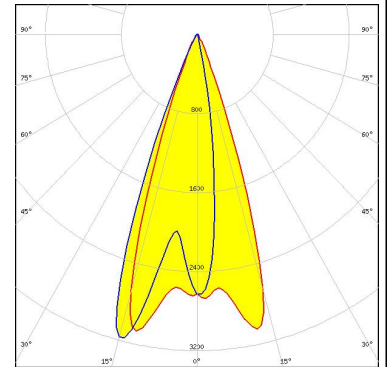
LED XP-L2
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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

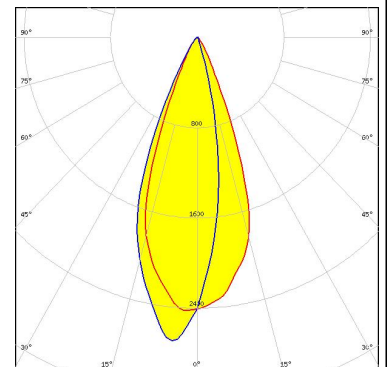


Protective plate, glass

Light distribution files



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



Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMILEDS

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

Protective plate, glass

Light distribution files



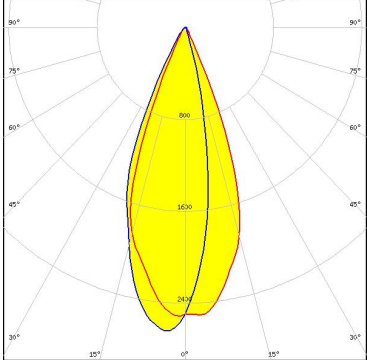
The diagram shows a light distribution pattern for the LUXEON 5050 HE LED. It is a beam-shaped distribution on a circular grid. The grid has radial lines at 15°, 30°, 45°, 60°, 75°, and 90° from the center. Concentric circles represent intensity levels at 2000, 1600, and 1200 cd/m². The beam is centered at 0° and reaches a maximum width of approximately 30° at the 1200 cd/m² level.

LUMILEDS

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

Protective plate, glass

Light distribution files



The diagram shows a light distribution pattern for the LUXEON 5050 Round LES LED. It is a beam-shaped distribution on a circular grid. The grid has radial lines at 15°, 30°, 45°, 60°, 75°, and 90° from the center. Concentric circles represent intensity levels at 2000, 1600, and 1200 cd/m². The beam is centered at 0° and reaches a maximum width of approximately 30° at the 1200 cd/m² level.

LUMILEDS

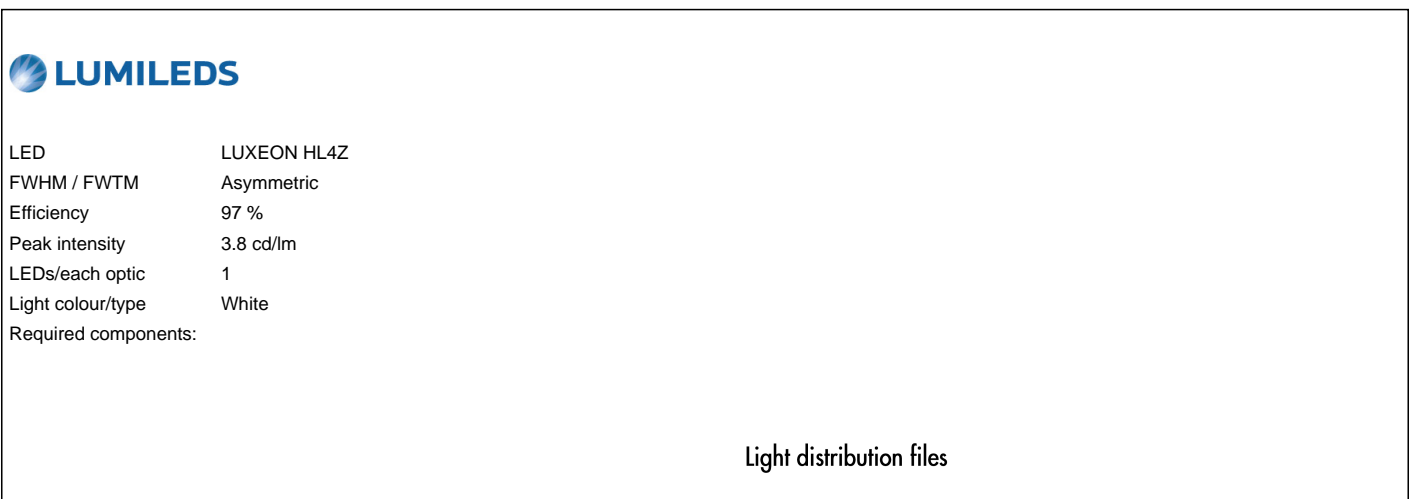
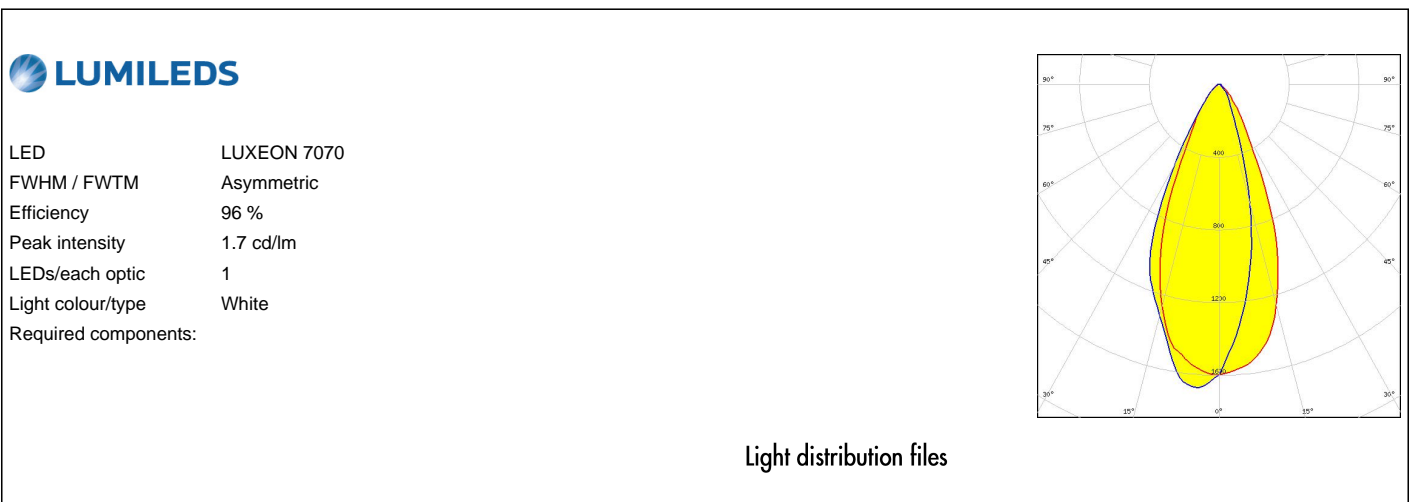
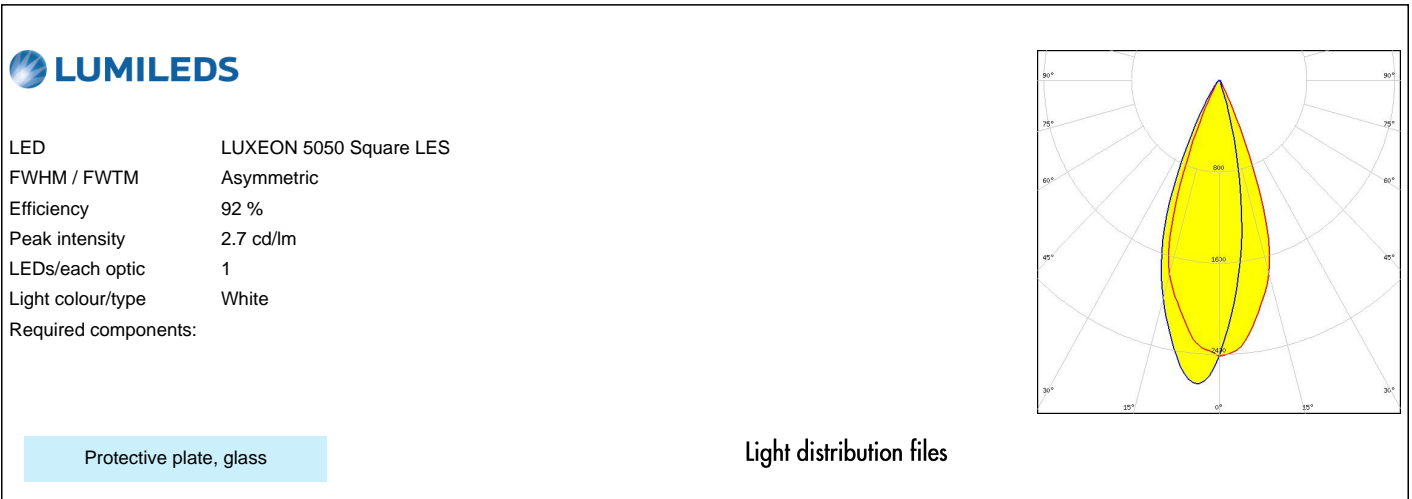
LED	LUXEON 5050 Square LES
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files



The diagram shows a light distribution pattern for the LUXEON 5050 Square LES LED. It is a beam-shaped distribution on a circular grid. The grid has radial lines at 15°, 30°, 45°, 60°, 75°, and 90° from the center. Concentric circles represent intensity levels at 2000, 1600, and 1200 cd/m². The beam is centered at 0° and reaches a maximum width of approximately 30° at the 1200 cd/m² level.

OPTICAL RESULTS (SIMULATED):



OPTICAL RESULTS (SIMULATED):



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

Protective plate, glass

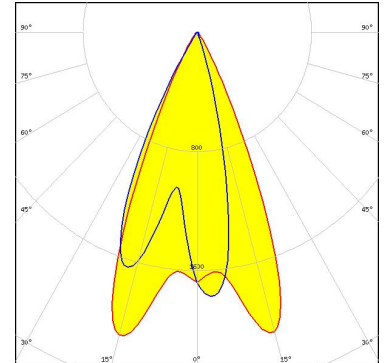
Light distribution files



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

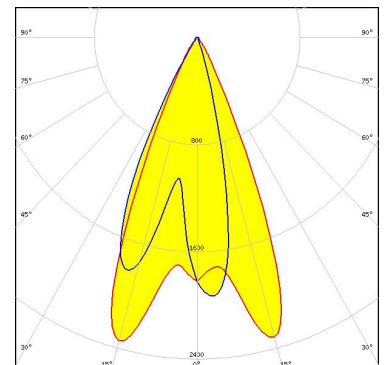
Protective plate, glass

Light distribution files




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

Light distribution files

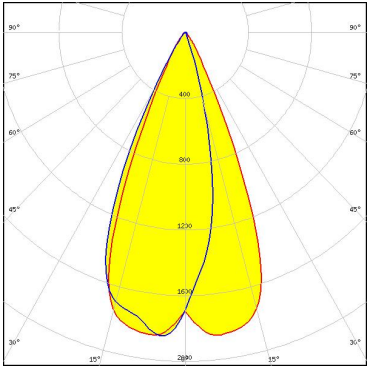


OPTICAL RESULTS (SIMULATED):




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

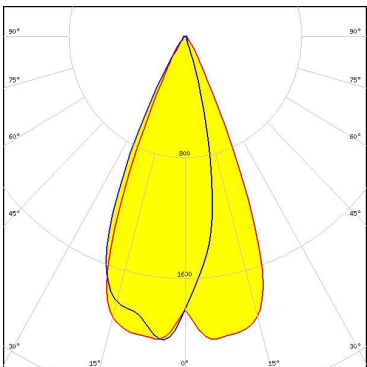
Protective plate, glass




Light distribution files



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:

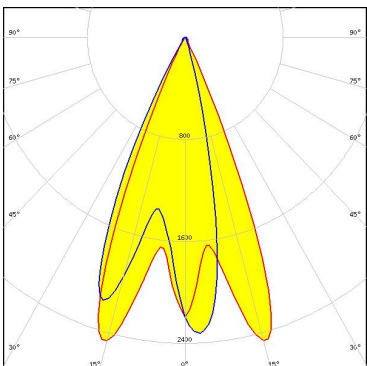


Light distribution files



LED NVSW219F
 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

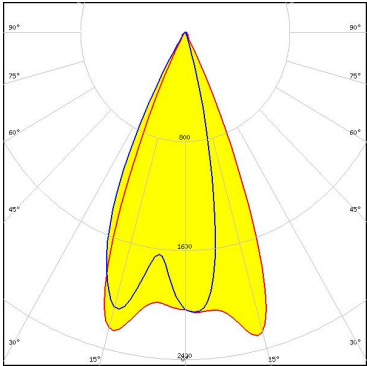
OPTICAL RESULTS (SIMULATED):

NICHIA

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

NICHIA

LED	NVSE21A
FWHM / FWTM	Asymmetric
Efficiency	89 %
Peak intensity	4.1 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

Protective plate, glass



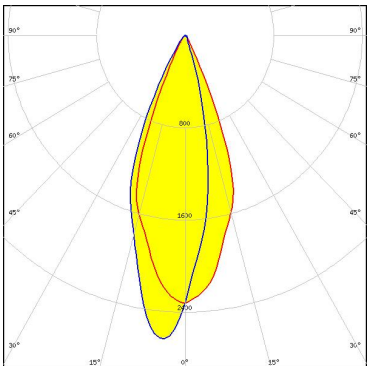
Light distribution files

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

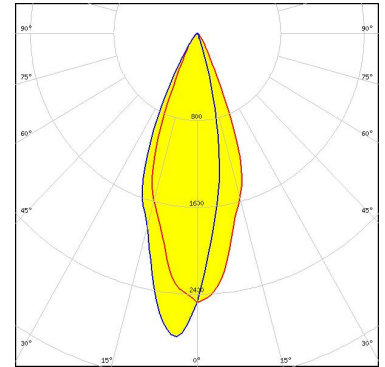


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

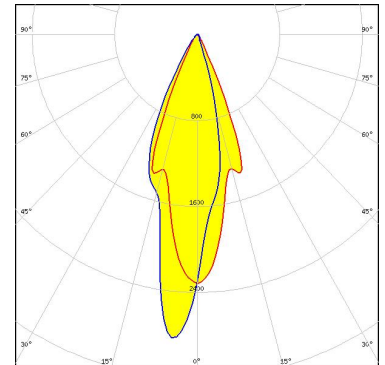
LED Duris S8
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

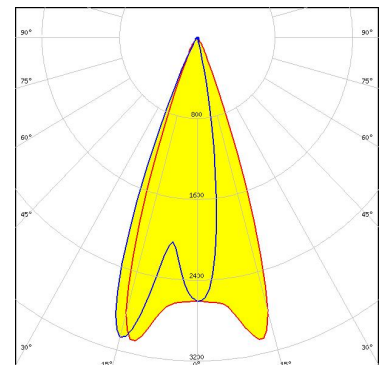
LED OSCONIQ C 2424
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 2.9 cd/lm
LEDs/each optic 4
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

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



Light distribution files

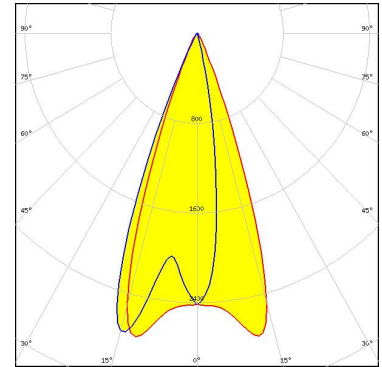
OPTICAL RESULTS (SIMULATED):

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

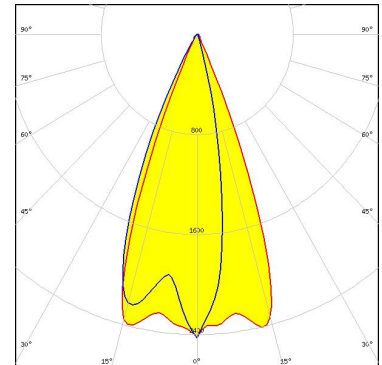


OSRAM
Opto Semiconductors

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

Protective plate, glass

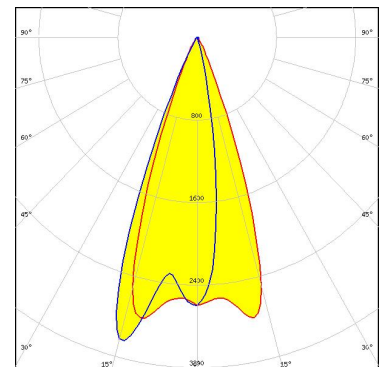
Light distribution files



OSRAM
Opto Semiconductors

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

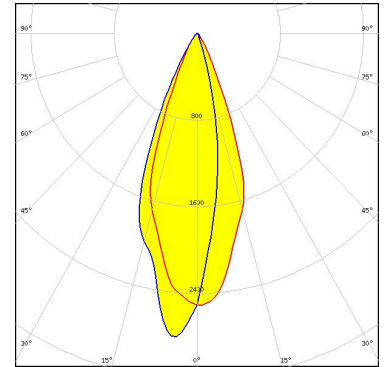
Light distribution files



OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

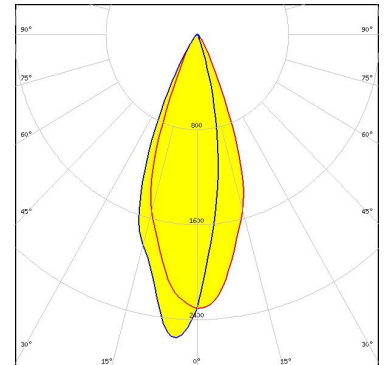
LED OSCONIQ S 5050
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

OSRAM
Opto Semiconductors

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

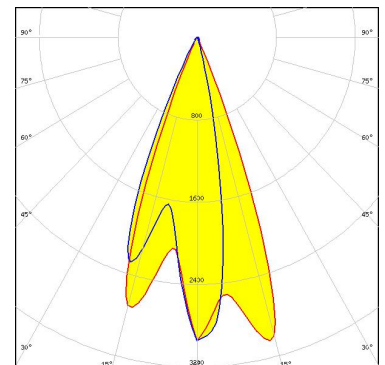


Protective plate, glass

Light distribution files

OSRAM
Opto Semiconductors

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



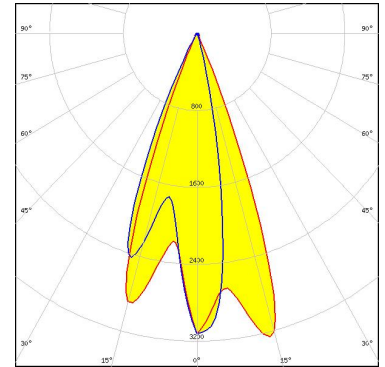
Protective plate, glass

Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

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

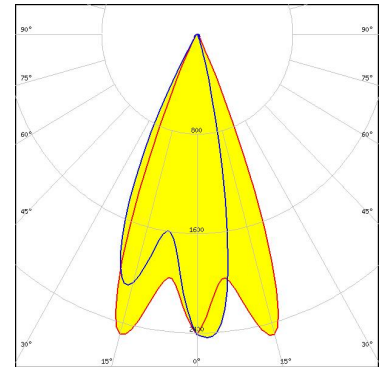


Light distribution files

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

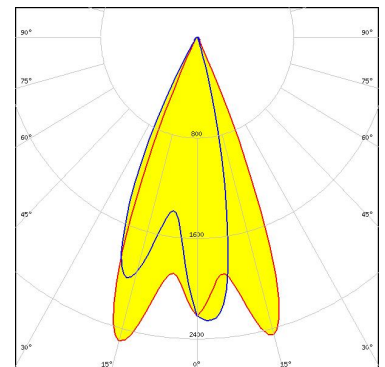


Light distribution files

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

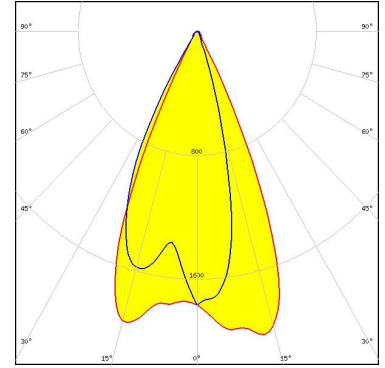
OPTICAL RESULTS (SIMULATED):

SAMSUNG

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

Protective plate, glass

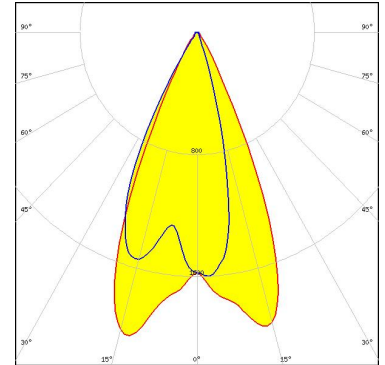
Light distribution files



SAMSUNG

LED 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

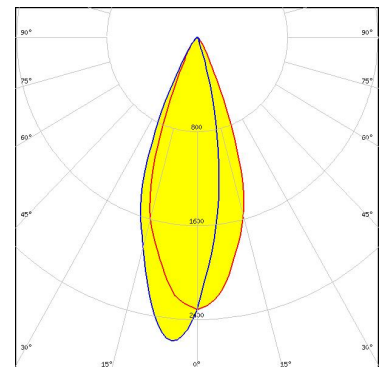


SAMSUNG

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

Protective plate, glass

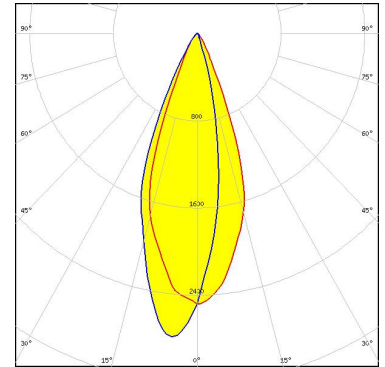
Light distribution files



OPTICAL RESULTS (SIMULATED):

SAMSUNG

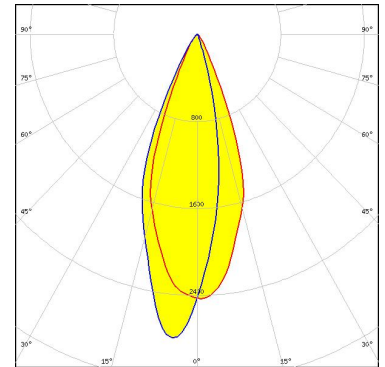
LED LH502C
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



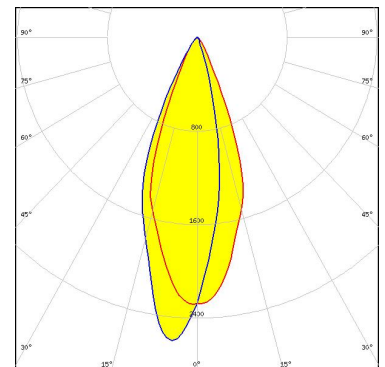
LED SEOUL DC 5050 6V
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



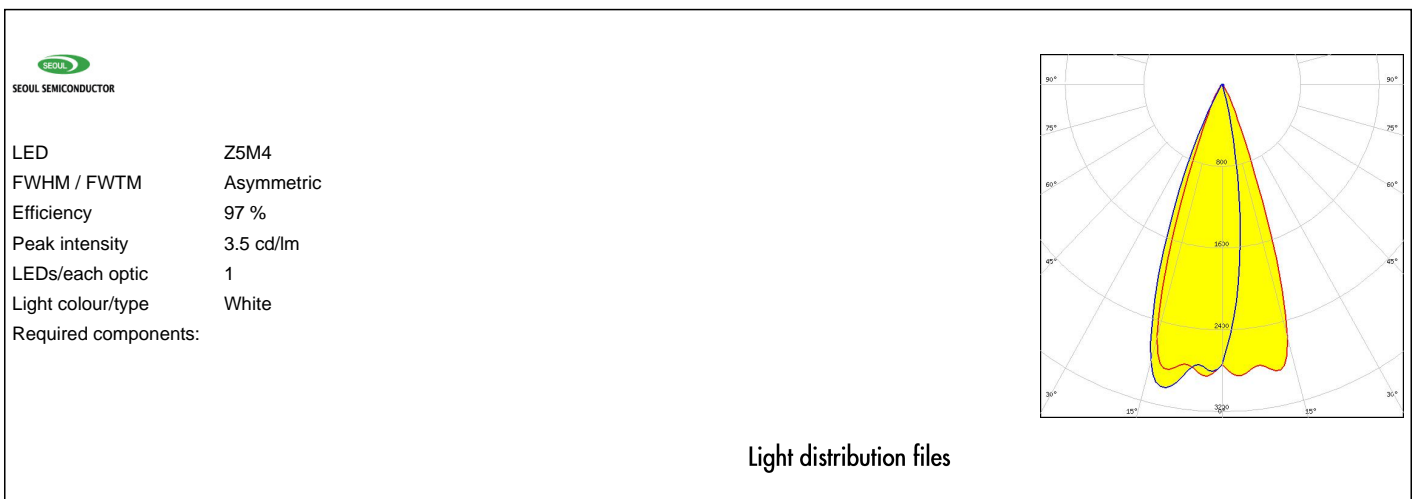
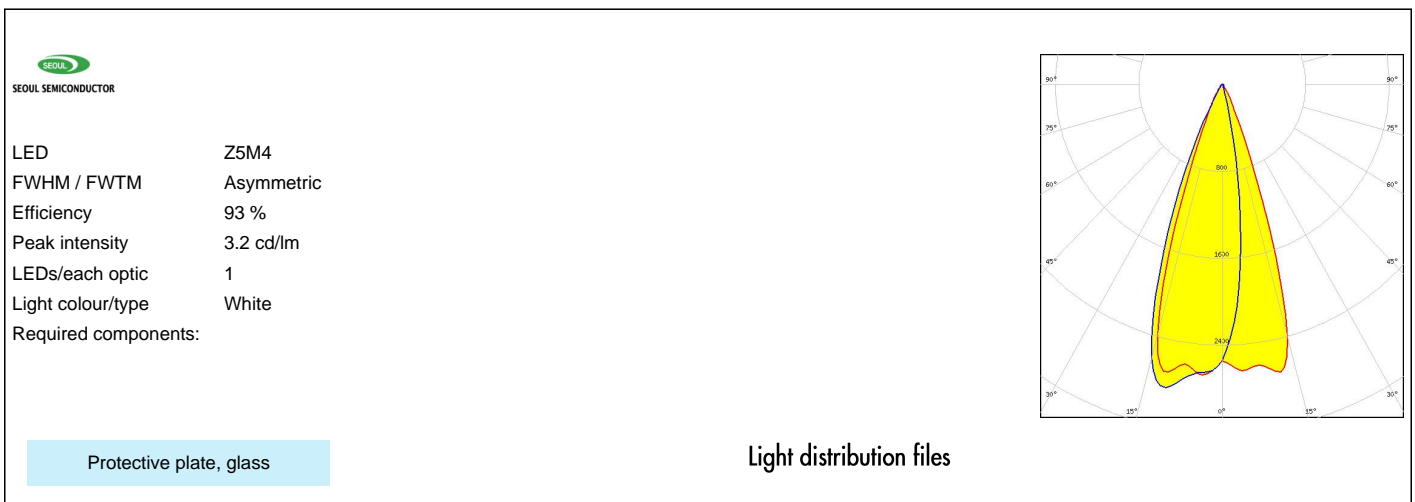
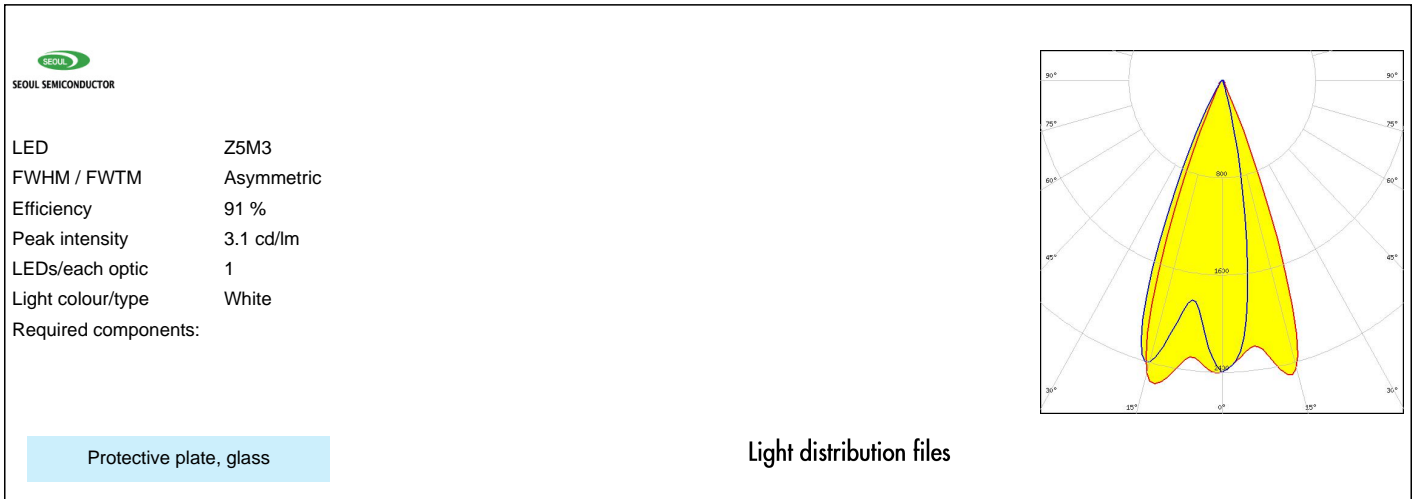
LED SEOUL DC 5050 6V
FWHM / FWTM Asymmetric
Efficiency 92 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:




Light distribution files

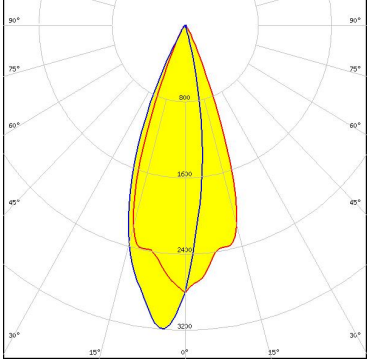
Protective plate, glass

OPTICAL RESULTS (SIMULATED):




OPTICAL RESULTS (SIMULATED):

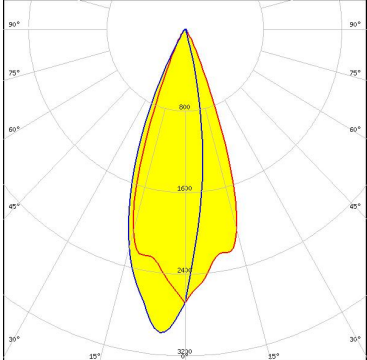
 SEOUL SEMICONDUCTOR	
LED	Z5M5
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

 SEOUL SEMICONDUCTOR	
LED	Z5M5
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

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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