

STRADA-2X2-MEW

Beam with extremely low glare fulfilling EN13201 M-class requirements for wet road surfaces in North Europe

SPECIFICATION:

Dimensions	50.0 x 50.0
Height	10.2 mm
Fastening	screw
ROHS compliant	yes ⓘ

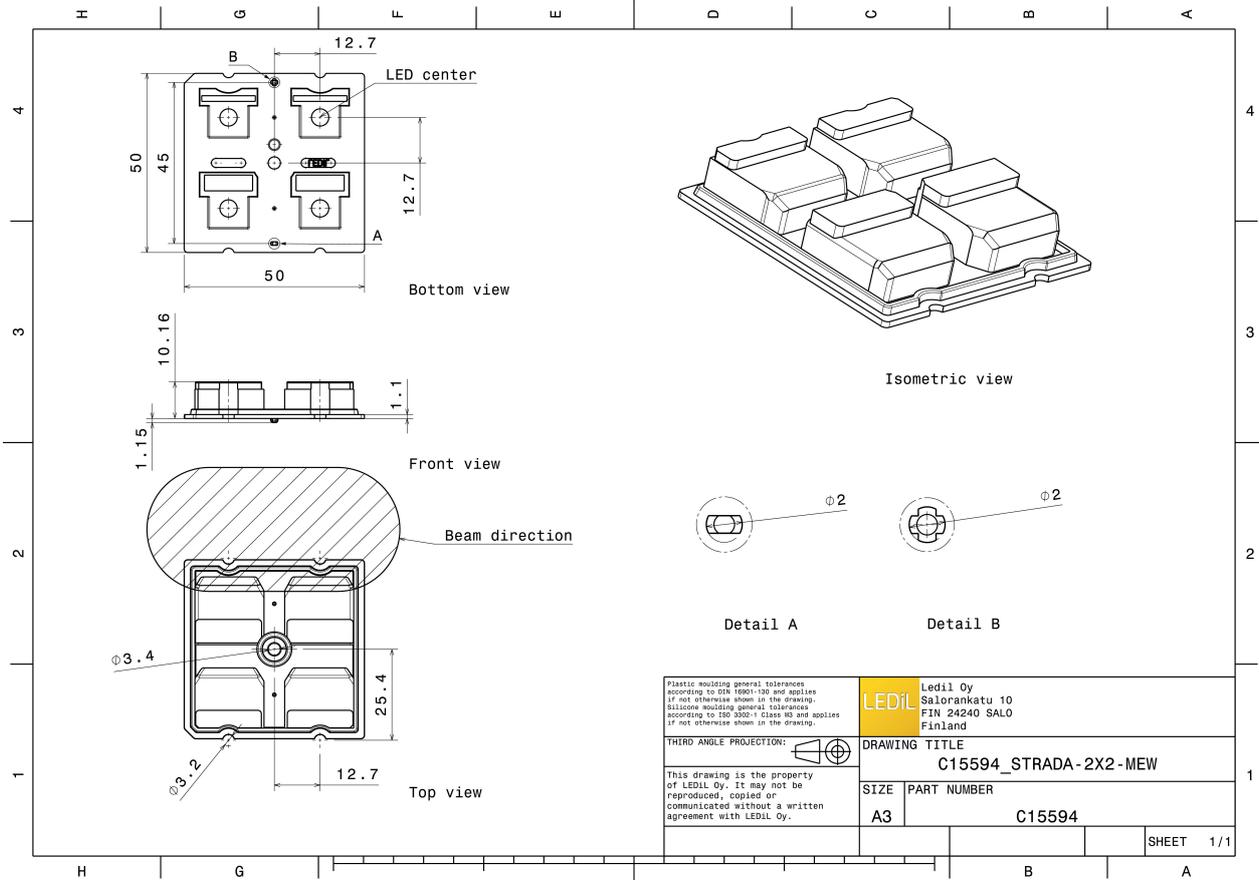


MATERIALS:

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

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C15594_STRADA-2X2-MEW » Box size: 480 x 280 x 300 mm	800	160	160	9.6

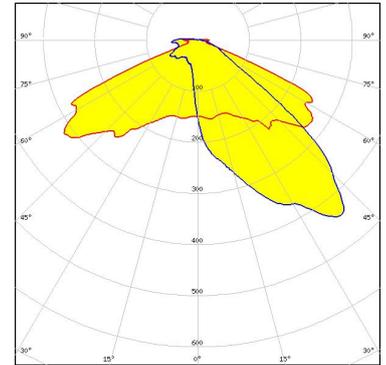


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



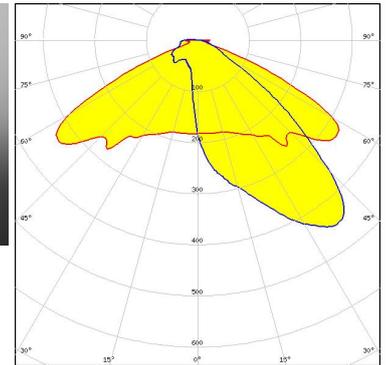
LED XD16
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



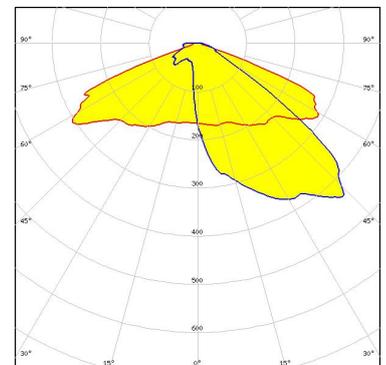
LED XD16
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 4
 Light colour/type White
 Required components:



Light distribution files



LED XP-G2
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

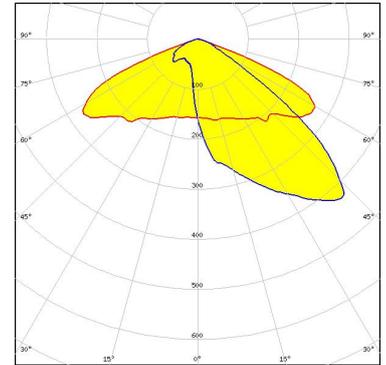
OPTICAL RESULTS (MEASURED):



LED XP-G3
FWHM / FWTM Asymmetric
Efficiency 86 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

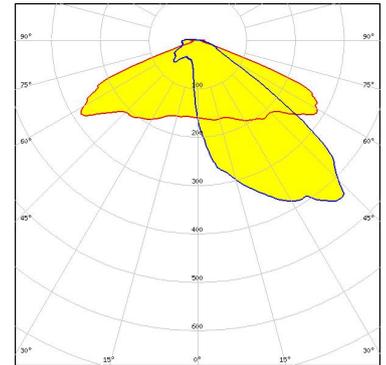
Protective plate, glass

Light distribution files



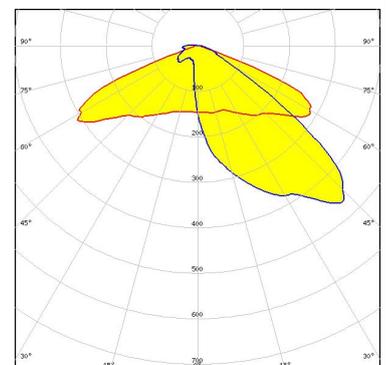
LED XP-L HI
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files



LED PrevaLED Brick HP 2x8
FWHM / FWTM Asymmetric
Efficiency 87 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

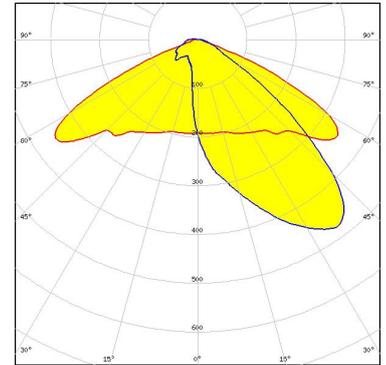
Light distribution files



OPTICAL RESULTS (MEASURED):



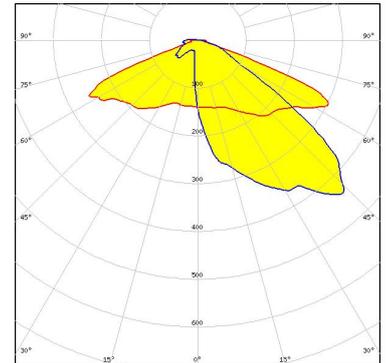
LED LUXEON 5050 Round LES
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



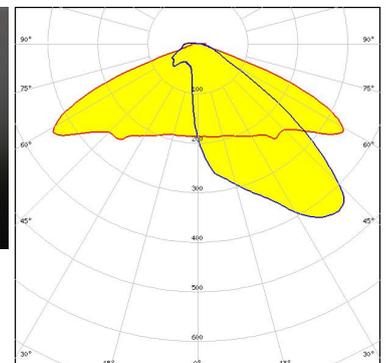
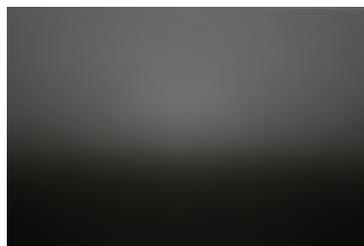
LED LUXEON TX
FWHM / FWTM Asymmetric
Efficiency 92 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



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

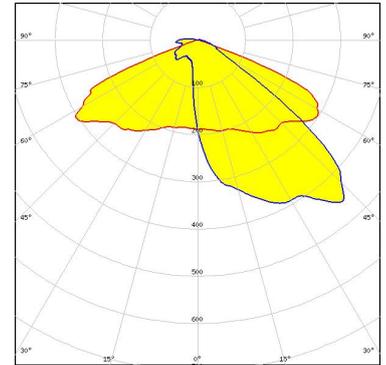


Light distribution files

OPTICAL RESULTS (MEASURED):

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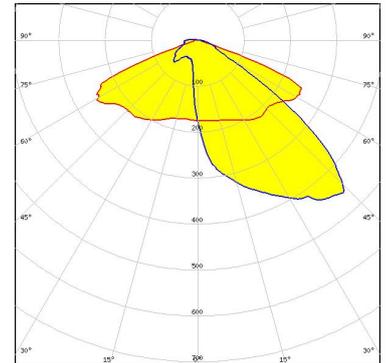
LED RecLED 122x50mm 1900lm 730 2x4 Opt G1
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

NICHIA

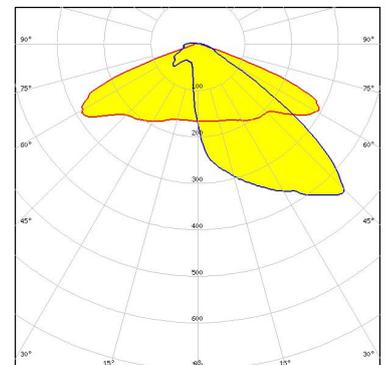
LED NVSW219D
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

NICHIA

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

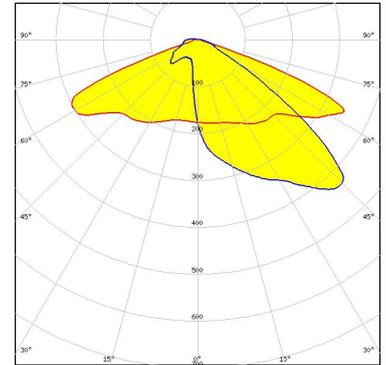


Light distribution files

OPTICAL RESULTS (MEASURED):



LED NVSW319B
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

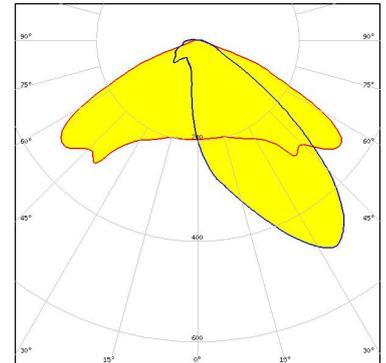


Light distribution files



Osram Semiconductors

LED Duris S8
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

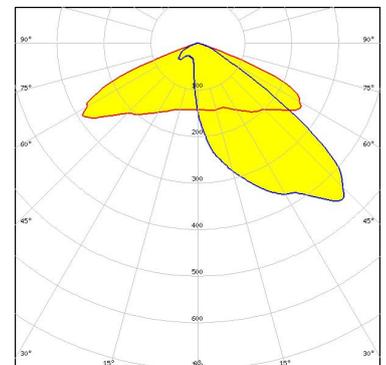


Light distribution files



Osram Semiconductors

LED OSLOM Square CSSRM2/CSSRM3
FWHM / FWTM Asymmetric
Efficiency 87 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



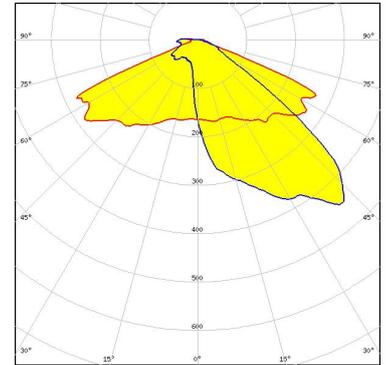
Protective plate, glass

Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

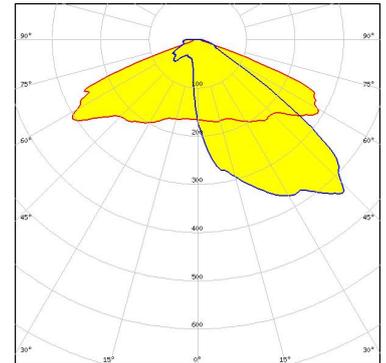
LED OSLON Square PC
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

PHILIPS

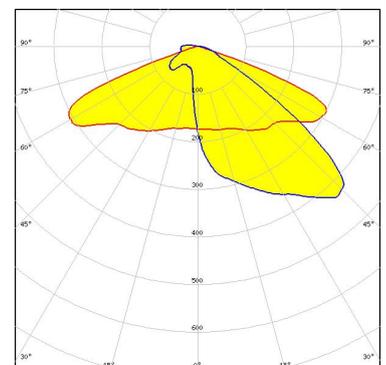
LED Fortimo FastFlex LED 2x8 DA G4
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4+
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

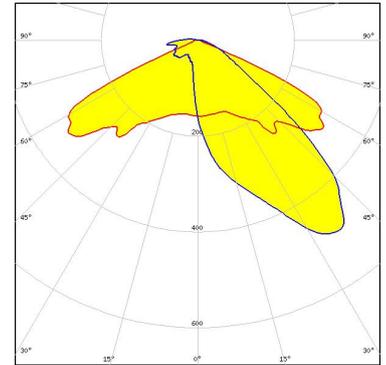


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

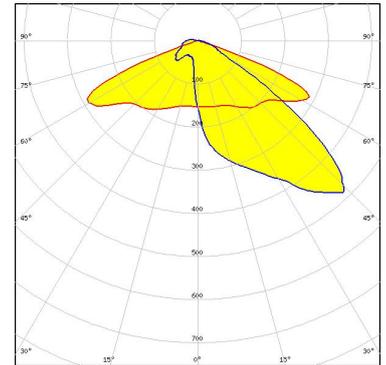
LED HiLOM RC12 Z (LH181B)
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

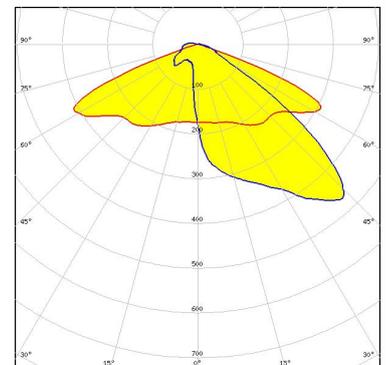
LED HiLOM RH12 Z (LH351C)
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED HiLOM RH16 (LH351C)
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

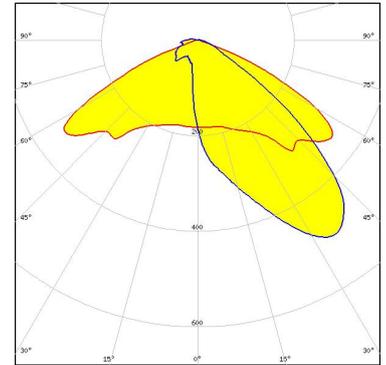


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

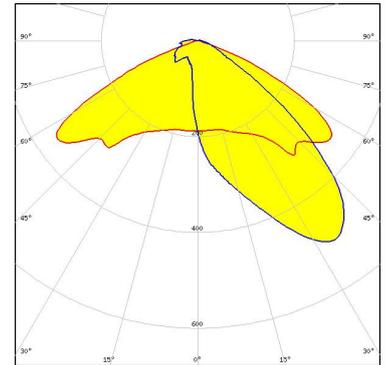
LED HiLOM RM12 Z (LH502C)
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

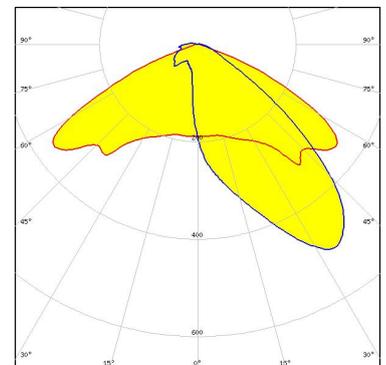
LED HiLOM RM16 Z (LH502C)
FWHM / FWTM Asymmetric
Efficiency 98 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

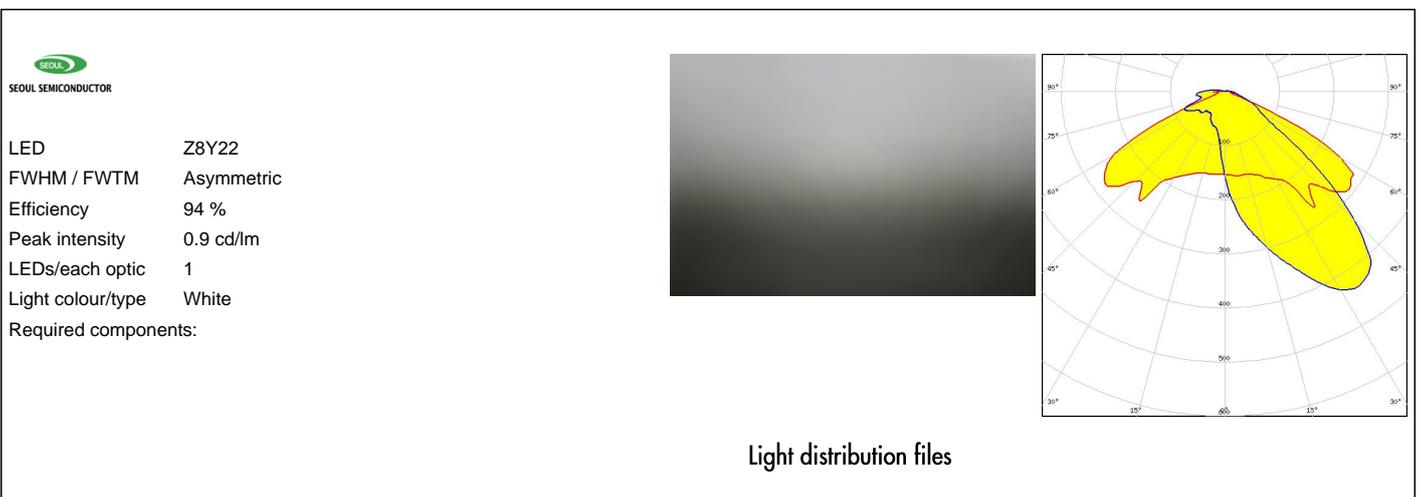
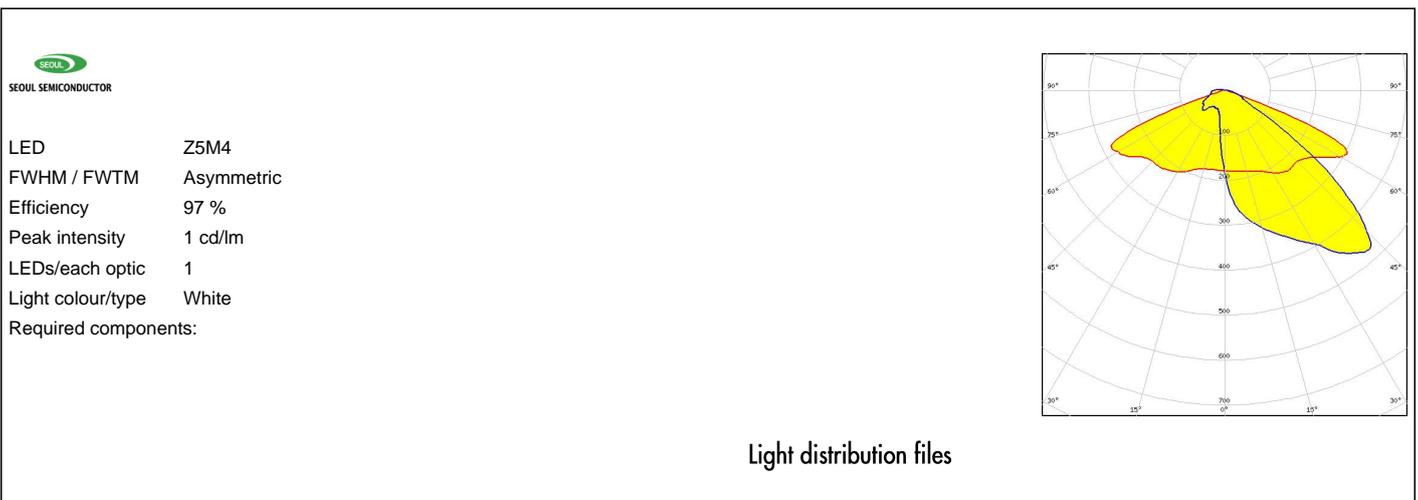
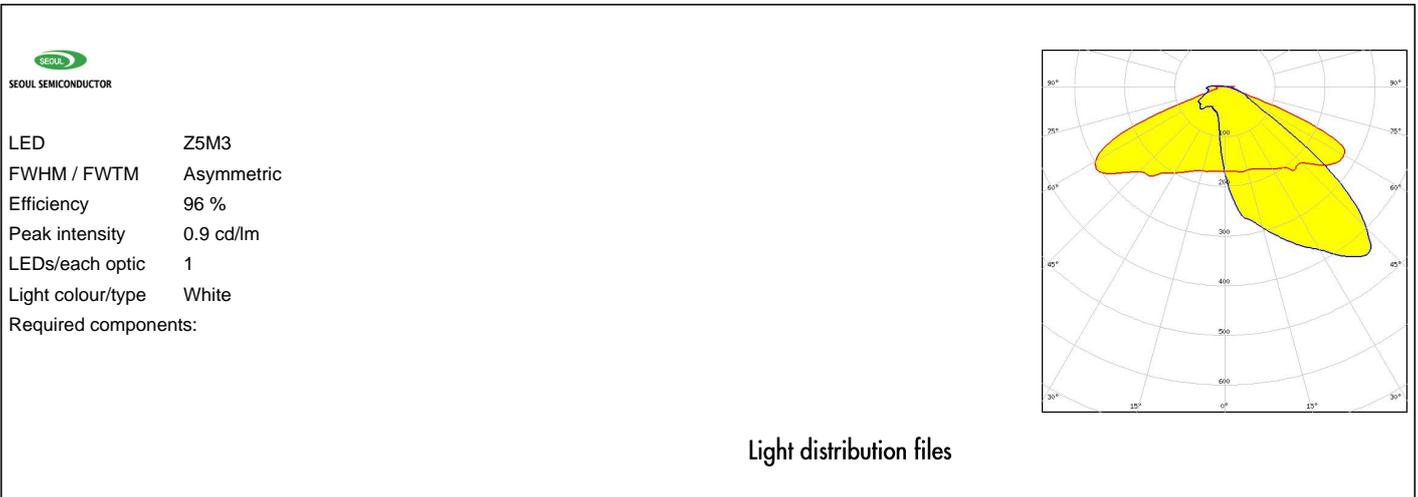
SAMSUNG

LED HiLOM RM8 Z (LH502C)
FWHM / FWTM Asymmetric
Efficiency 98 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (MEASURED):

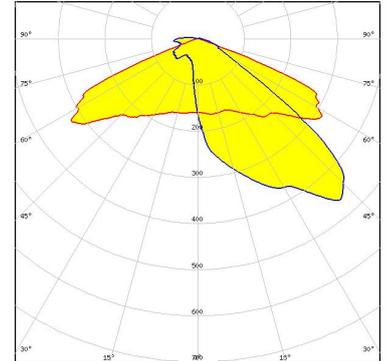
TRIDONIC

LED RLE 2x4 2000lm HP EXC2 OTD
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

TRIDONIC

LED RLE 2x8 4000lm HP EXC2 OTD
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

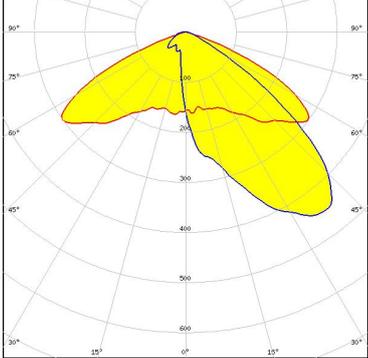
OPTICAL RESULTS (SIMULATED):



LED	Bridgelux SMD 5050
FWHM / FWTM	Asymmetric
Efficiency	84 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

Protective plate, glass



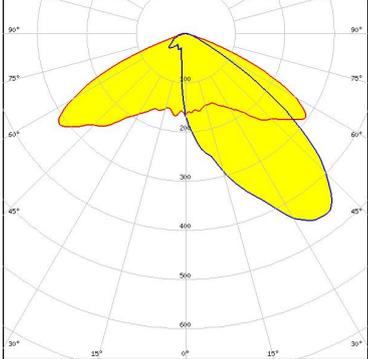
Light distribution files



LED	J Series 5050B 6V K Class
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



LED	XHP35 HD
FWHM / FWTM	Asymmetric
Efficiency	%
LEDs/each optic	1
Light colour/type	White

Required components:

Light distribution files

OPTICAL RESULTS (SIMULATED):



LED XHP35 HI
FWHM / FWTM Asymmetric
Efficiency %
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files



LED XM-L2
FWHM / FWTM Asymmetric
Efficiency 0 %
LEDs/each optic 1
Light colour/type White
Required components:

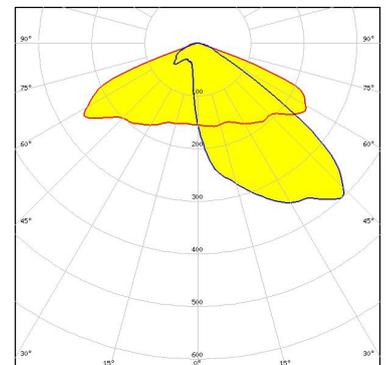
Light distribution files



LED XP-G2
FWHM / FWTM Asymmetric
Efficiency 83 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass

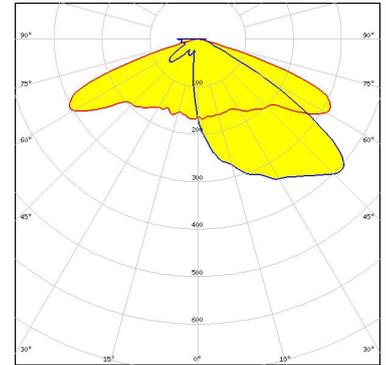
Light distribution files



OPTICAL RESULTS (SIMULATED):



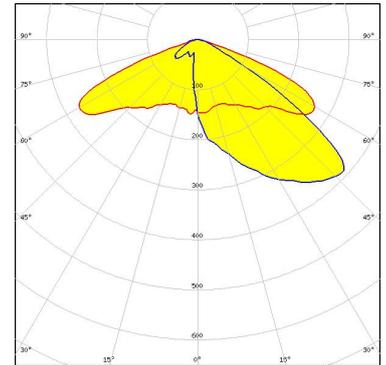
LED XP-G2 HE
 FWHM / FWTM Asymmetric
 Efficiency 93 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-G3
 FWHM / FWTM Asymmetric
 Efficiency 81 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

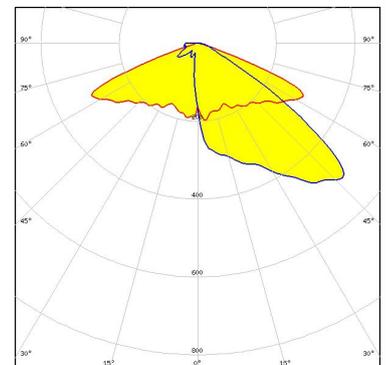


Protective plate, glass

Light distribution files



LED XP-G4
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

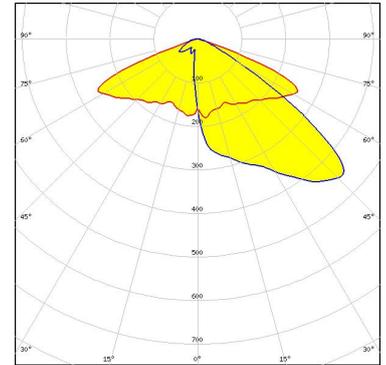
OPTICAL RESULTS (SIMULATED):



LED XP-G4
 FWHM / FWTM Asymmetric
 Efficiency 84 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

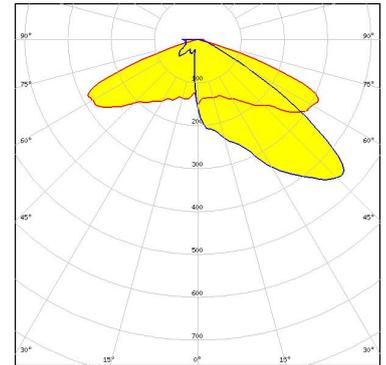
Protective plate, glass

Light distribution files



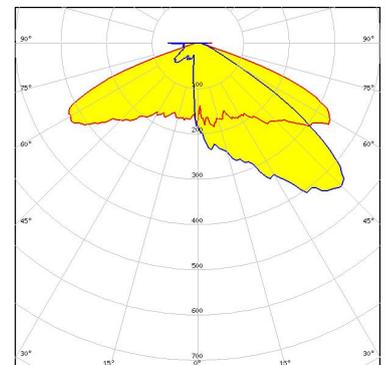
LED XP-L HD
 FWHM / FWTM Asymmetric
 Efficiency 93 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files



LED XP-L2
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files



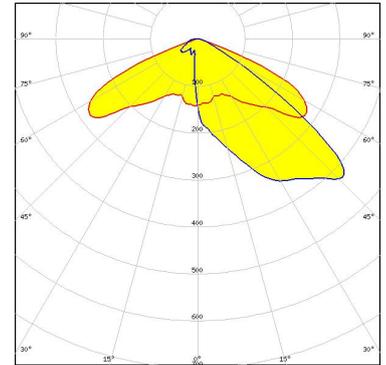
OPTICAL RESULTS (SIMULATED):



LED XT-E
FWHM / FWTM Asymmetric
Efficiency 81 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass

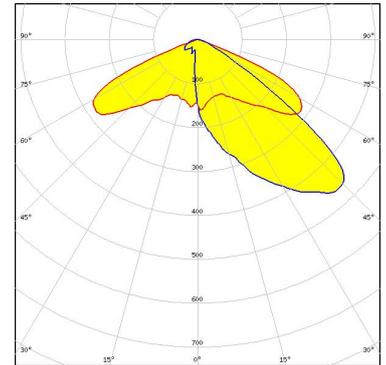
Light distribution files



LED LUXEON 3030 2D (Round LES)
FWHM / FWTM Asymmetric
Efficiency 84 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass

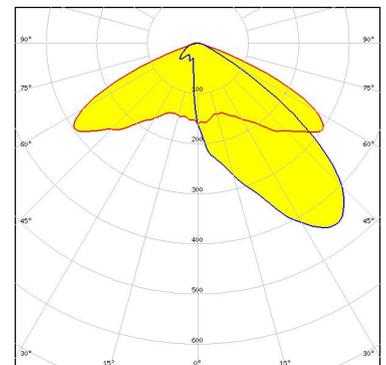
Light distribution files



LED LUXEON 5050 HE
FWHM / FWTM Asymmetric
Efficiency 84 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass

Light distribution files



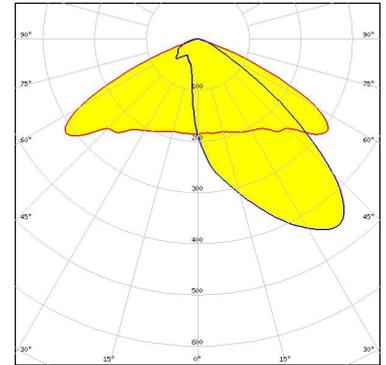
OPTICAL RESULTS (SIMULATED):



LED LUXEON 5050 Round LES
 FWHM / FWTM Asymmetric
 Efficiency 87 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Protective plate, glass

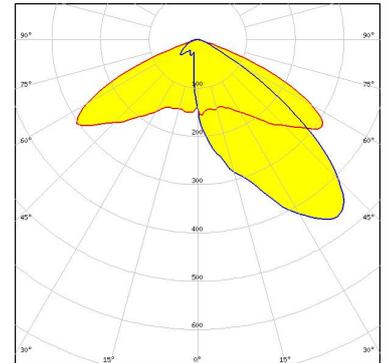
Light distribution files



LED LUXEON 5050 Square LES
 FWHM / FWTM Asymmetric
 Efficiency 84 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

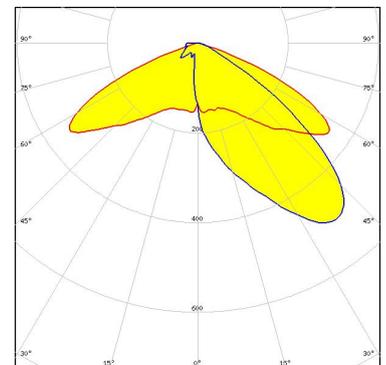
Protective plate, glass

Light distribution files



LED LUXEON 5050 Square LES
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files

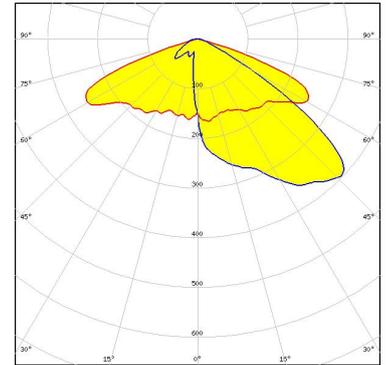


OPTICAL RESULTS (SIMULATED):



LED LUXEON HL2X
FWHM / FWTM Asymmetric
Efficiency 82 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass

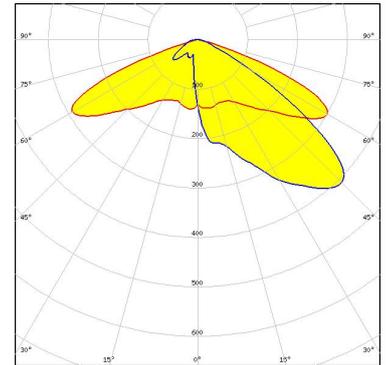


Light distribution files



LED LUXEON HL4X
FWHM / FWTM Asymmetric
Efficiency 83 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

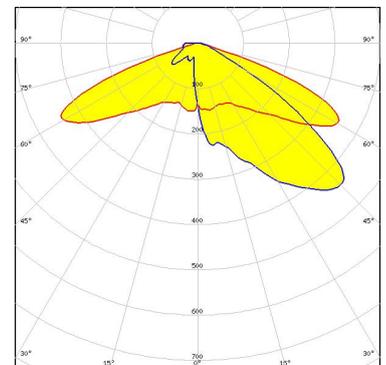
Protective plate, glass



Light distribution files



LED LUXEON HL4X
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

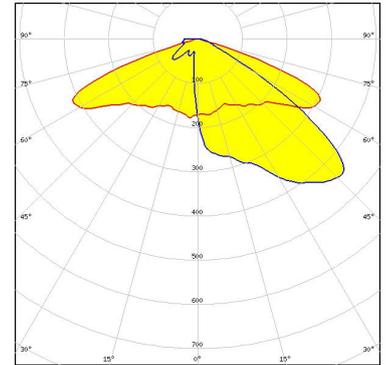


Light distribution files

OPTICAL RESULTS (SIMULATED):



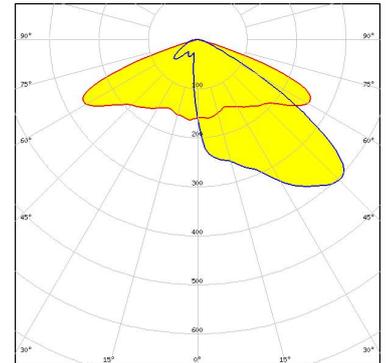
LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)
FWHM / FWTM Asymmetric
Efficiency 83 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Protective plate, glass

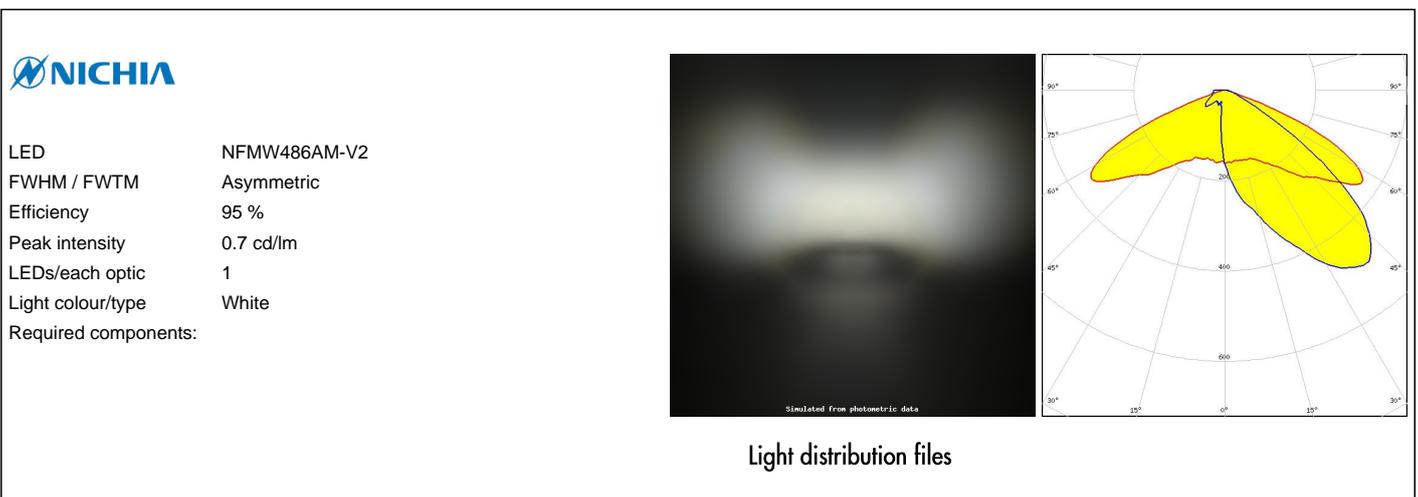
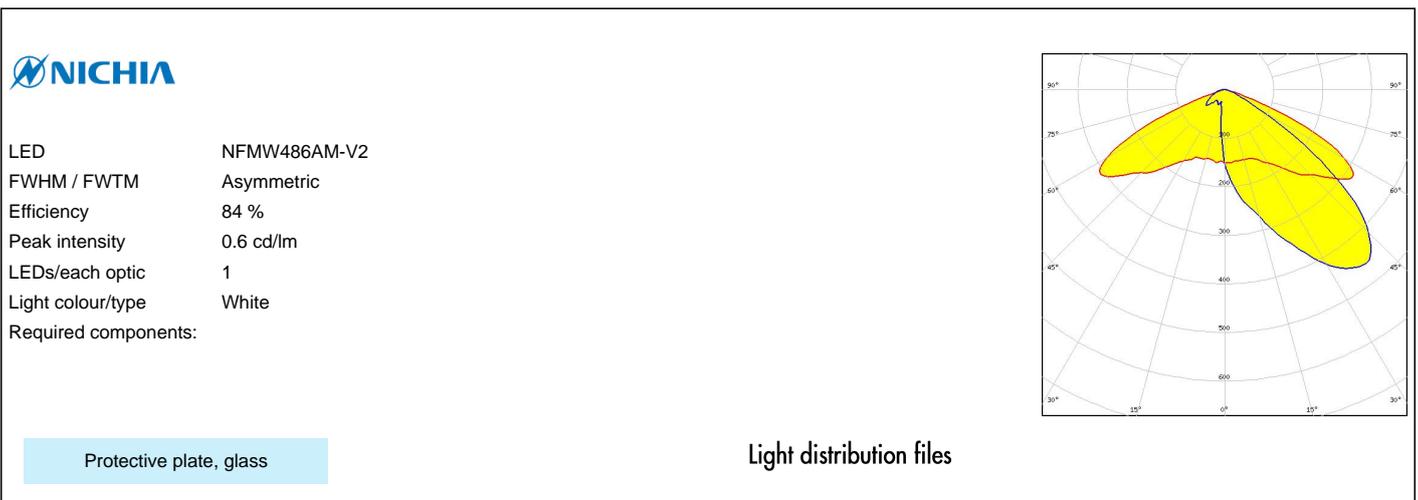
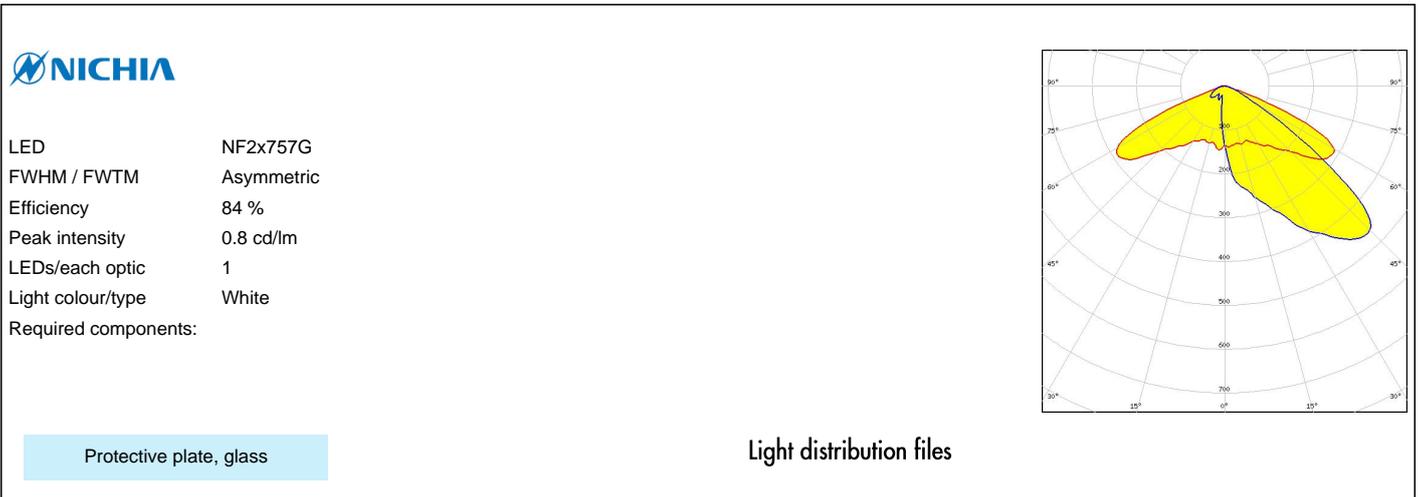
Light distribution files



LED NCSxx19B
FWHM / FWTM Asymmetric
Efficiency 0 %
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

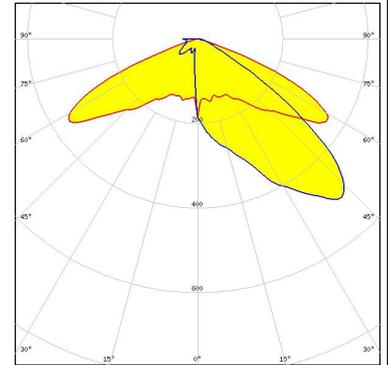
OPTICAL RESULTS (SIMULATED):



OPTICAL RESULTS (SIMULATED):



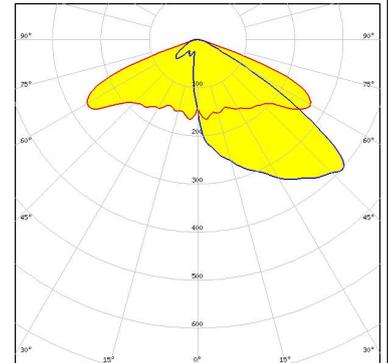
LED NV4WB35AM
FWHM / FWTM Asymmetric
Efficiency 95 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NVSW219F
FWHM / FWTM Asymmetric
Efficiency 82 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

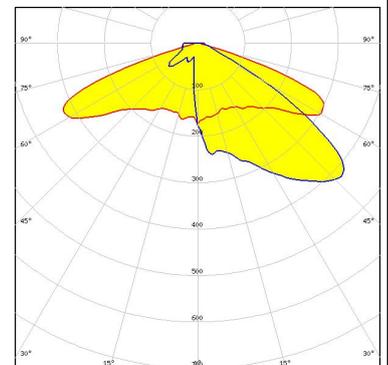


Protective plate, glass

Light distribution files

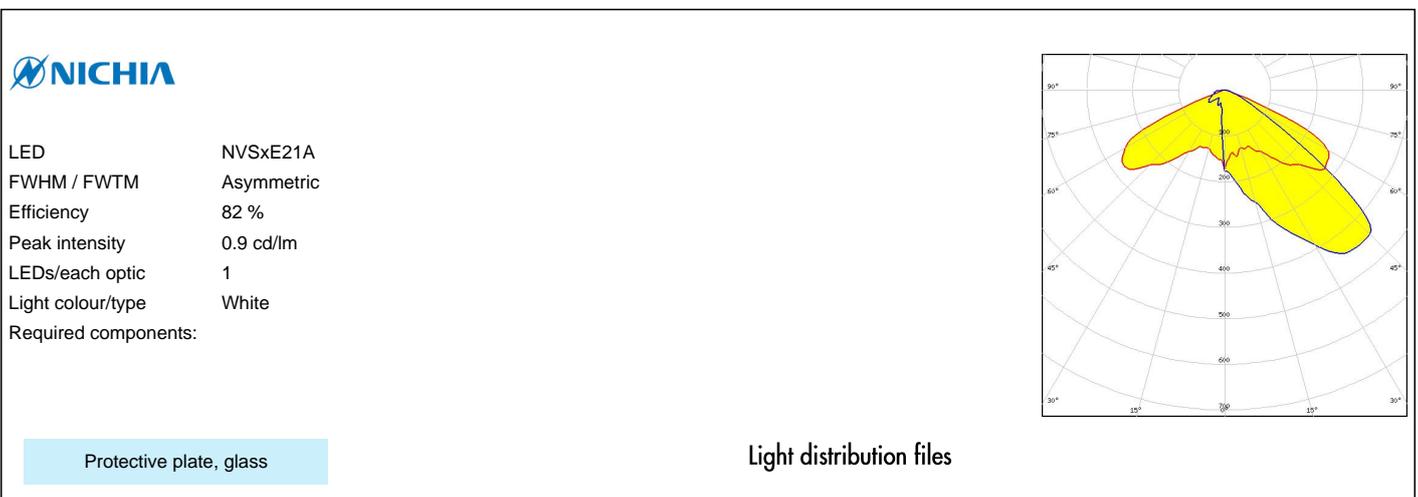
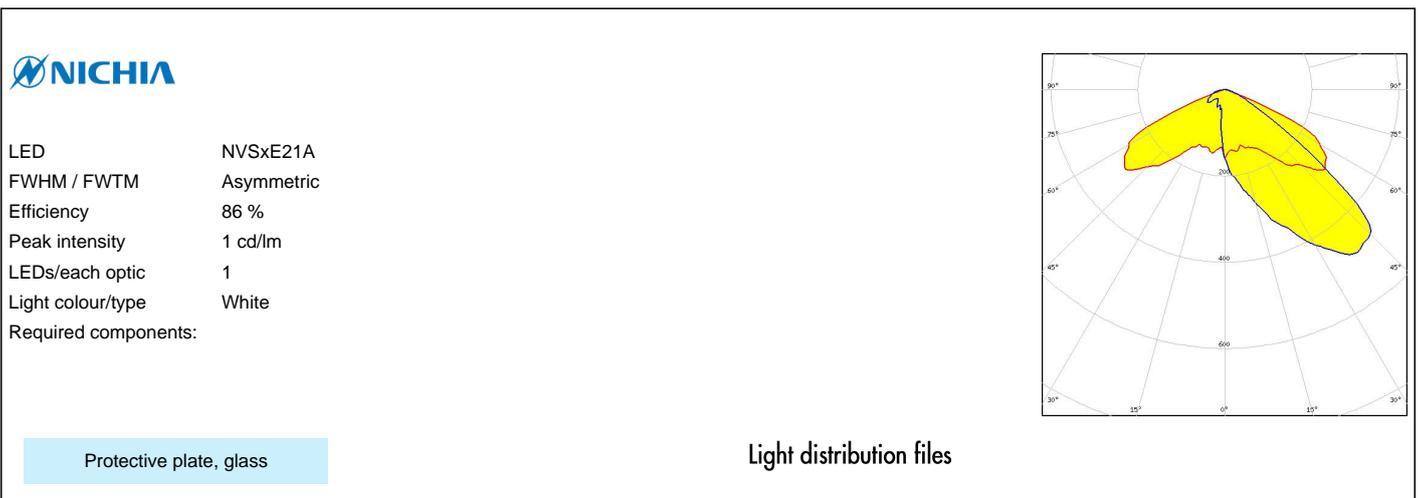
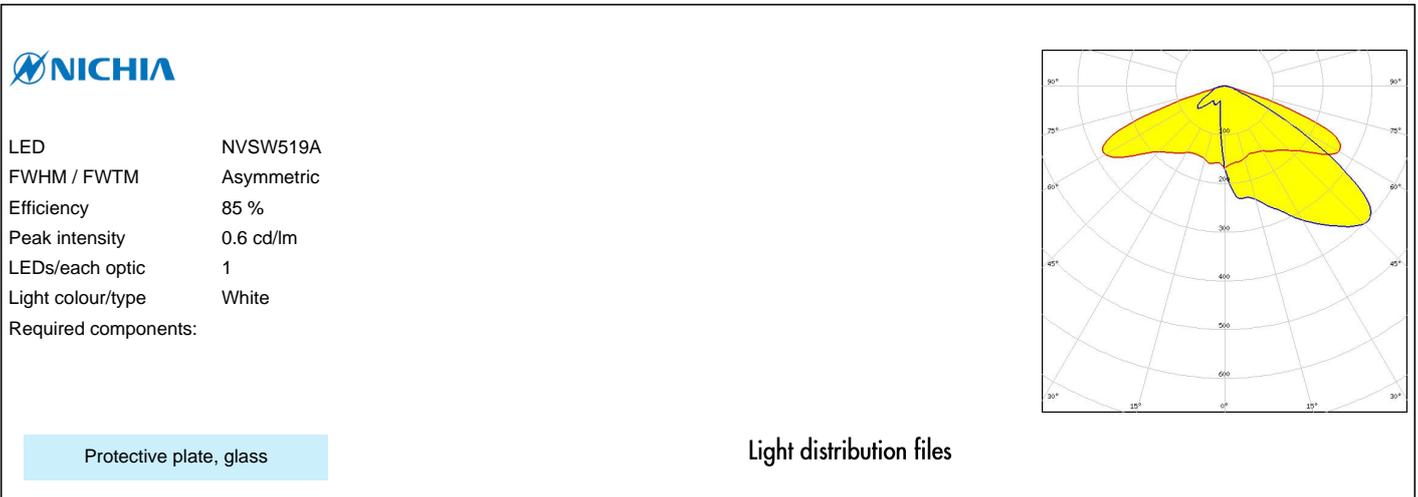


LED NVSW519A
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

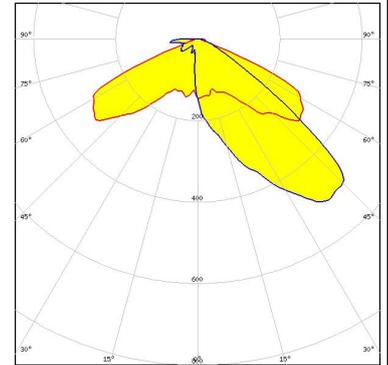
OPTICAL RESULTS (SIMULATED):



OPTICAL RESULTS (SIMULATED):



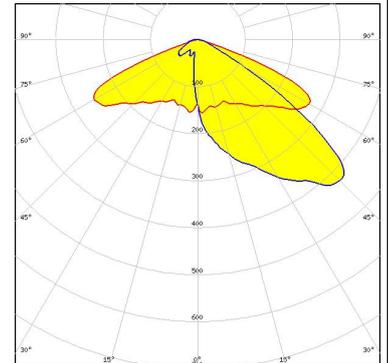
LED NVSxE21A
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NVSxx19B/NVSxx19C
FWHM / FWTM Asymmetric
Efficiency 83 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Protective plate, glass

Light distribution files



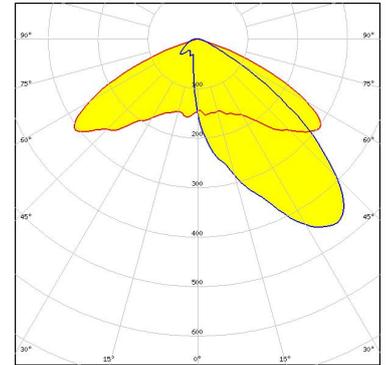
LED NVSxx19B/NVSxx19C
FWHM / FWTM Asymmetric
Efficiency 0 %
LEDs/each optic 1
Light colour/type White
Required components:

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED Duris S8
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

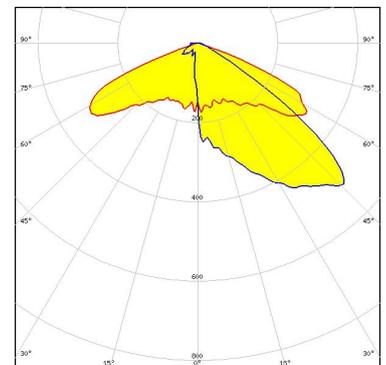
OSRAM
Opto Semiconductors

LED Duris S8
FWHM / FWTM Asymmetric
Efficiency %
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

OSRAM
Opto Semiconductors

LED OSCONIQ P 3737 (2W version)
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

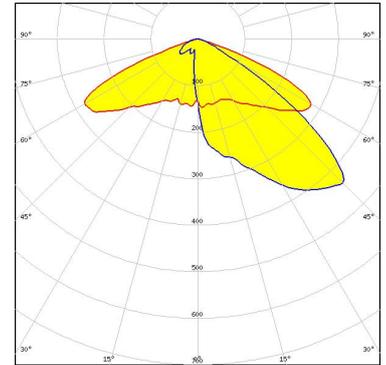
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED OSCONIQ P 3737 (3W version)
FWHM / FWTM Asymmetric
Efficiency 83 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass

Light distribution files

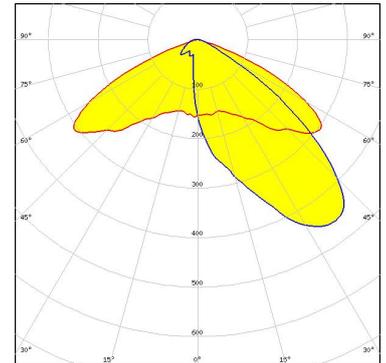


OSRAM
Opto Semiconductors

LED OSCONIQ S 5050 (Q9LR32)
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

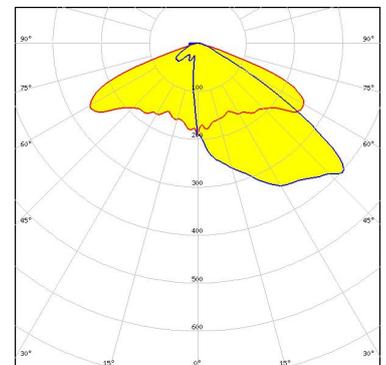


OSRAM
Opto Semiconductors

LED OSOLON Square CSSRM2/CSSRM3
FWHM / FWTM Asymmetric
Efficiency 83 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass

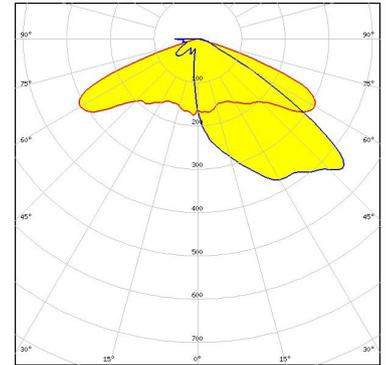
Light distribution files



OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

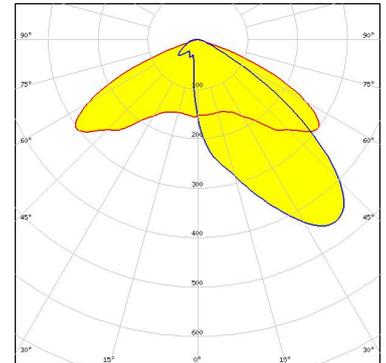
LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM Asymmetric
Efficiency 95 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

PHILIPS

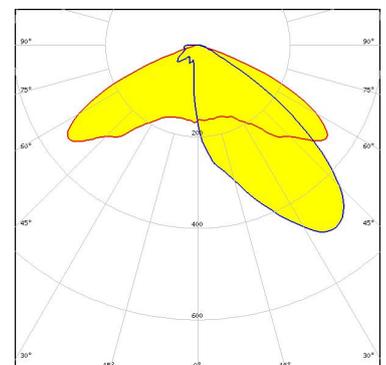
LED Fortimo FastFlex LED 2x8 DA (U)HE
FWHM / FWTM Asymmetric
Efficiency 84 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

PHILIPS

LED Fortimo FastFlex LED 2x8 DA (U)HE
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

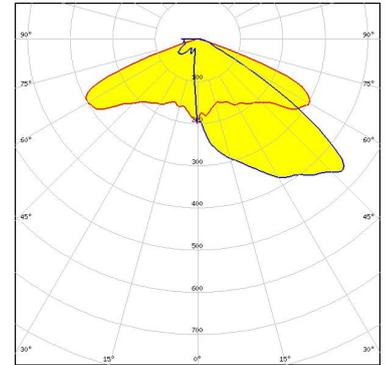


Light distribution files

OPTICAL RESULTS (SIMULATED):

PHILIPS

LED	Fortimo FastFlex LED 2x8 DA G5
FWHM / FWTM	Asymmetric
Efficiency	95 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

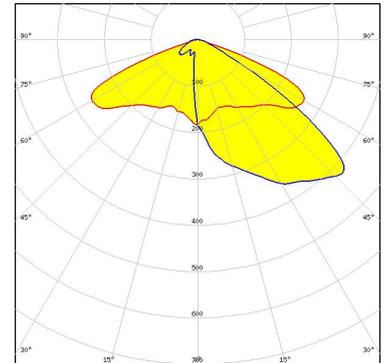


Light distribution files

PHILIPS

LED	Fortimo FastFlex LED 2x8 DA G5
FWHM / FWTM	Asymmetric
Efficiency	84 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

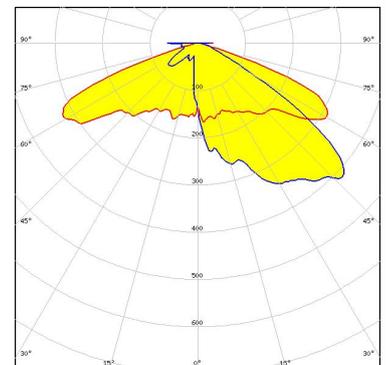
Protective plate, glass



Light distribution files

PHILIPS

LED	Fortimo FastFlex LED 2x8 DAX G4
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

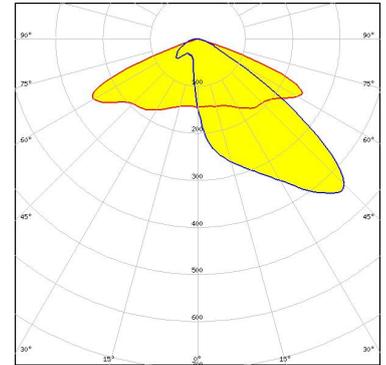
OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED HiLOM RH12 Z (LH351C)
FWHM / FWTM Asymmetric
Efficiency 84 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass

Light distribution files

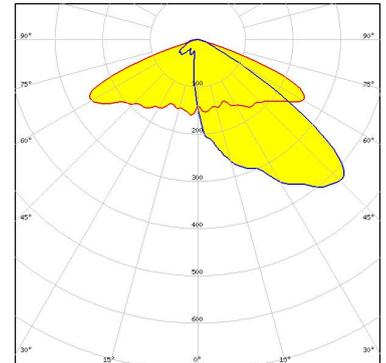


SAMSUNG

LED LH351B
FWHM / FWTM Asymmetric
Efficiency 83 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass

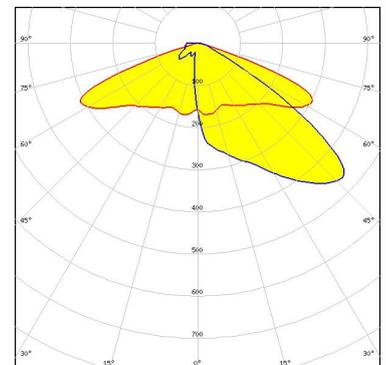
Light distribution files



SAMSUNG

LED LH351C
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

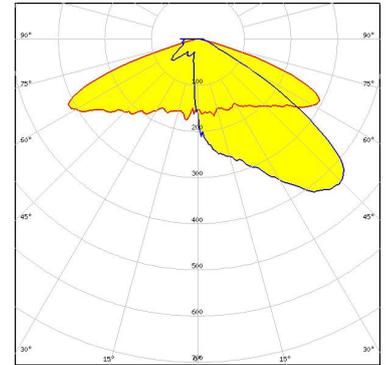
Light distribution files



OPTICAL RESULTS (SIMULATED):

SAMSUNG

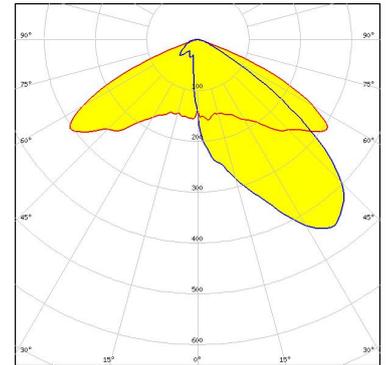
LED LH351D
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED LH502D
FWHM / FWTM Asymmetric
Efficiency 84 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

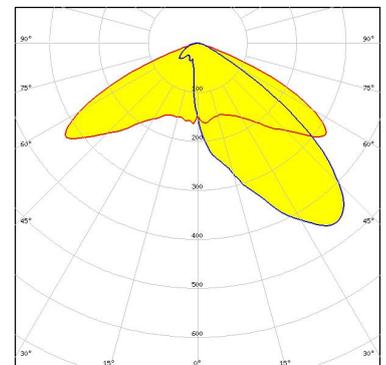


Light distribution files

Protective plate, glass

SAMSUNG

LED LH508A
FWHM / FWTM Asymmetric
Efficiency 85 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

Protective plate, glass

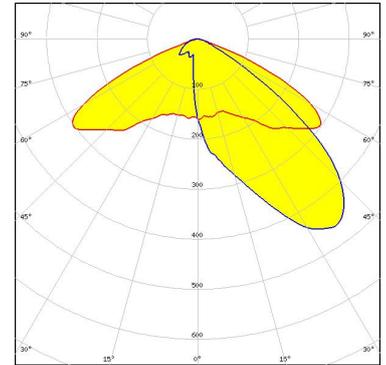
OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED LH508B
FWHM / FWTM Asymmetric
Efficiency 85 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass

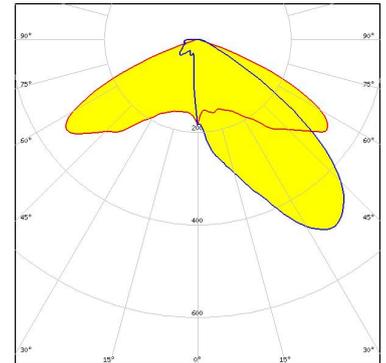
Light distribution files



SAMSUNG

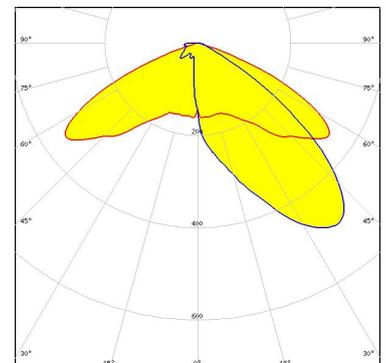
LED LH508B
FWHM / FWTM Asymmetric
Efficiency 95 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

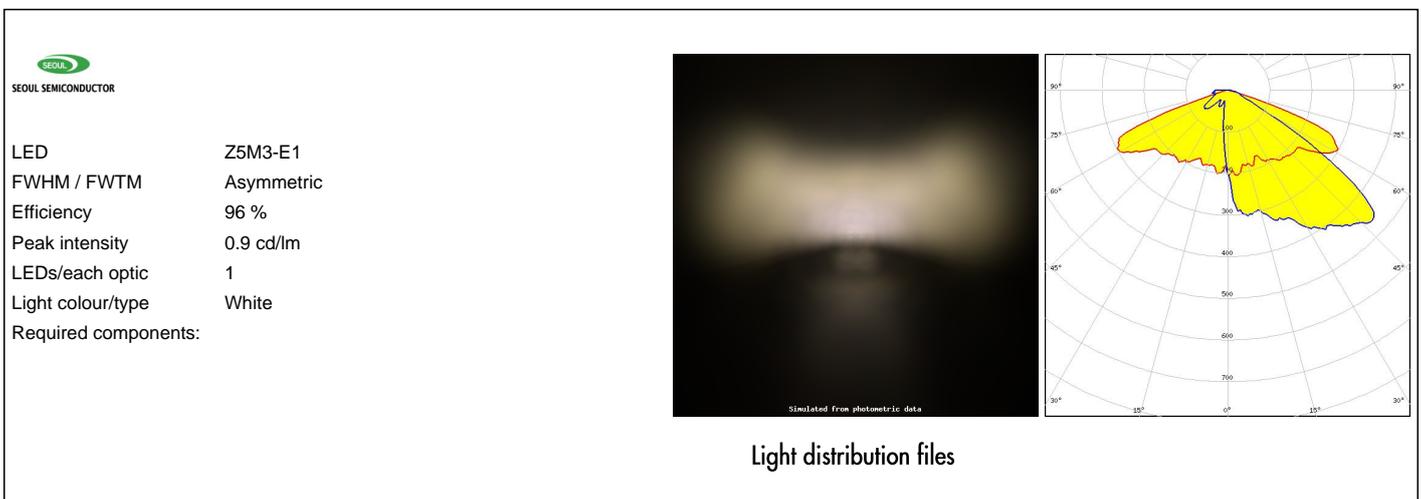
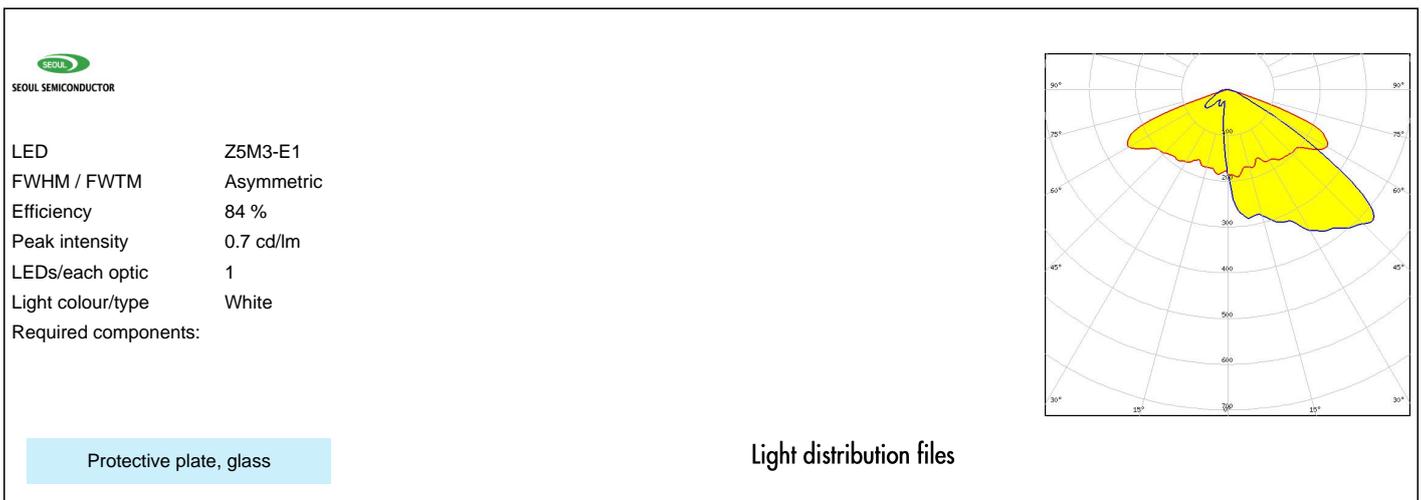
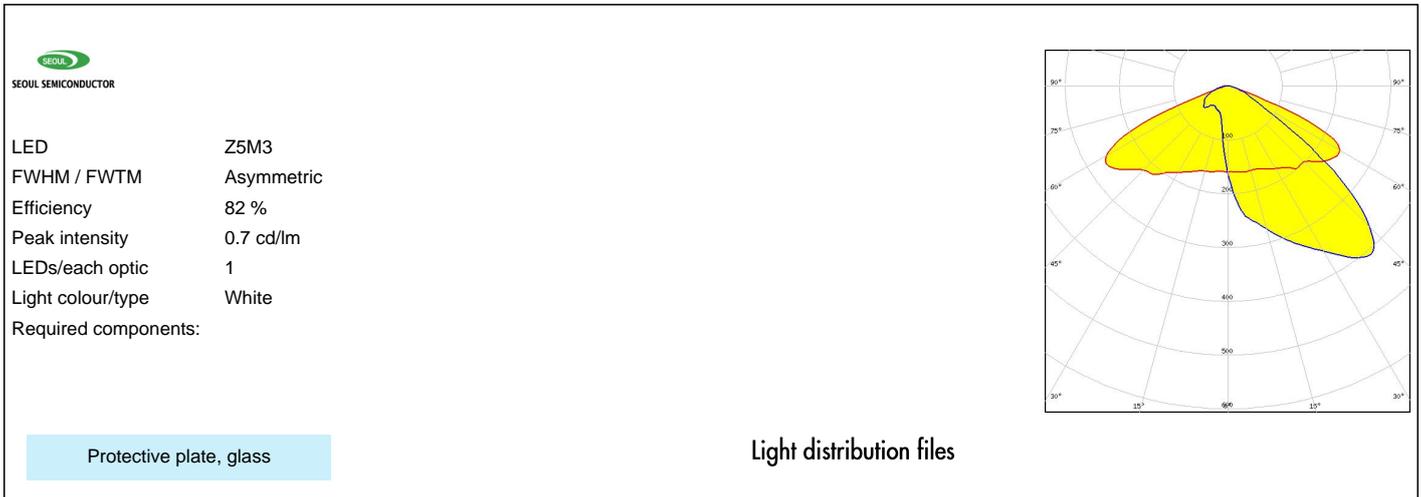


LED MJT 5050
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

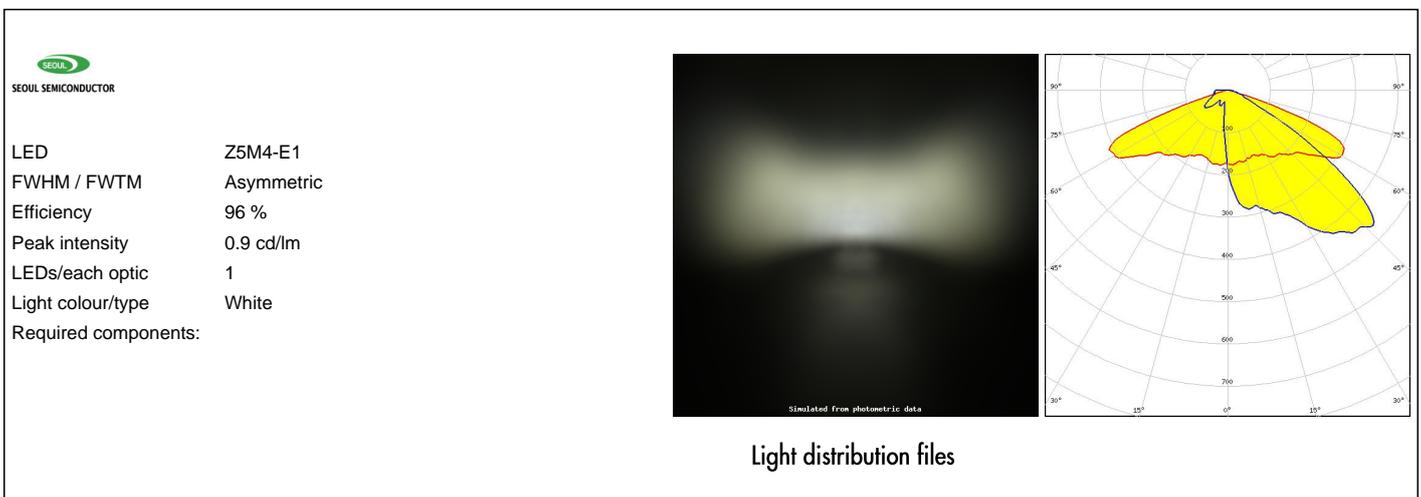
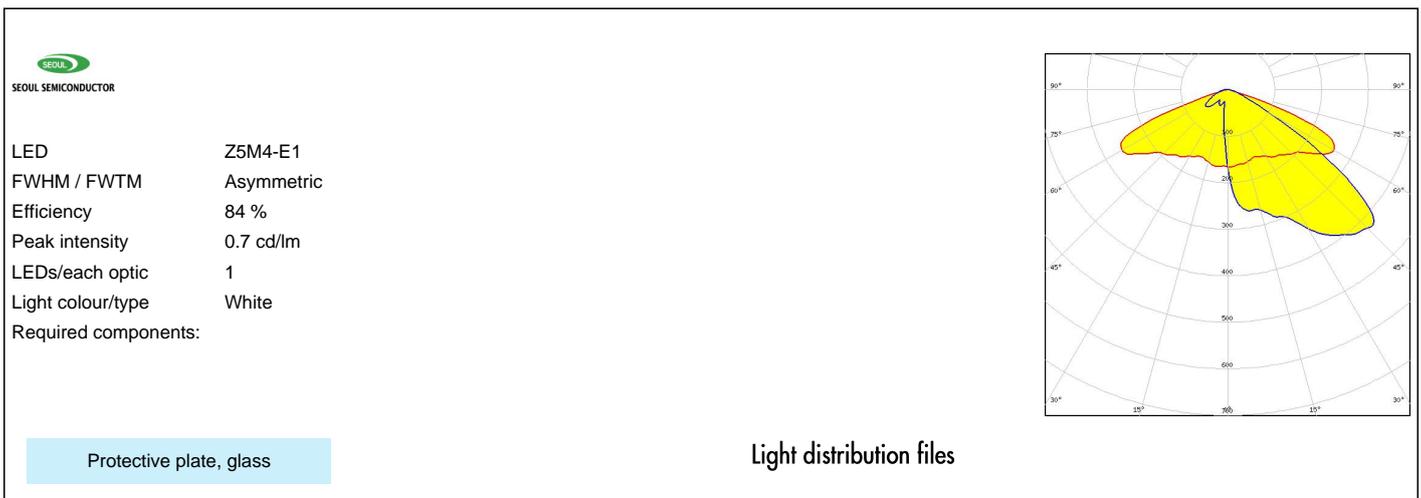
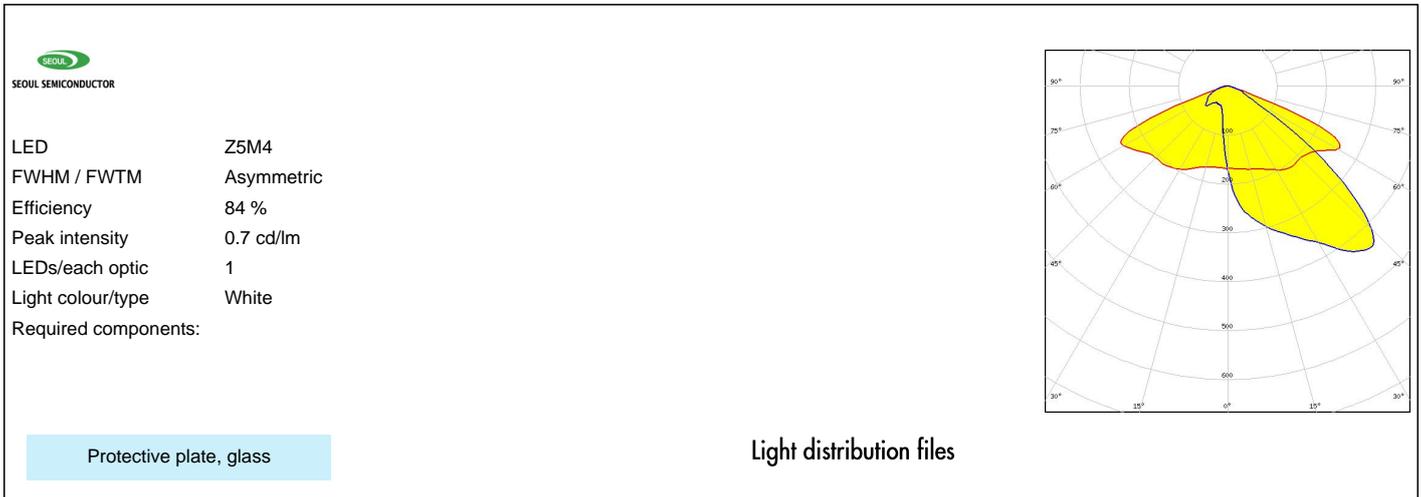
Light distribution files



OPTICAL RESULTS (SIMULATED):



OPTICAL RESULTS (SIMULATED):



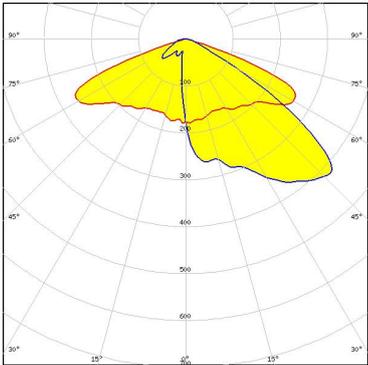
OPTICAL RESULTS (SIMULATED):

SEOL
SEOUL SEMICONDUCTOR

LED	Z5M4-E2
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

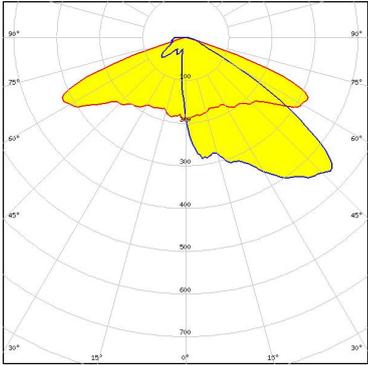
SEOL
SEOUL SEMICONDUCTOR

LED	Z5M4-E2
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:



Simulated from photometric data



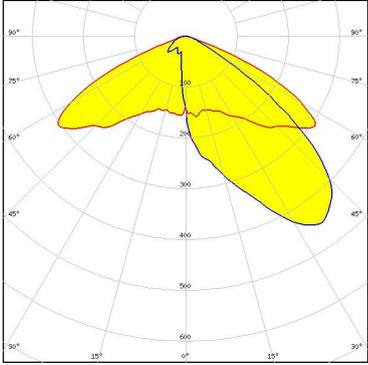
Light distribution files

TRIDONIC

LED	RLE 2x8 6000lm HP HE EXC3 OTD
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

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:

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