

STRADA-2X2-LW1

Excellent longitudinal luminance uniformity for EN13201 M-class where road width is wider than the pole height.

SPECIFICATION:

Dimensions	50.0 x 50.0
Height	7.2 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

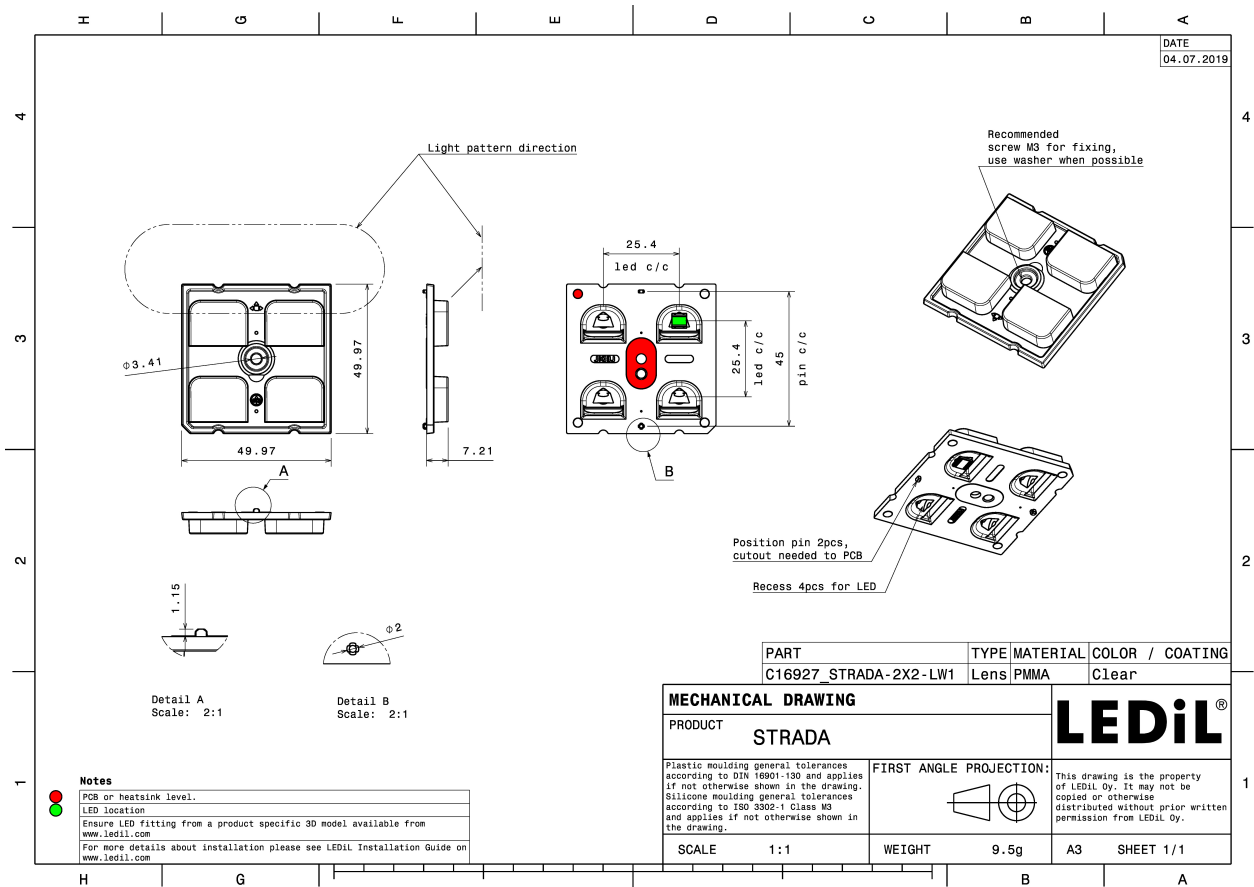
MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
STRADA-2X2-LW1	Multi-lens	PMMA	clear		



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16927_STRADA-2X2-LW1 » Box size: 480 x 280 x 300 mm	800	160	160	8.4

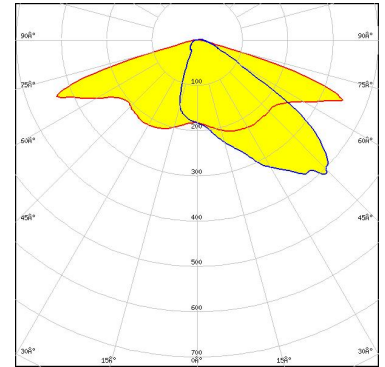


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



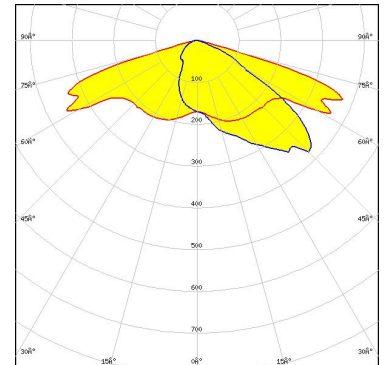
LED XP-G3
 FWHM / FWTM Asymmetric
 Efficiency 91 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C17580_STRADA-2X2-SHD-WHT



Light distribution files



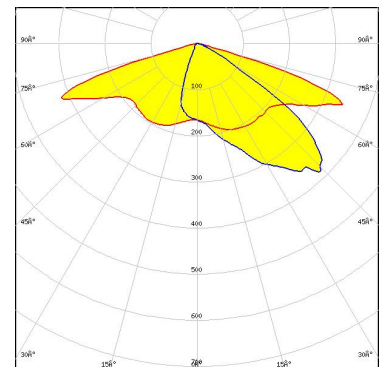
LED XP-G3
 FWHM / FWTM Asymmetric
 Efficiency 98 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-G3
 FWHM / FWTM Asymmetric
 Efficiency 80 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C17677_STRADA-2X2-SHD-BLK

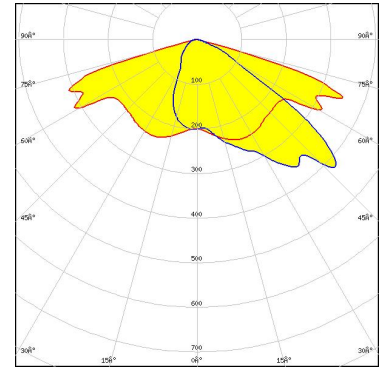


Light distribution files

OPTICAL RESULTS (MEASURED):



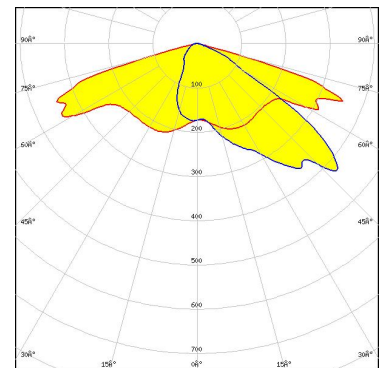
LED RecLED 122x50mm 1900lm 730 2x4 Opt G1
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



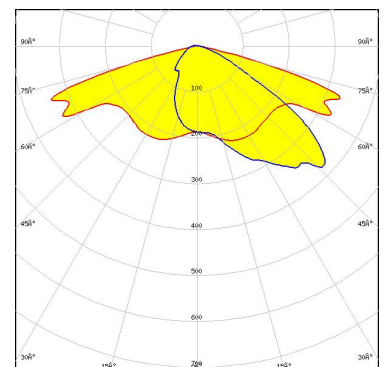
LED OSLOM Square CSSRM2/CSSRM3
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED Fortimo FastFlex LED 2x8 DA G4+
 FWHM / FWTM Asymmetric
 Efficiency 98 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

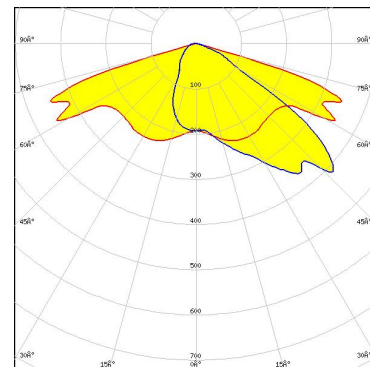


Light distribution files

OPTICAL RESULTS (MEASURED):

PHILIPS

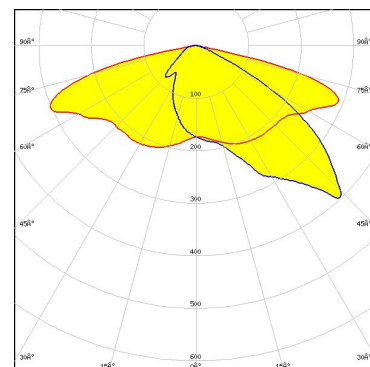
LED	Fortimo FastFlex LED 2x8 DA G5
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

LED	LH351D
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

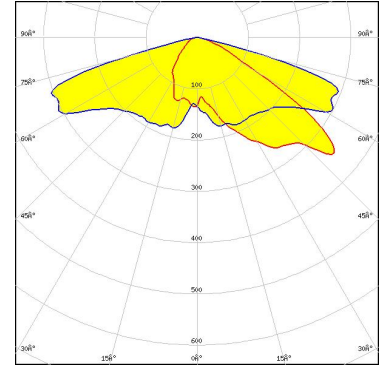
OPTICAL RESULTS (SIMULATED):



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

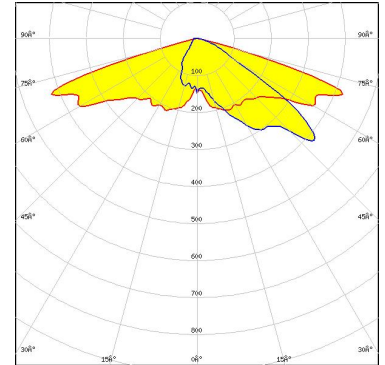
Protective plate, glass

Light distribution files



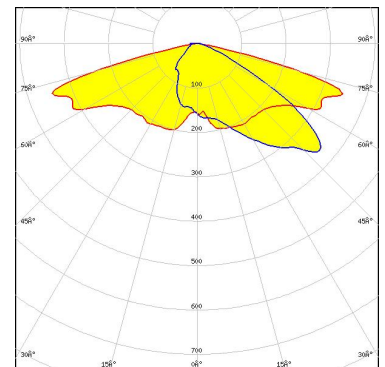
LED XP-G2
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files



LED XP-G2 HE
FWHM / FWTM Asymmetric
Efficiency 93 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files



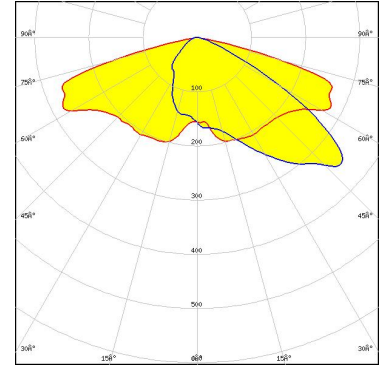
OPTICAL RESULTS (SIMULATED):



LED XP-G2 HE
 FWHM / FWTM Asymmetric
 Efficiency 85 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Protective plate, glass

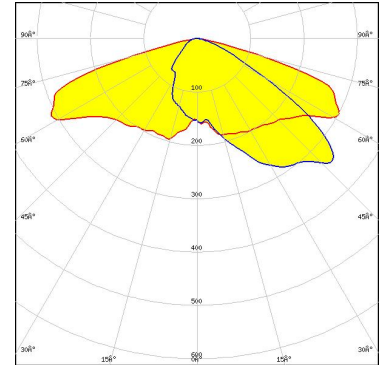
Light distribution files



LED XP-G3
 FWHM / FWTM Asymmetric
 Efficiency 85 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Protective plate, glass

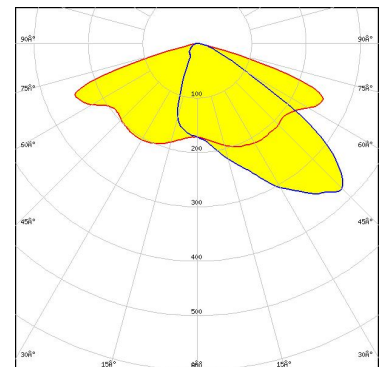
Light distribution files



LED XP-G3
 FWHM / FWTM Asymmetric
 Efficiency 78 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C17580_STRADA-2X2-SHD-WHT

Protective plate, glass

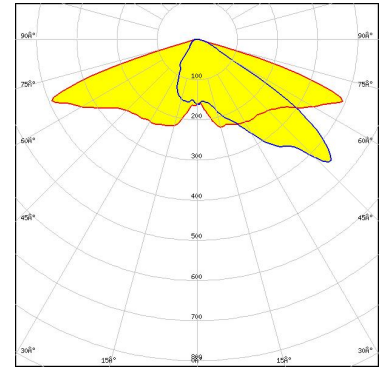
Light distribution files



OPTICAL RESULTS (SIMULATED):



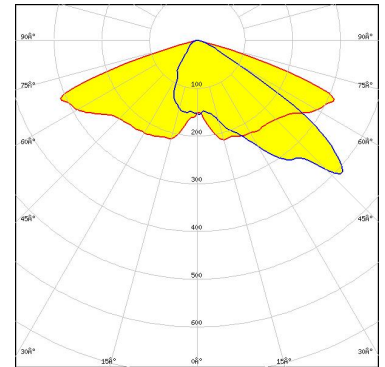
LED XP-G4
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-G4
 FWHM / FWTM Asymmetric
 Efficiency 83 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

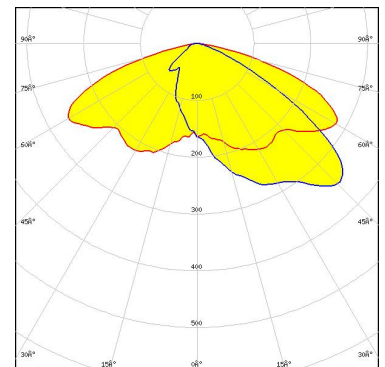


Protective plate, glass

Light distribution files



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



Protective plate, glass

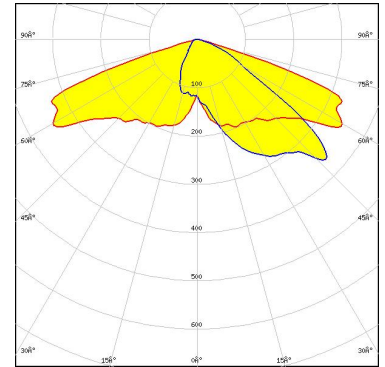
Light distribution files

OPTICAL RESULTS (SIMULATED):



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

Protective plate, glass

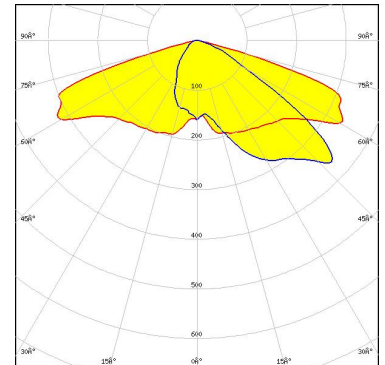


Light distribution files



LED XT-E HE
FWHM / FWTM Asymmetric
Efficiency 85 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

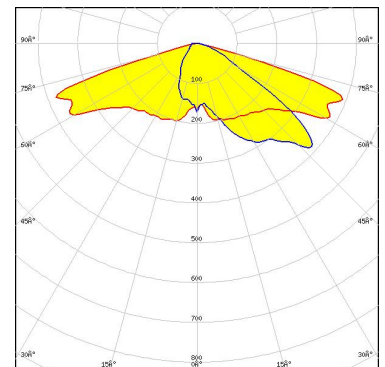
Protective plate, glass



Light distribution files



LED XT-E HE
FWHM / FWTM Asymmetric
Efficiency 95 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



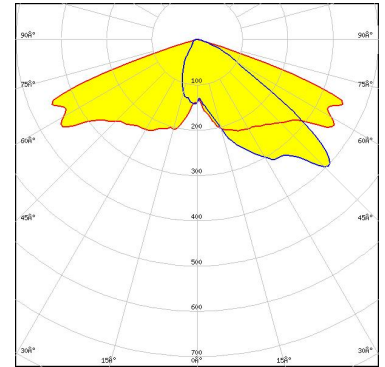
Light distribution files

OPTICAL RESULTS (SIMULATED):



LED LUXEON 3030 2D (Round LES)
 FWHM / FWTM Asymmetric
 Efficiency 85 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

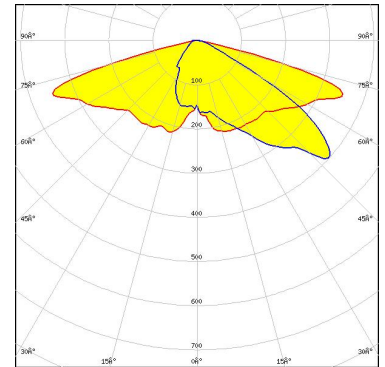
Protective plate, glass



Light distribution files



LED LUXEON HL2X
 FWHM / FWTM Asymmetric
 Efficiency 93 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

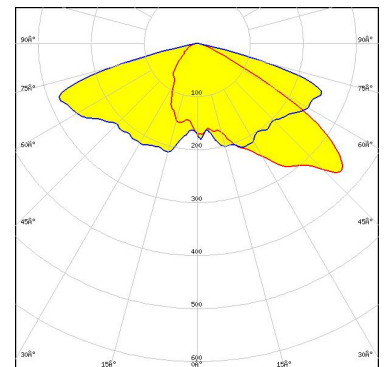


Light distribution files



LED LUXEON HL2X
 FWHM / FWTM Asymmetric
 Efficiency 83 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Protective plate, glass



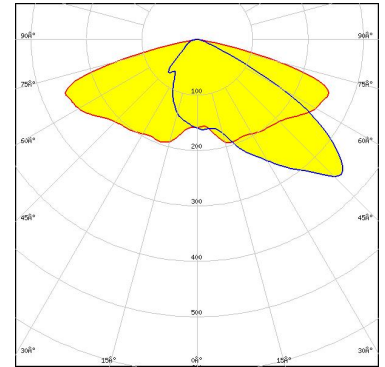
Light distribution files

OPTICAL RESULTS (SIMULATED):



LED LUXEON HL2X-D
 FWHM / FWTM Asymmetric
 Efficiency 82 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

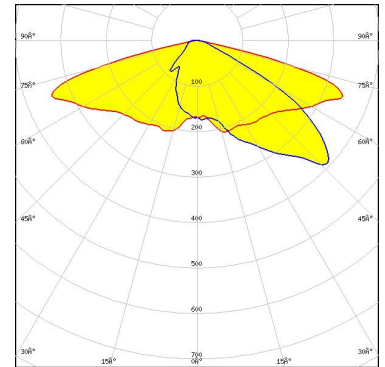
Protective plate, glass



Light distribution files



LED LUXEON HL2X-D
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

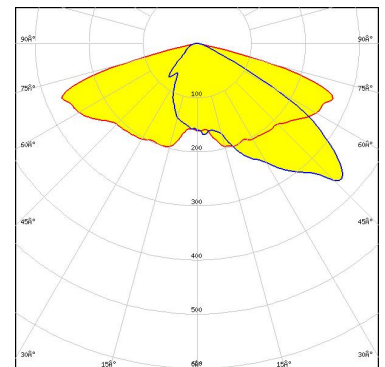


Light distribution files



LED LUXEON HL2X-E
 FWHM / FWTM Asymmetric
 Efficiency 83 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Protective plate, glass

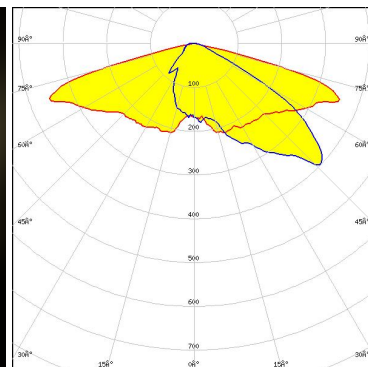


Light distribution files

OPTICAL RESULTS (SIMULATED):



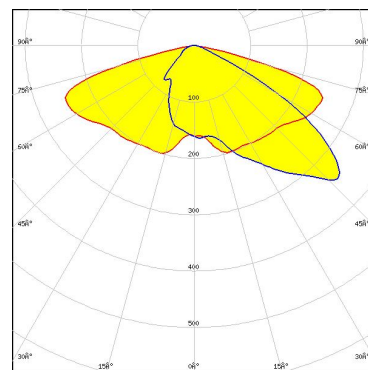
LED LUXEON HL2X-E
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON HL2X-P
 FWHM / FWTM Asymmetric
 Efficiency 82 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

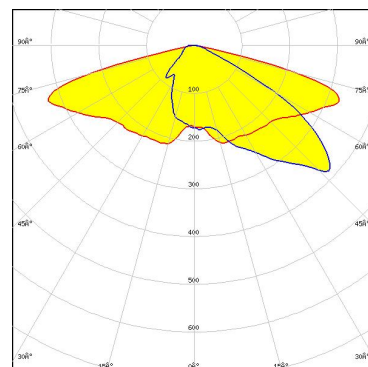


Protective plate, glass

Light distribution files



LED LUXEON HL2X-P
 FWHM / FWTM Asymmetric
 Efficiency 95 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



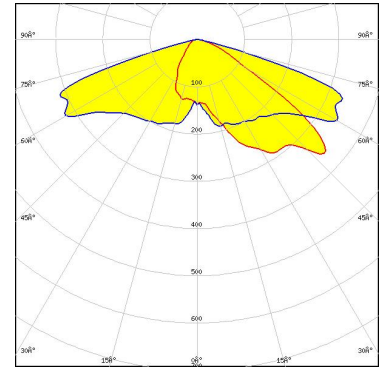
Light distribution files

OPTICAL RESULTS (SIMULATED):



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

Protective plate, glass

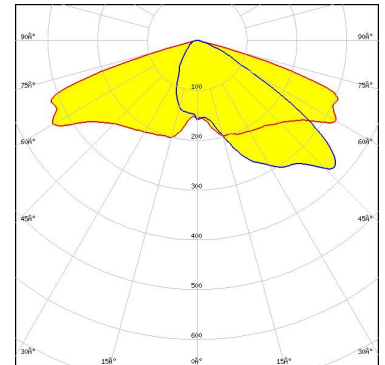


Light distribution files



LED LUXEON V2
FWHM / FWTM Asymmetric
Efficiency 86 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

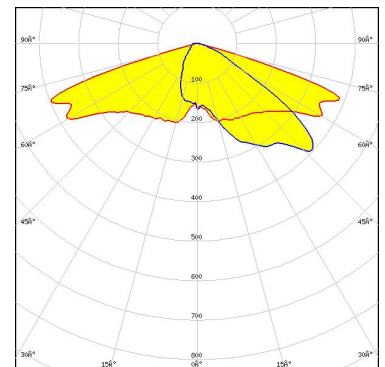
Protective plate, glass



Light distribution files



LED LUXEON V2
FWHM / FWTM Asymmetric
Efficiency 95 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

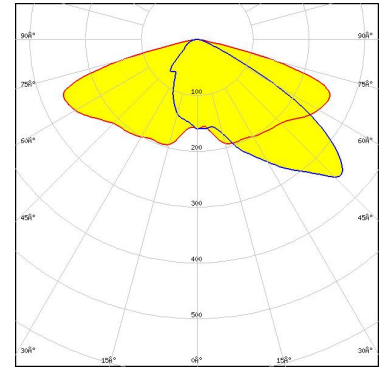
OPTICAL RESULTS (SIMULATED):



LED	LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)
FWHM / FWTM	Asymmetric
Efficiency	82 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

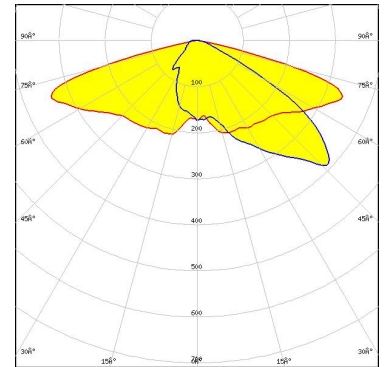
Protective plate, glass

Light distribution files



LED	LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)
FWHM / FWTM	Asymmetric
Efficiency	95 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

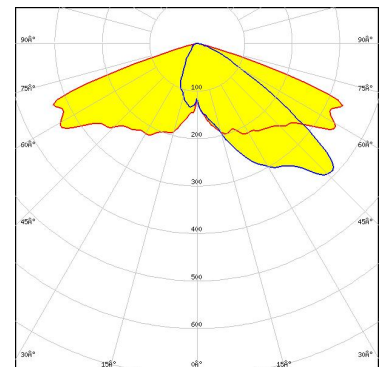
Light distribution files



LED	NFSx757G
FWHM / FWTM	Asymmetric
Efficiency	83 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Protective plate, glass

Light distribution files

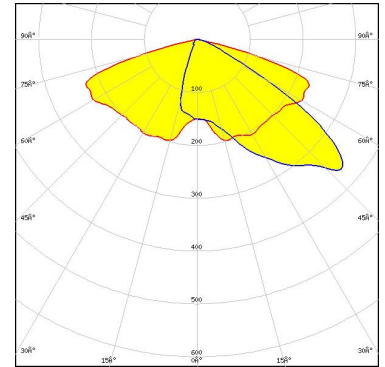


OPTICAL RESULTS (SIMULATED):



LED NVSW219F
 FWHM / FWTM Asymmetric
 Efficiency 73 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C17580_STRADA-2X2-SHD-WHT

Protective plate, glass

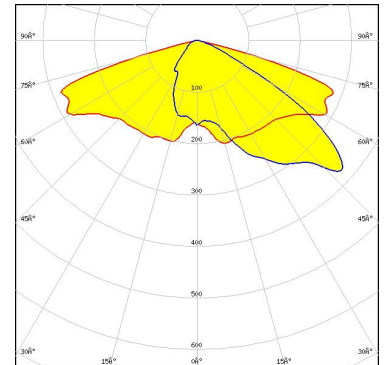


Light distribution files



LED NVSW219F
 FWHM / FWTM Asymmetric
 Efficiency 85 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Protective plate, glass

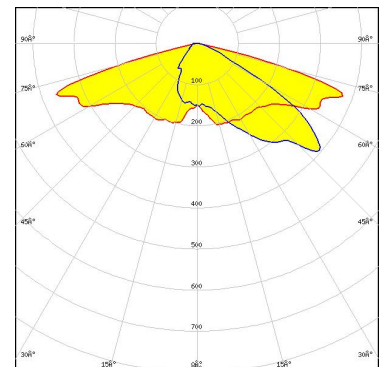


Light distribution files



LED NVSW219F
 FWHM / FWTM Asymmetric
 Efficiency 93 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

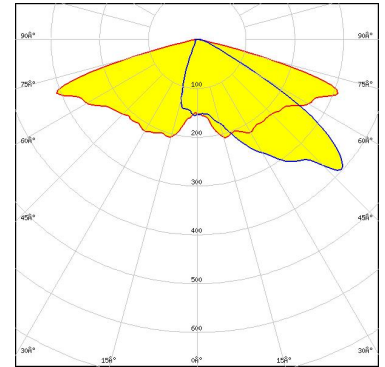
Light distribution files



OPTICAL RESULTS (SIMULATED):



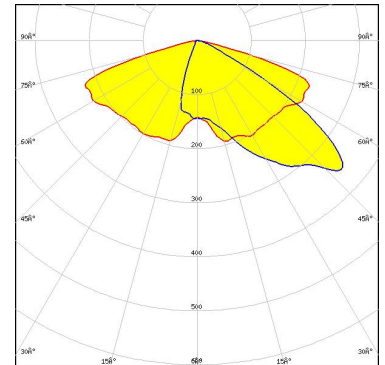
LED NVSW219F
 FWHM / FWTM Asymmetric
 Efficiency 82 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C17677_STRADA-2X2-SHD-BLK



Light distribution files



LED NVSW219F
 FWHM / FWTM Asymmetric
 Efficiency 71 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C17677_STRADA-2X2-SHD-BLK

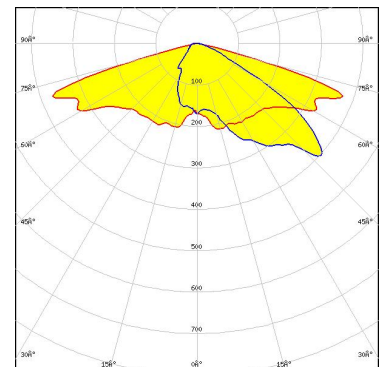


Light distribution files

Protective plate, glass



LED NVSW219F
 FWHM / FWTM Asymmetric
 Efficiency 95 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

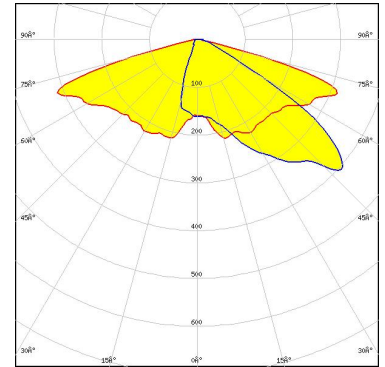


Light distribution files

OPTICAL RESULTS (SIMULATED):



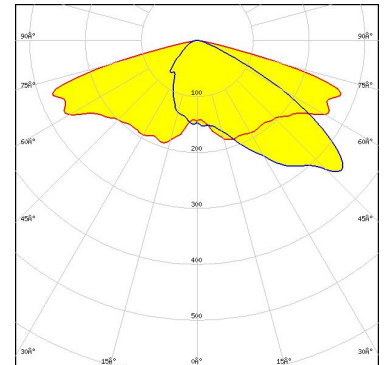
LED NVSW219F
 FWHM / FWTM Asymmetric
 Efficiency 85 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C17580_STRADA-2X2-SHD-WHT



Light distribution files



LED NVSW319B
 FWHM / FWTM Asymmetric
 Efficiency 82 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

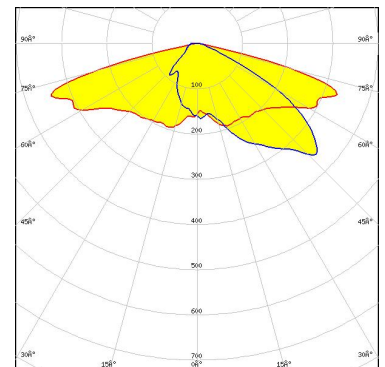


Light distribution files

Protective plate, glass



LED NVSW519A
 FWHM / FWTM Asymmetric
 Efficiency 93 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

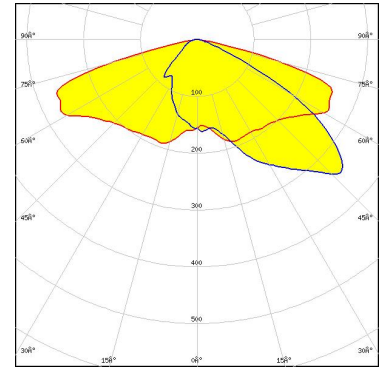
OPTICAL RESULTS (SIMULATED):



LED NVSW519A
 FWHM / FWTM Asymmetric
 Efficiency 84 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Protective plate, glass

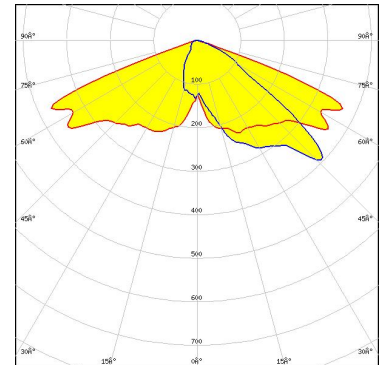
Light distribution files



LED NVSxE21A
 FWHM / FWTM Asymmetric
 Efficiency 84 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Protective plate, glass

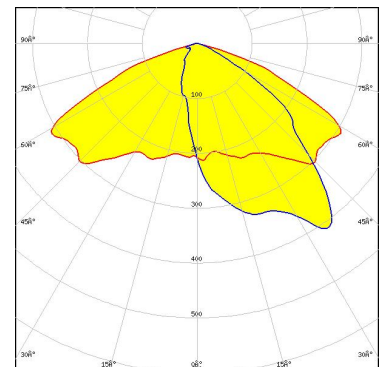
Light distribution files



LED NVSxE21A
 FWHM / FWTM Asymmetric
 Efficiency 82 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 4
 Light colour/type White
 Required components:

Protective plate, glass

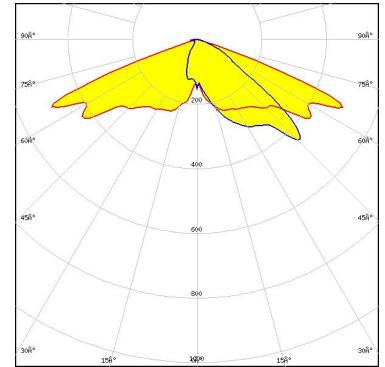
Light distribution files



OPTICAL RESULTS (SIMULATED):



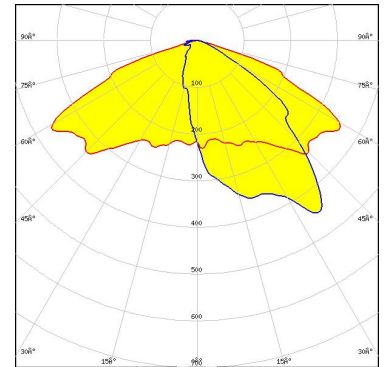
LED NVSxE21A
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



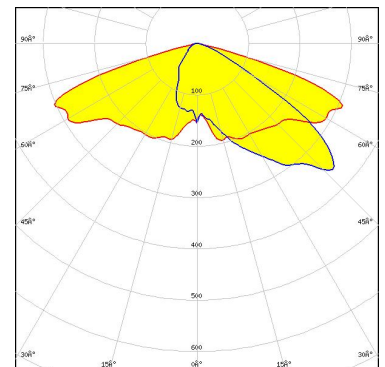
LED NVSxE21A
 FWHM / FWTM Asymmetric
 Efficiency 93 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 4
 Light colour/type White
 Required components:



Light distribution files



LED NVSxx19B/NVSxx19C
 FWHM / FWTM Asymmetric
 Efficiency 82 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Protective plate, glass

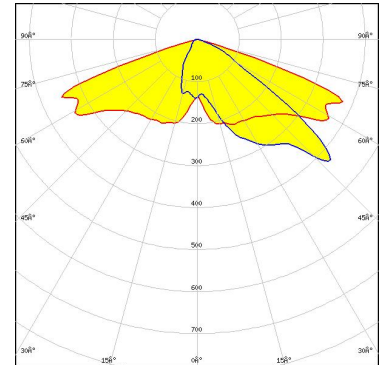
Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED OSCONIQ C 2424
FWHM / FWTM Asymmetric
Efficiency 86 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

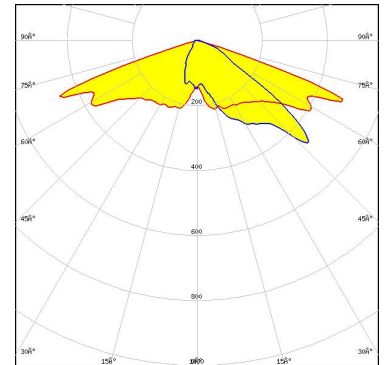
Protective plate, glass



Light distribution files

OSRAM
Opto Semiconductors

LED OSCONIQ C 2424
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

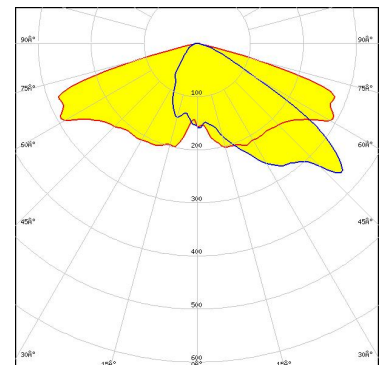


Light distribution files

OSRAM
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM Asymmetric
Efficiency 83 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass



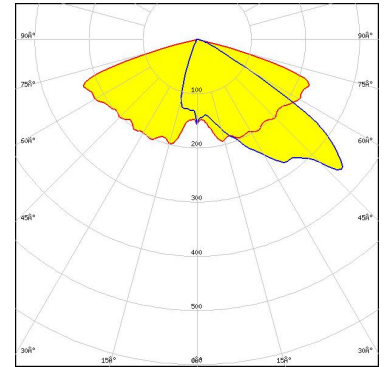
Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM Asymmetric
Efficiency 69 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C17677_STRADA-2X2-SHD-BLK

Protective plate, glass

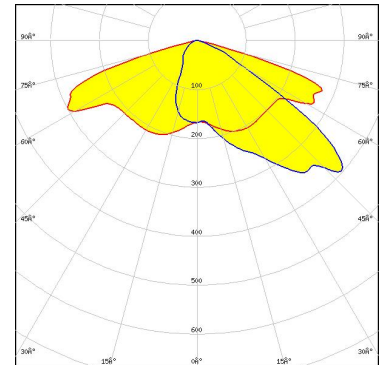


Light distribution files

OSRAM
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM Asymmetric
Efficiency 86 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass

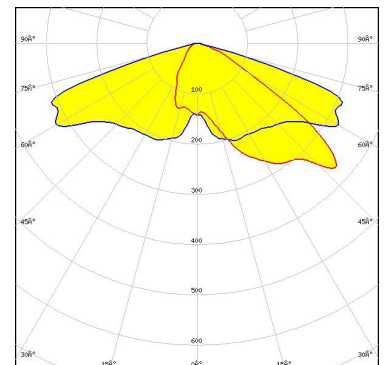


Light distribution files

OSRAM
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM Asymmetric
Efficiency 86 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass



Light distribution files

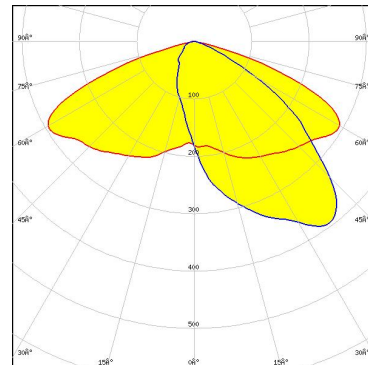
OPTICAL RESULTS (SIMULATED):

PHILIPS

LED	Fortimo FastFlex LED 2x8 DA (U)HE
FWHM / FWTM	Asymmetric
Efficiency	84 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Protective plate, glass

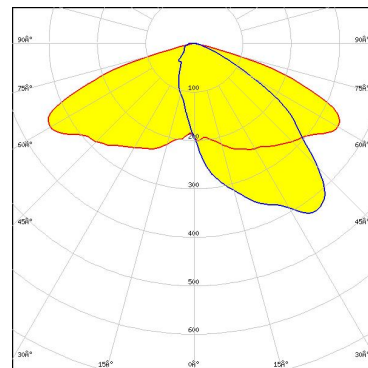
Light distribution files



PHILIPS

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

Light distribution files

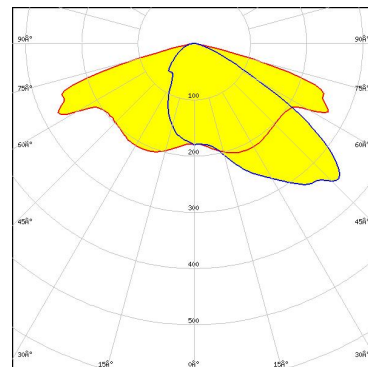


PHILIPS

LED	Fortimo FastFlex LED 2x8 DA G4+
FWHM / FWTM	Asymmetric
Efficiency	85 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Protective plate, glass

Light distribution files



OPTICAL RESULTS (SIMULATED):

PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4+

FWHM / FWTM Asymmetric

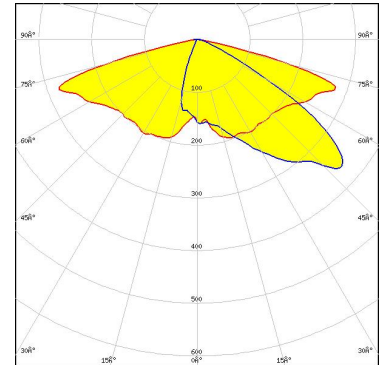
Efficiency 78 %

Peak intensity 0.5 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:
C17677_STRADA-2X2-SHD-BLK



Light distribution files

PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4+

FWHM / FWTM Asymmetric

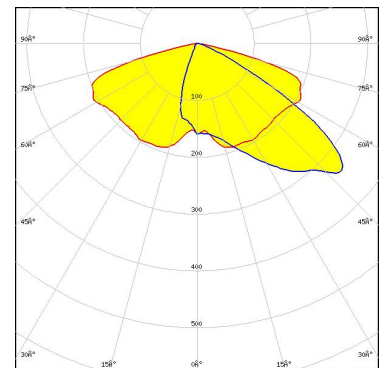
Efficiency 70 %

Peak intensity 0.4 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:
C17677_STRADA-2X2-SHD-BLK



Light distribution files

Protective plate, glass

PHILIPS

LED Fortimo FastFlex LED 2x8 DA G5

FWHM / FWTM Asymmetric

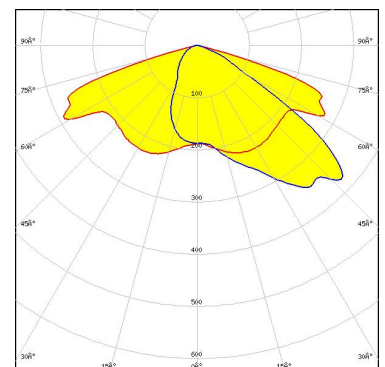
Efficiency 86 %

Peak intensity 0.4 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:



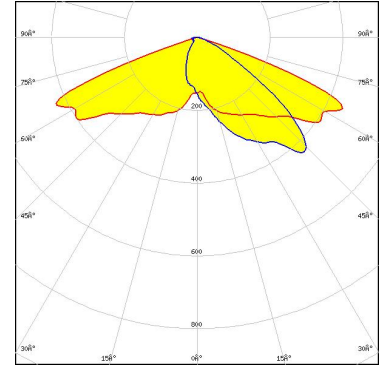
Light distribution files

Protective plate, glass

OPTICAL RESULTS (SIMULATED):

SAMSUNG

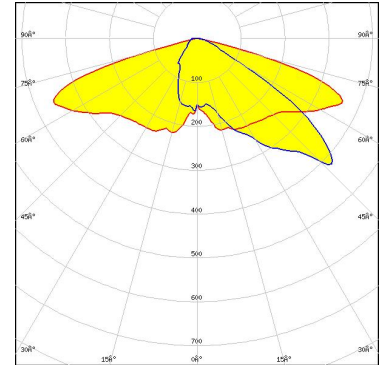
LED LH231B
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

SAMSUNG

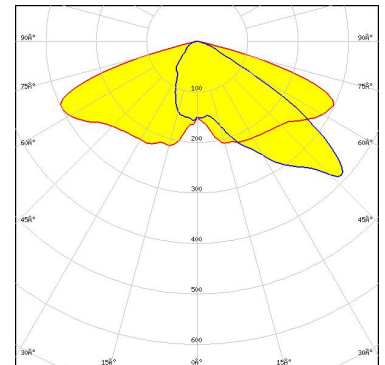
LED LH351B
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

SAMSUNG

LED LH351B
 FWHM / FWTM Asymmetric
 Efficiency 85 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



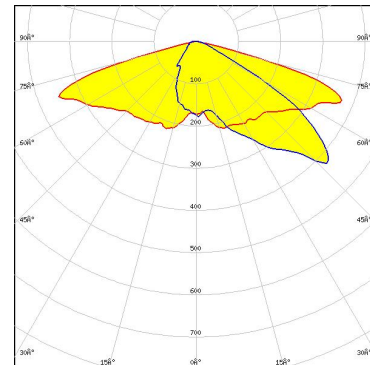
Protective plate, glass

Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

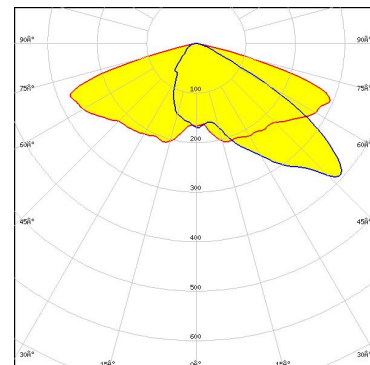
LED LH351C
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

SAMSUNG

LED LH351C
 FWHM / FWTM Asymmetric
 Efficiency 85 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

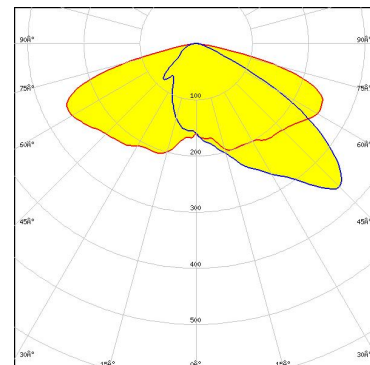


Light distribution files

Protective plate, glass

SAMSUNG

LED LH351D
 FWHM / FWTM Asymmetric
 Efficiency 85 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



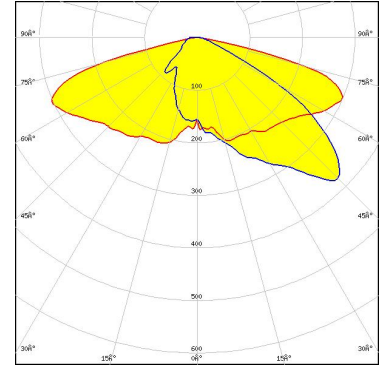
Light distribution files

Protective plate, glass

OPTICAL RESULTS (SIMULATED):

SAMSUNG

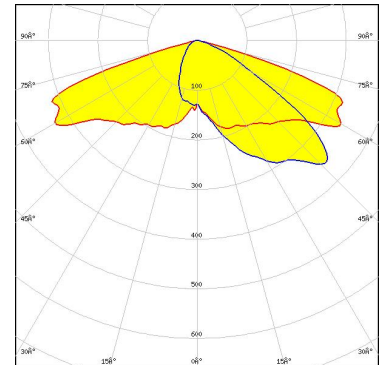
LED LH351D
 FWHM / FWTM Asymmetric
 Efficiency 95 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED Z5M3
 FWHM / FWTM Asymmetric
 Efficiency 83 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

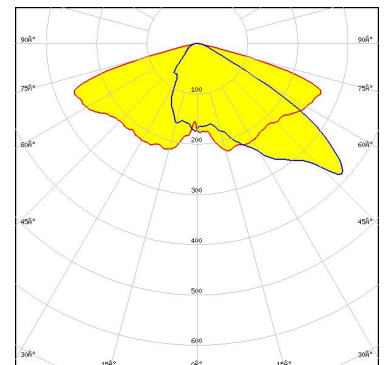


Light distribution files

Protective plate, glass



LED Z5M3-E1
 FWHM / FWTM Asymmetric
 Efficiency 83 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



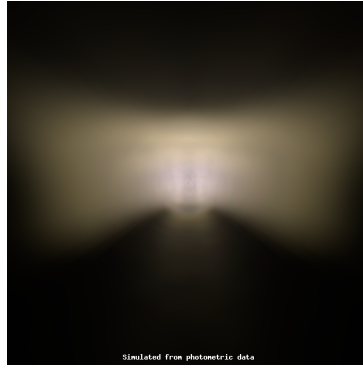
Light distribution files

Protective plate, glass

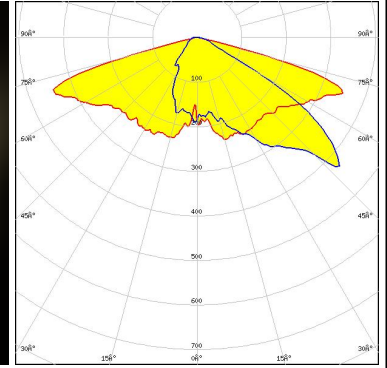
OPTICAL RESULTS (SIMULATED):



LED Z5M3-E1
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



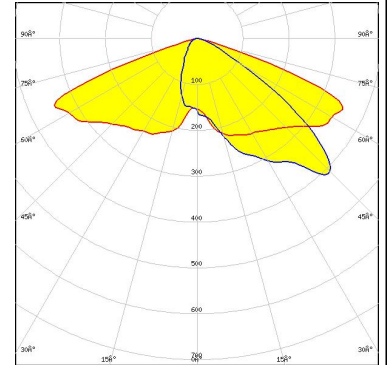
Simulated from photometric data



Light distribution files



LED Z5M4
 FWHM / FWTM Asymmetric
 Efficiency 87 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

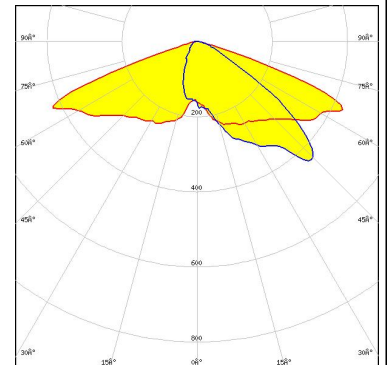


Protective plate, glass

Light distribution files

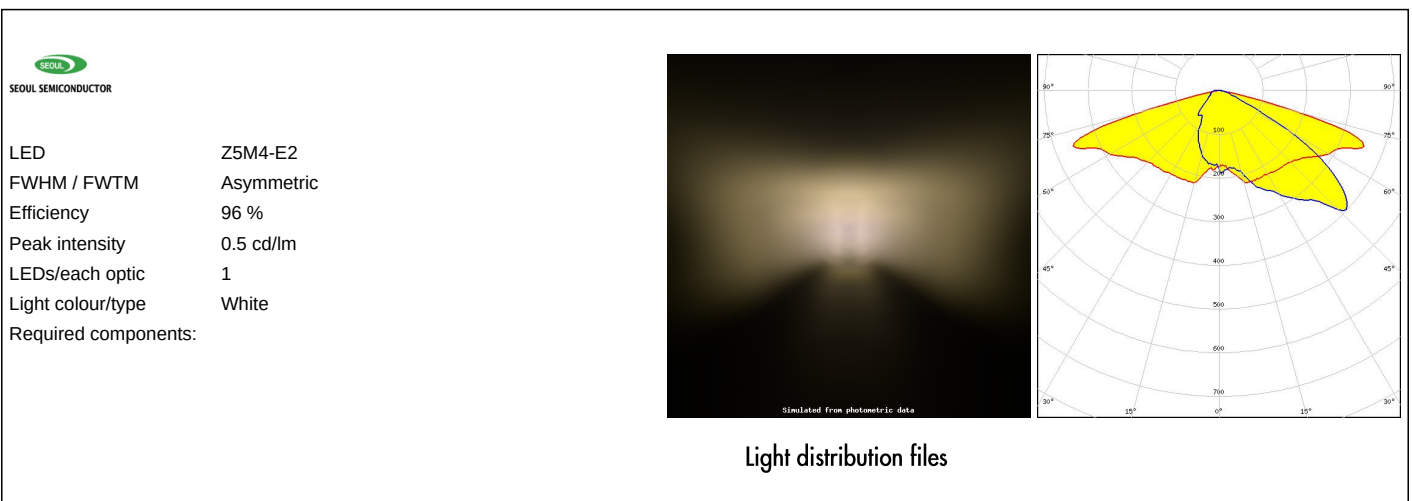
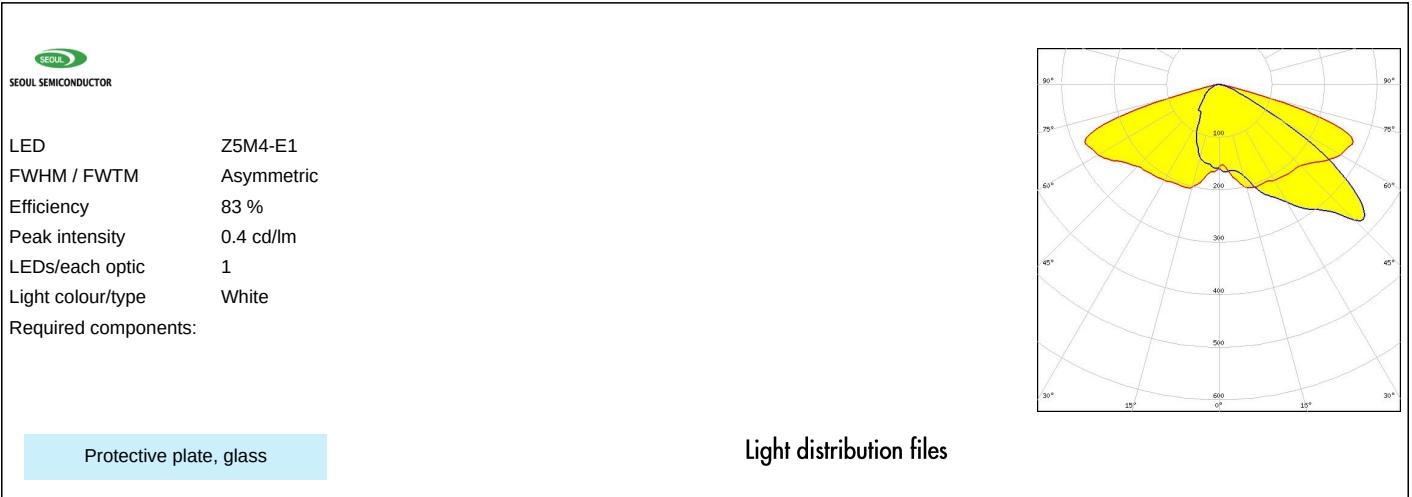


LED Z5M4
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

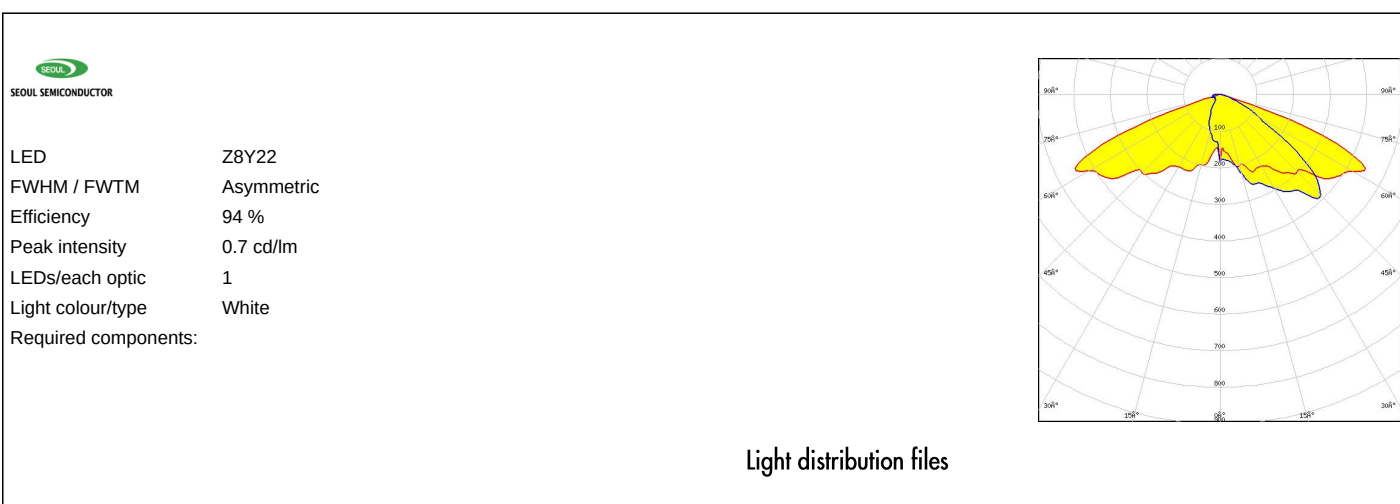


Light distribution files

OPTICAL RESULTS (SIMULATED):



OPTICAL RESULTS (SIMULATED):



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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