

STRADA-2X2-A-T

Short IESNA Type II beam for narrow roads or high poles with extremely low glare

SPECIFICATION:

Dimensions	50.0 x 50.0
Height	7.7 mm
Fastening	glue, pin, screw
ROHS compliant	yes ⓘ

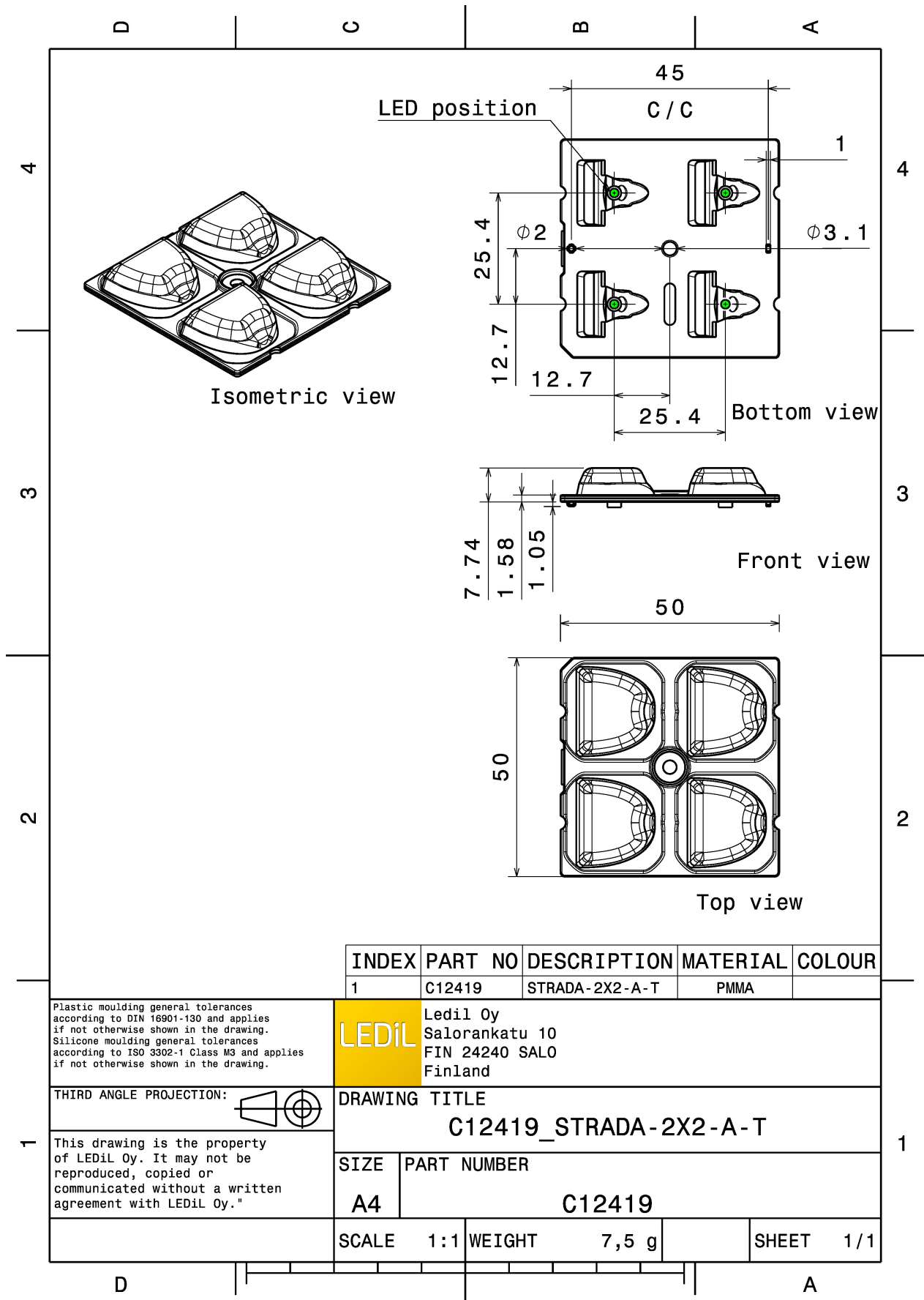
MATERIALS:

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

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12419_STRADA-2X2-A-T » Box size: 480 x 280 x 300 mm	800	160	160	8.1





INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C12419	STRADA-2X2-A-T	PMMA	

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

LEDiL Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
C12419_STRADA-2X2-A-T

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SIZE	PART NUMBER
A4	C12419

SCALE	1:1	WEIGHT	7,5 g	SHEET	1/1
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See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

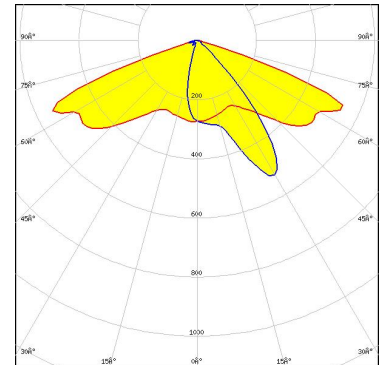


LED XP-G
 FWHM / FWTM Asymmetric
 Efficiency 93 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files



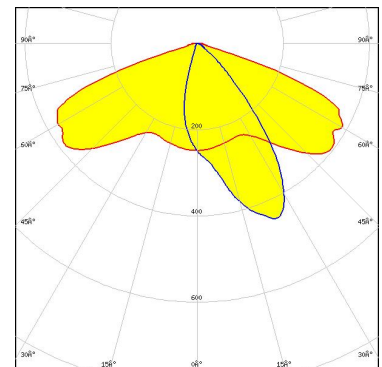
LED XP-G2
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-G3
 FWHM / FWTM Asymmetric
 Efficiency 84 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C17677_STRADA-2X2-SHD-BLK

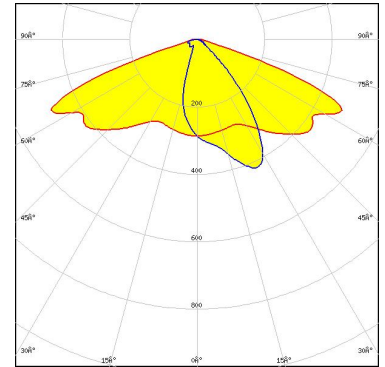


Light distribution files

OPTICAL RESULTS (MEASURED):



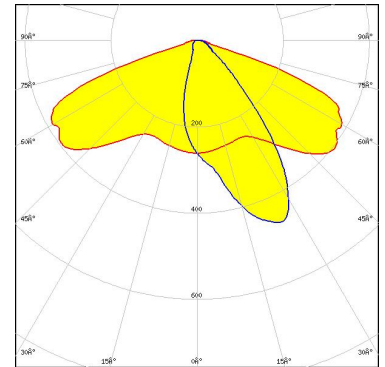
LED XP-G3
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



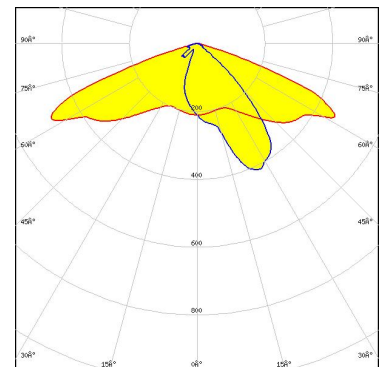
LED XP-G3
 FWHM / FWTM Asymmetric
 Efficiency 92 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C17580_STRADA-2X2-SHD-WHT



Light distribution files



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

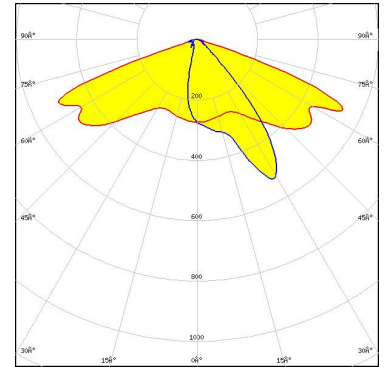


Light distribution files

OPTICAL RESULTS (MEASURED):



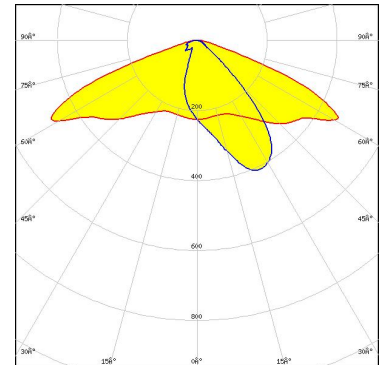
LED XP-L HI
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



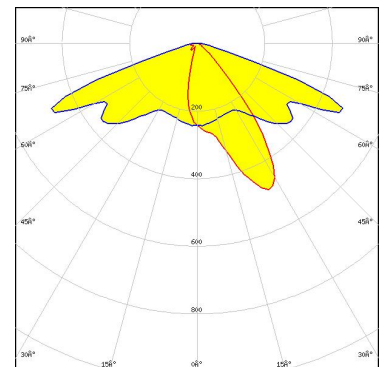
LED XP-L2
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



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

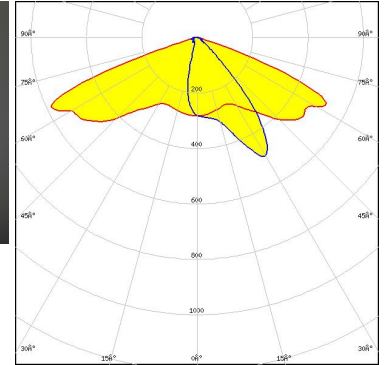


Light distribution files

OPTICAL RESULTS (MEASURED):

inventronics

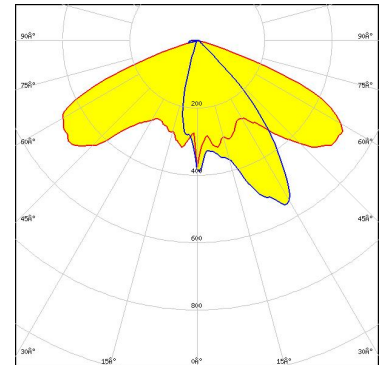
LED PrevaLED Brick HP 2x8
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

LUMILEDS

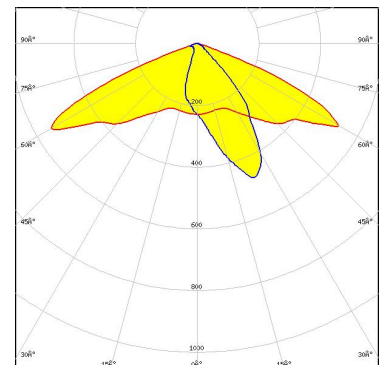
LED LUXEON H50-2
FWHM / FWTM Asymmetric
Efficiency 0 %
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

LUMILEDS

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

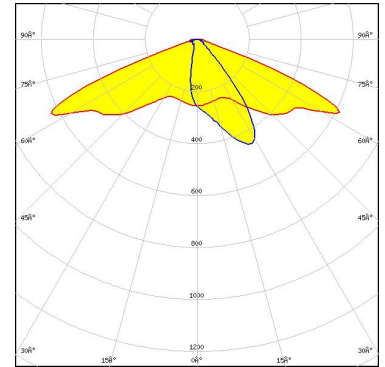


Light distribution files

OPTICAL RESULTS (MEASURED):



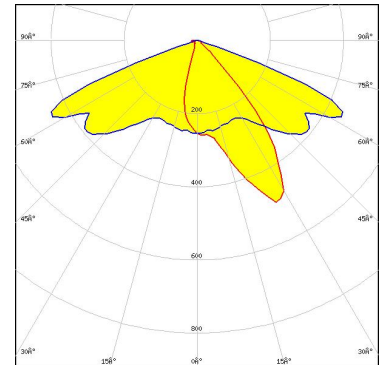
LED LUXEON Q
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



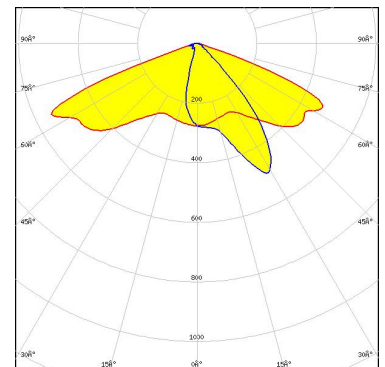
LED LUXEON Rebel ES
FWHM / FWTM Asymmetric
Efficiency 93 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



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

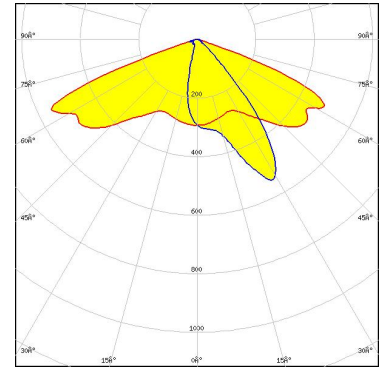


Light distribution files

OPTICAL RESULTS (MEASURED):



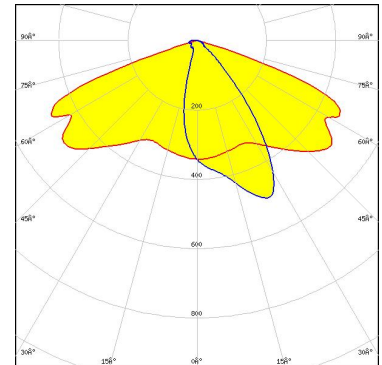
LED LUXEON TX
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



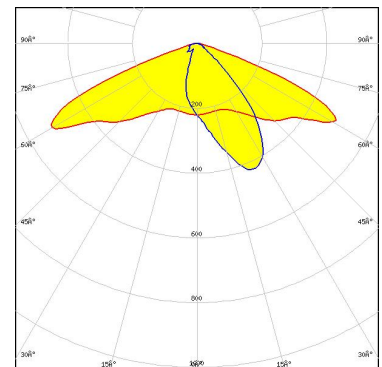
LED RecLED 122x50mm 1900lm 730 2x4 Opt G1
FWHM / FWTM Asymmetric
Efficiency 98 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NS9x383
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

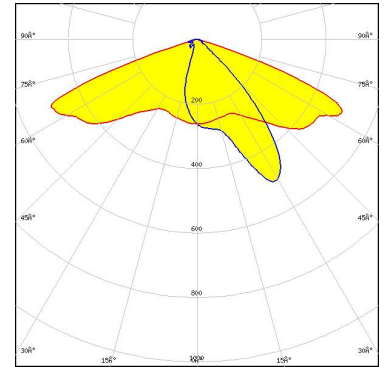


Light distribution files

OPTICAL RESULTS (MEASURED):



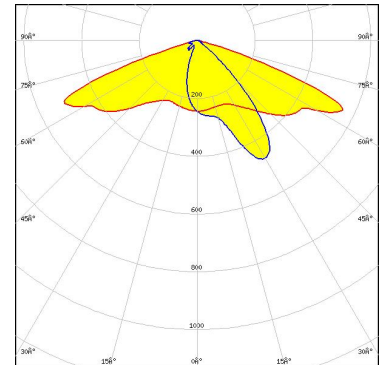
LED NVSW219F
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



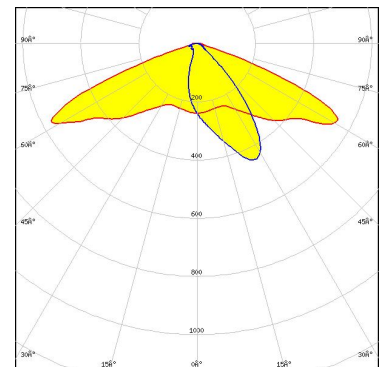
LED NVSW319B
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NVSW3x9A
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

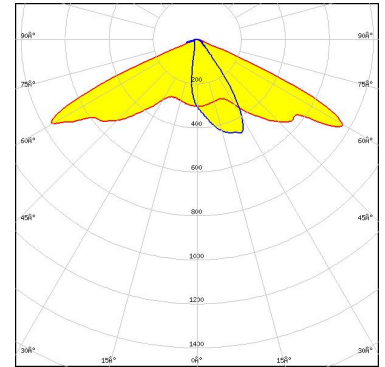


Light distribution files

OPTICAL RESULTS (MEASURED):



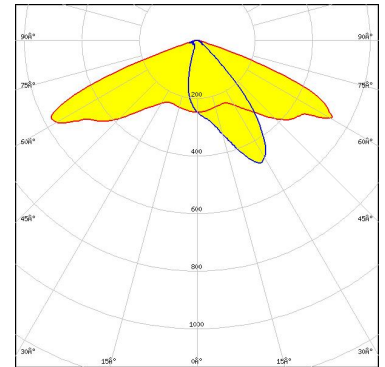
LED NVSxE21A
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



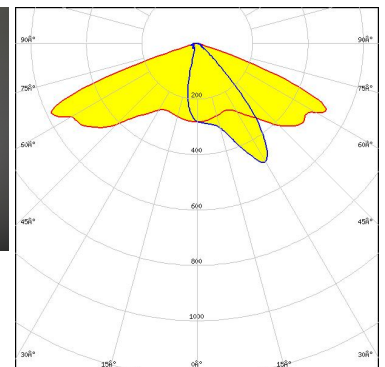
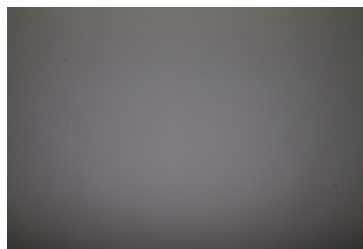
LED NVSxx19B/NVSxx19C
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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

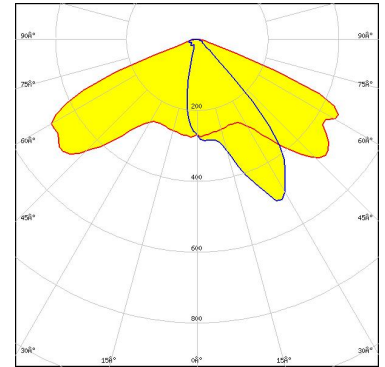


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

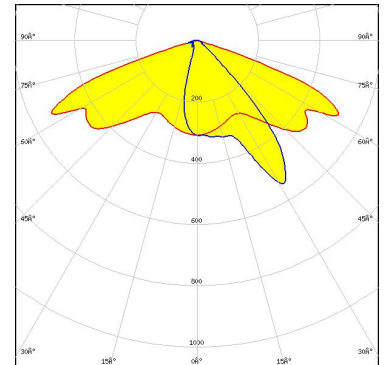
LED OSLON Square PC
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

PHILIPS

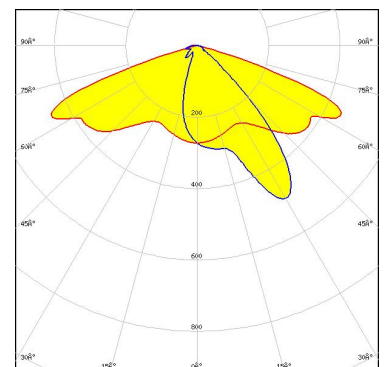
LED Fortimo FastFlex LED 2x8 DA G4
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4+
FWHM / FWTM Asymmetric
Efficiency 98 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

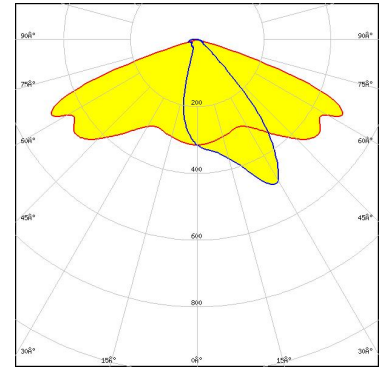


Light distribution files

OPTICAL RESULTS (MEASURED):

PHILIPS

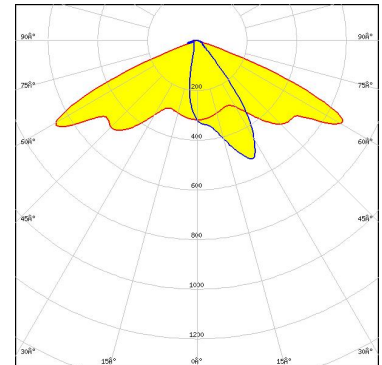
LED Fortimo FastFlex LED 2x8 DA G5
FWHM / FWTM Asymmetric
Efficiency 98 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

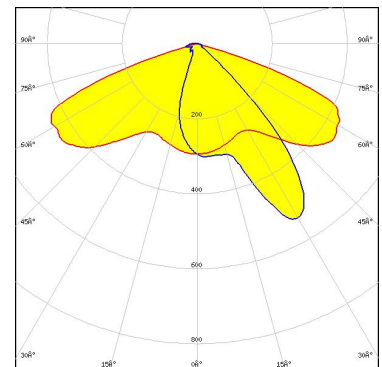
LED HiLOM RC12 Z (LH181B)
FWHM / FWTM Asymmetric
Efficiency 99 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED HiLOM RH16 (LH351C)
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

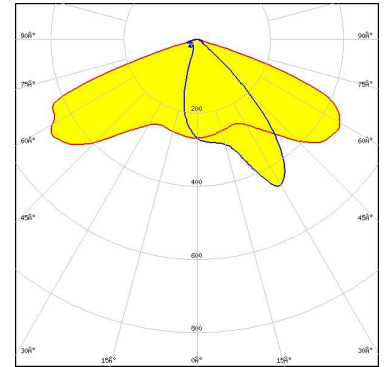


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

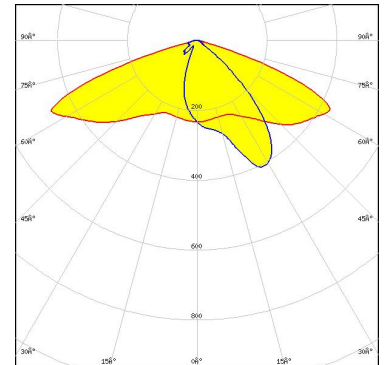
LED LH351B
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

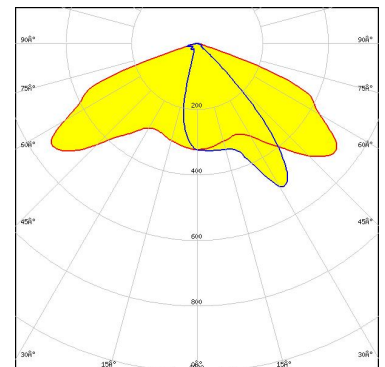
LED LH351D
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED LH351Z
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

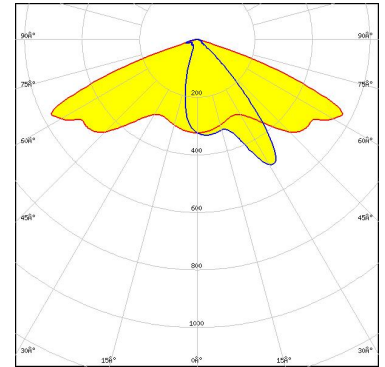


Light distribution files

OPTICAL RESULTS (MEASURED):



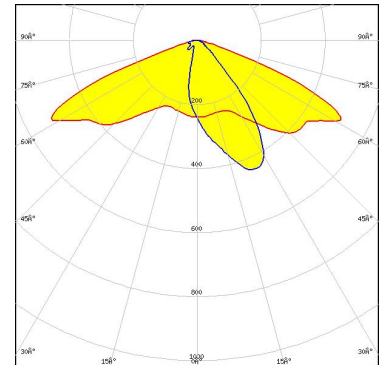
LED LED-Pa-L15c2W11c2-xxx-C050-01
FWHM / FWTM Asymmetric
Efficiency 98 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED Acrich MJT 4040
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



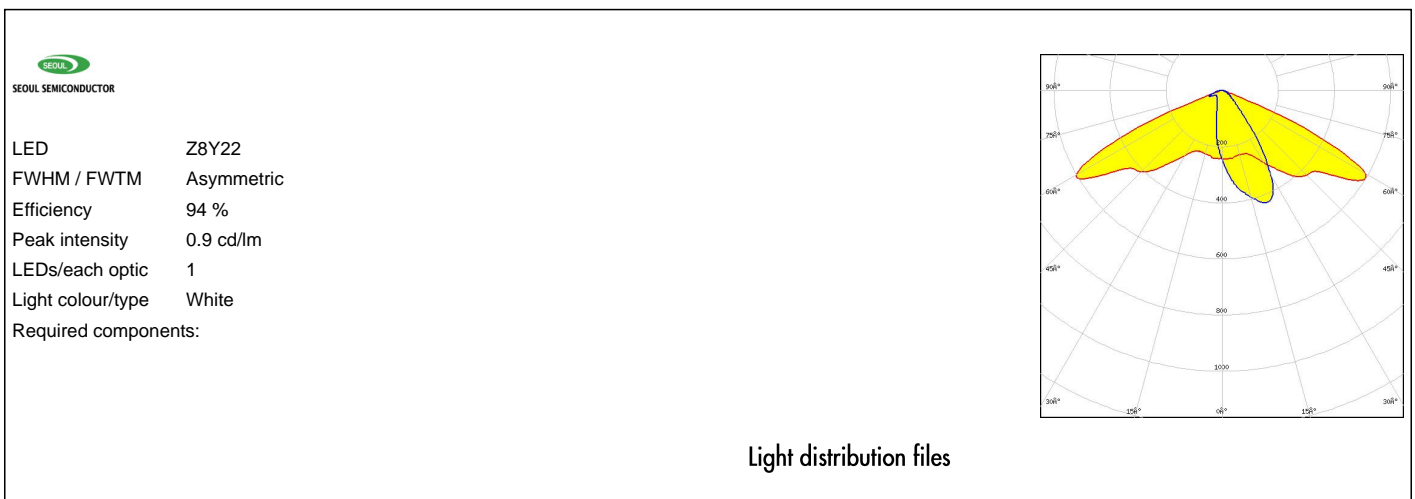
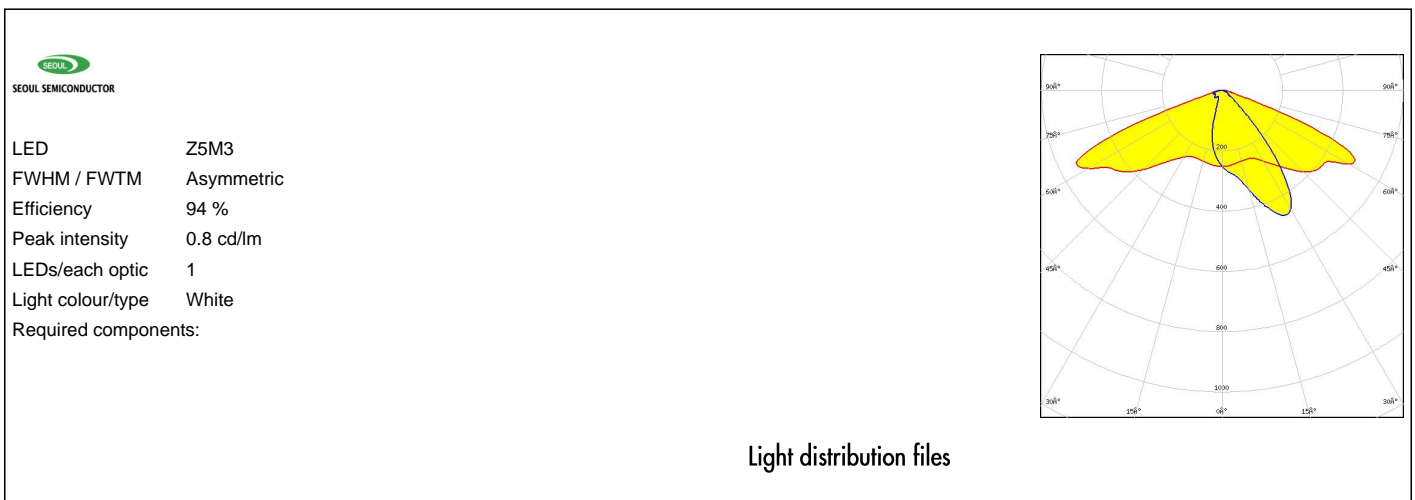
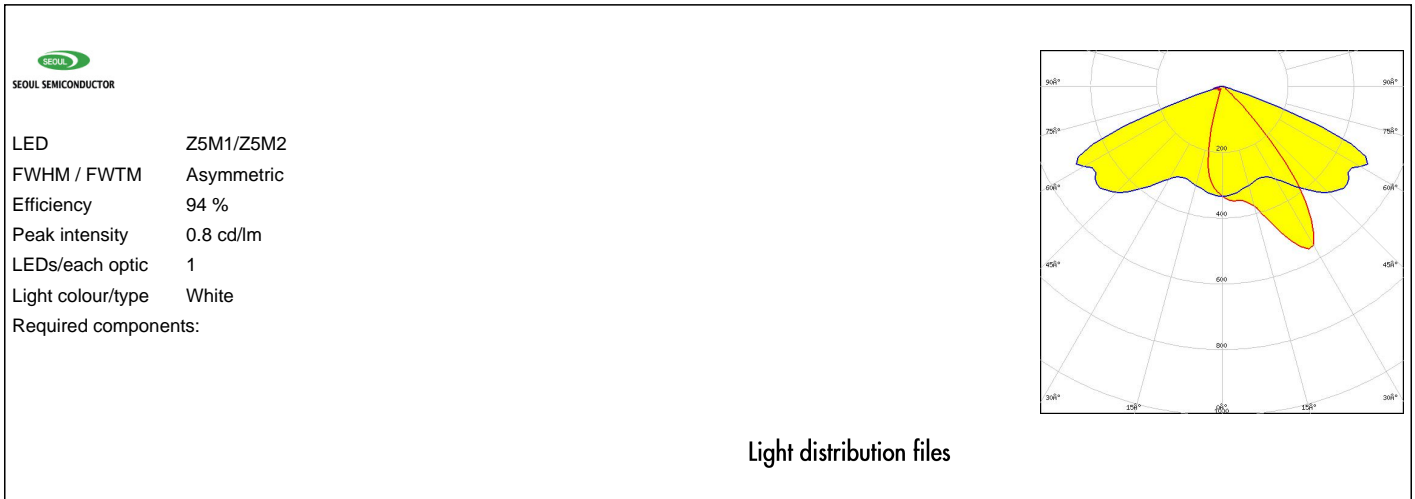
Light distribution files



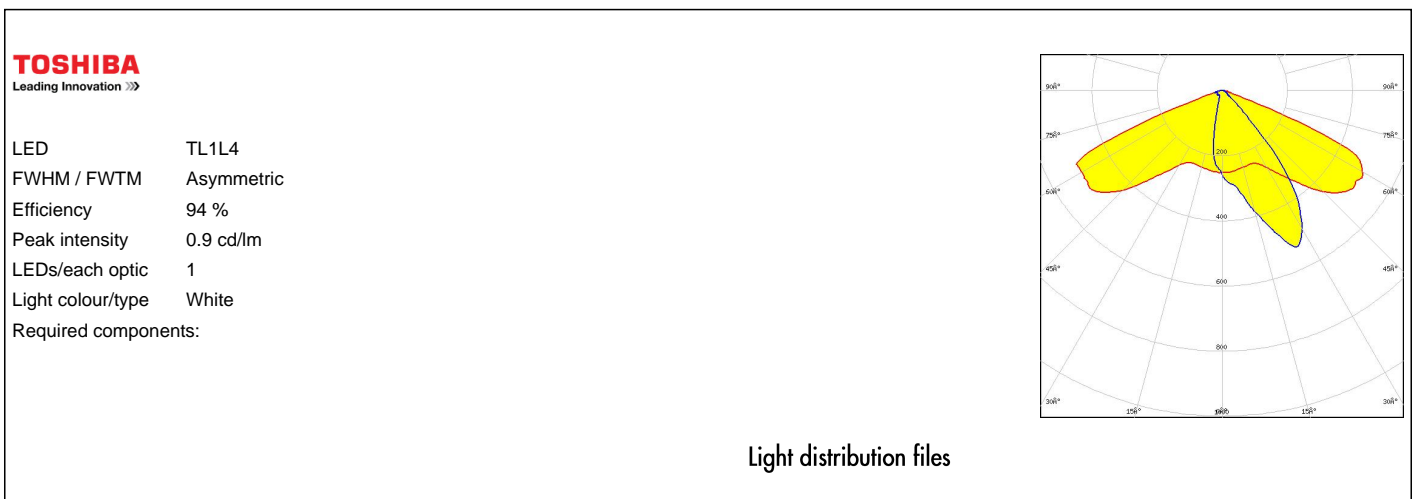
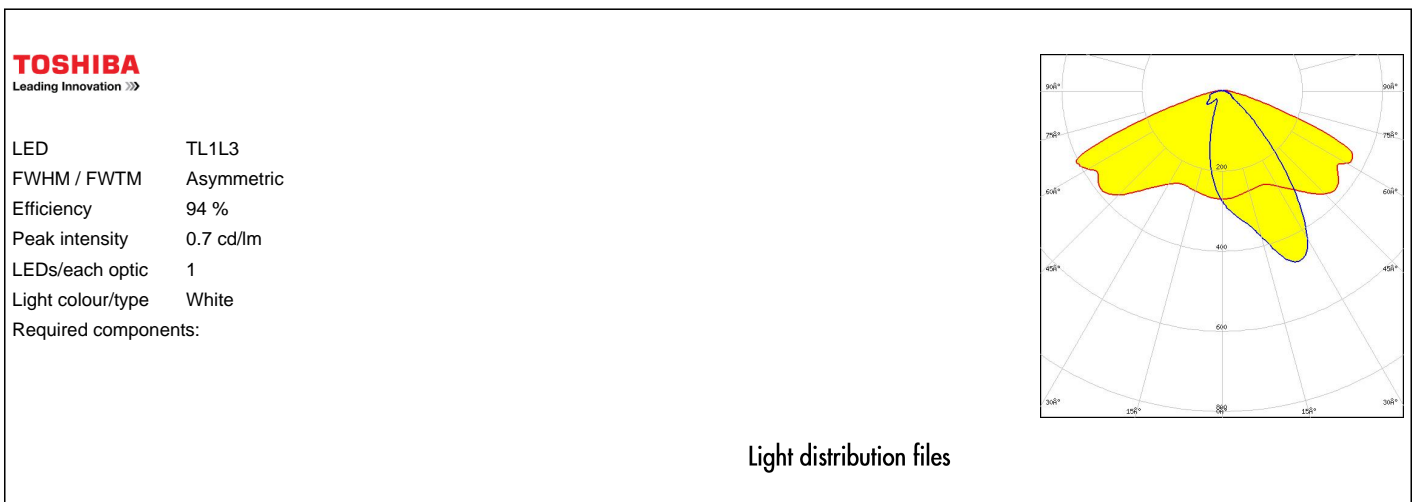
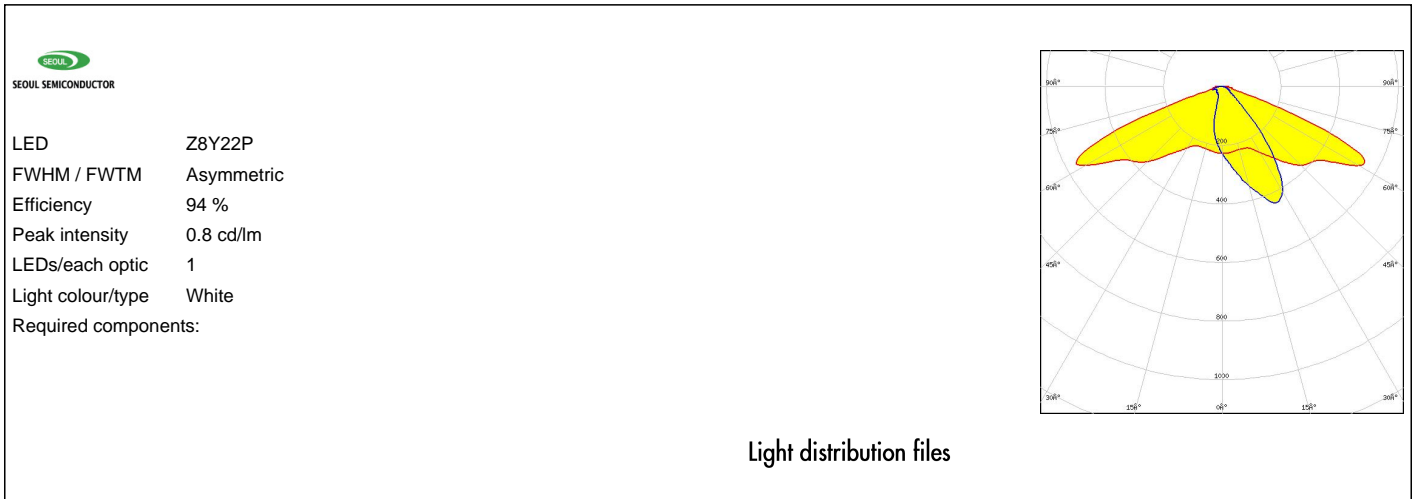
LED Z5
FWHM / FWTM Asymmetric
Efficiency 93 %
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (MEASURED):

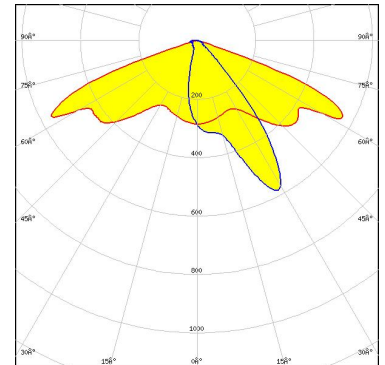
TRIDONIC

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

Light distribution files

TRIDONIC

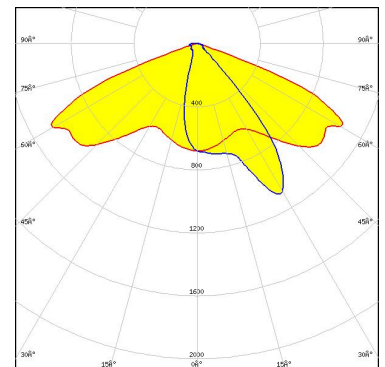
LED RLE 2x8 4000lm HP EXC2 OTD
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

TRIDONIC

LED RLE G1 49x121mm 2000lm xxx EXC OTD
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

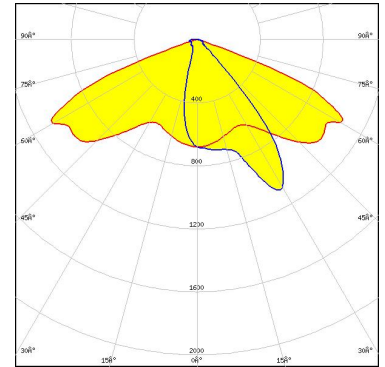


Light distribution files

OPTICAL RESULTS (MEASURED):

TRIDONIC

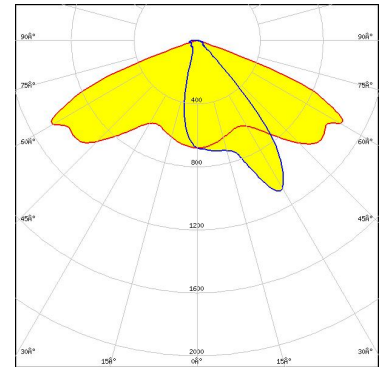
LED RLE G1 49x133mm 2000lm xxx EXC OTD
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

TRIDONIC

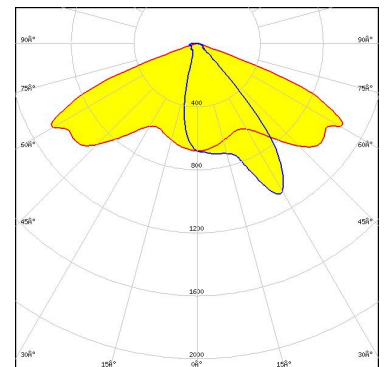
LED RLE G1 49x223mm 4000lm xxx EXC OTD
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

TRIDONIC

LED RLE G1 49x245mm 4000lm xxx EXC OTD
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

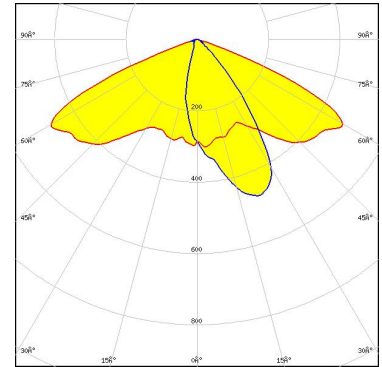
OPTICAL RESULTS (SIMULATED):



LED J Series 3030
FWHM / FWTM Asymmetric
Efficiency 86 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

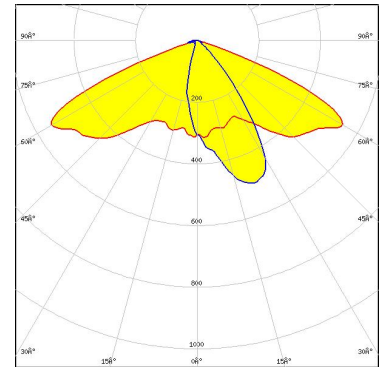
Protective plate, glass

Light distribution files



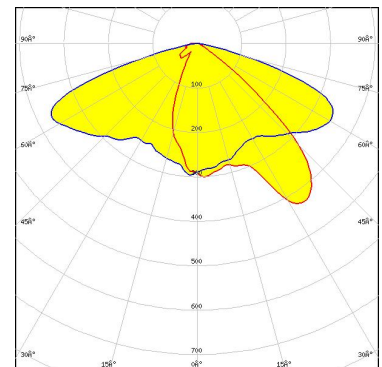
LED J Series 3030
FWHM / FWTM Asymmetric
Efficiency 95 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files



LED XHP35 HD
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):

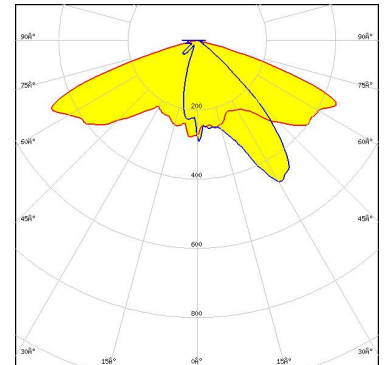


LED XP-G2 HE
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files



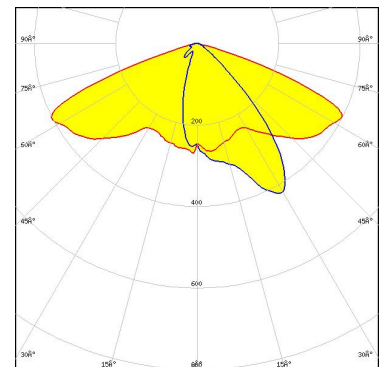
LED XP-G3
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-G3
 FWHM / FWTM Asymmetric
 Efficiency 85 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Protective plate, glass

Light distribution files

OPTICAL RESULTS (SIMULATED):

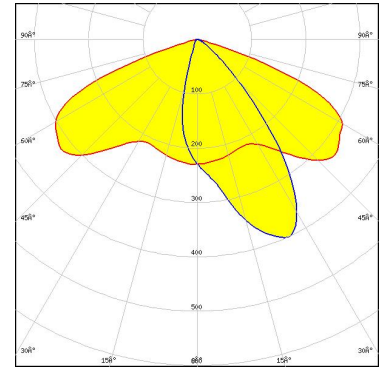


LED XP-G3
FWHM / FWTM Asymmetric
Efficiency 72 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C17677_STRADA-2X2-SHD-BLK

Protective plate, glass



Light distribution files

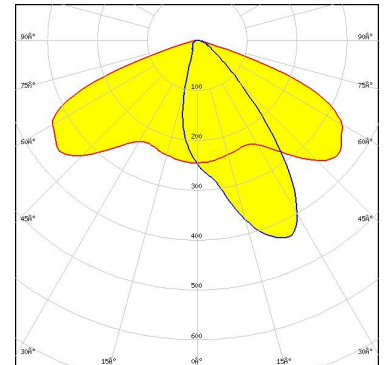


LED XP-G3
FWHM / FWTM Asymmetric
Efficiency 81 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C17580_STRADA-2X2-SHD-WHT

Protective plate, glass



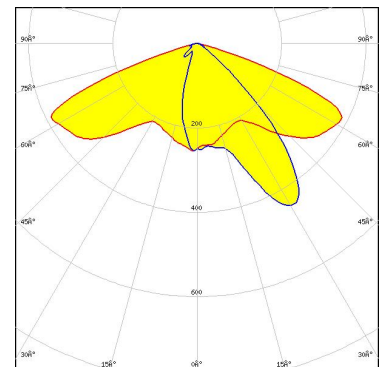
Light distribution files



LED XP-G3
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

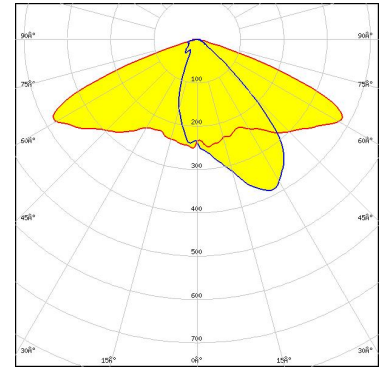
OPTICAL RESULTS (SIMULATED):



LED XP-L2
FWHM / FWTM Asymmetric
Efficiency 85 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass

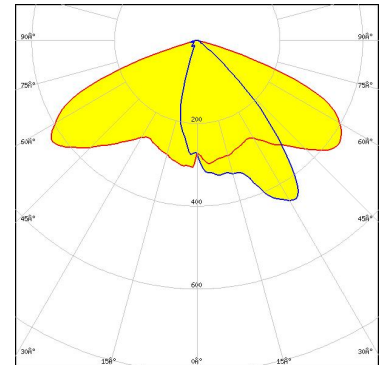
Light distribution files



LED LUXEON HL2X
FWHM / FWTM Asymmetric
Efficiency 85 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

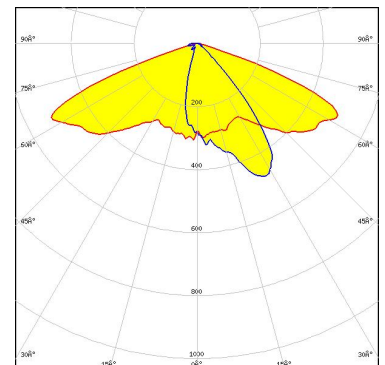
Protective plate, glass

Light distribution files



LED LUXEON V2
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files



OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED: LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)

FWHM / FWTM: Asymmetric

Efficiency: 85 %

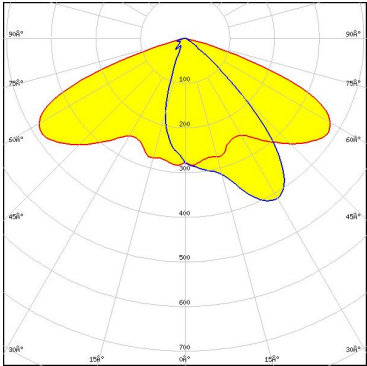
Peak intensity: 0.5 cd/lm

LEDs/each optic: 1

Light colour/type: White

Required components:

Protective plate, glass



Light distribution files

LUMILEDS

LED: LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)

FWHM / FWTM: Asymmetric

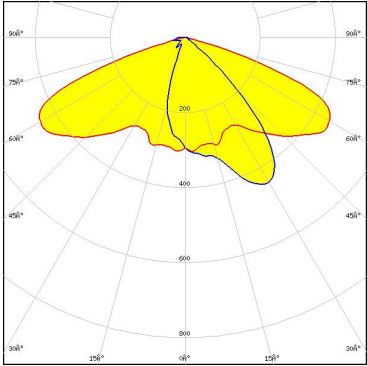
Efficiency: 96 %

Peak intensity: 0.6 cd/lm

LEDs/each optic: 1

Light colour/type: White

Required components:



Light distribution files

NICHIA

LED: NF2x757G

FWHM / FWTM: Asymmetric

Efficiency: 85 %

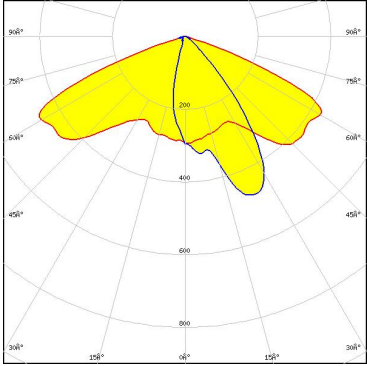
Peak intensity: 0.7 cd/lm

LEDs/each optic: 1

Light colour/type: White

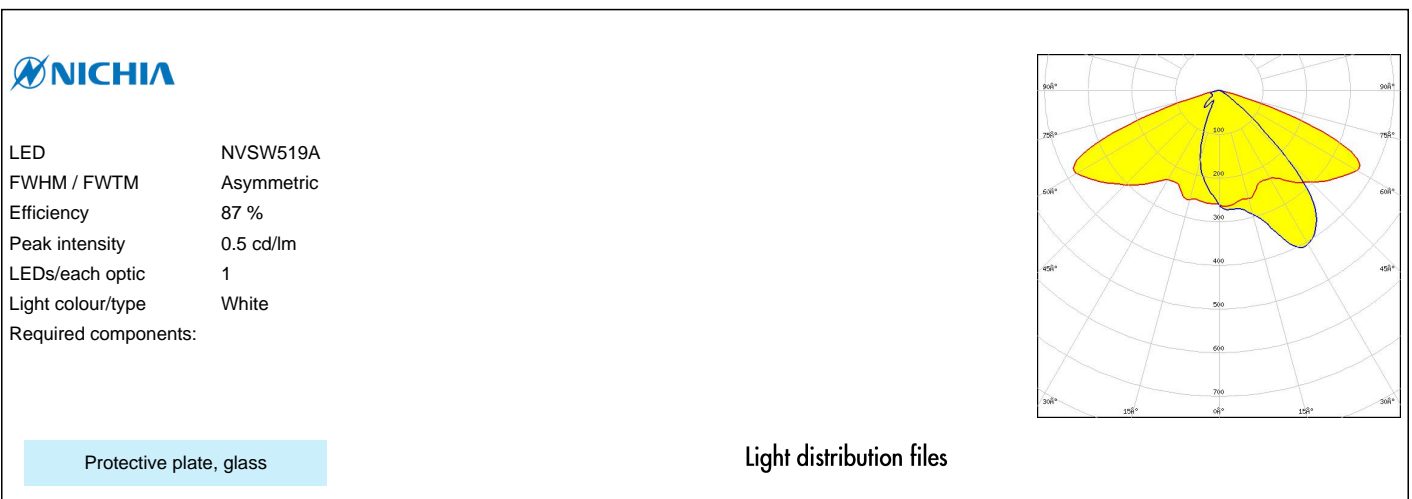
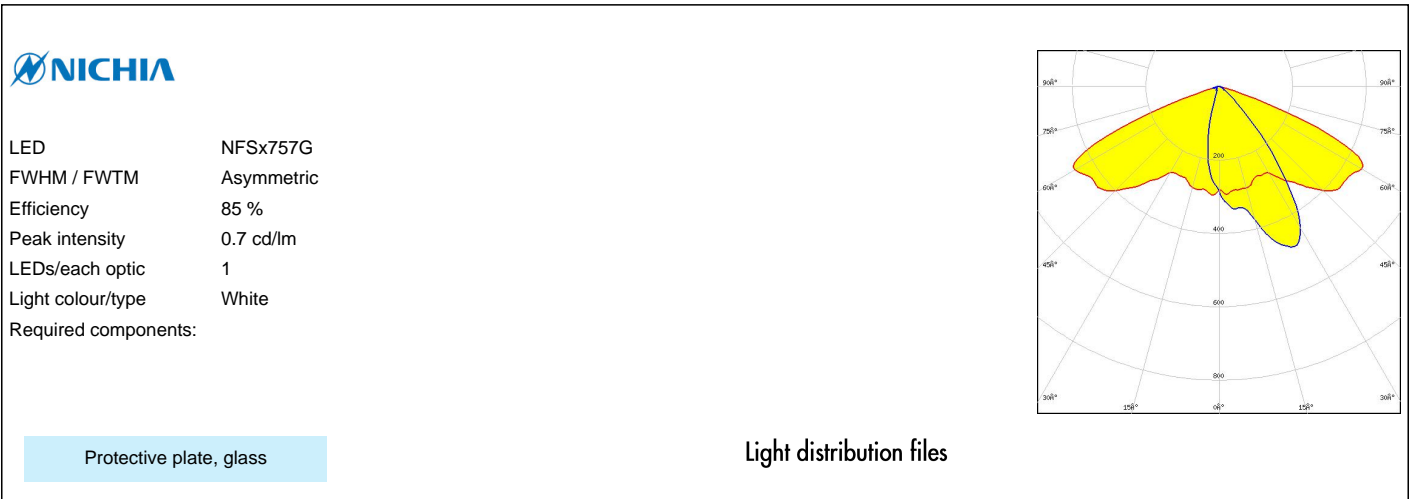
Required components:

Protective plate, glass

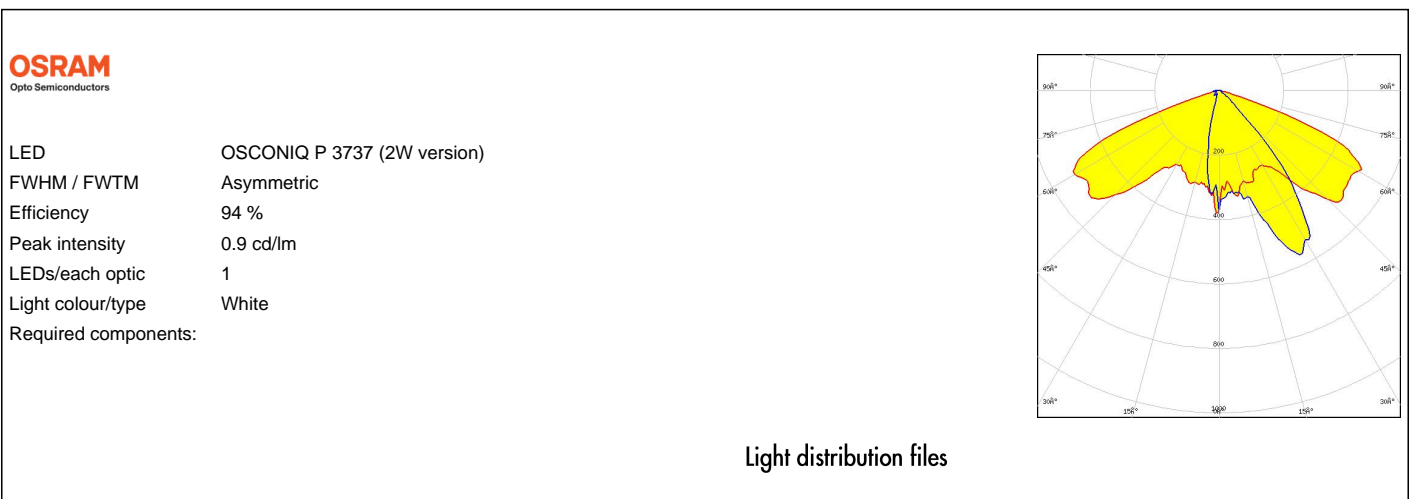
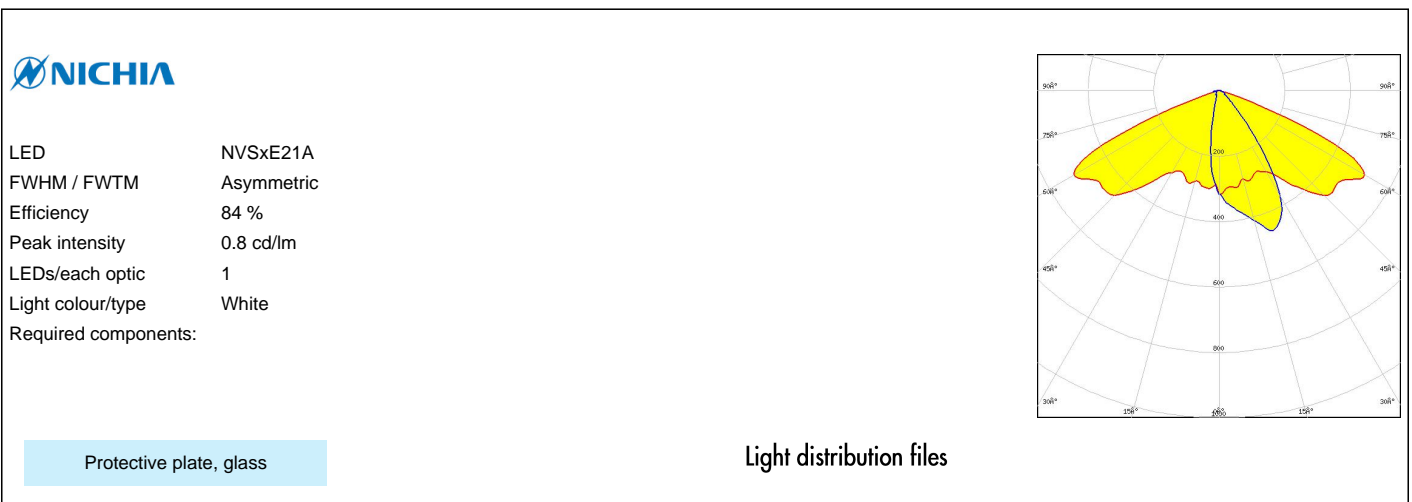
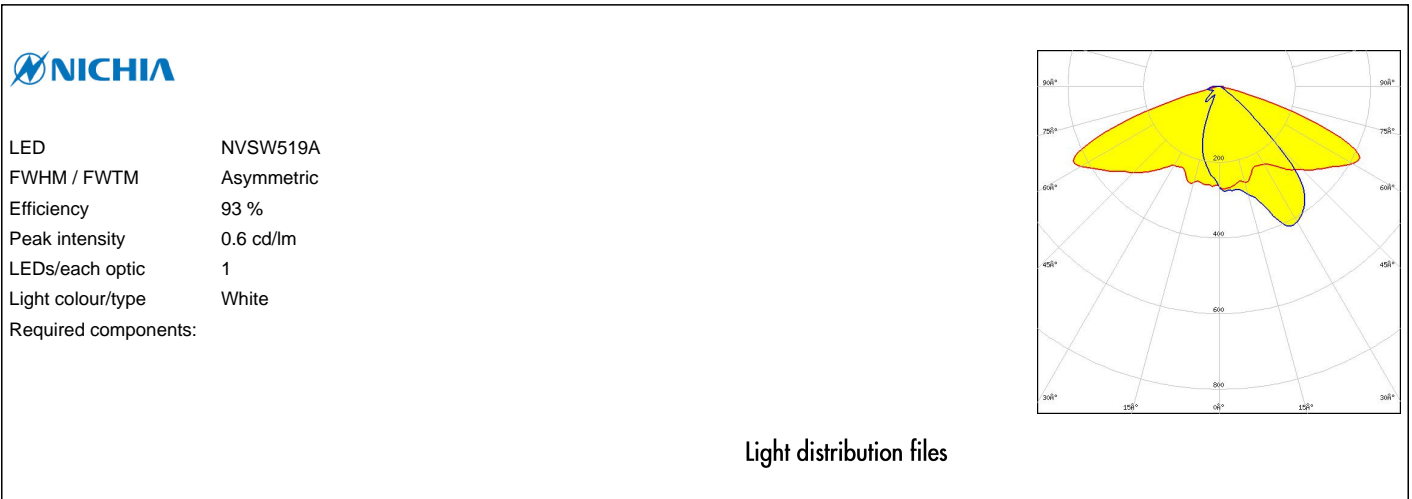


Light distribution files

OPTICAL RESULTS (SIMULATED):



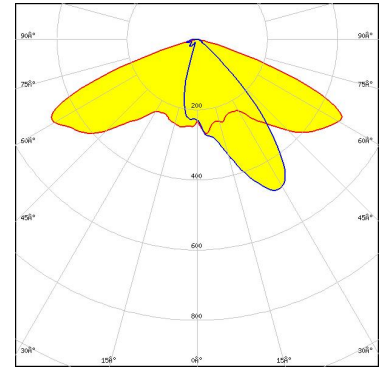
OPTICAL RESULTS (SIMULATED):



OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

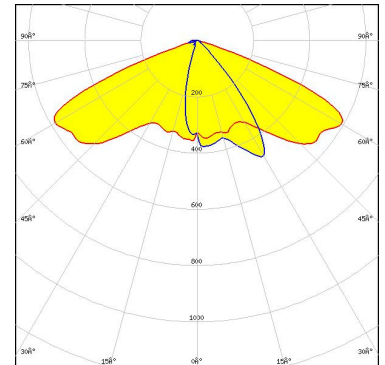
LED OSCONIQ P 3737 (3W version)
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

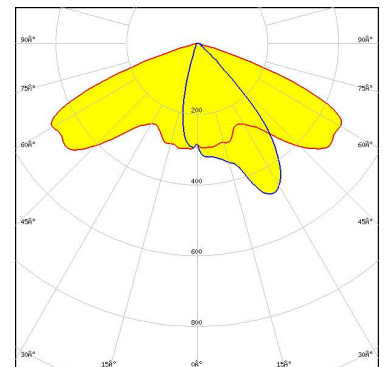
LED OSCONIQ S 3030 (QSLR31)
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSOLON Square CSSRM2/CSSRM3
FWHM / FWTM Asymmetric
Efficiency 89 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C17580_STRADA-2X2-SHD-WHT



Light distribution files

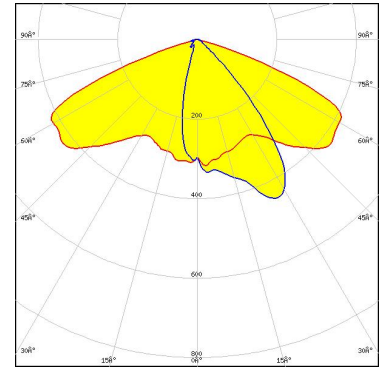
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM Asymmetric
Efficiency 86 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass

Light distribution files

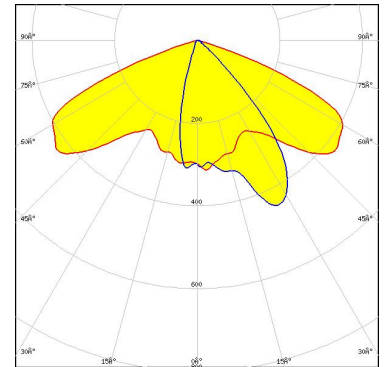


OSRAM
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM Asymmetric
Efficiency 81 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C17580_STRADA-2X2-SHD-WHT

Protective plate, glass

Light distribution files

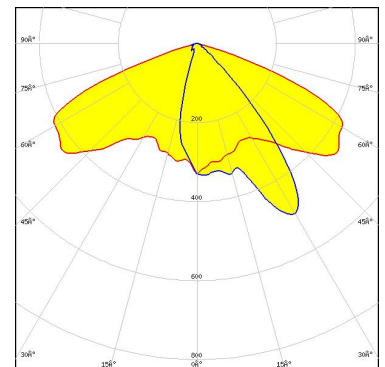


OSRAM
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM Asymmetric
Efficiency 87 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass

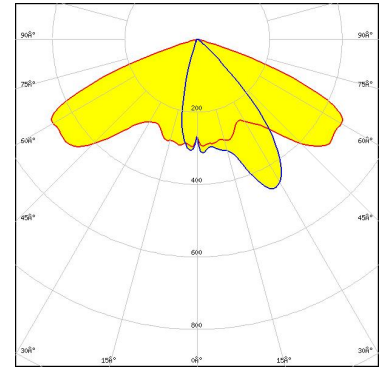
Light distribution files



OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

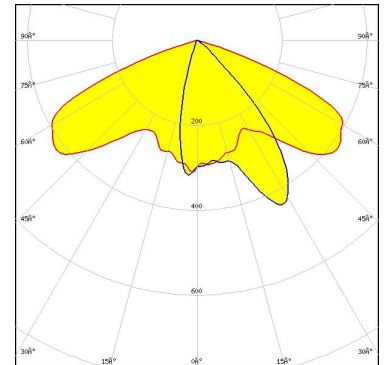
LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM Asymmetric
 Efficiency 87 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C17677_STRADA-2X2-SHD-BLK



Light distribution files

OSRAM
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM Asymmetric
 Efficiency 78 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C17677_STRADA-2X2-SHD-BLK

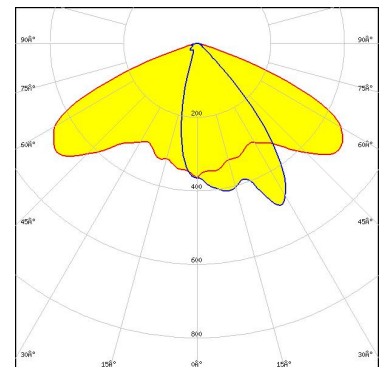


Light distribution files

Protective plate, glass

OSRAM
Opto Semiconductors

LED OSLON Square PC
 FWHM / FWTM Asymmetric
 Efficiency 89 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



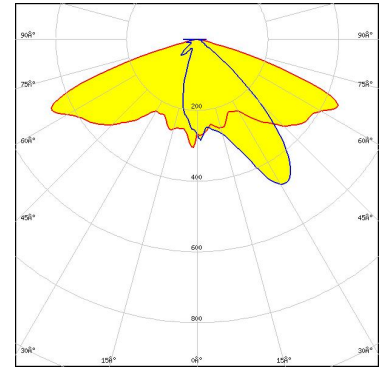
Light distribution files

Protective plate, glass

OPTICAL RESULTS (SIMULATED):

PHILIPS

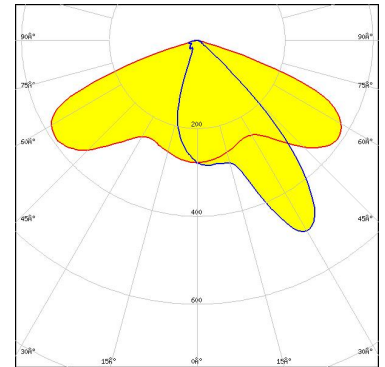
LED Fortimo FastFlex LED 2x8 DAX G4
FWHM / FWTM Asymmetric
Efficiency 94 %
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

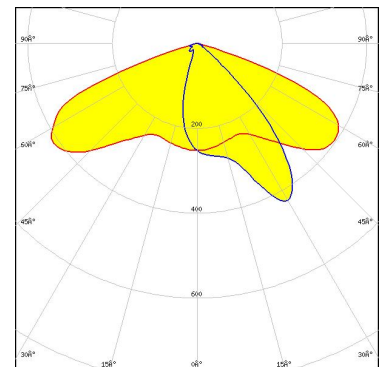
LED HiLOM RH16 (LH351C)
FWHM / FWTM Asymmetric
Efficiency 87 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED LH351B
FWHM / FWTM Asymmetric
Efficiency 83 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

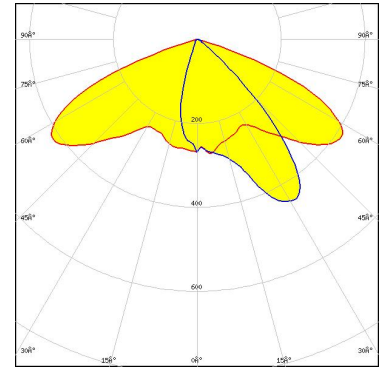


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED LH351C
 FWHM / FWTM Asymmetric
 Efficiency 81 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C17580_STRADA-2X2-SHD-WHT

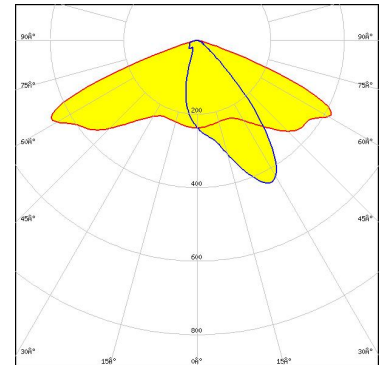


Light distribution files

Protective plate, glass



LED Z5M3
 FWHM / FWTM Asymmetric
 Efficiency 86 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

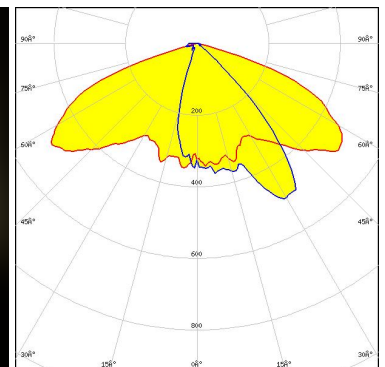


Light distribution files

Protective plate, glass

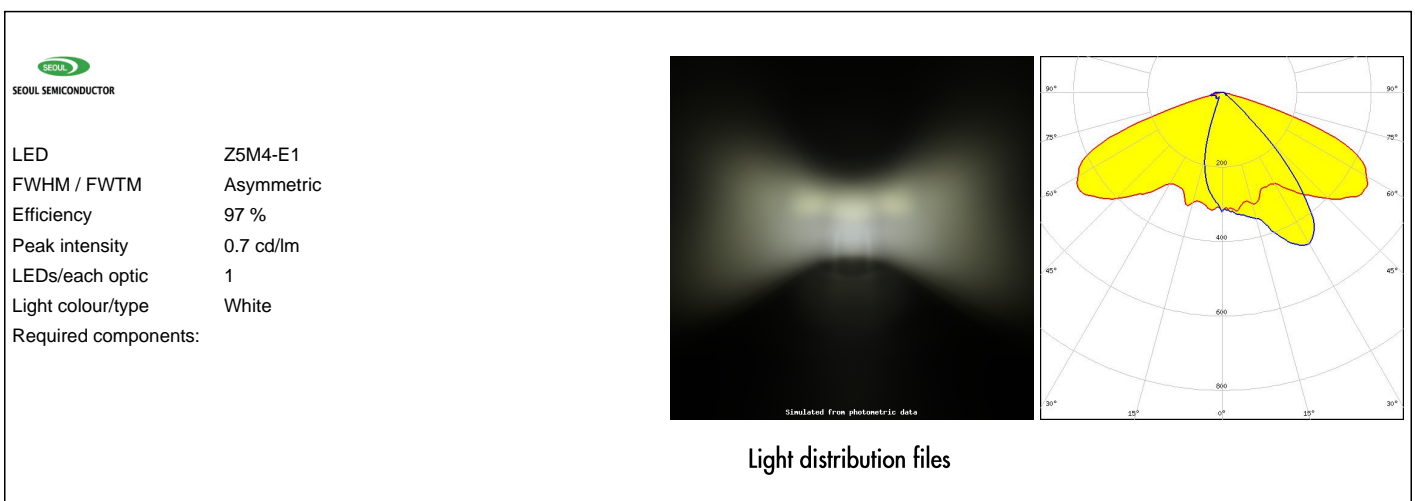
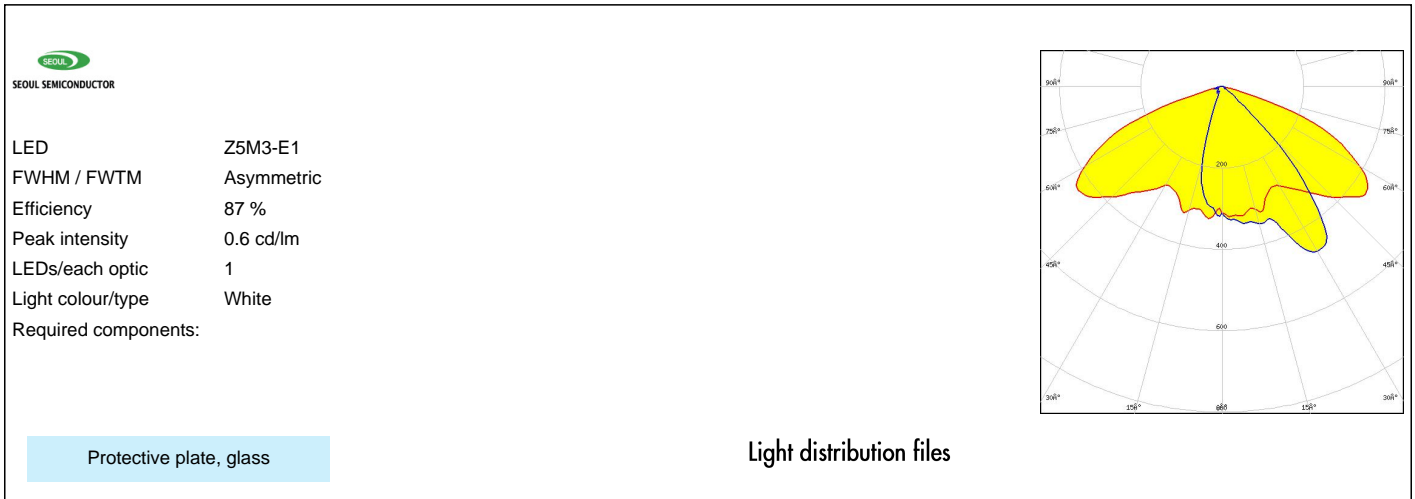


LED Z5M3-E1
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

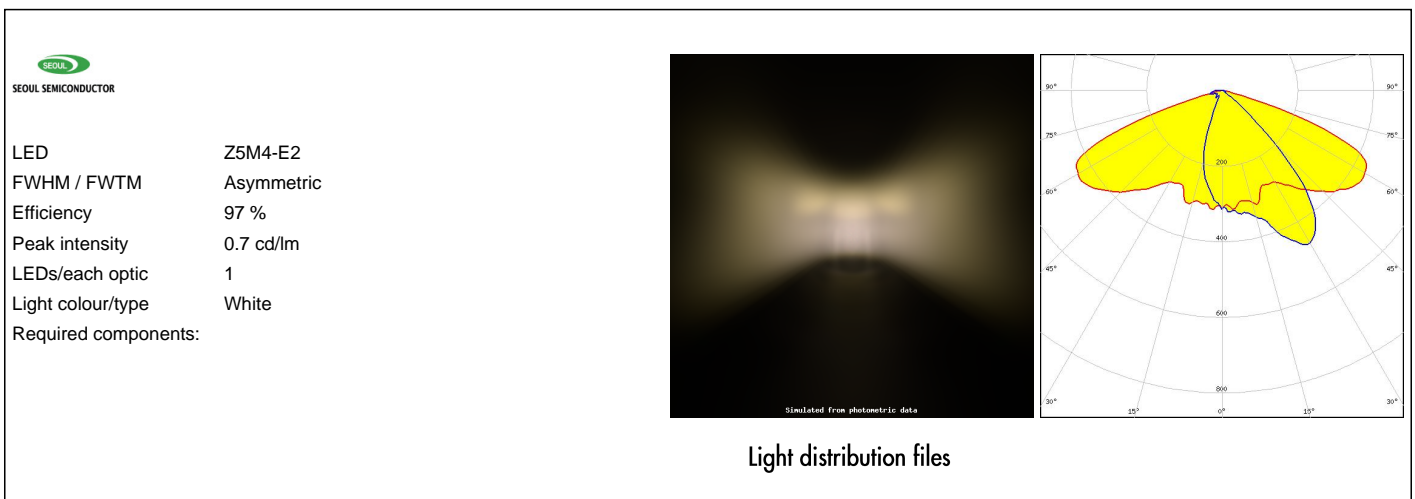
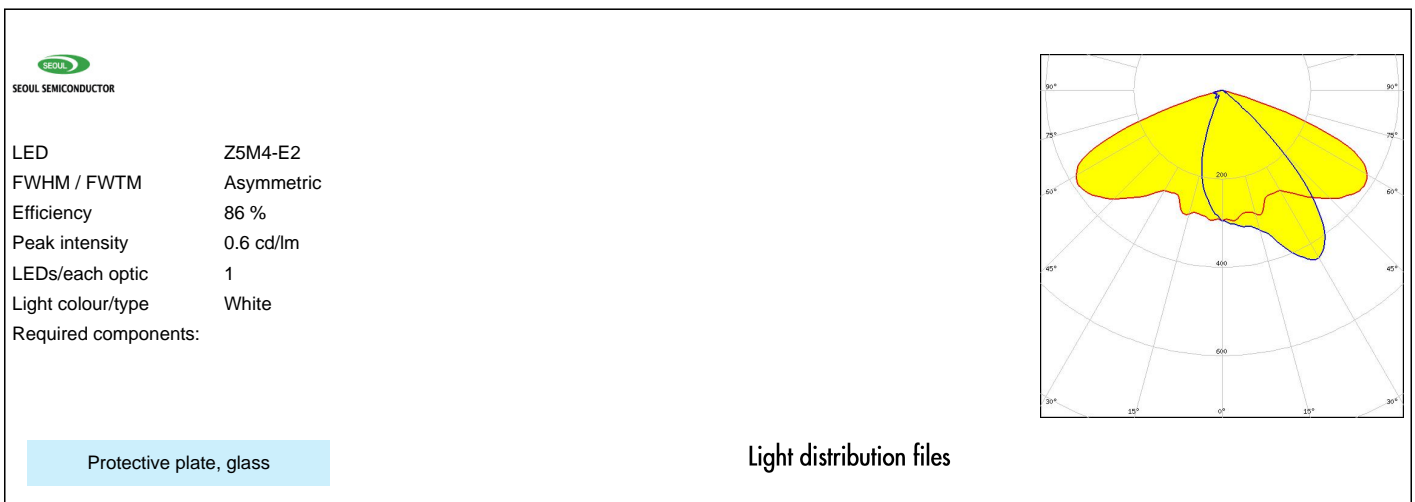
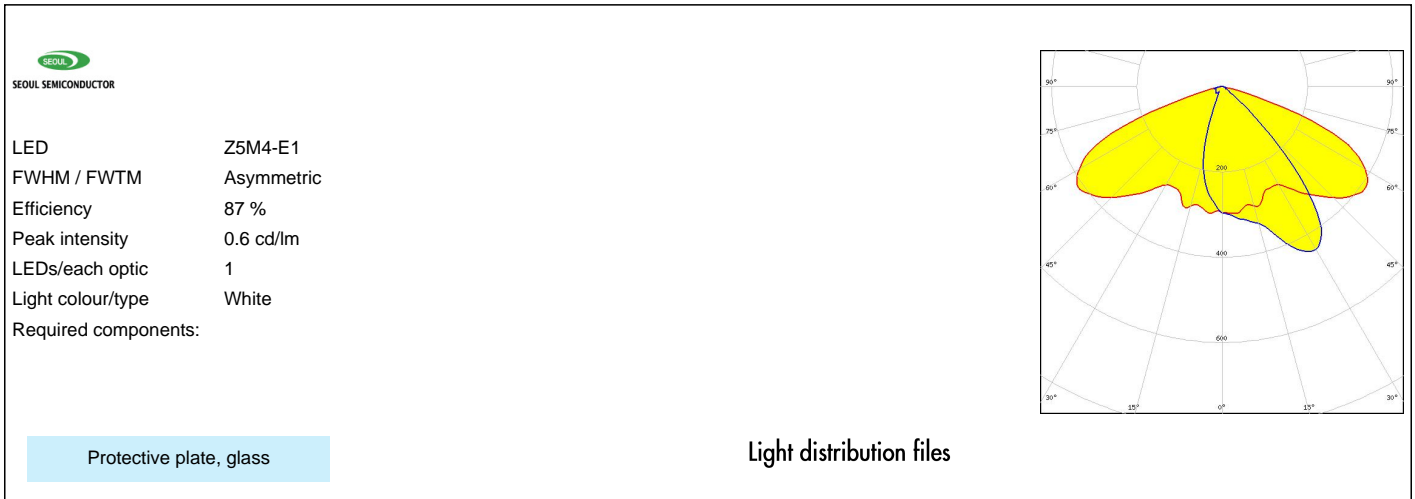


Light distribution files

OPTICAL RESULTS (SIMULATED):



OPTICAL RESULTS (SIMULATED):



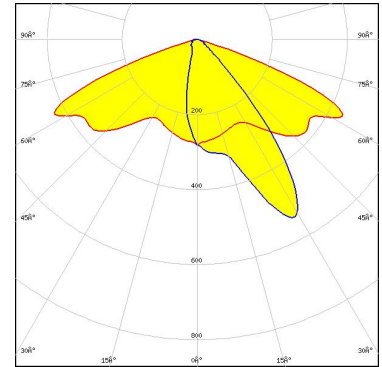
OPTICAL RESULTS (SIMULATED):

TRIDONIC

LED RLE 2x8 4000lm HP EXC2 OTD
FWHM / FWTM Asymmetric
Efficiency 87 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass

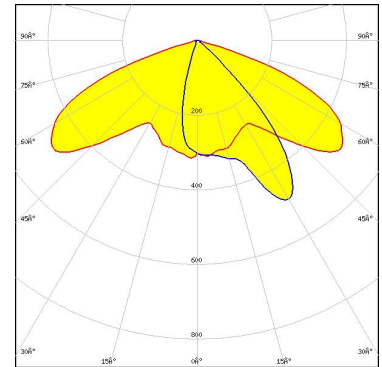
Light distribution files



TRIDONIC

LED RLE 2x8 4000lm HP EXC2 OTD
FWHM / FWTM Asymmetric
Efficiency 88 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C17677_STRADA-2X2-SHD-BLK

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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