

STRADA-2X2-CAT

Catenary street light beam optimized for EN13201 M-classes

SPECIFICATION:

Dimensions	50.0 x 50.0 mm
Height	6.2 mm
Fastening	glue, pin, screw
ROHS compliant	yes ⓘ

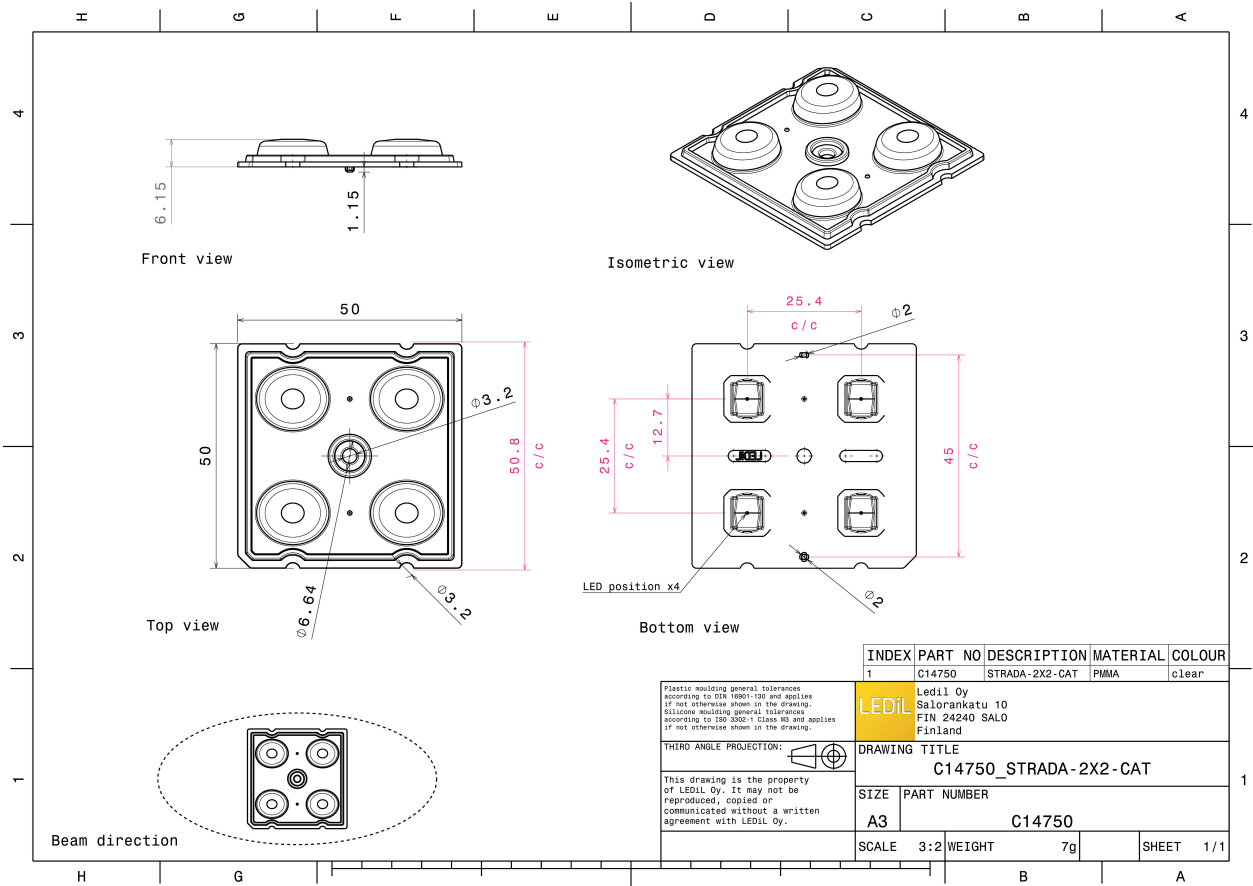


MATERIALS:

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

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C14750_STRADA-2X2-CAT » Box size: 480 x 280 x 300 mm	800	160	160	6.3

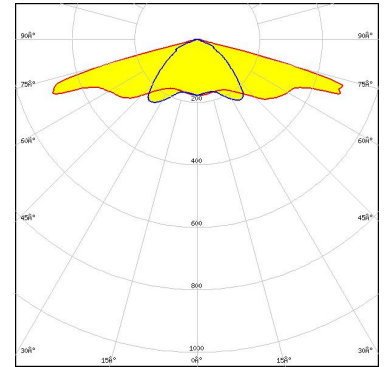


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



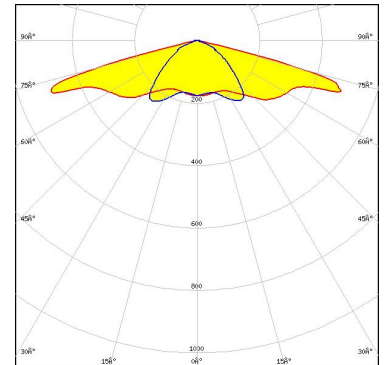
LED QUICK FLUX XTP 2x4 xxx LS G5
FWHM / FWTM 152.0 + 117.0° / 158.0 + 144.0°
Efficiency 94 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



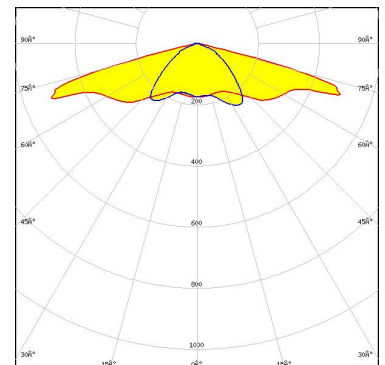
LED QUICK FLUX XTP 2x6 xxx LS G5
FWHM / FWTM 153.0 + 118.0° / 158.0 + 145.0°
Efficiency 94 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED QUICK FLUX XTP 2x8 xxx LS G5
FWHM / FWTM 152.0 + 118.0° / 157.0 + 145.0°
Efficiency 94 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

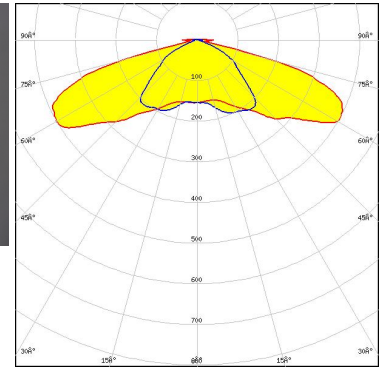


Light distribution files

OPTICAL RESULTS (MEASURED):



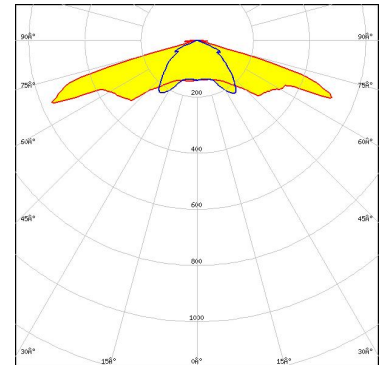
LED XD16
FWHM / FWTM 150.0 + 126.0° / 178.0 + 142.0°
Efficiency 94 %
Peak intensity 0.4 cd/lm
LEDs/each optic 4
Light colour/type White
Required components:



Light distribution files



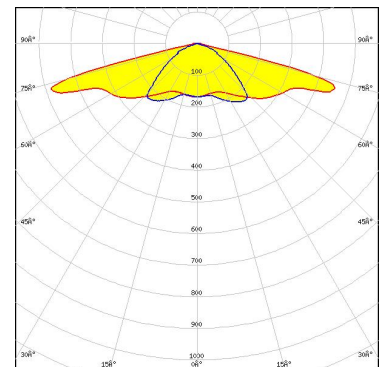
LED XD16
FWHM / FWTM 148.0 + 133.0° / 176.0 + 145.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XM-L3
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

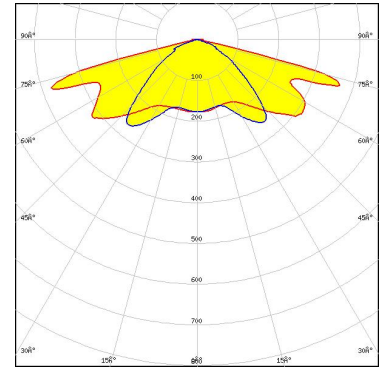


Light distribution files

OPTICAL RESULTS (MEASURED):



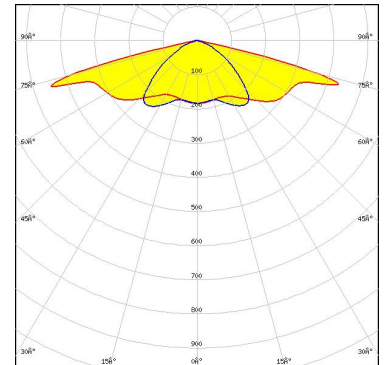
LED XP-G2
FWHM / FWTM 153.0 + 118.0° / 156.0 + 142.0°
Efficiency 94 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



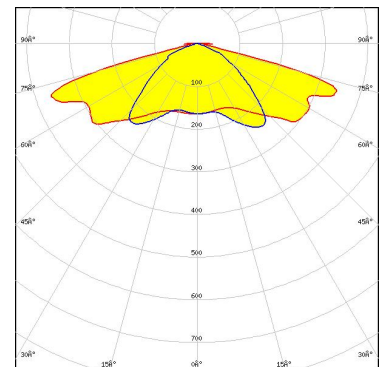
LED XP-G2 HE
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G3
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

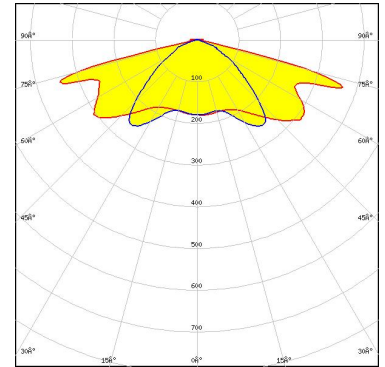


Light distribution files

OPTICAL RESULTS (MEASURED):



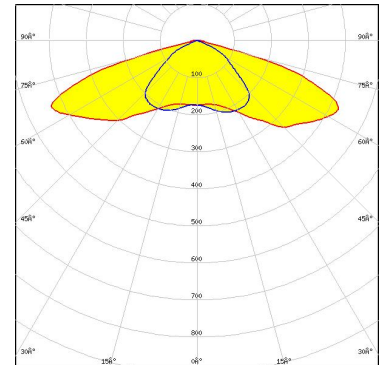
LED XP-L HI
 FWHM / FWTM 153.0 + 118.0° / 156.0 + 143.0°
 Efficiency 94 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



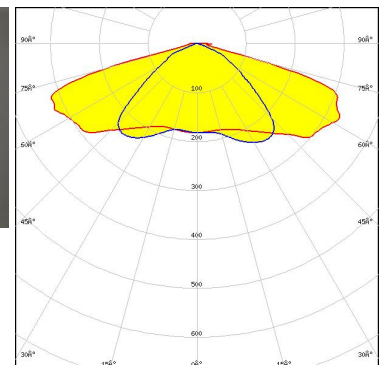
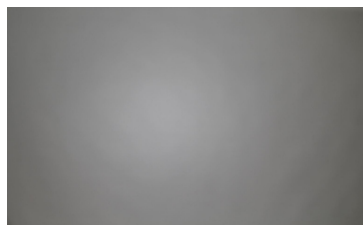
LED LUXEON 5050 Round LES
 FWHM / FWTM 149.0 + 119.0° / 154.0 + 138.0°
 Efficiency 94 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON V
 FWHM / FWTM 152.0 + 117.0° / 174.0 + 141.0°
 Efficiency 94 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

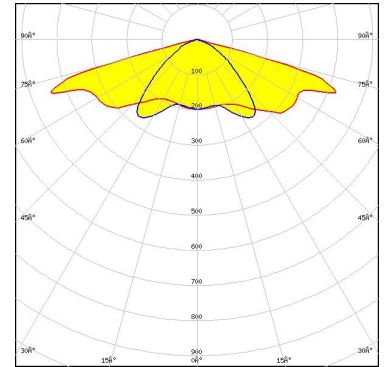


Light distribution files

OPTICAL RESULTS (MEASURED):

MST | Your solutions

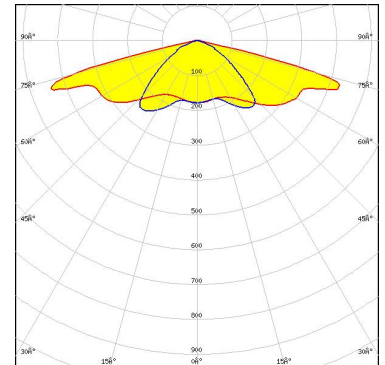
LED RecLED 122x50mm 1900lm 730 2x4 Opt G1
FWHM / FWTM Asymmetric
Efficiency 98 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

NICHIA

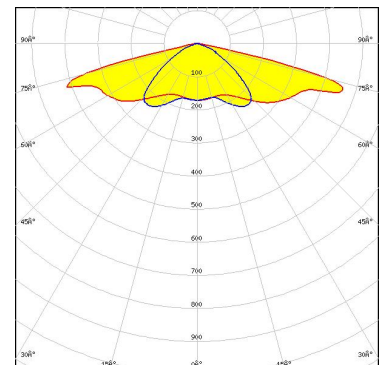
LED NVSW219F
FWHM / FWTM 154.0 + 118.0° / 156.0 + 142.0°
Efficiency 94 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

NICHIA

LED NVSW319B
FWHM / FWTM 155.0 + 120.0° / 158.0 + 142.0°
Efficiency 94 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

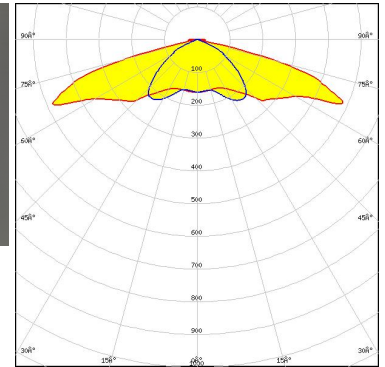


Light distribution files

OPTICAL RESULTS (MEASURED):



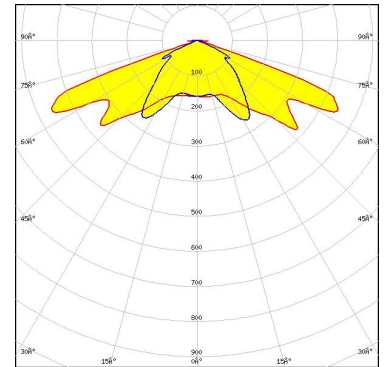
LED NVSW3x9A
FWHM / FWTM 152.0 + 125.0° / 157.0 + 140.0°
Efficiency 94 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



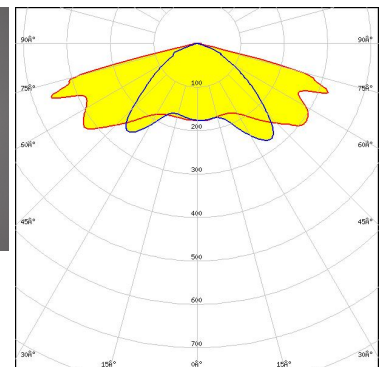
LED NVSxE21A
FWHM / FWTM 142.0 + 130.0° / 147.0 + 140.0°
Efficiency 94 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED PrevaLED Brick HP 2x8
FWHM / FWTM 152.0 + 119.0° / 155.0 + 144.0°
Efficiency 94 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

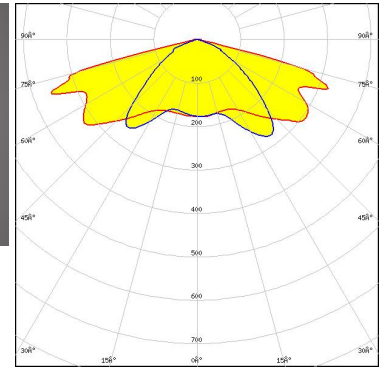


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

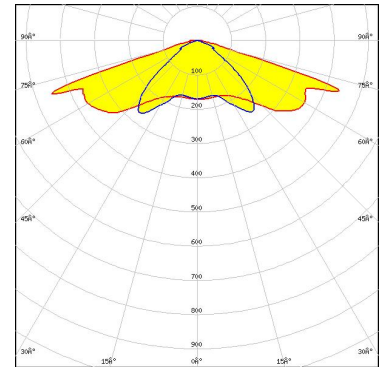
LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM 152.0 + 119.0° / 155.0 + 144.0°
 Efficiency 94 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

OSRAM
Opto Semiconductors

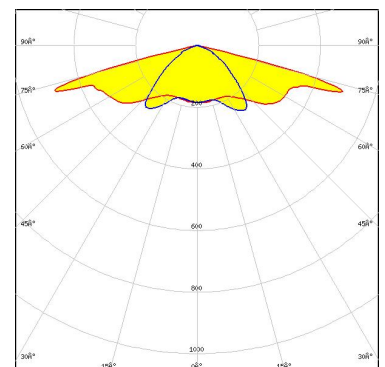
LED OSLON Square PC
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4
 FWHM / FWTM 117.0 + 153.0° / 143.0 + 155.0°
 Efficiency 94 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

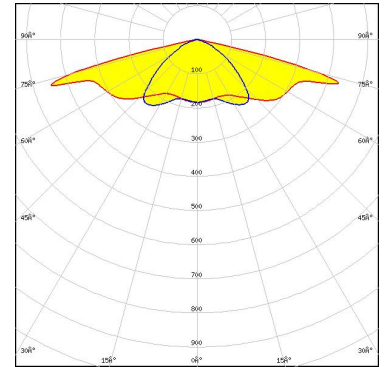


Light distribution files

OPTICAL RESULTS (MEASURED):

PHILIPS

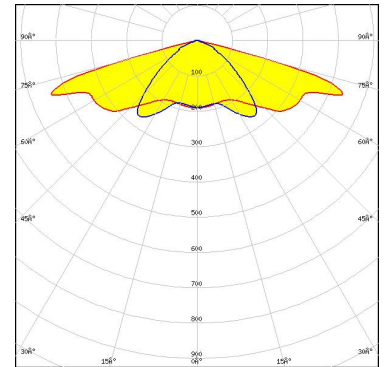
LED Fortimo FastFlex LED 2x8 DA G4+
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

PHILIPS

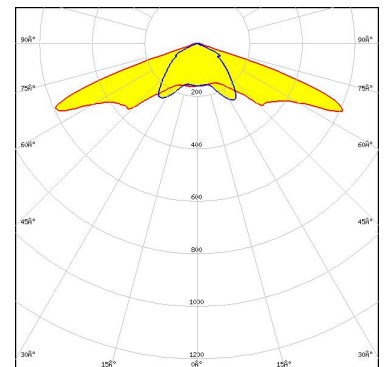
LED Fortimo FastFlex LED 2x8 DA G5
FWHM / FWTM Asymmetric
Efficiency 98 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED HiLOM RC12 Z (LH181B)
FWHM / FWTM Asymmetric
Efficiency 98 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

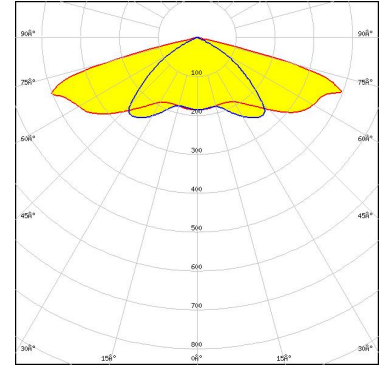


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

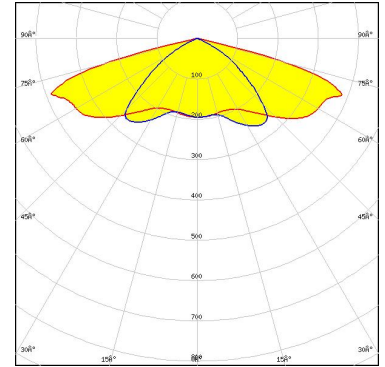
LED HiLOM RH12 Z (LH351C)
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

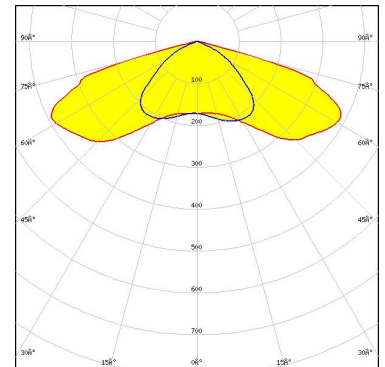
LED HiLOM RH16 (LH351C)
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED HiLOM RM12 Z (LH502C)
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

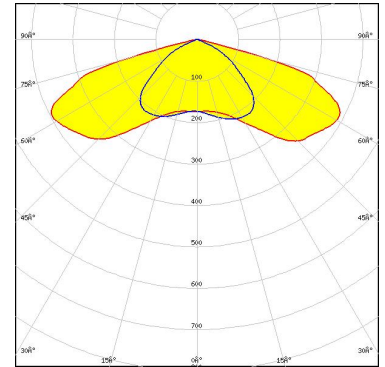


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

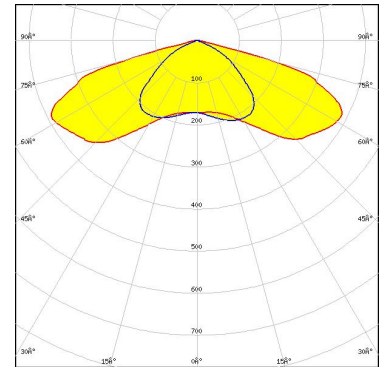
LED HiLOM RM16 Z (LH502C)
FWHM / FWTM Asymmetric
Efficiency 99 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

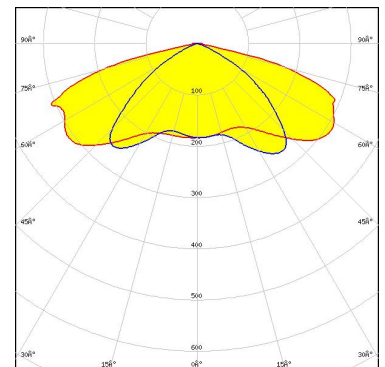
LED HiLOM RM8 Z (LH502C)
FWHM / FWTM Asymmetric
Efficiency 98 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED LH351B
FWHM / FWTM 154.0 + 119.0° / 158.0 + 136.0°
Efficiency 94 %
Peak intensity 0.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

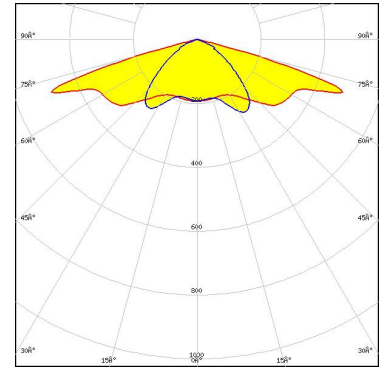


Light distribution files

OPTICAL RESULTS (MEASURED):



LED LED-Pa-L15c2W11c2-xxx-C050-01
 FWHM / FWTM Asymmetric
 Efficiency 99 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

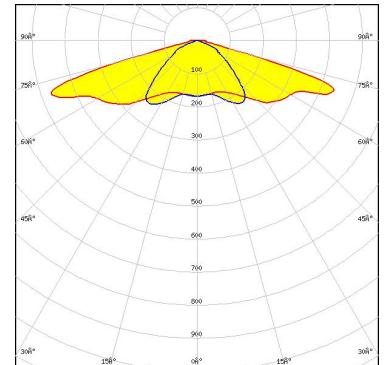


Light distribution files



SEOL SEMICONDUCTOR

LED Z5M3
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

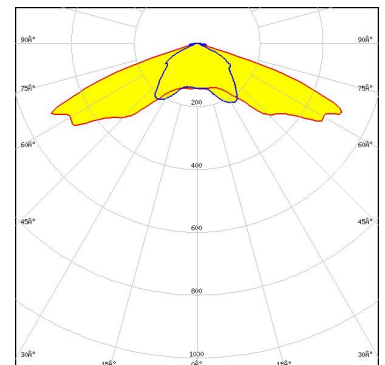


Light distribution files




SEOL SEMICONDUCTOR

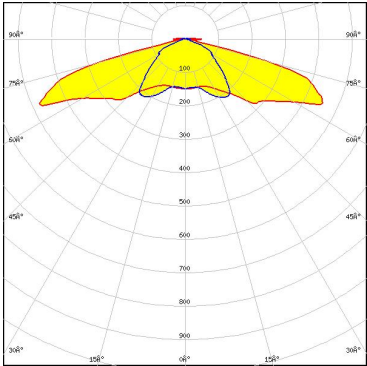
LED Z8Y22
 FWHM / FWTM 143.0 + 128.0° / 149.0 + 172.0°
 Efficiency 94 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

OPTICAL RESULTS (MEASURED):

 SEOL SEMICONDUCTOR		
LED	Z8Y22P	
FWHM / FWTM	151.0 + 130.0° / 169.0 + 146.0°	
Efficiency	94 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour/type	White	
Required components:		



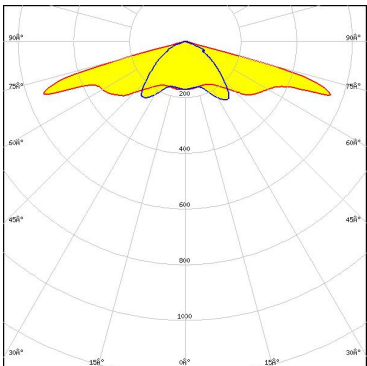
Light distribution files

TRIDONIC

LED	RLE 2x4 2000lm HP EXC2 OTD
FWHM / FWTM	151.0 + 119.0° / 155.0 + 142.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

TRIDONIC

LED	RLE 2x8 4000lm HP EXC2 OTD
FWHM / FWTM	151.0 + 119.0° / 155.0 + 142.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

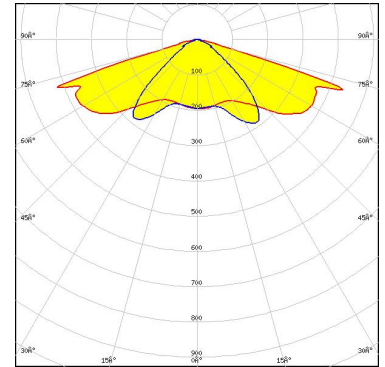


Light distribution files

OPTICAL RESULTS (MEASURED):

TRIDONIC

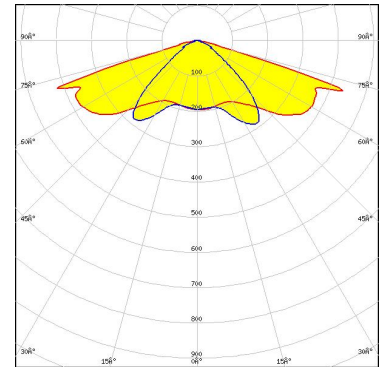
LED RLE G1 49x121mm 2000lm xxx EXC OTD
FWHM / FWTM 147.0 + 107.0° / 159.0 + 142.0°
Efficiency 94 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

TRIDONIC

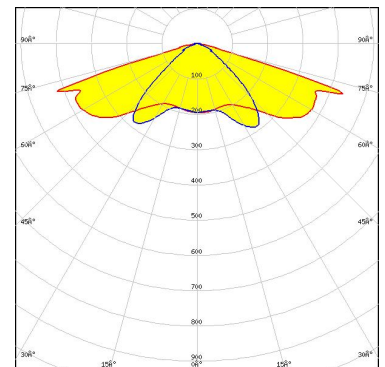
LED RLE G1 49x133mm 2000lm xxx EXC OTD
FWHM / FWTM 147.0 + 107.0° / 159.0 + 142.0°
Efficiency 94 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD
FWHM / FWTM 147.0 + 107.0° / 159.0 + 142.0°
Efficiency 94 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

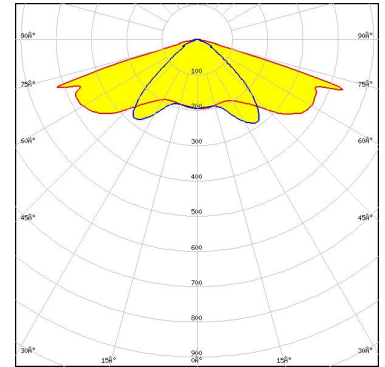


Light distribution files

OPTICAL RESULTS (MEASURED):

TRIDONIC

LED RLE G1 49x245mm 4000lm xxx EXC OTD
FWHM / FWTM 147.0 + 107.0° / 159.0 + 142.0°
Efficiency 94 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

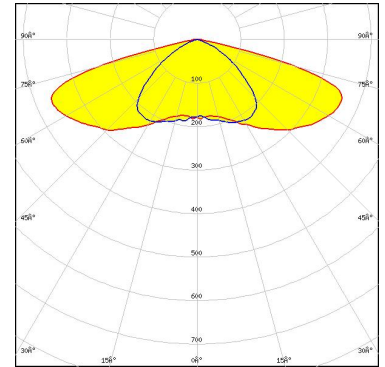


Light distribution files

OPTICAL RESULTS (SIMULATED):



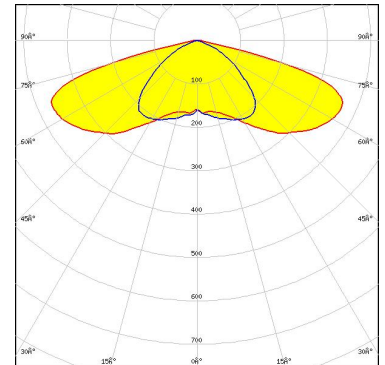
LED J Series 5050 Round LES
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



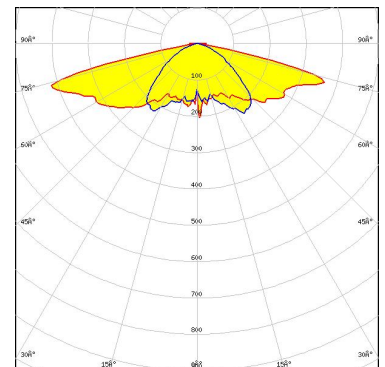
LED J Series 5050C 6V E Class
FWHM / FWTM 152.0 + 112.0° / 158.0 + 140.0°
Efficiency 96 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XB-D
FWHM / FWTM 154.0 + 107.0° / 180.0°
Efficiency 91 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

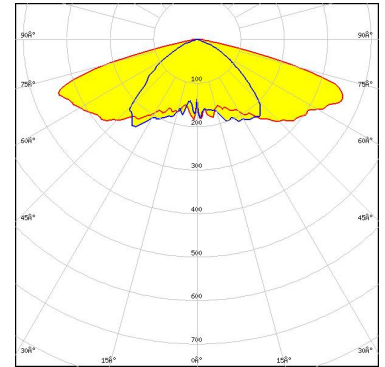


Light distribution files

OPTICAL RESULTS (SIMULATED):



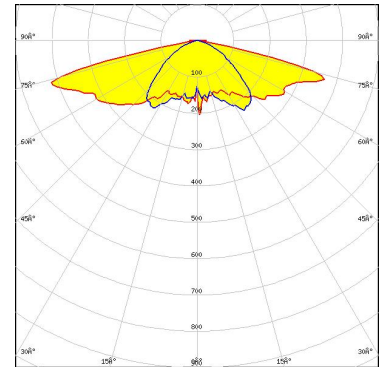
LED XM-L
FWHM / FWTM 109.0 + 152.0° / 142.0 + 162.0°
Efficiency 93 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



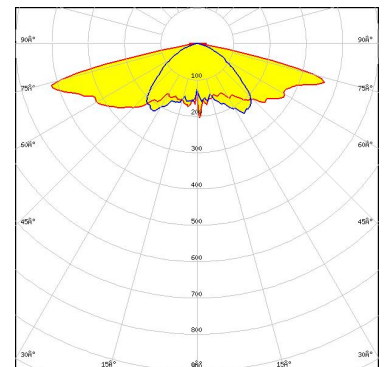
LED XM-L2
FWHM / FWTM 153.0 + 112.0° / 159.0 + 139.0°
Efficiency 93 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G
FWHM / FWTM 156.0 + 112.0° / 161.0 + 144.0°
Efficiency 92 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



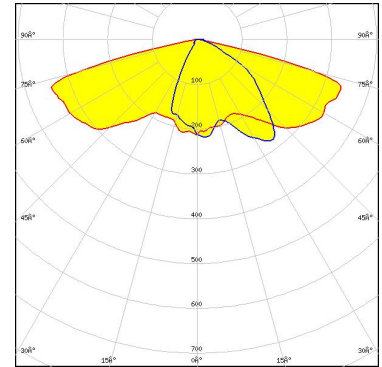
Light distribution files

OPTICAL RESULTS (SIMULATED):



LED XP-G2
 FWHM / FWTM Asymmetric
 Efficiency 75 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:
 C17580_STRADA-2X2-SHD-WHT

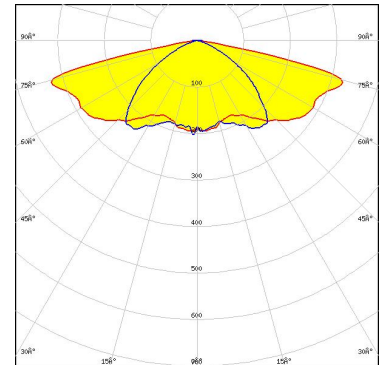


Light distribution files



LED XP-G2 HE
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

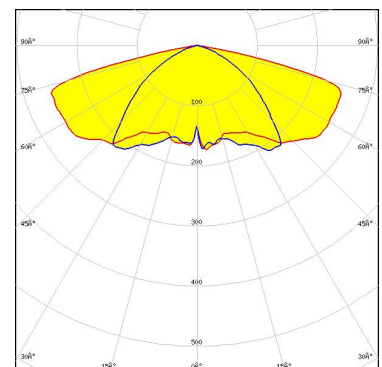


Light distribution files



LED XP-G3
 FWHM / FWTM 154.0 + 112.0° / 162.0 + 142.0°
 Efficiency 82 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:



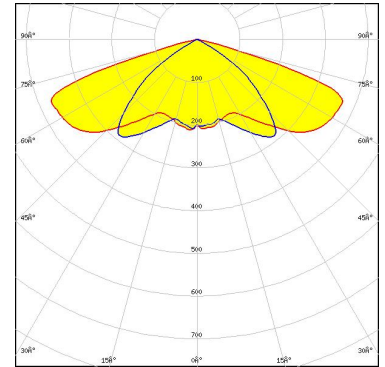
Protective plate, glass

Light distribution files

OPTICAL RESULTS (SIMULATED):



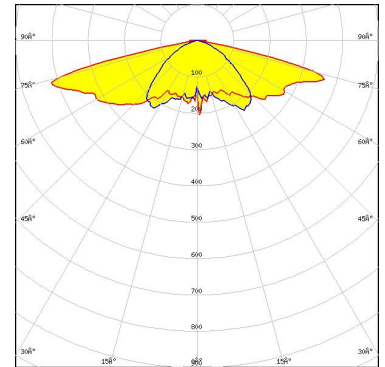
LED XP-G4
FWHM / FWTM 146.0 + 106.0° / 154.0 + 122.0°
Efficiency 96 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



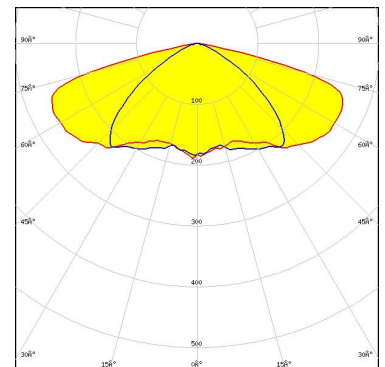
LED XP-L HD
FWHM / FWTM 155.0 + 109.0° / 161.0 + 132.0°
Efficiency 91 %
Peak intensity 0.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-L2
FWHM / FWTM Asymmetric
Efficiency 84 %
Peak intensity 0.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



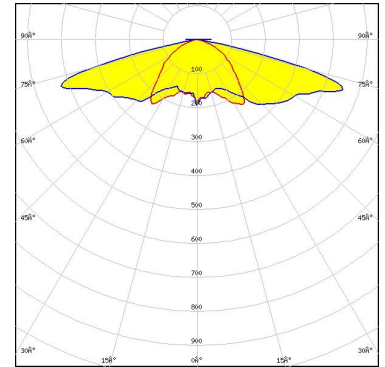
Protective plate, glass

Light distribution files

OPTICAL RESULTS (SIMULATED):



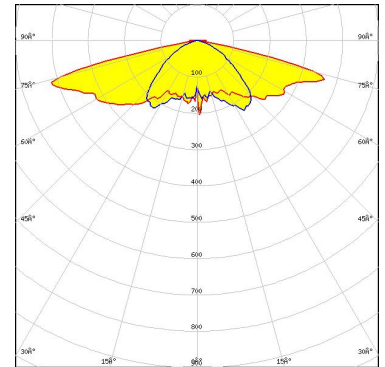
LED XT-E
 FWHM / FWTM 153.0 + 110.0° / 180.0 + 145.0°
 Efficiency 95 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



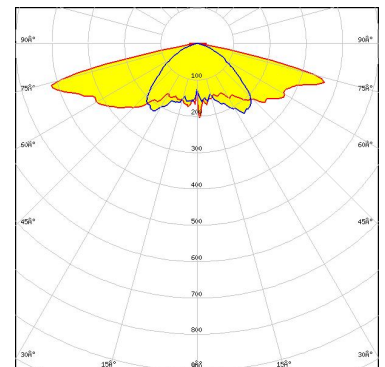
LED XT-E
 FWHM / FWTM 155.0 + 110.0° / 170.0 + 146.0°
 Efficiency 91 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XT-E HVW
 FWHM / FWTM 155.0 + 110.0° / 160.0 + 144.0°
 Efficiency 92 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

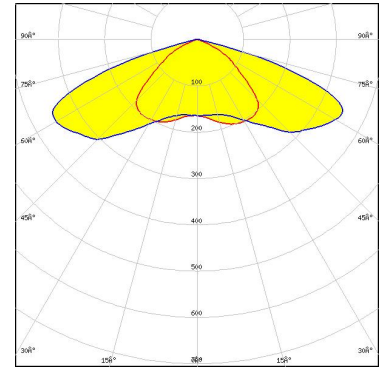
OPTICAL RESULTS (SIMULATED):



LED LUXEON 5050 Round LES
FWHM / FWTM Asymmetric
Efficiency 87 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass

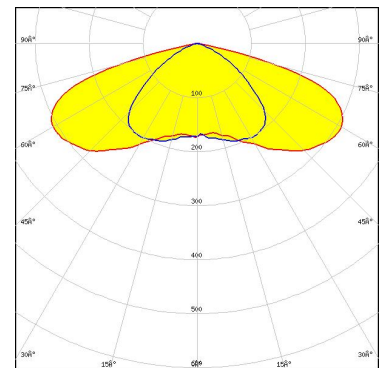
Light distribution files



LED LUXEON 5050 Square LES
FWHM / FWTM Asymmetric
Efficiency 86 %
Peak intensity 0.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

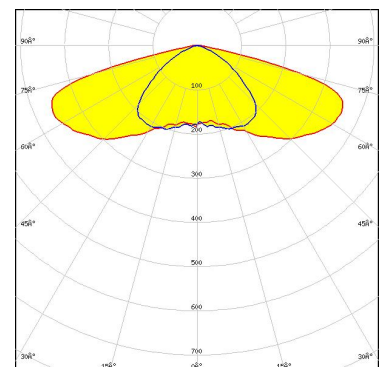
Protective plate, glass

Light distribution files



LED LUXEON 5050 Square LES
FWHM / FWTM 152.0 + 112.0° / 160.0 + 140.0°
Efficiency 96 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

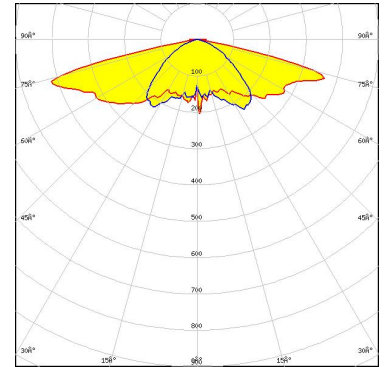
Light distribution files



OPTICAL RESULTS (SIMULATED):



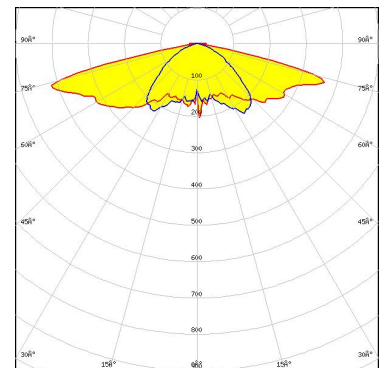
LED LUXEON R
 FWHM / FWTM 150.0 + 107.0° / 156.0 + 138.0°
 Efficiency 92 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



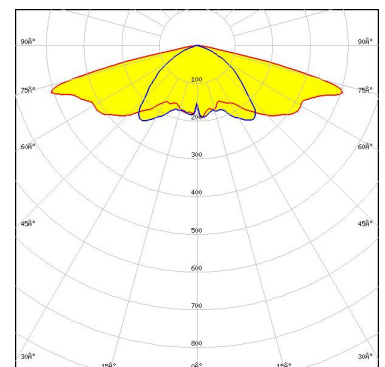
LED LUXEON Rebel ES
 FWHM / FWTM 151.0 + 106.0° / 157.0 + 139.0°
 Efficiency 92 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON T
 FWHM / FWTM 154.0 + 110.0° / 160.0 + 140.0°
 Efficiency 96 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

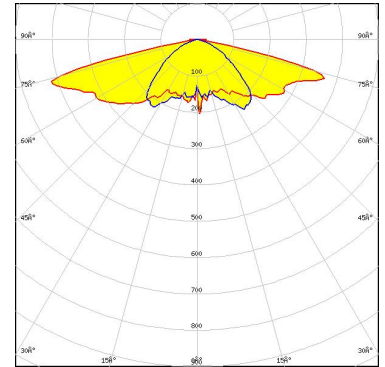


Light distribution files

OPTICAL RESULTS (SIMULATED):



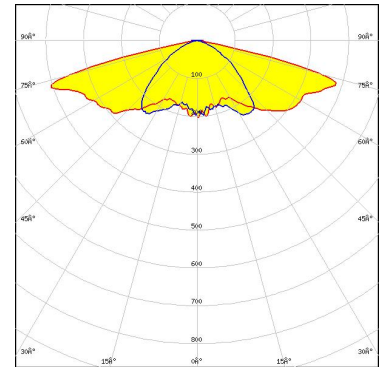
LED LUXEON TX
FWHM / FWTM 153.0 + 108.0° / 158.0 + 143.0°
Efficiency 92 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



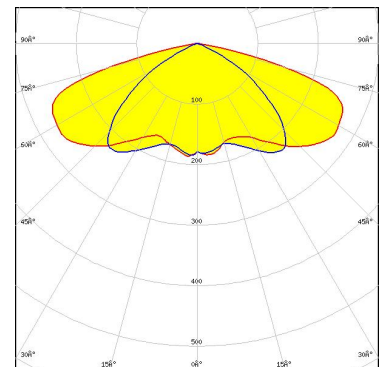
LED LUXEON V2
FWHM / FWTM 154.0 + 110.0° / 160.0 + 141.0°
Efficiency 94 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)
FWHM / FWTM 150.0 + 112.0° / 160.0 + 132.0°
Efficiency 84 %
Peak intensity 0.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Protective plate, glass

Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED: LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)

FWHM / FWTM: 154.0 + 114.0° / 160.0 + 132.0°

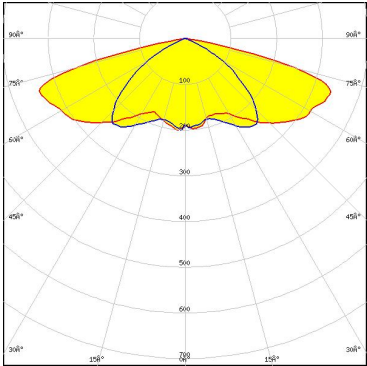
Efficiency: 96 %

Peak intensity: 0.3 cd/lm

LEDs/each optic: 1

Light colour/type: White

Required components:



Light distribution files

NICHIA

LED: NCSxx19B

FWHM / FWTM: 152.0 + 111.0° / 156.0 + 162.0°

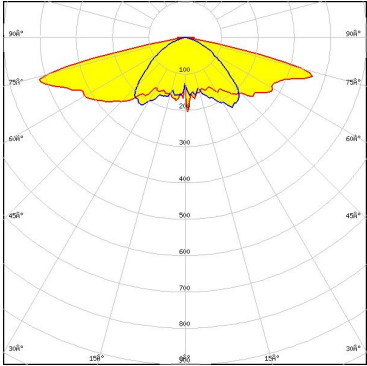
Efficiency: 91 %

Peak intensity: 0.5 cd/lm

LEDs/each optic: 1

Light colour/type: White

Required components:



Light distribution files

NICHIA

LED: NF2x757G

FWHM / FWTM: 150.0 + 106.0° / 156.0 + 138.0°

Efficiency: 85 %

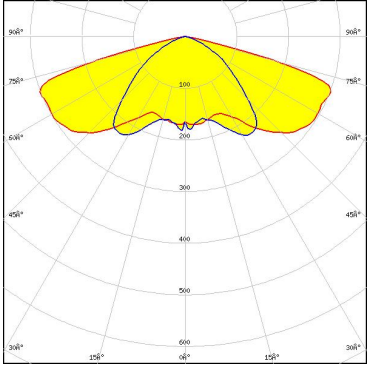
Peak intensity: 0.3 cd/lm

LEDs/each optic: 1

Light colour/type: White

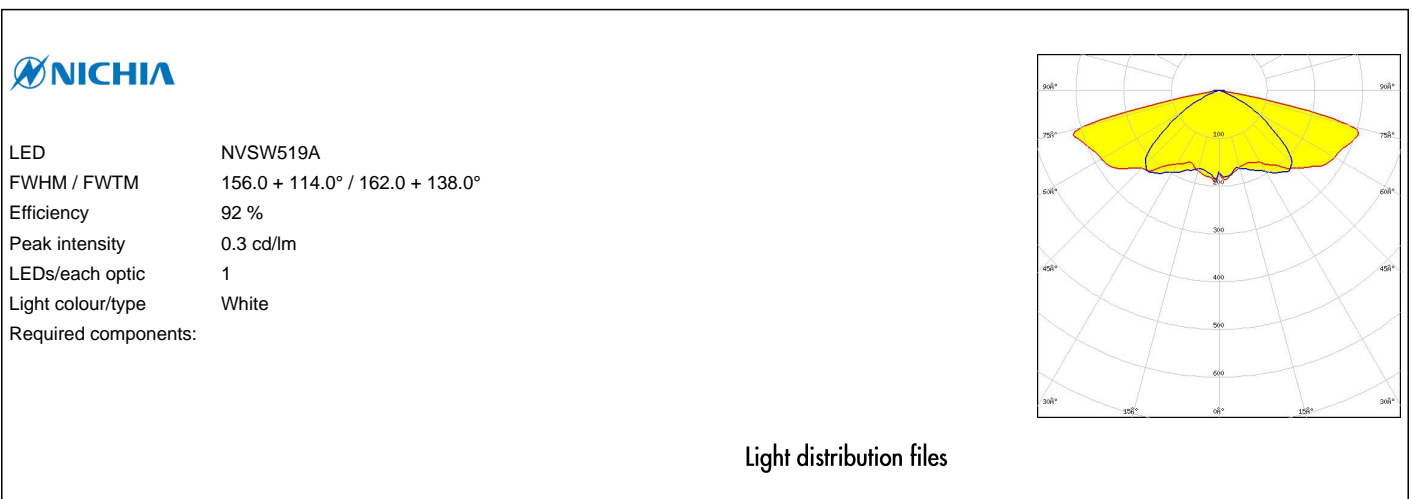
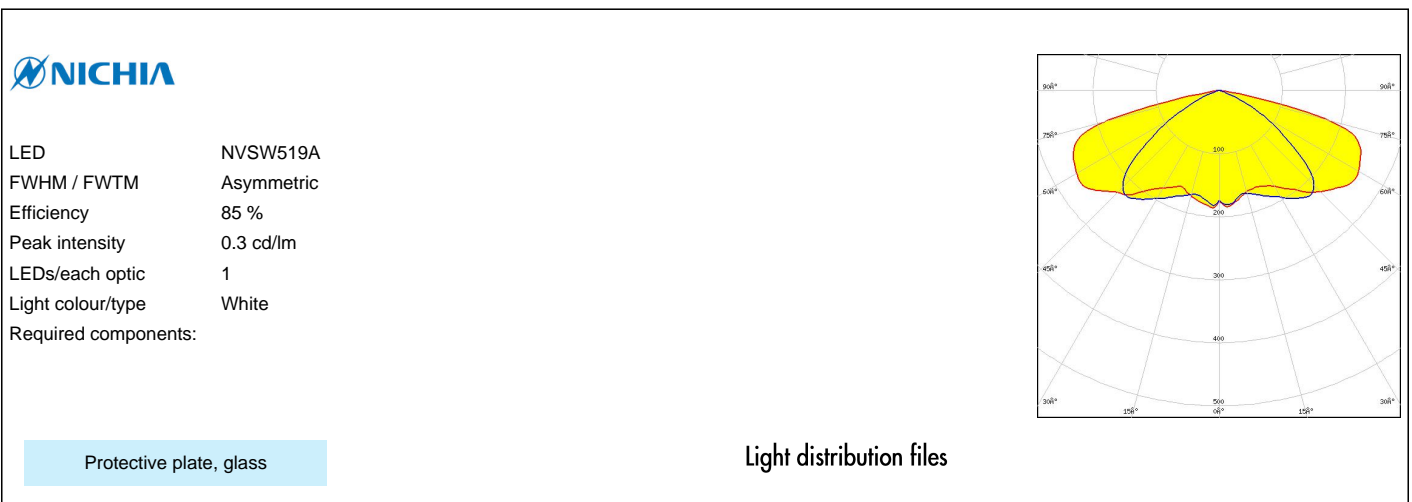
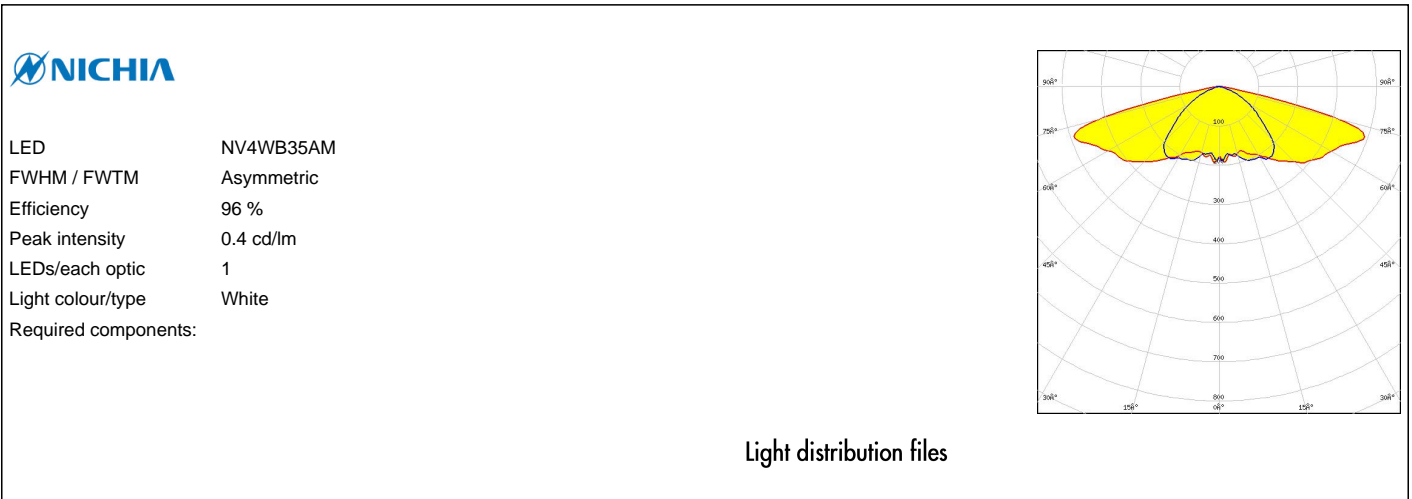
Required components:

Protective plate, glass

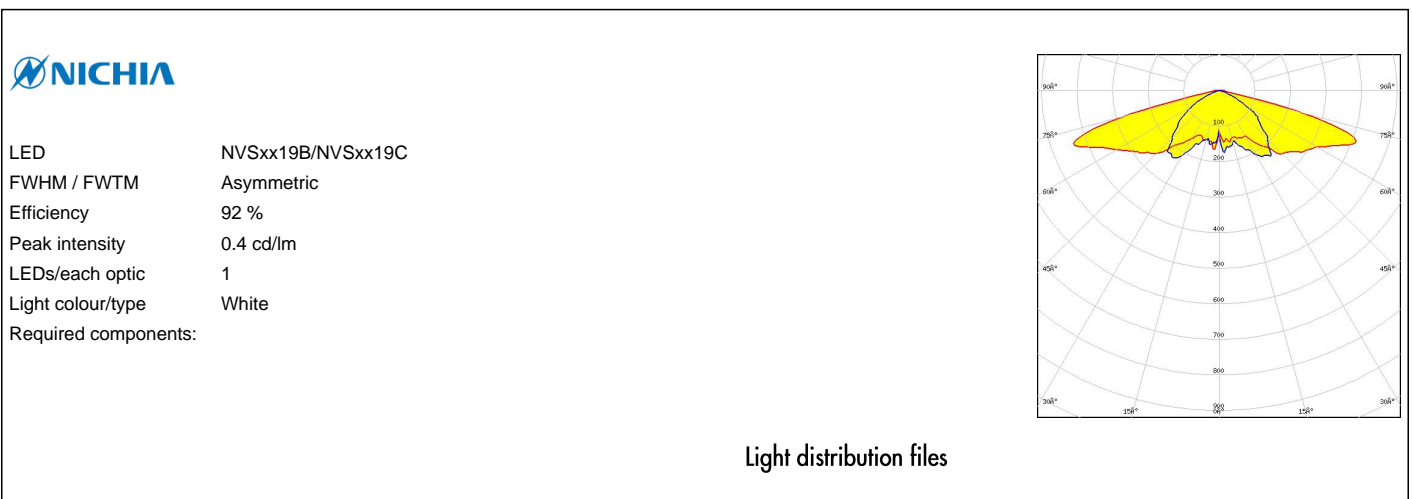
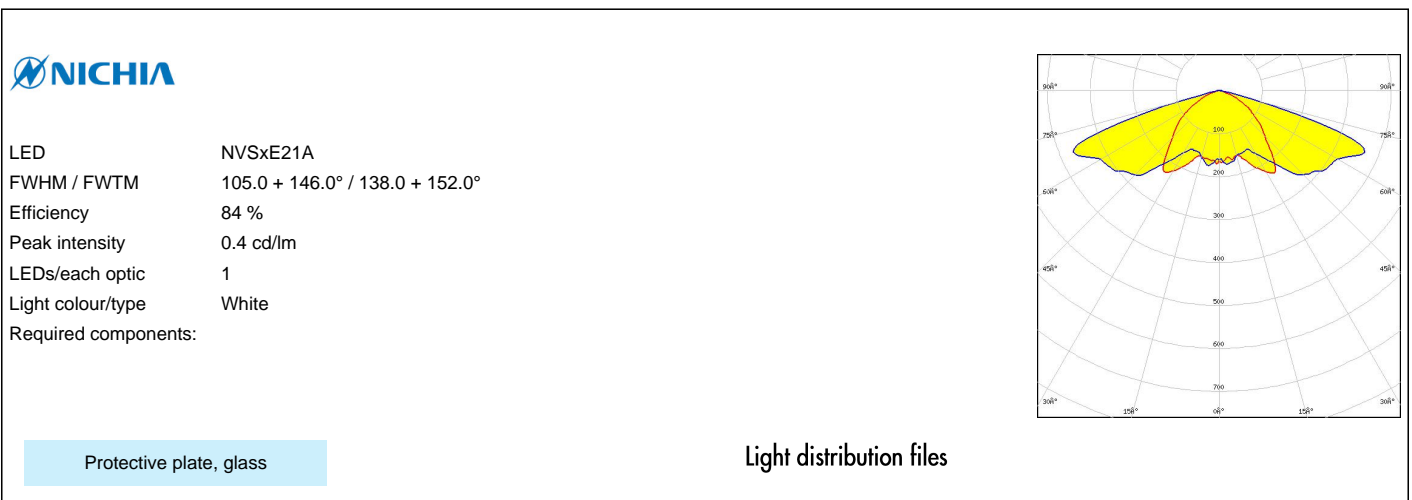
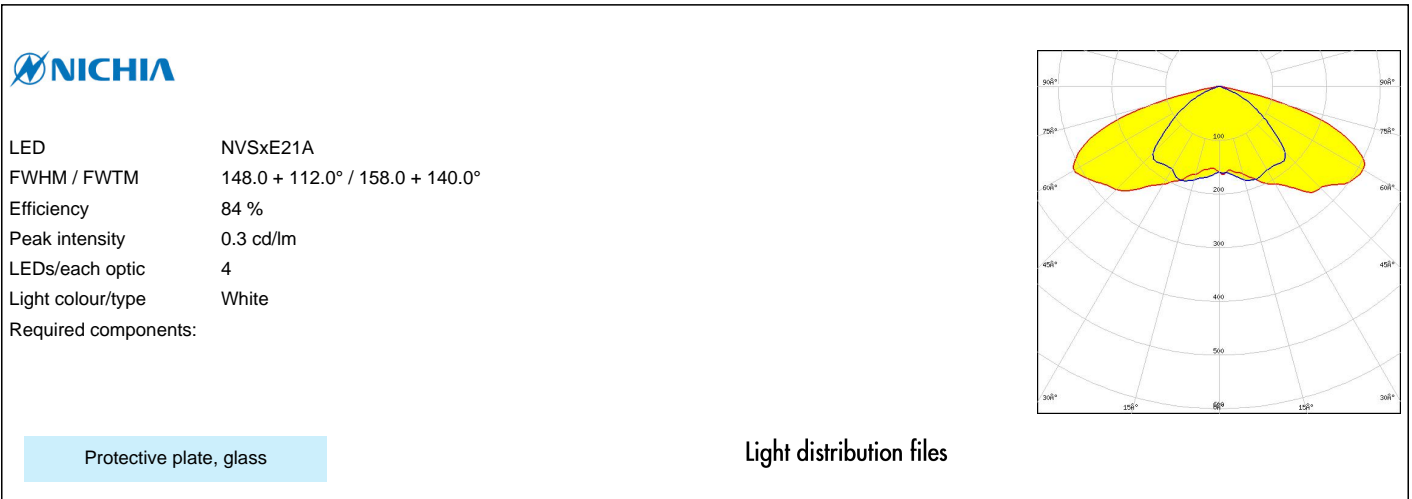


Light distribution files

OPTICAL RESULTS (SIMULATED):



OPTICAL RESULTS (SIMULATED):



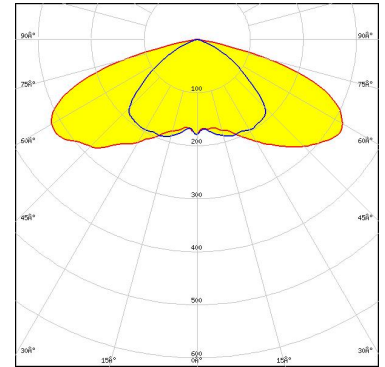
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED Duris S8
 FWHM / FWTM Asymmetric
 Efficiency 87 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Protective plate, glass

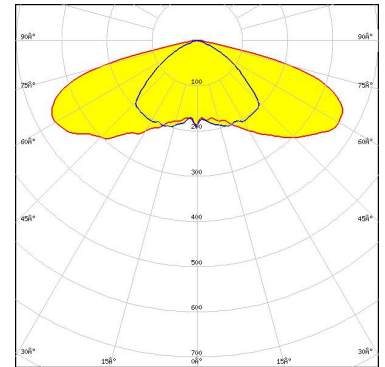
Light distribution files



OSRAM
Opto Semiconductors

LED Duris S8
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

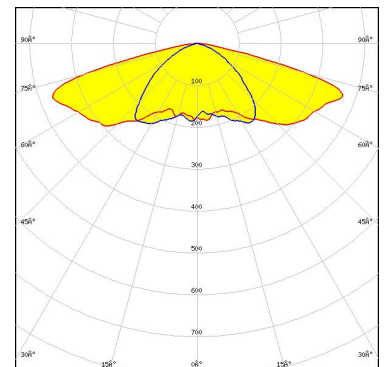
Light distribution files



OSRAM
Opto Semiconductors

LED OSCONIQ P 3737 (3W version)
 FWHM / FWTM 153.0 + 92.0° / 163.0 + 137.0°
 Efficiency 94 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files



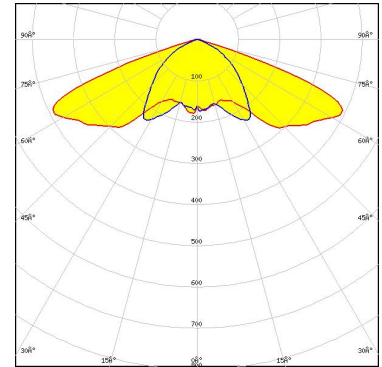
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
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

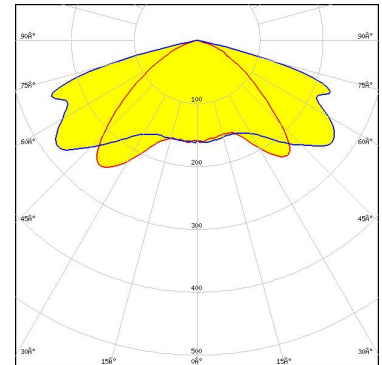


OSRAM
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 148.0 + 116.0°
Efficiency 82 %
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass

Light distribution files

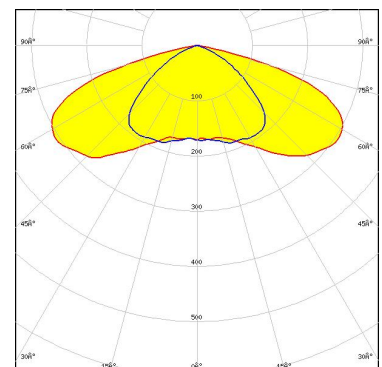


PHILIPS

LED Fortimo FastFlex LED 2x8 DA (U)HE
FWHM / FWTM 148.0 + 112.0° / 158.0 + 138.0°
Efficiency 85 %
Peak intensity 0.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass

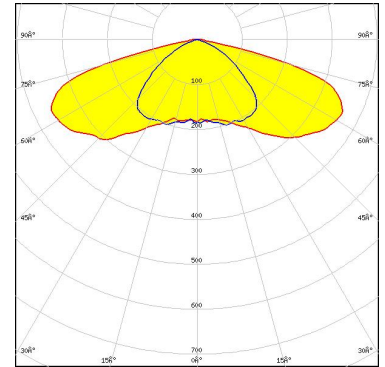
Light distribution files



OPTICAL RESULTS (SIMULATED):

PHILIPS

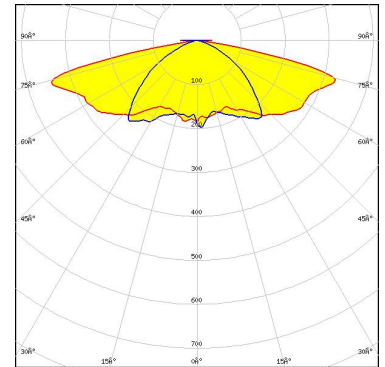
LED	Fortimo FastFlex LED 2x8 DA (U)HE
FWHM / FWTM	152.0 + 112.0° / 160.0 + 140.0°
Efficiency	97 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

PHILIPS

LED	Fortimo FastFlex LED 2x8 DAX G4
FWHM / FWTM	157.0 + 94.0° / 164.0 + 120.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

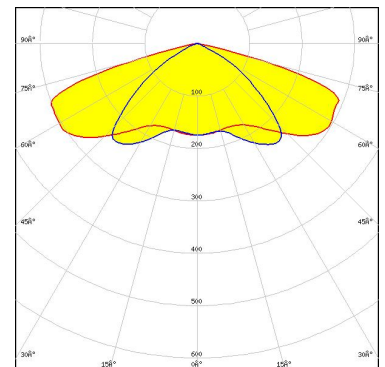


Light distribution files

SAMSUNG

LED	HiLOM RH12 Z (LH351C)
FWHM / FWTM	Asymmetric
Efficiency	86 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Protective plate, glass

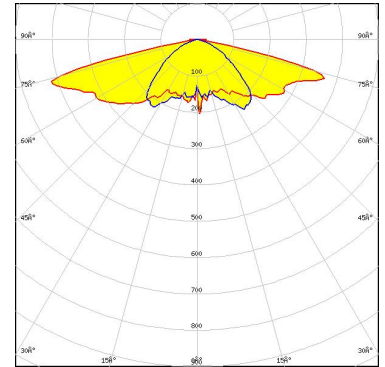


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED	LH351A
FWHM / FWTM	158.0 + 116.0° / 172.0 + 163.0°
Efficiency	92 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

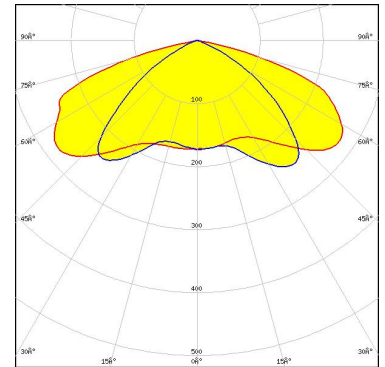


Light distribution files

SAMSUNG

LED	LH351B
FWHM / FWTM	Asymmetric
Efficiency	85 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

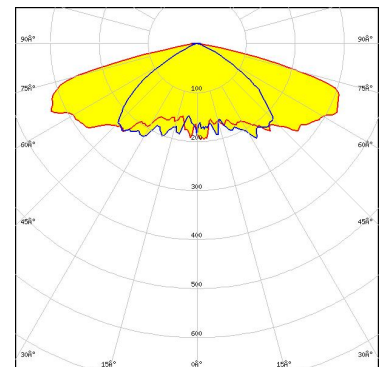
Protective plate, glass



Light distribution files

SAMSUNG

LED	LH351D
FWHM / FWTM	153.0 + 113.0° / 160.0 + 132.0°
Efficiency	92 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

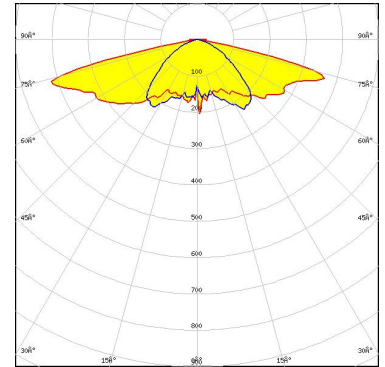


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

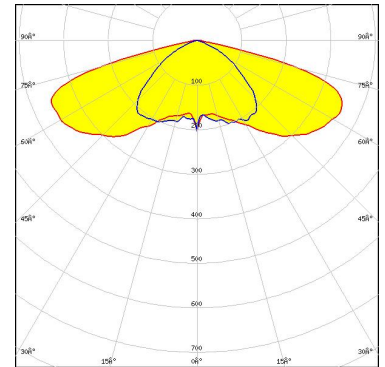
LED	LH351Z
FWHM / FWTM	150.0 + 105.0° / 156.0 + 126.0°
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

LED	LH502D
FWHM / FWTM	152.0 + 112.0° / 158.0 + 140.0°
Efficiency	96 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

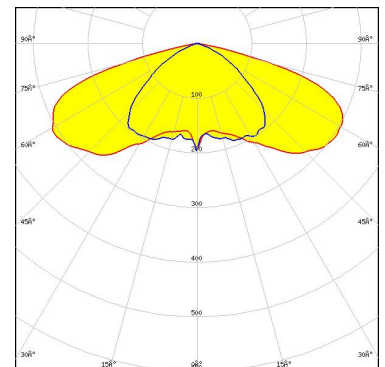


Light distribution files

SAMSUNG

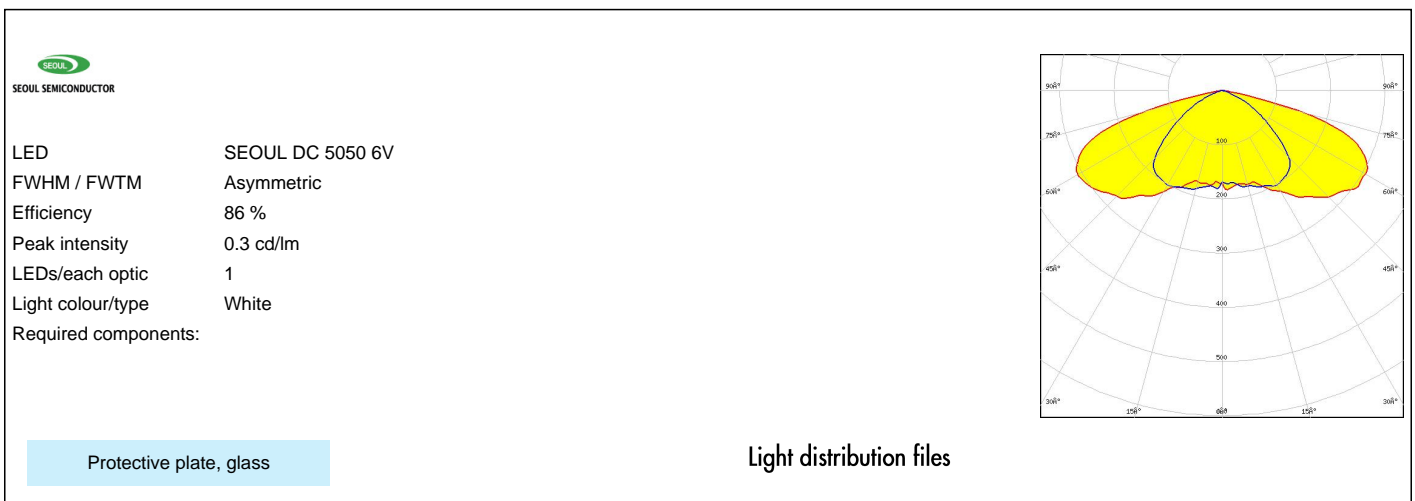
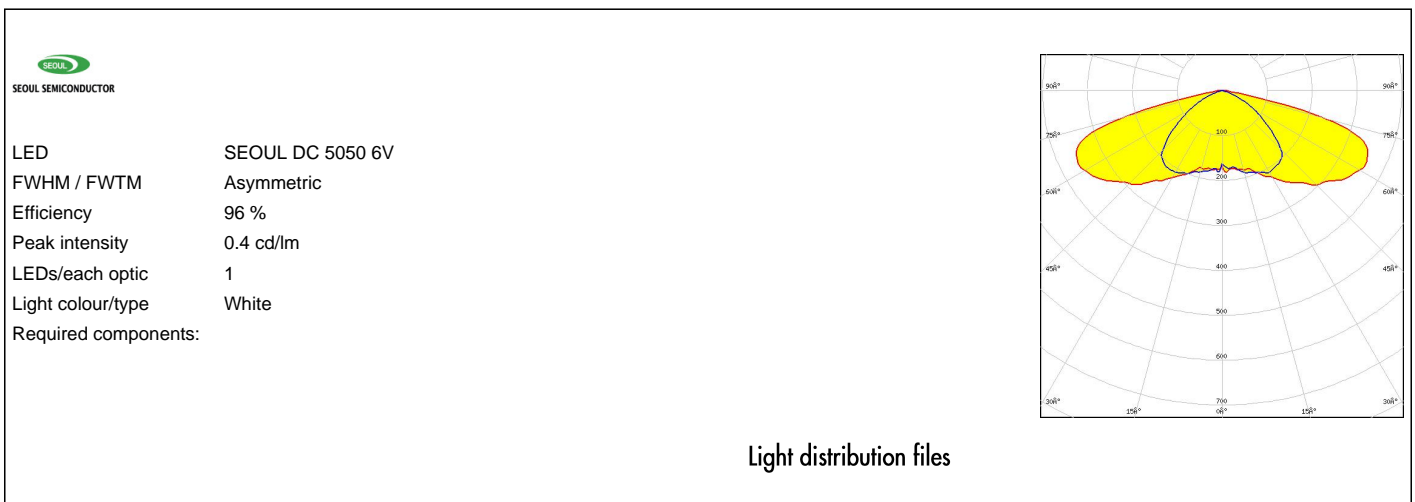
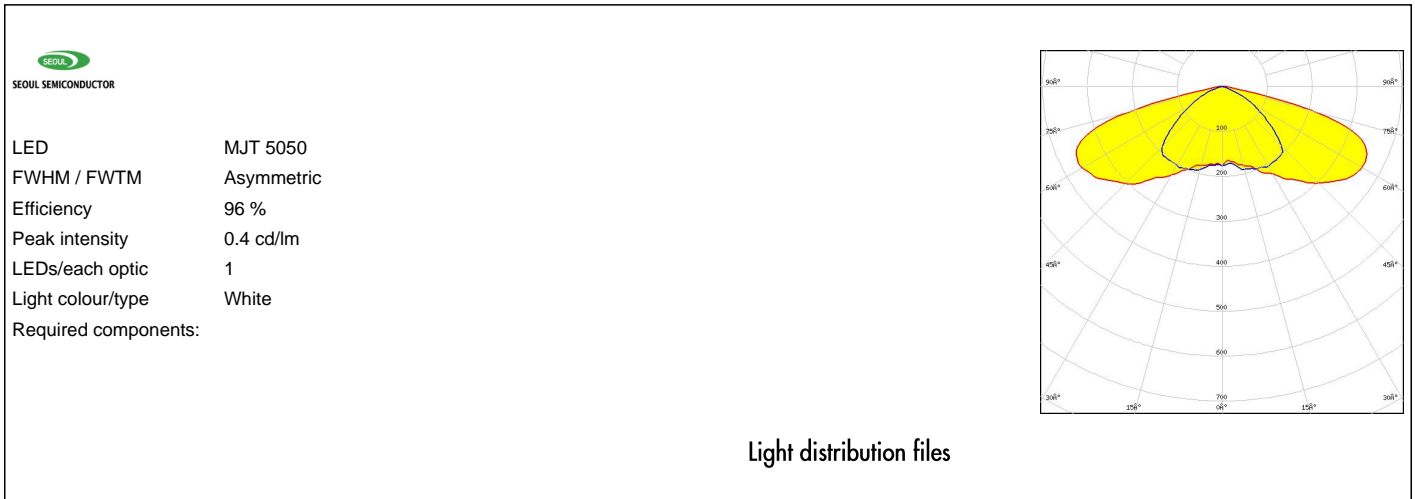
LED	LH502D
FWHM / FWTM	149.0 + 110.0° / 158.0 + 138.0°
Efficiency	85 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Protective plate, glass

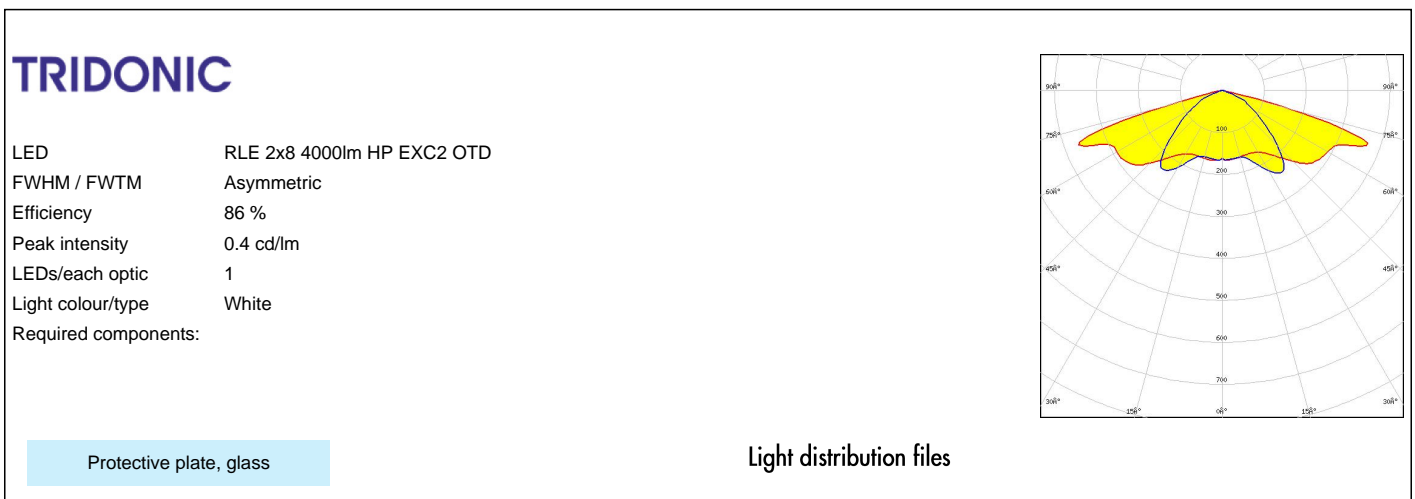
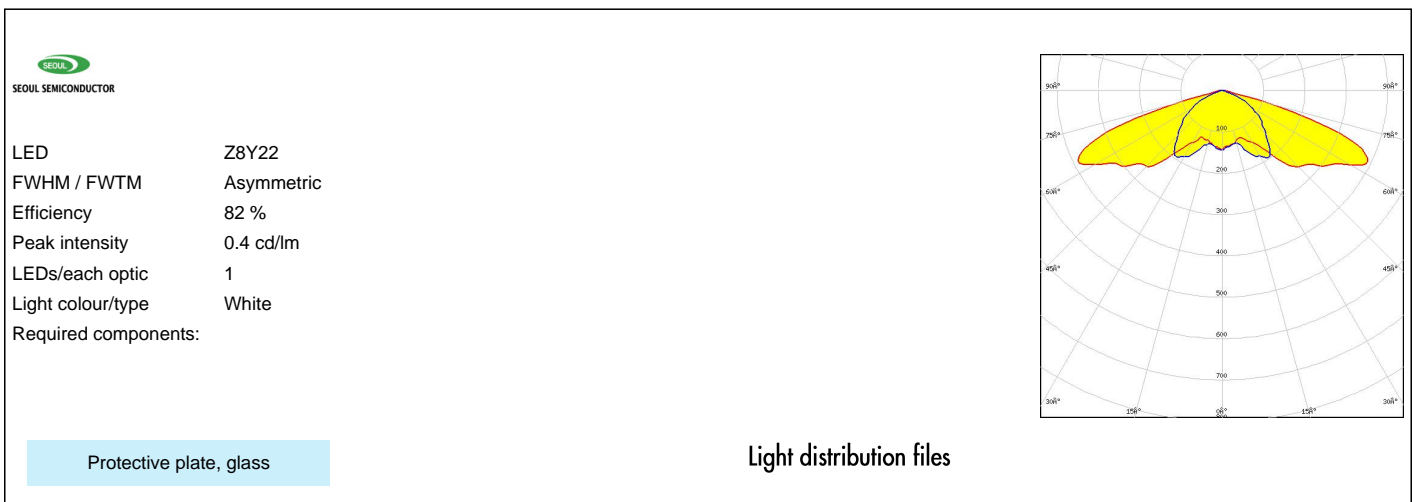
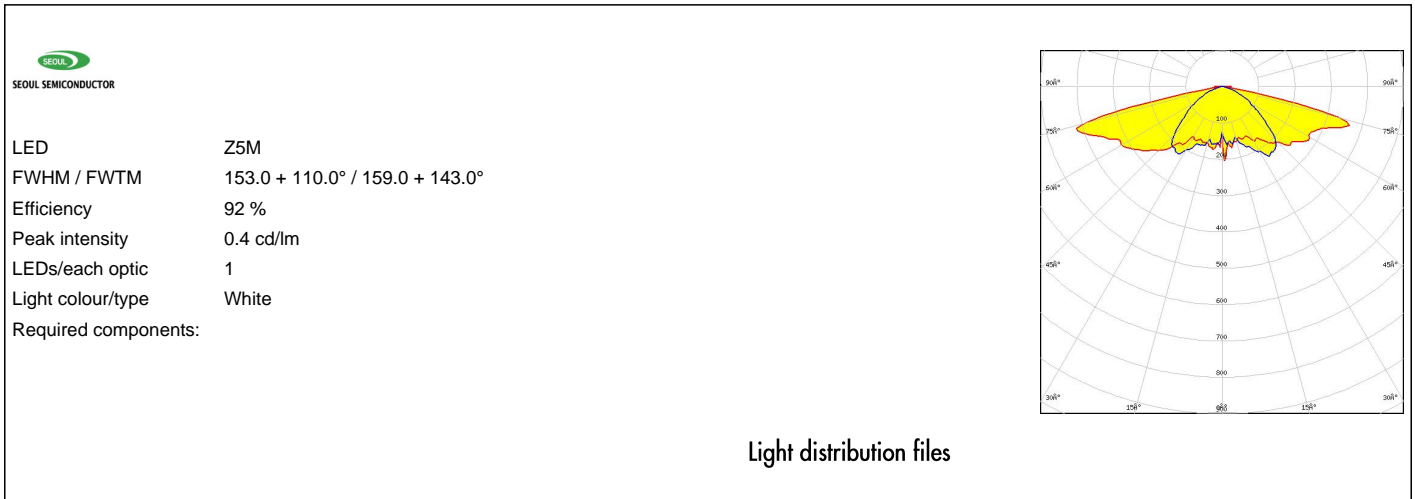


Light distribution files

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:

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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