

STRADA-2X2-T4

IESNA Type IV beam for wider roads and large outdoor area

SPECIFICATION:

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

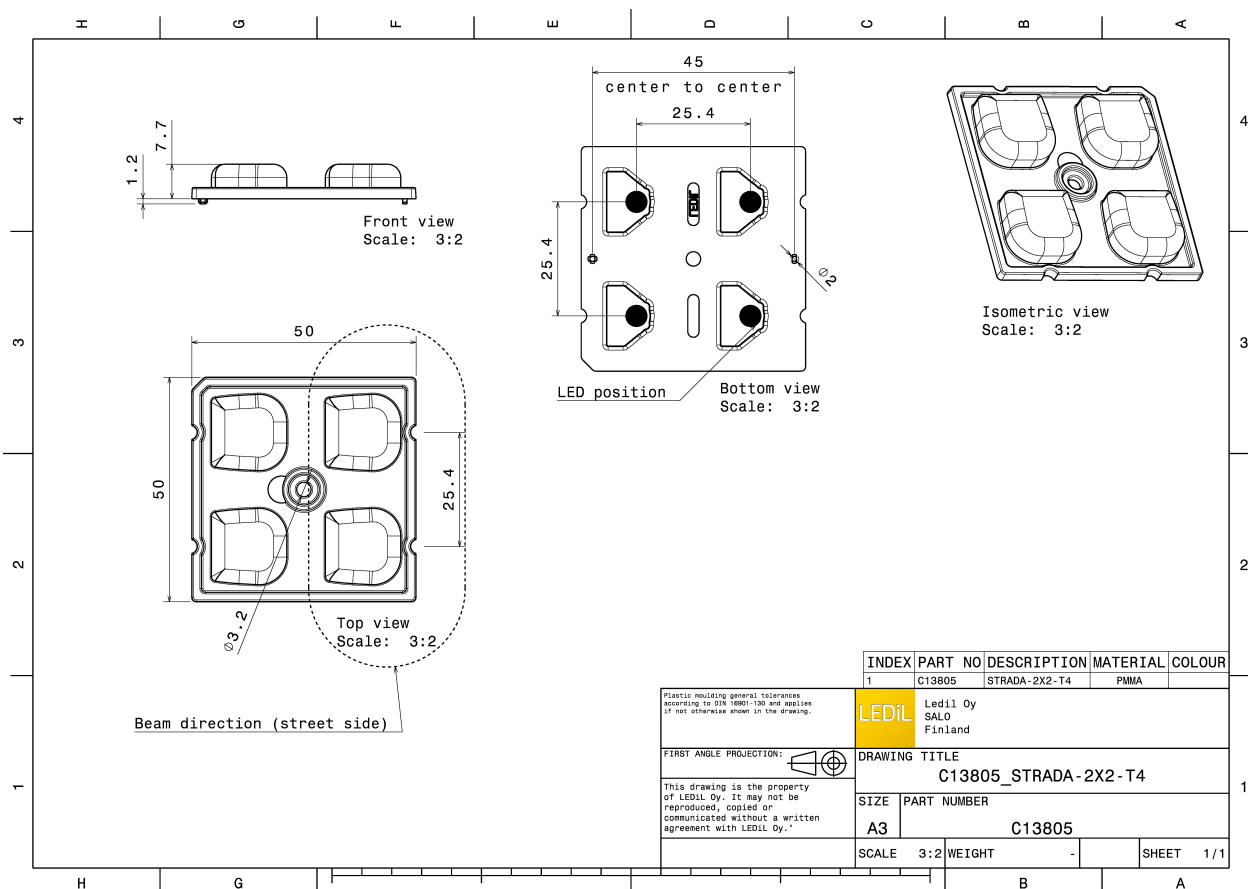
MATERIALS:

Component	Type	Material	Colour	Finish
STRADA-2X2-T4	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C13805_STRADA-2X2-T4 » Box size: 480 x 280 x 300 mm	800	160	160	7.7



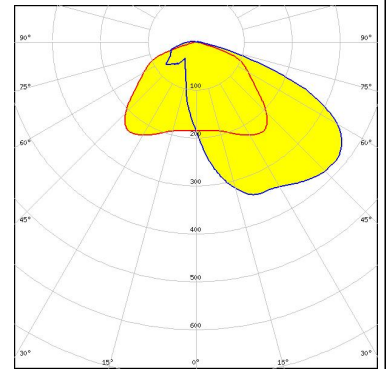


See also our general installation guide: www.ledil.com/installation_guide

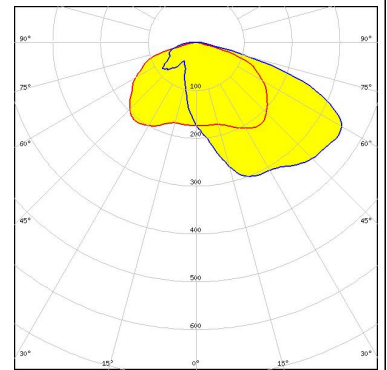
OPTICAL RESULTS (MEASURED):



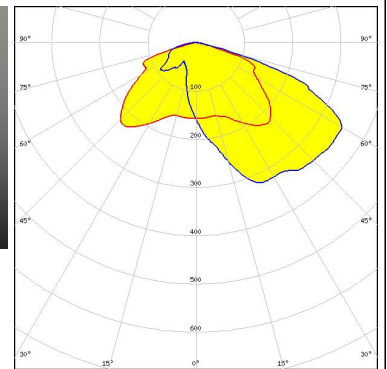
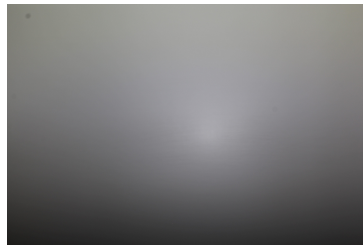
LED J Series 5050C 6V E Class
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



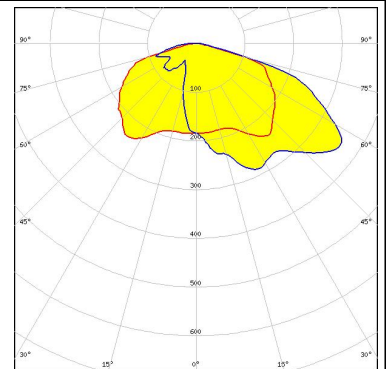
LED XM-L
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XM-L3
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



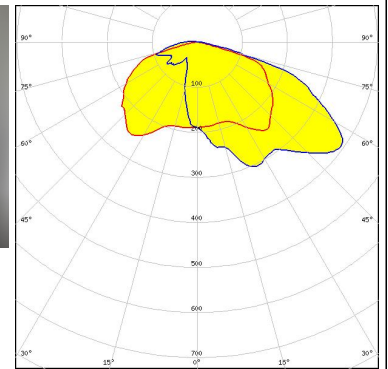
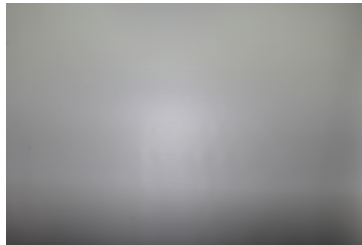
LED XP-G
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



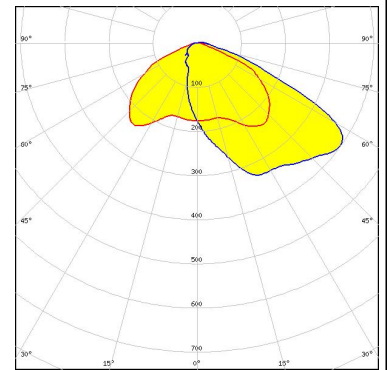
OPTICAL RESULTS (MEASURED):



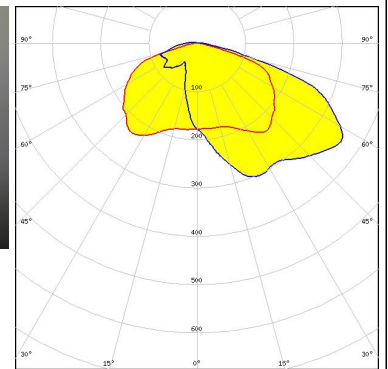
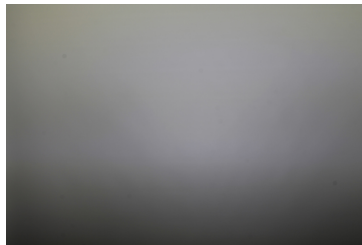
LED XP-G2
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



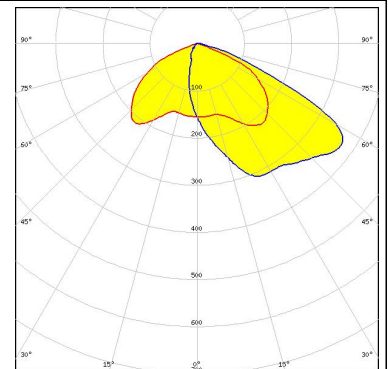
LED XP-G3
FWHM / FWTM Asymmetric
Efficiency 89 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C17580_STRADA-2X2-SHD-WHT



LED XP-G3
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



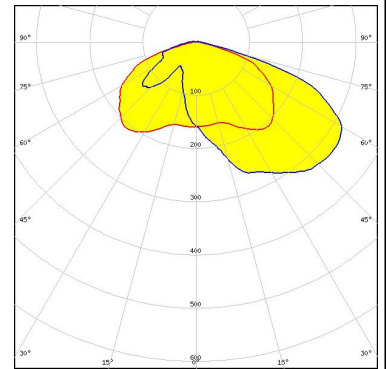
LED XP-G3
FWHM / FWTM Asymmetric
Efficiency 77 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C17677_STRADA-2X2-SHD-BLK



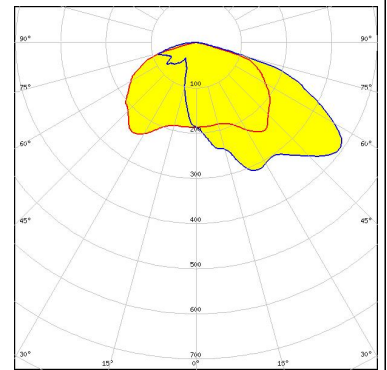
OPTICAL RESULTS (MEASURED):



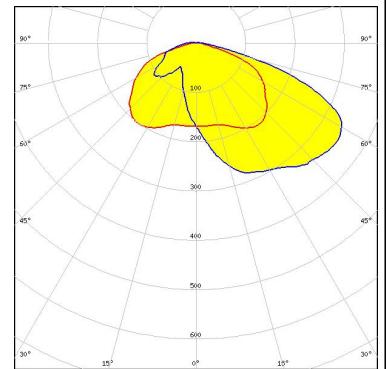
LED XP-L HD
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



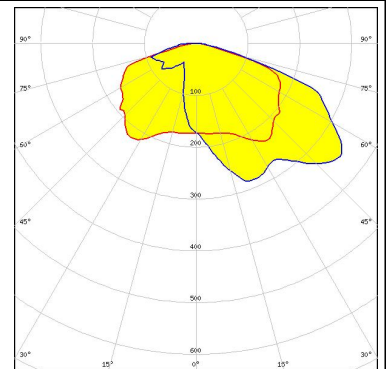
LED XP-L HI
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-L2
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



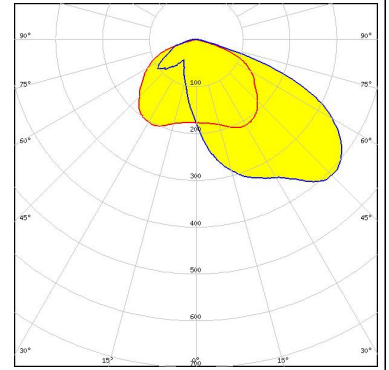
LED XT-E
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (MEASURED):

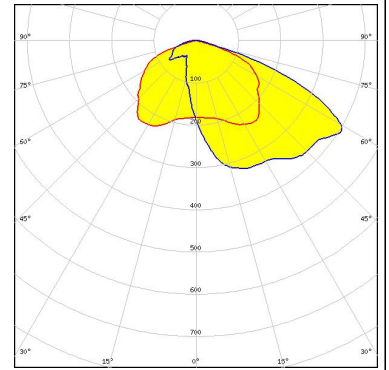
LUMILEDS

LED LUXEON 5050 Round LES
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



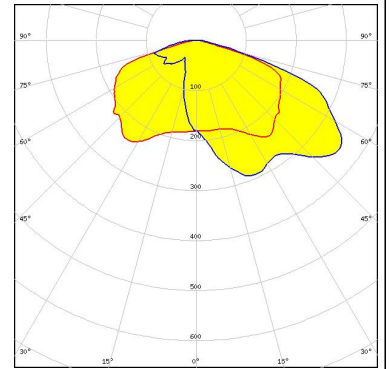
LUMILEDS

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



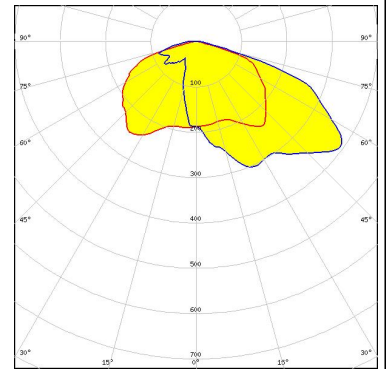
LUMILEDS

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



LUMILEDS

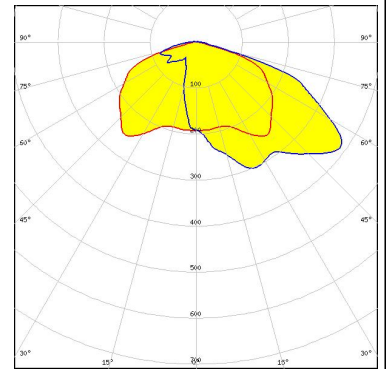
LED LUXEON T
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (MEASURED):

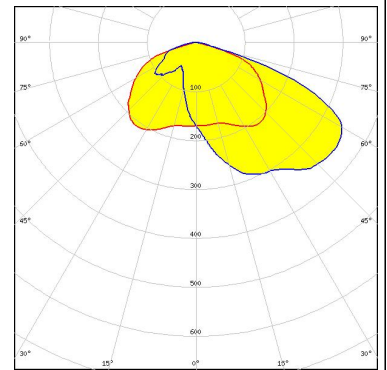
LUMILEDS

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



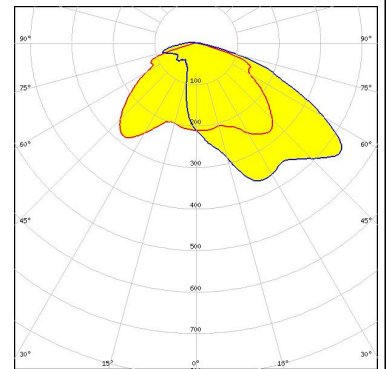
LUMILEDS

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



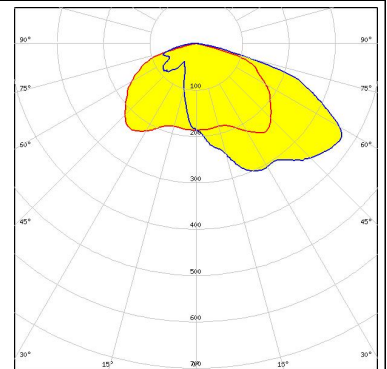
Your solutions

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 White
Required components:



NICHIA

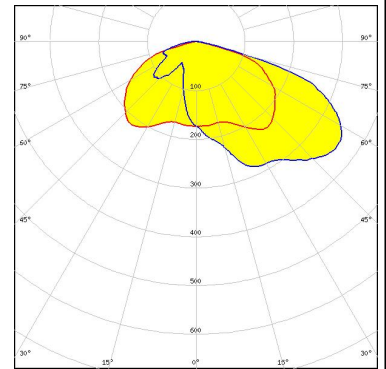
LED NVSW219F
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



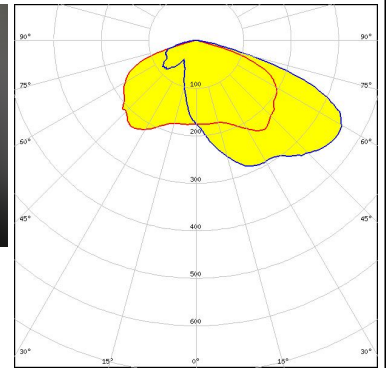
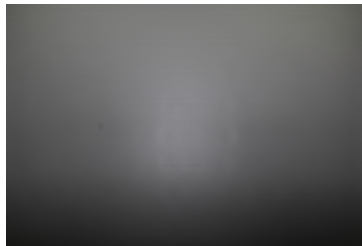
OPTICAL RESULTS (MEASURED):



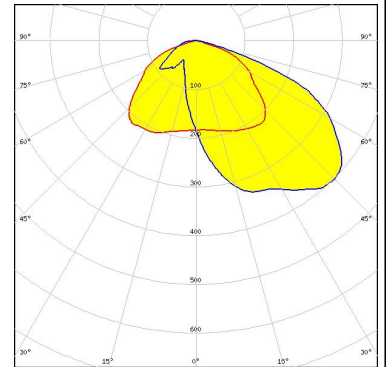
LED NVSW319B
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



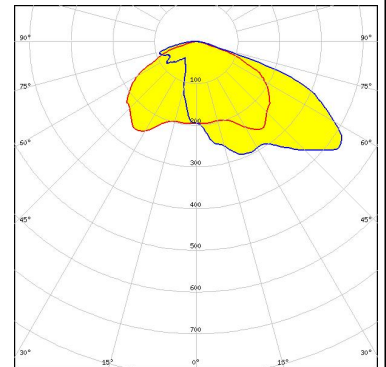
LED NVSW3x9A
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED Duris S8
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



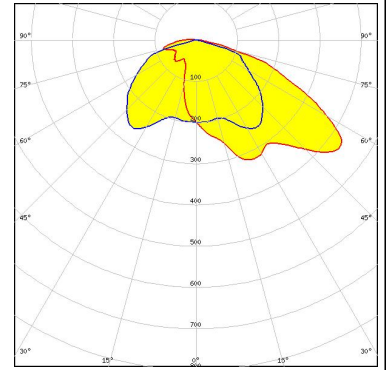
LED OSLOM Square PC
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (MEASURED):

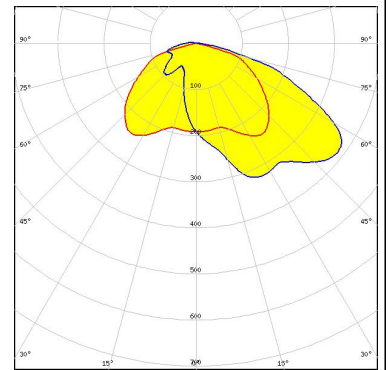
PHILIPS

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



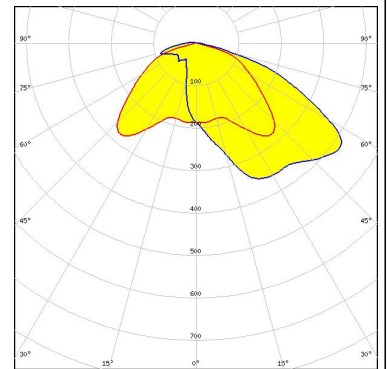
PHILIPS

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



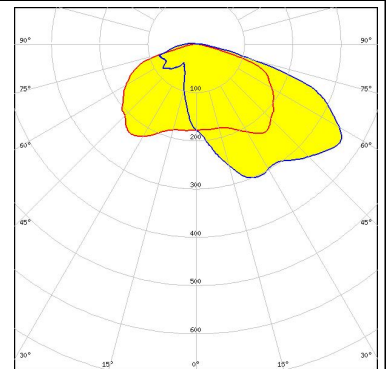
PHILIPS

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



PHILIPS

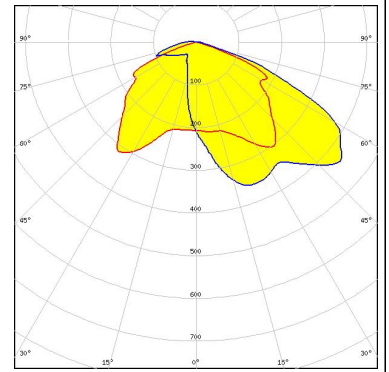
LED Fortimo FastFlex LED 2x8 DAX G4
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

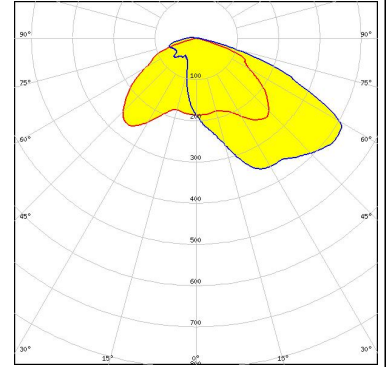
SAMSUNG

LED HiLOM RC12 Z (LH181B)
 FWHM / FWTM Asymmetric
 Efficiency 99 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



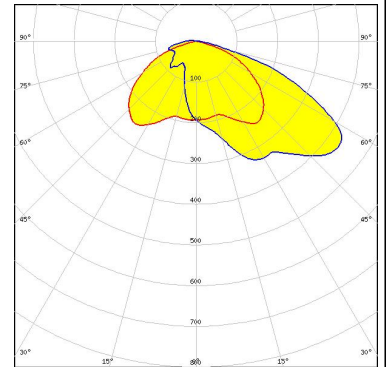
SAMSUNG

LED HiLOM RH12 Z (LH351C)
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



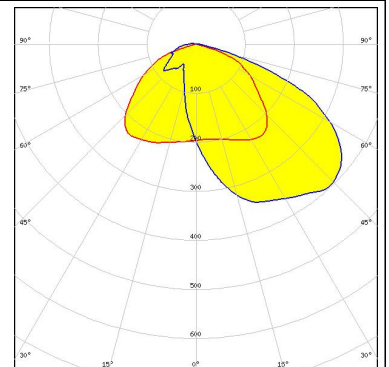
SAMSUNG

LED HiLOM RH16 (LH351C)
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

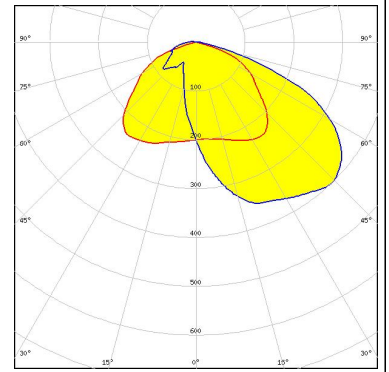
LED HiLOM RM12 Z (LH502C)
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

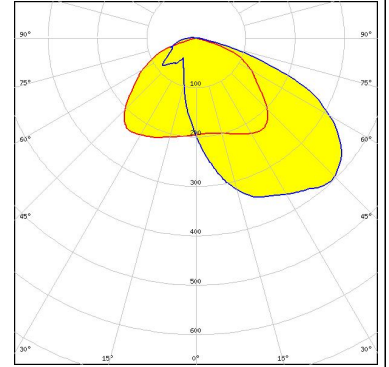
SAMSUNG

LED HiLOM RM16 Z (LH502C)
 FWHM / FWTM Asymmetric
 Efficiency 98 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



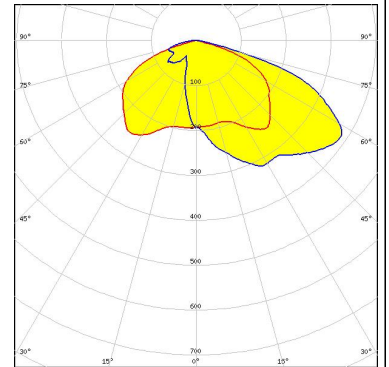
SAMSUNG

LED HiLOM RM8 Z (LH502C)
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

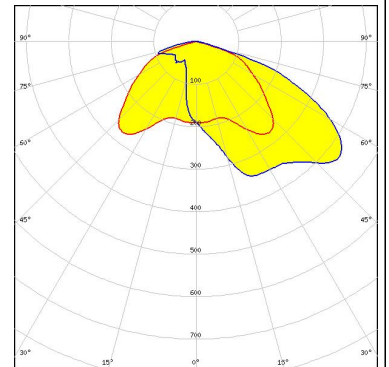


SAMSUNG

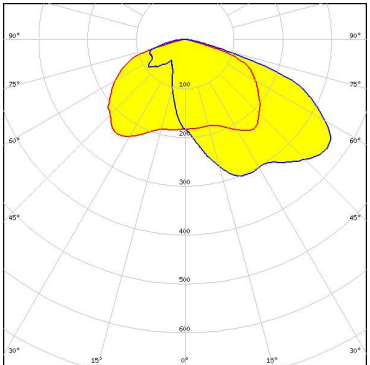
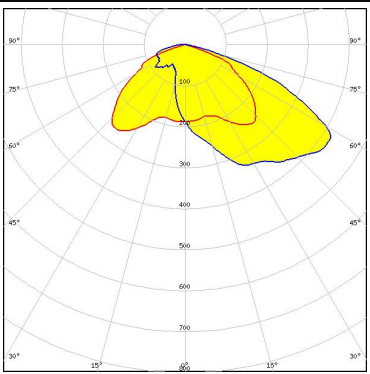
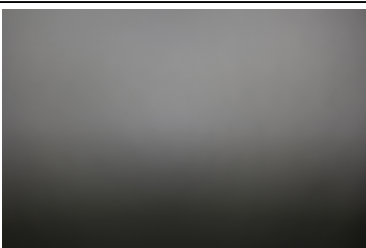
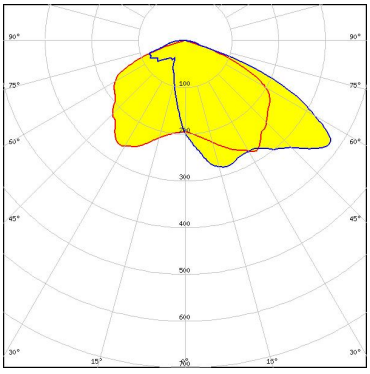
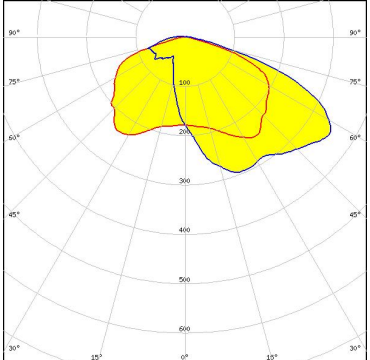
LED LH351B
 FWHM / FWTM Asymmetric
 Efficiency %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LED-Pa-L15c2W11c2-xxx-C050-01
 FWHM / FWTM Asymmetric
 Efficiency 98 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

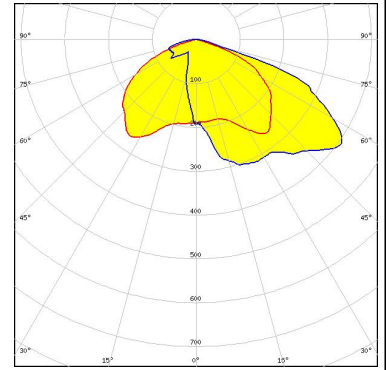
SEOUL SEMICONDUCTOR LED Z5M3 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components:	
SEOUL SEMICONDUCTOR LED Z5M4 FWHM / FWTM Asymmetric Efficiency 97 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components:	
SEOUL SEMICONDUCTOR LED Z8Y22 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:	 
SEOUL SEMICONDUCTOR LED Z8Y22P FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components:	

OPTICAL RESULTS (MEASURED):

TOSHIBA

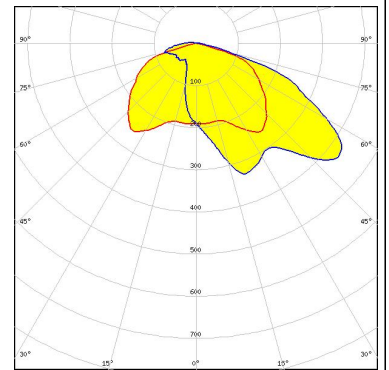
Leading Innovation >>>

LED TL1L4
FWHM / FWTM Asymmetric
Efficiency 91 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



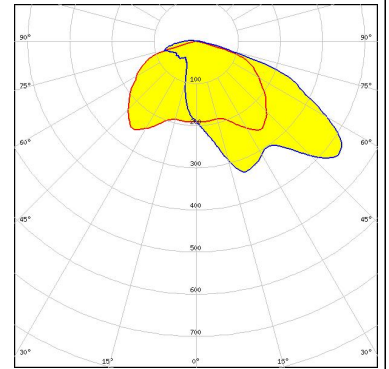
TRIDONIC

LED RLE 2x4 2000lm HP EXC2 OTD
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



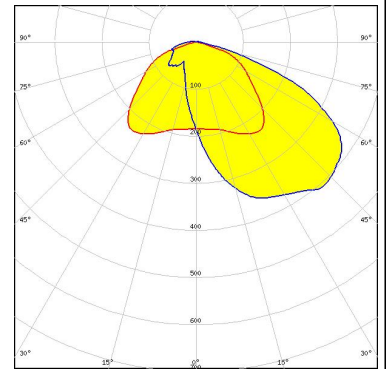
TRIDONIC

LED RLE 2x8 4000lm HP EXC2 OTD
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



TRIDONIC

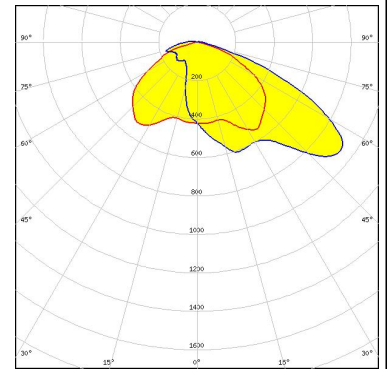
LED RLE 2x8 6000lm HP HE EXC3 OTD
FWHM / FWTM Asymmetric
Efficiency 98 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (MEASURED):

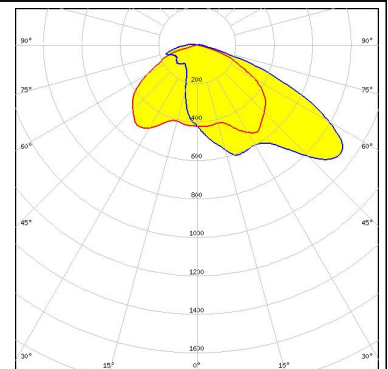
TRIDONIC

LED RLE G1 49x121mm 2000lm xxx EXC OTD
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



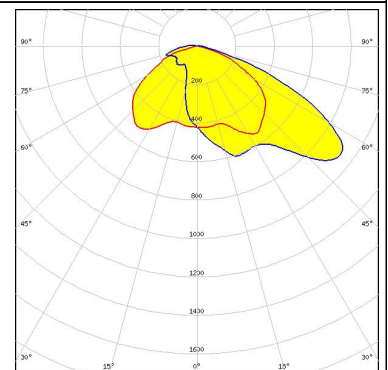
TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



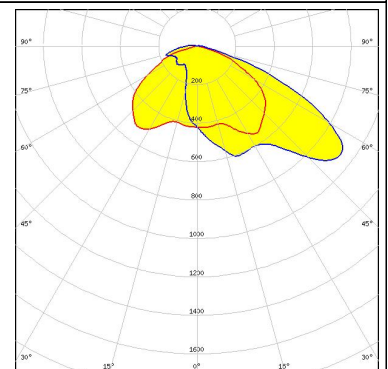
TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



TRIDONIC

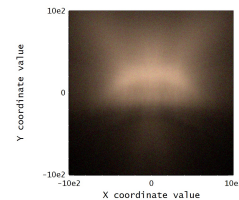
LED RLE G1 49x245mm 4000lm xxx EXC OTD
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



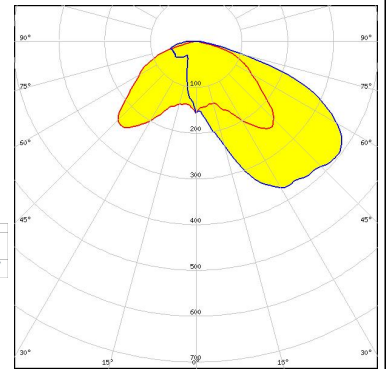
OPTICAL RESULTS (SIMULATED):



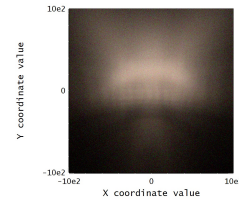
LED XD16
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.5 cd/lm
LEDs/each optic 2
Light colour White
Required components:



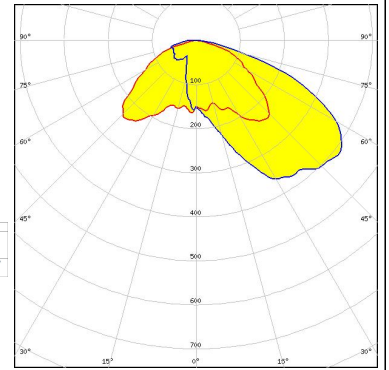
Detector Image: 11 luminance
Zemax
Zemax OpticStudio 21.1
C:\Zemax\Zemax\ZOS\ZOSUI\ZOSUI.ZIP
Zemax Corporation



LED XE-G
FWHM / FWTM Asymmetric
Efficiency 95 %
Peak intensity 0.5 cd/lm
LEDs/each optic 2
Light colour White
Required components:



Detector Image: 11 luminance
Zemax
Zemax OpticStudio 21.1
C:\Zemax\Zemax\ZOS\ZOSUI\ZOSUI.ZIP
Zemax Corporation



LED XHP35 HD
FWHM / FWTM Asymmetric
Efficiency 90 %
LEDs/each optic 1
Light colour White
Required components:

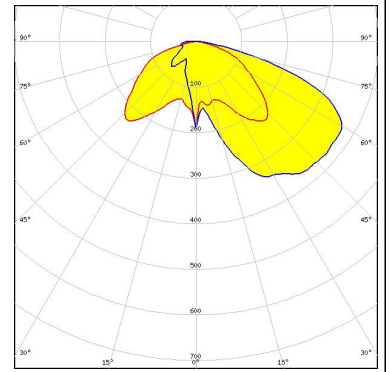


LED XHP35 HI
FWHM / FWTM Asymmetric
Efficiency 93 %
LEDs/each optic 1
Light colour White
Required components:

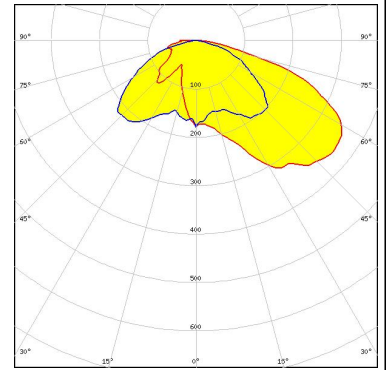
OPTICAL RESULTS (SIMULATED):



LED XM-L2
FWHM / FWTM Asymmetric
Efficiency 94 %
LEDs/each optic 1
Light colour White
Required components:

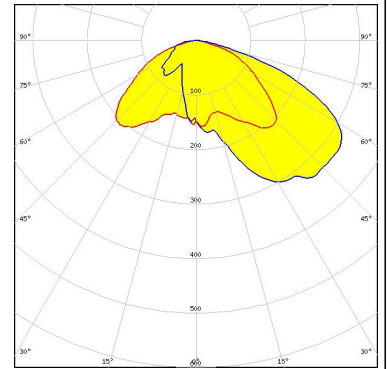


LED XP-G2 HE
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-G3
FWHM / FWTM Asymmetric
Efficiency 79 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

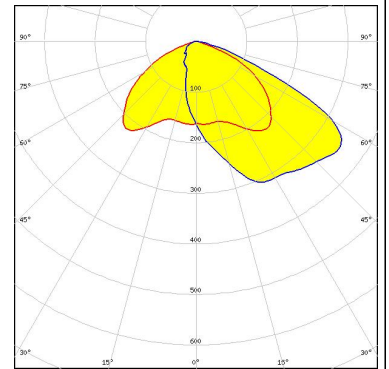
Protective plate, glass



LED XP-G3
FWHM / FWTM Asymmetric
Efficiency 76 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C17580_STRADA-2X2-SHD-WHT

Protective plate, glass

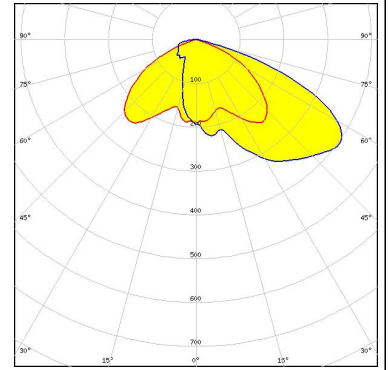


OPTICAL RESULTS (SIMULATED):

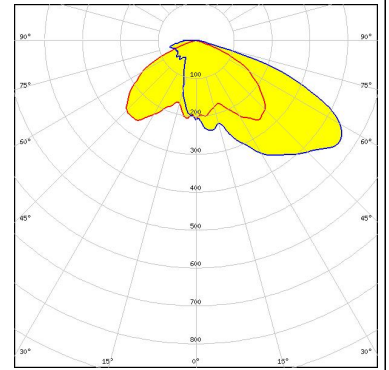


LED XP-G4
FWHM / FWTM Asymmetric
Efficiency 83 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass

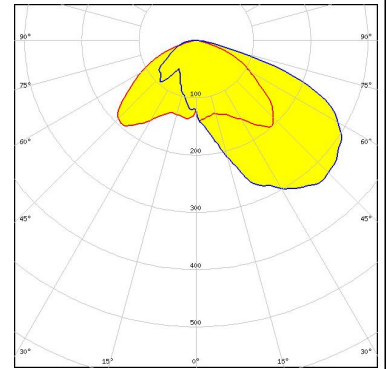


LED XP-G4
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



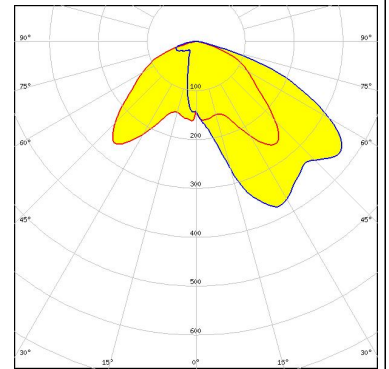
LED XP-L2
FWHM / FWTM Asymmetric
Efficiency 79 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass



LED LUXEON 3030 2D (Round LES)
FWHM / FWTM Asymmetric
Efficiency 81 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

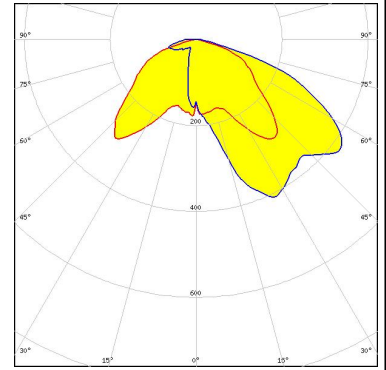
Protective plate, glass



OPTICAL RESULTS (SIMULATED):

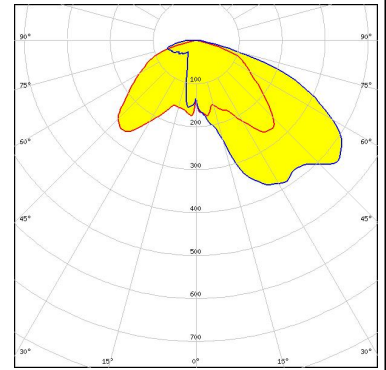
LUMILEDS

LED LUXEON 3030 2D (Round LES)
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

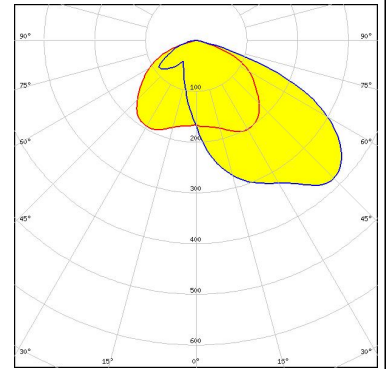
LED LUXEON 3030 2D (Square LES)
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

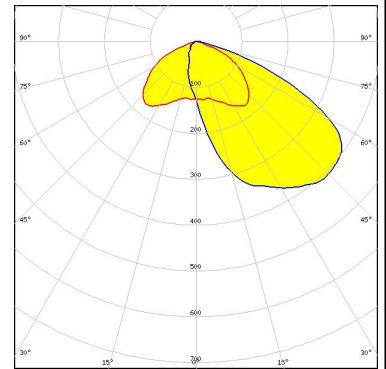
LED LUXEON 5050 Round LES
 FWHM / FWTM Asymmetric
 Efficiency 84 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



LUMILEDS

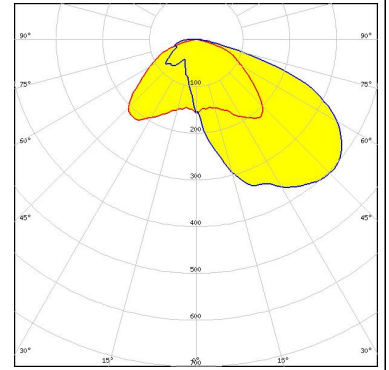
LED LUXEON 5050 Square LES
 FWHM / FWTM Asymmetric
 Efficiency 81 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C17677_STRADA-2X2-SHD-BLK



OPTICAL RESULTS (SIMULATED):

LUMILEDS

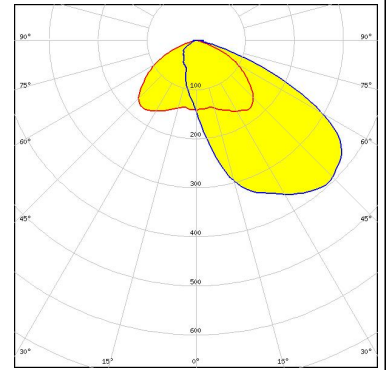
LED LUXEON 5050 Square LES
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LUMILEDS

LED LUXEON 5050 Square LES
FWHM / FWTM Asymmetric
Efficiency 78 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C17580_STRADA-2X2-SHD-WHT

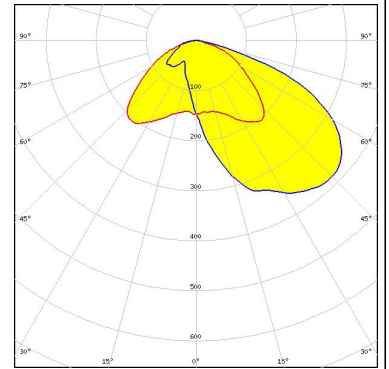
Protective plate, glass



LUMILEDS

LED LUXEON 5050 Square LES
FWHM / FWTM Asymmetric
Efficiency 84 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

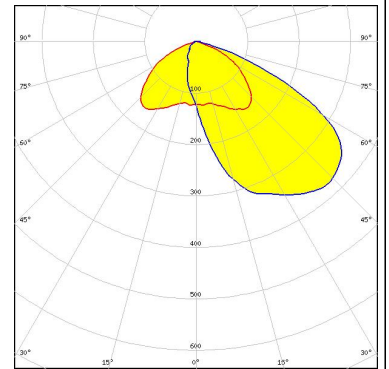
Protective plate, glass



LUMILEDS

LED LUXEON 5050 Square LES
FWHM / FWTM Asymmetric
Efficiency 71 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C17677_STRADA-2X2-SHD-BLK

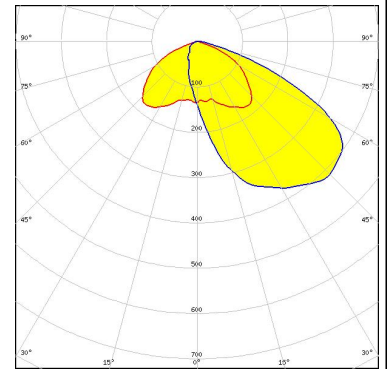
Protective plate, glass



OPTICAL RESULTS (SIMULATED):

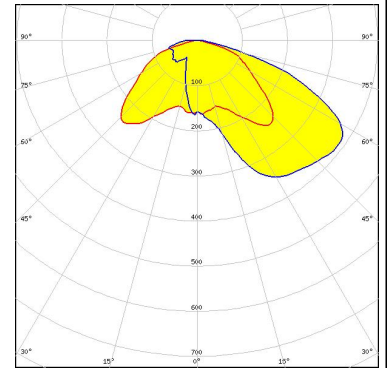
LUMILEDS

LED LUXEON 5050 Square LES
 FWHM / FWTM Asymmetric
 Efficiency 84 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C17580_STRADA-2X2-SHD-WHT



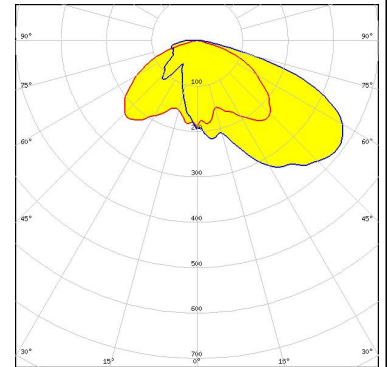
LUMILEDS

LED LUXEON V2
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

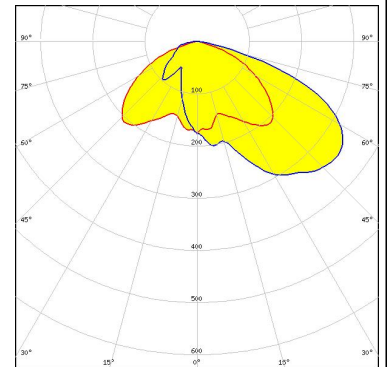
LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)
 FWHM / FWTM Asymmetric
 Efficiency 81 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass

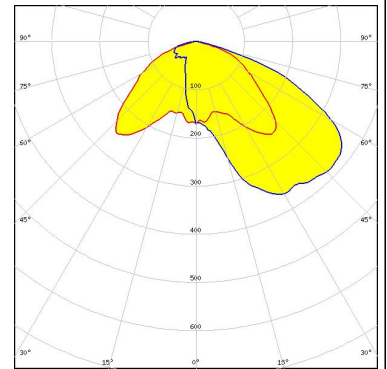


OPTICAL RESULTS (SIMULATED):

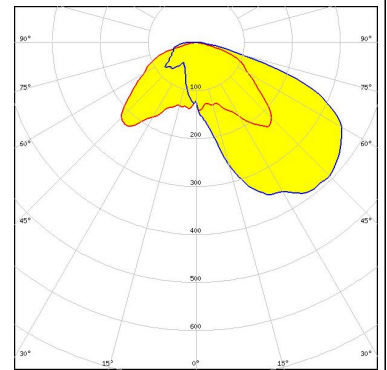


LED NF2x757D
 FWHM / FWTM Asymmetric
 Efficiency 84 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass

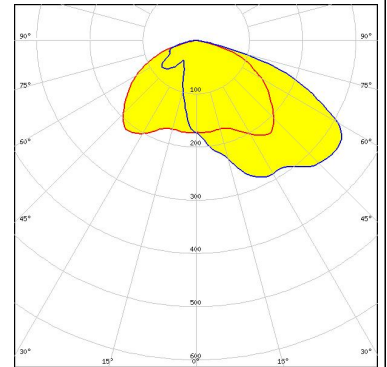


LED NV4WB35AM
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

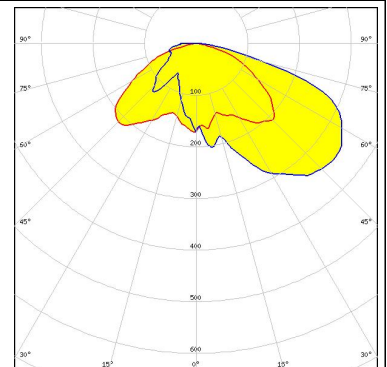


LED NVSW219F
 FWHM / FWTM Asymmetric
 Efficiency 81 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



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

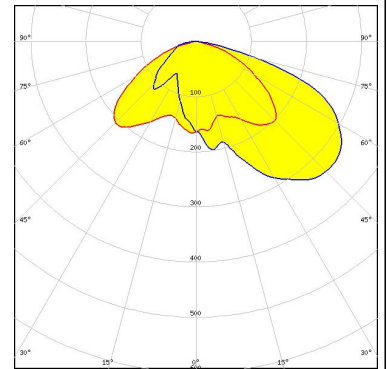


OPTICAL RESULTS (SIMULATED):

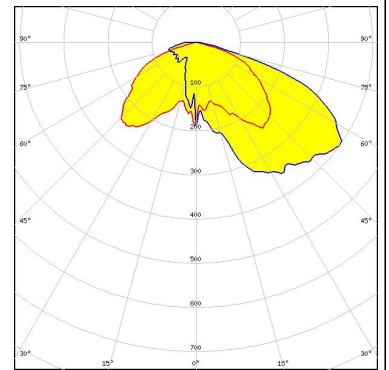


LED NVSW519A
FWHM / FWTM Asymmetric
Efficiency 82 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

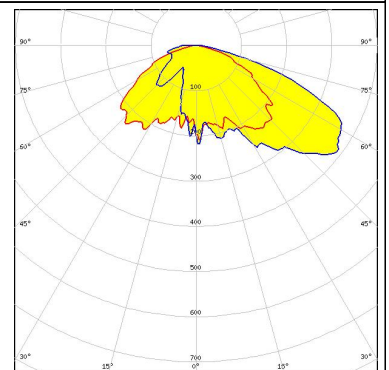
Protective plate, glass



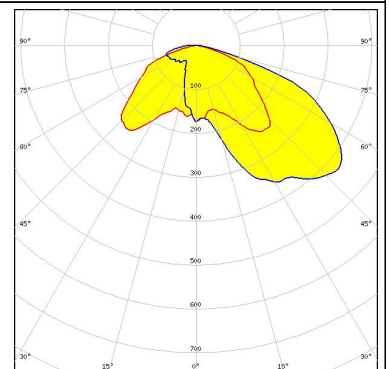
LED NVSxx19B/NVSxx19C
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED PrevaLED Brick HP 2x8
FWHM / FWTM Asymmetric
Efficiency 92 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED Duris S5 (2 chip)
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



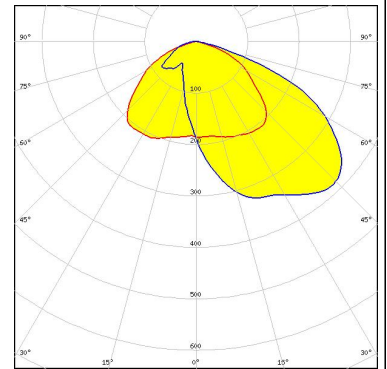
OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

LED Duris S8
FWHM / FWTM Asymmetric
Efficiency 86 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass

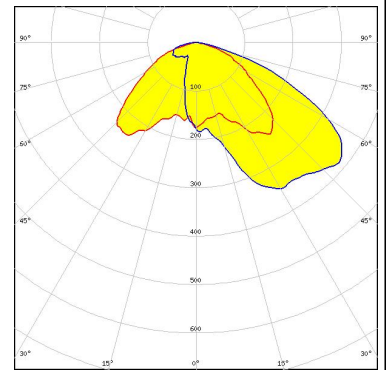


OSRAM

Opto Semiconductors

LED OSCONIQ P 3737 (2W version)
FWHM / FWTM Asymmetric
Efficiency 82 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

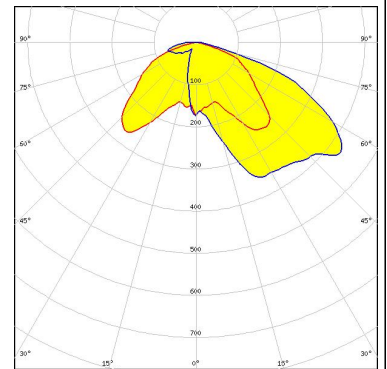
Protective plate, glass



OSRAM

Opto Semiconductors

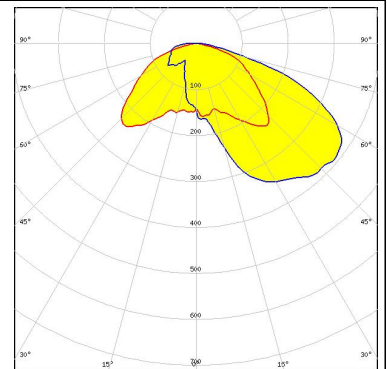
LED OSCONIQ P 3737 (2W version)
FWHM / FWTM Asymmetric
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

LED OSCONIQ P 3737 (3W version)
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

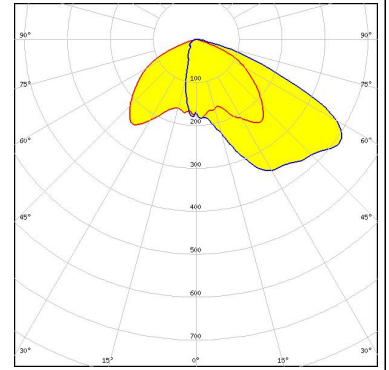


OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM Asymmetric
 Efficiency 85 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C17580_STRADA-2X2-SHD-WHT

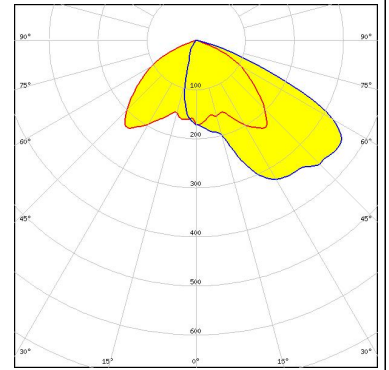


OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM Asymmetric
 Efficiency 70 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C17677_STRADA-2X2-SHD-BLK

Protective plate, glass

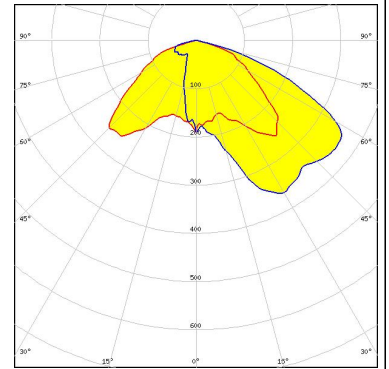


OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM Asymmetric
 Efficiency 82 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

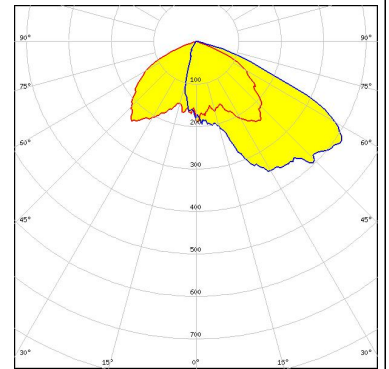
Protective plate, glass



OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM Asymmetric
 Efficiency 80 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C17677_STRADA-2X2-SHD-BLK



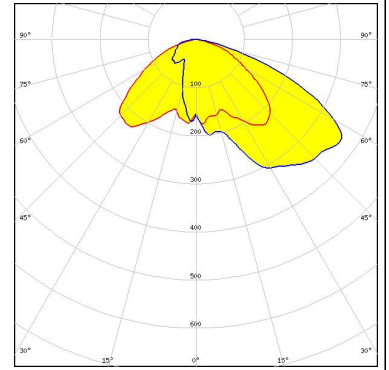
OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

LED OSLO Square CSSRM2/CSSRM3
FWHM / FWTM Asymmetric
Efficiency 81 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

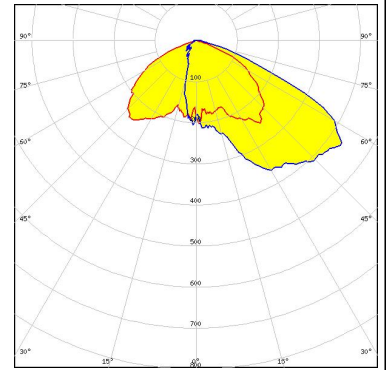
Protective plate, glass



OSRAM

Opto Semiconductors

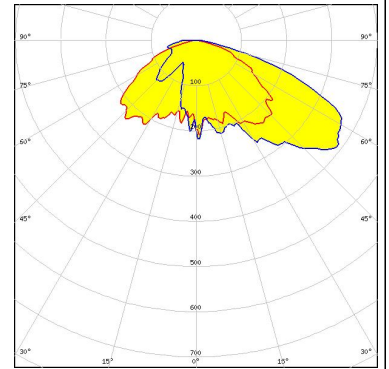
LED OSLO Square CSSRM2/CSSRM3
FWHM / FWTM Asymmetric
Efficiency 86 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C17580_STRADA-2X2-SHD-WHT



OSRAM

Opto Semiconductors

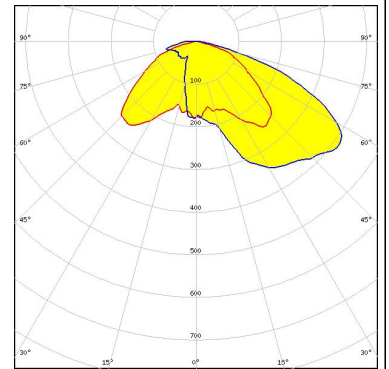
LED OSLO Square CSSRM2/CSSRM3
FWHM / FWTM Asymmetric
Efficiency 92 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

LED OSLO Square CSSRM2/CSSRM3
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



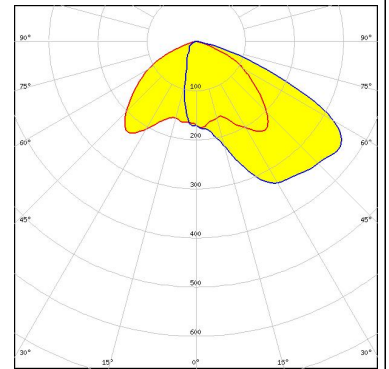
OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM Asymmetric
 Efficiency 75 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C17580_STRADA-2X2-SHD-WHT

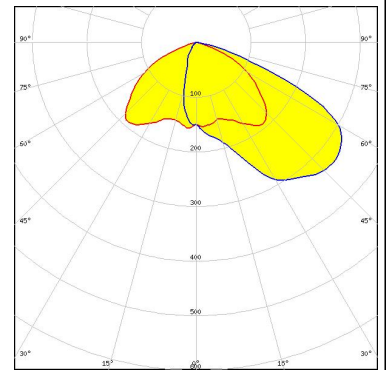
Protective plate, glass



PHILIPS

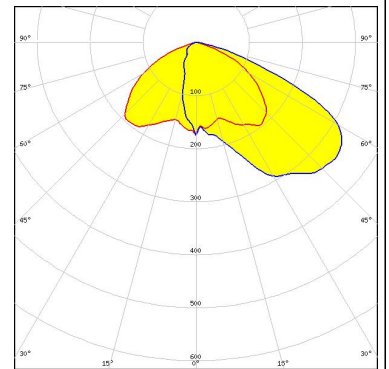
LED Fortimo FastFlex LED 2x8 DA G4+
 FWHM / FWTM Asymmetric
 Efficiency 68 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C17677_STRADA-2X2-SHD-BLK

Protective plate, glass



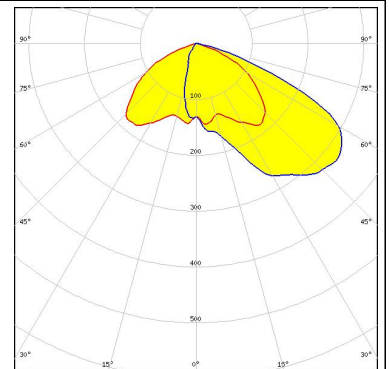
PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4+
 FWHM / FWTM Asymmetric
 Efficiency 72 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C17580_STRADA-2X2-SHD-WHT



PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4+
 FWHM / FWTM Asymmetric
 Efficiency 65 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C17677_STRADA-2X2-SHD-BLK



OPTICAL RESULTS (SIMULATED):

PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4+

FWHM / FWTM Asymmetric

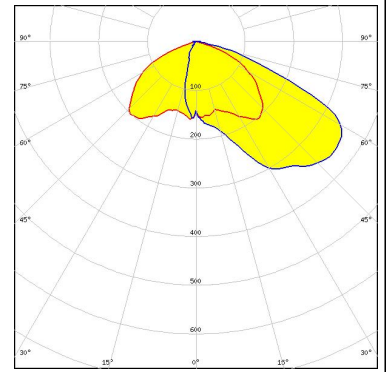
Efficiency 76 %

Peak intensity 0.5 cd/lm

LEDs/each optic 1

Light colour White

Required components:
C17677_STRADA-2X2-SHD-BLK



PHILIPS

LED Fortimo FastFlex LED 2x8 DA G5

FWHM / FWTM Asymmetric

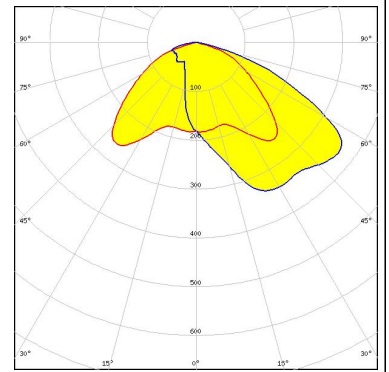
Efficiency 83 %

Peak intensity 0.4 cd/lm

LEDs/each optic 1

Light colour White

Required components:
Protective plate, glass



PHILIPS

LED Fortimo FastFlex LED 2x8 DA HE

FWHM / FWTM Asymmetric

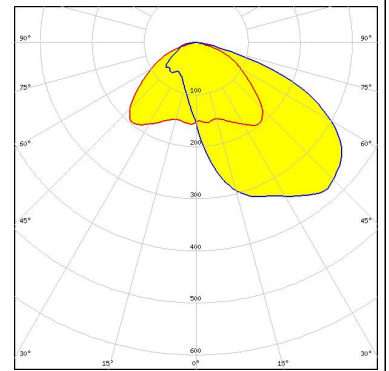
Efficiency 82 %

Peak intensity 0.4 cd/lm

LEDs/each optic 1

Light colour White

Required components:
Protective plate, glass



PHILIPS

LED Fortimo FastFlex LED 2x8 DA HE

FWHM / FWTM Asymmetric

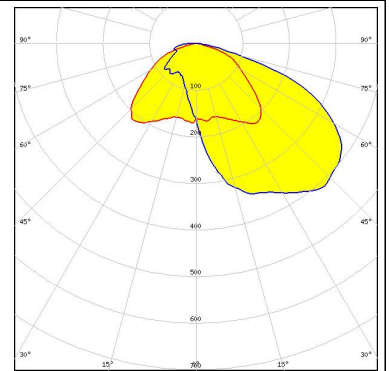
Efficiency 97 %

Peak intensity 0.5 cd/lm

LEDs/each optic 1

Light colour White

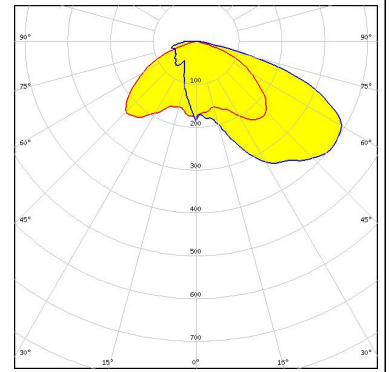
Required components:



OPTICAL RESULTS (SIMULATED):

SAMSUNG

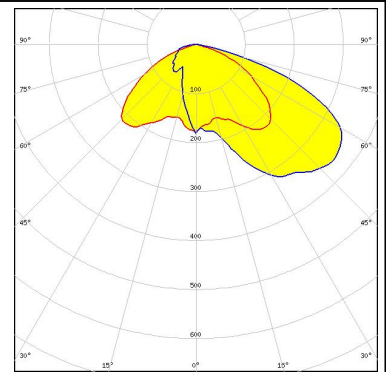
LED LH351C
FWHM / FWTM Asymmetric
Efficiency 96 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

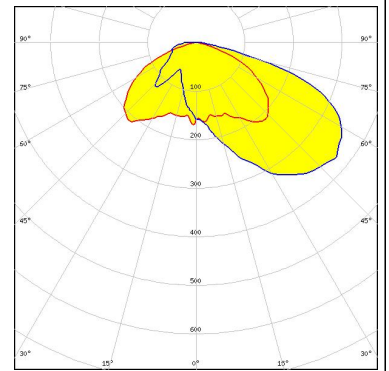
LED LH351C
FWHM / FWTM Asymmetric
Efficiency 83 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass



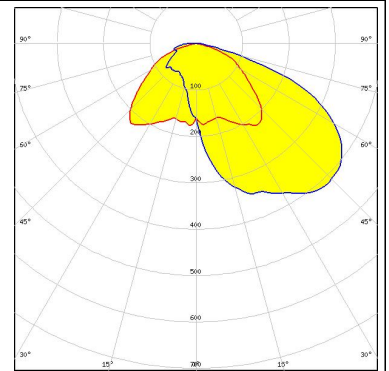
SAMSUNG

LED LH351D
FWHM / FWTM Asymmetric
Efficiency 95 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

LED LH502C
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

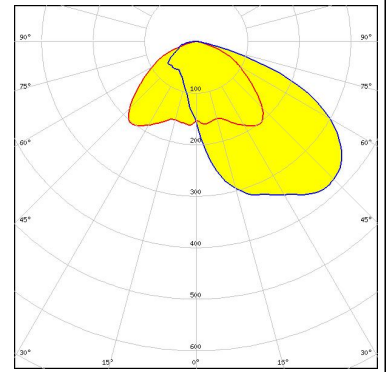


OPTICAL RESULTS (SIMULATED):

SAMSUNG

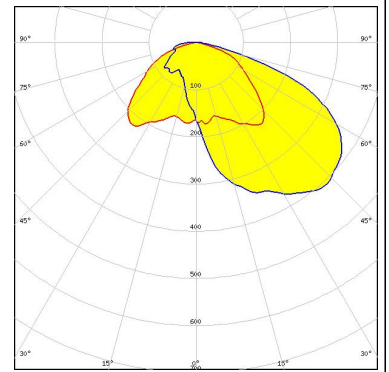
LED LH502C
FWHM / FWTM Asymmetric
Efficiency 82 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass



SAMSUNG

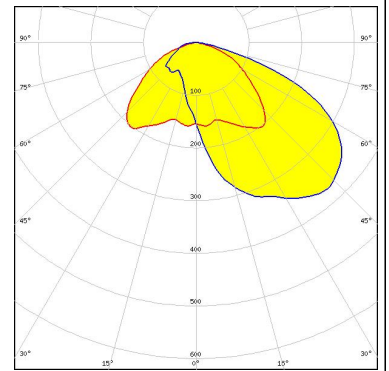
LED LH502D
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

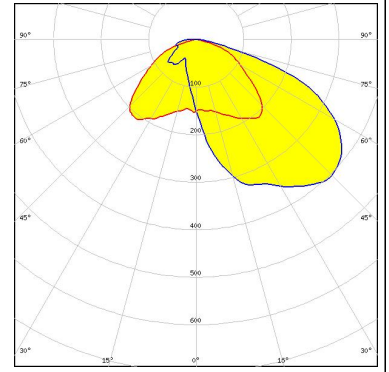
LED LH502D
FWHM / FWTM Asymmetric
Efficiency 82 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass

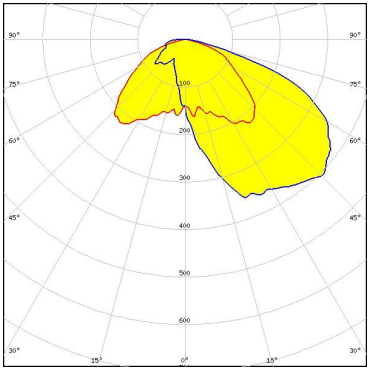
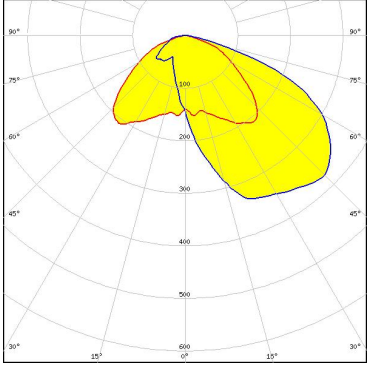
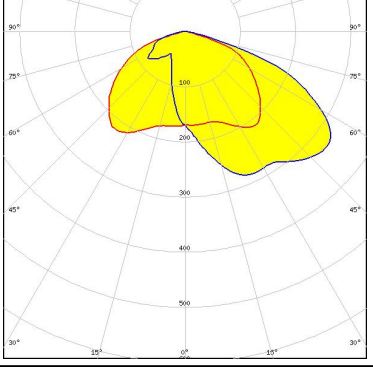
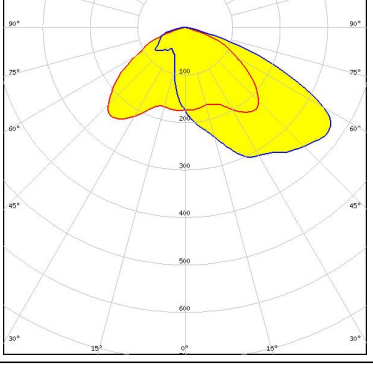


SEOUL SEMICONDUCTOR

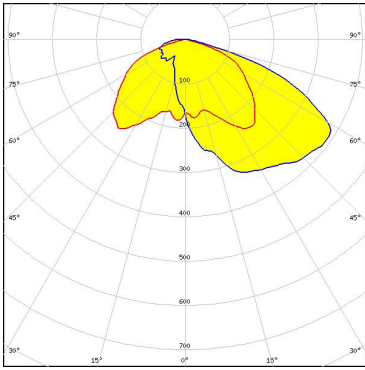
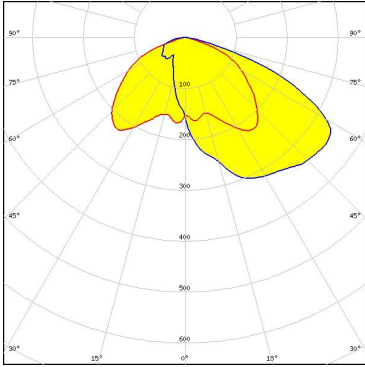
LED MJT 5050
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

SEOUL SEMICONDUCTOR LED: SEOUL DC 5050 6V FWHM / FWTM: Asymmetric Efficiency: 94 % Peak intensity: 0.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:	
SEOUL SEMICONDUCTOR LED: SEOUL DC 5050 6V FWHM / FWTM: Asymmetric Efficiency: 83 % Peak intensity: 0.4 cd/lm LEDs/each optic: 1 Light colour: White Required components: Protective plate, glass	
SEOUL SEMICONDUCTOR LED: Z5M3 FWHM / FWTM: Asymmetric Efficiency: 81 % Peak intensity: 0.4 cd/lm LEDs/each optic: 1 Light colour: White Required components: Protective plate, glass	
SEOUL SEMICONDUCTOR LED: Z5M4 FWHM / FWTM: Asymmetric Efficiency: 82 % Peak intensity: 0.5 cd/lm LEDs/each optic: 1 Light colour: White Required components: Protective plate, glass	

OPTICAL RESULTS (SIMULATED):

 SEOUL SEMICONDUCTOR LED Z5M5 FWHM / FWTM Asymmetric Efficiency 97 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components:	
 SEOUL SEMICONDUCTOR LED Z5M5 FWHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass	

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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