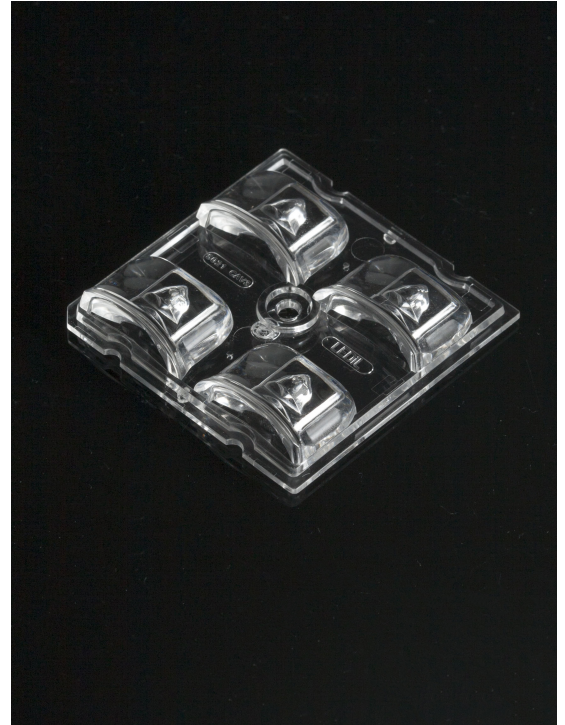


STRADA-2X2-SCL

Type II/III (long) beam for very wide pole to pole distances. Ideal for pedestrian paths and residential roads. EN13201 P-classes.

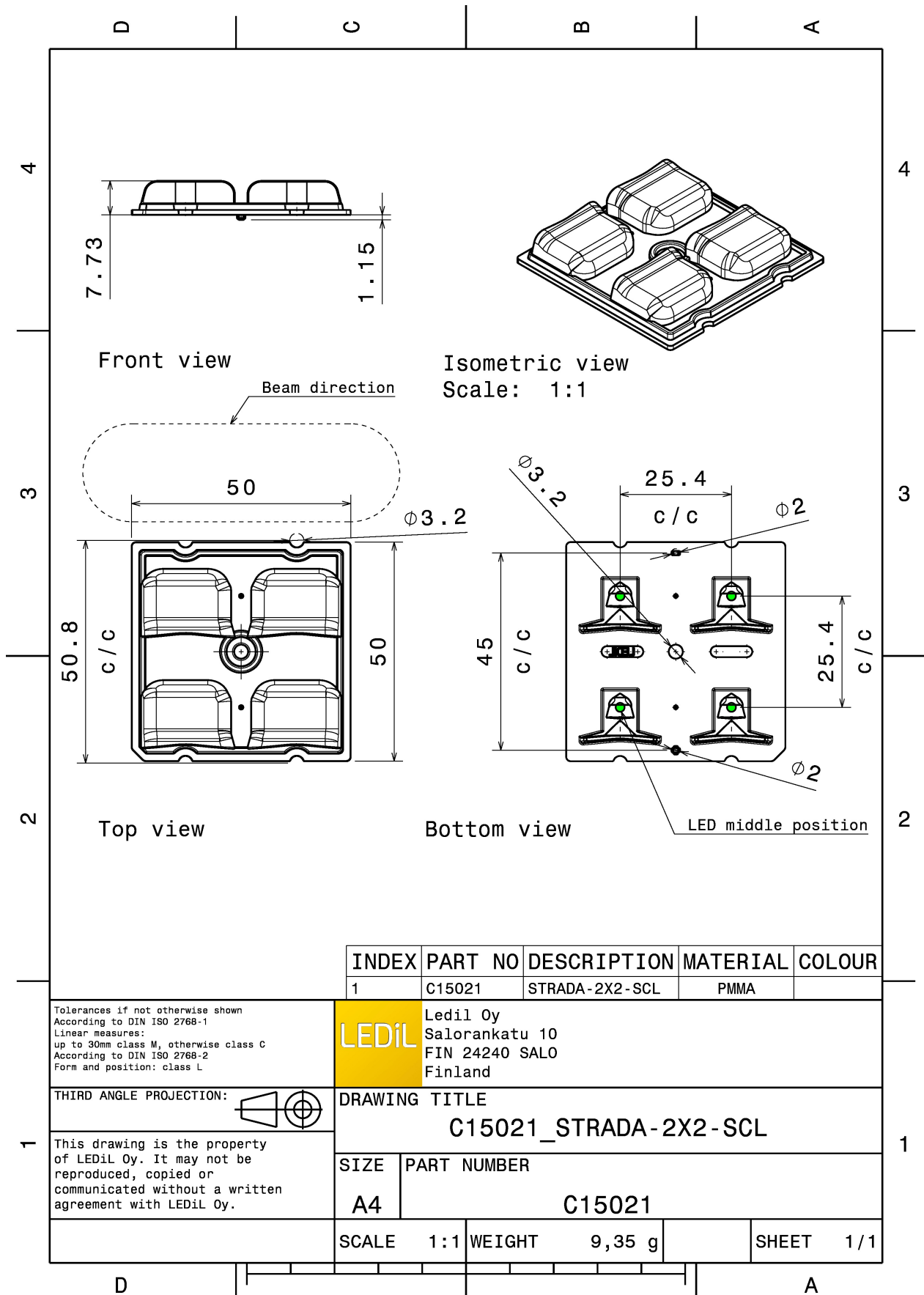
TECHNICAL SPECIFICATIONS:

Dimensions	50.0 mm
Height	7.8 mm
Fastening	pin, screw
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	8.3 kg
Quantity in Box	800 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

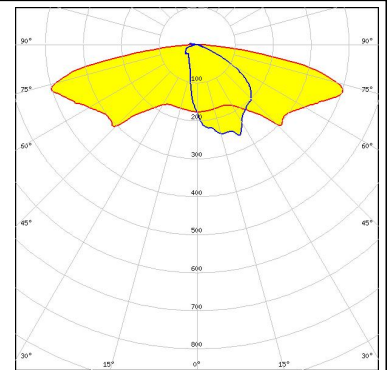
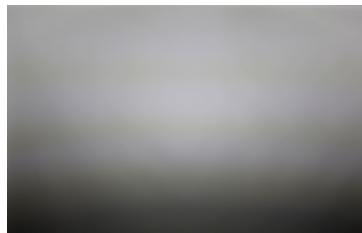
Component	Type	Material	Colour
STRADA-2X2-SCL	Multi-lens	PMMA	clear



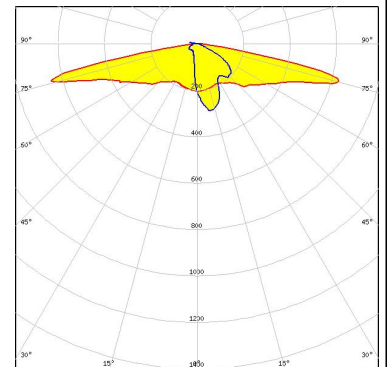
PHOTOMETRIC DATA (MEASURED):



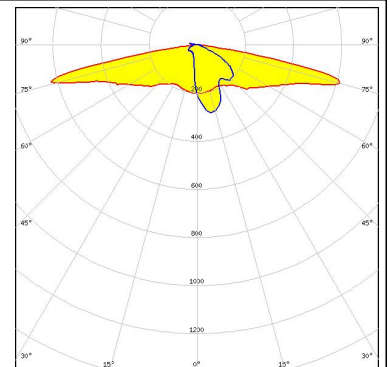
LED Bridgelux SMD 5050
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.630 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



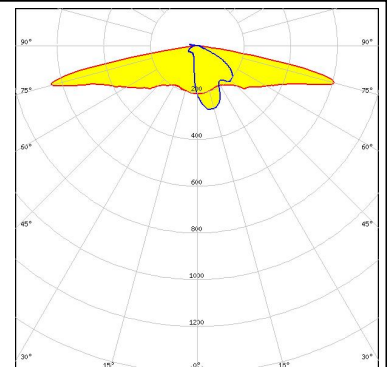
LED QUICK FLUX XTP 2x4 xxx LS G5
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 1.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED QUICK FLUX XTP 2x6 xxx LS G5
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 1.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



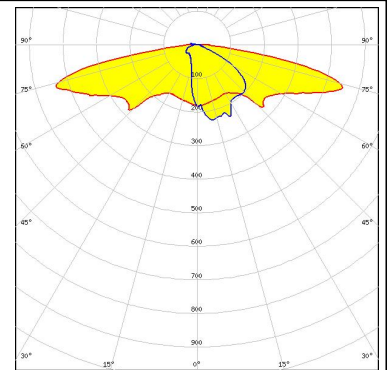
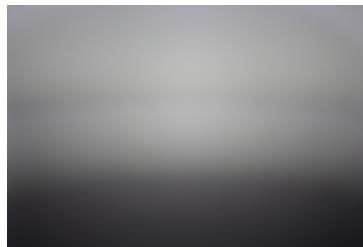
LED QUICK FLUX XTP 2x8 xxx LS G5
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 1.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



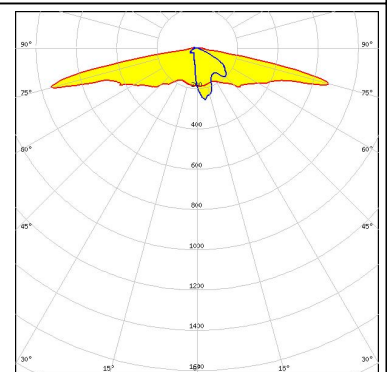
PHOTOMETRIC DATA (MEASURED):



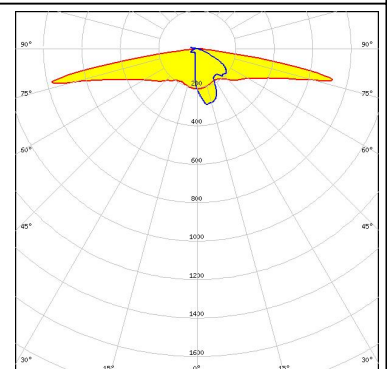
LED XD16
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.750 cd/lm
LEDs/each optic 4
Light colour White
Required components:



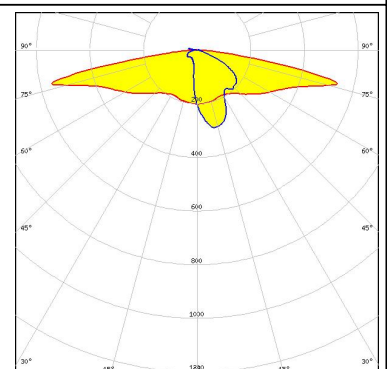
LED XD16
FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-G2
FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.200 cd/lm
LEDs/each optic 1
Light colour White
Required components:



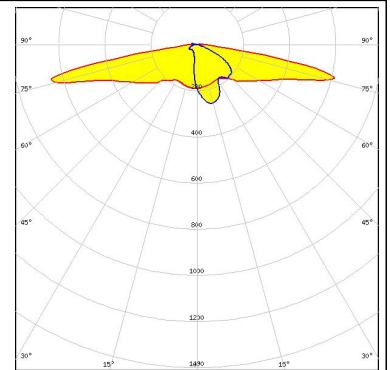
LED XP-G2 HE
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.952 cd/lm
LEDs/each optic 1
Light colour White
Required components:



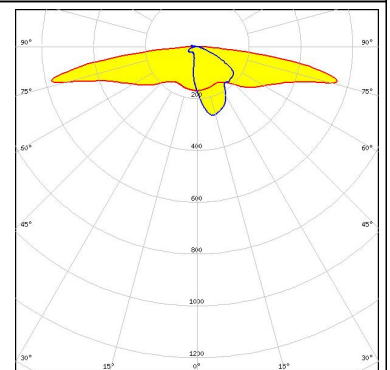
PHOTOMETRIC DATA (MEASURED):



LED XP-G3
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.970 cd/lm
LEDs/each optic 1
Light colour White
Required components:

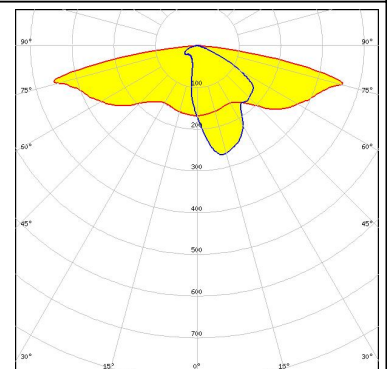


LED XP-L HD
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:

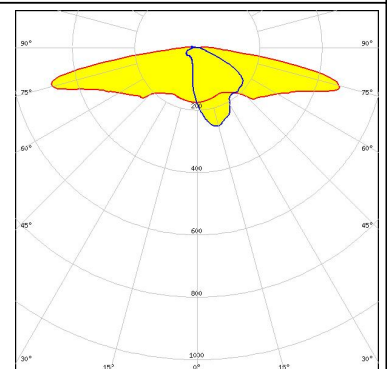


LED XP-L HD
FWHM Asymmetric
Efficiency 78 %
Peak intensity 0.550 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Transparent protective cover



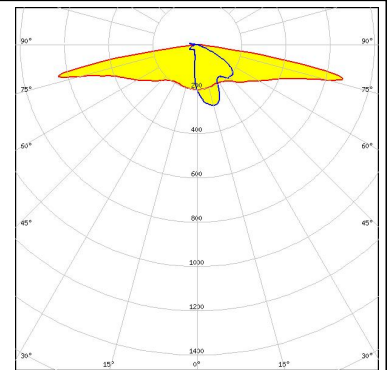
LED XP-L2
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.750 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

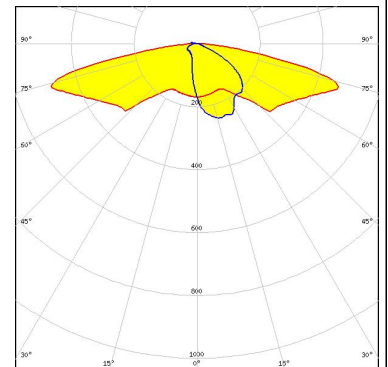
LG Innotech

LED H35C1 (LEMWA33)
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 1.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

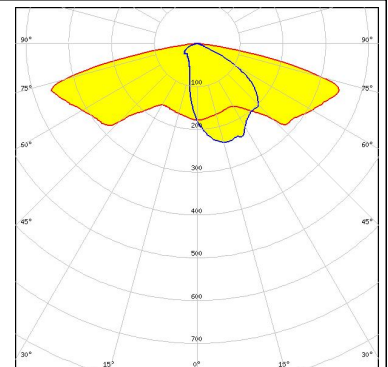
LED LUXEON 5050 Round LES
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.660 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

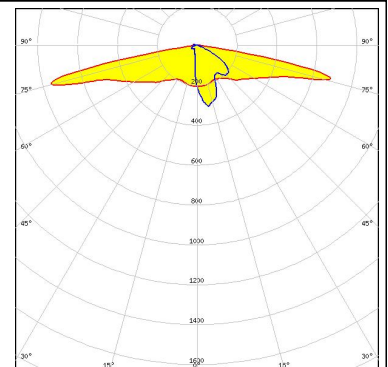
LED LUXEON 5050 Round LES
 FWHM Asymmetric
 Efficiency 83 %
 Peak intensity 0.520 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Transparent protective cover



LUMILEDS

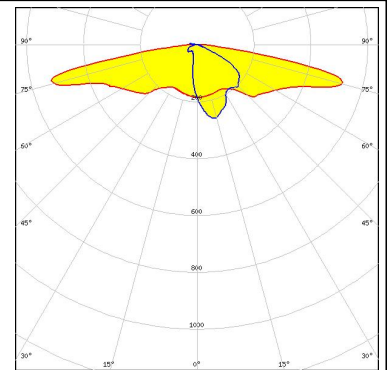
LED LUXEON TX
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 1.040 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



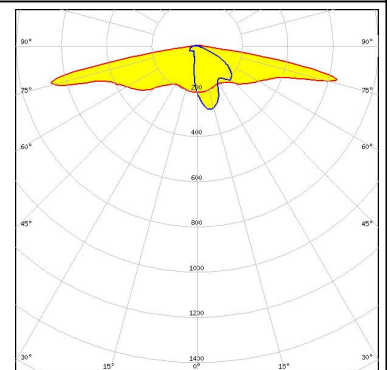
PHOTOMETRIC DATA (MEASURED):



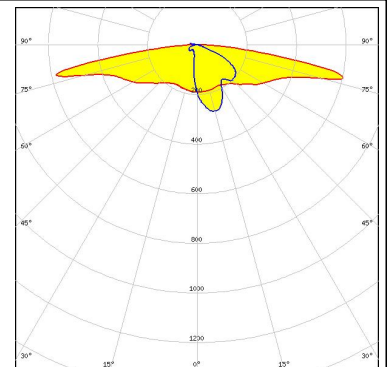
LED LUXEON V
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.800 cd/lm
LEDs/each optic 1
Light colour White
Required components:



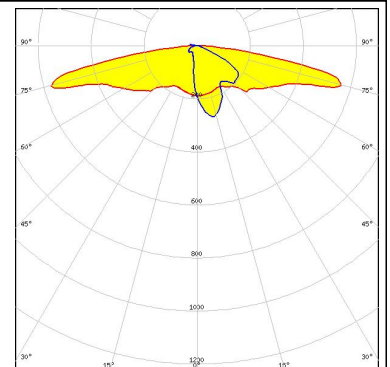
LED LUXEON V2
FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSW319B
FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:



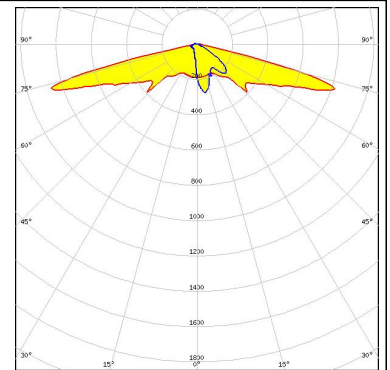
LED NVSW3x9A
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.930 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

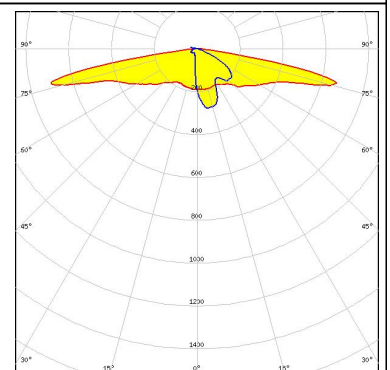


LED NVSxE21A
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.380 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

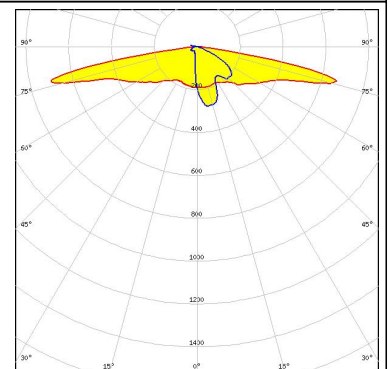
LED PrevaLED Brick HP 2x8
FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

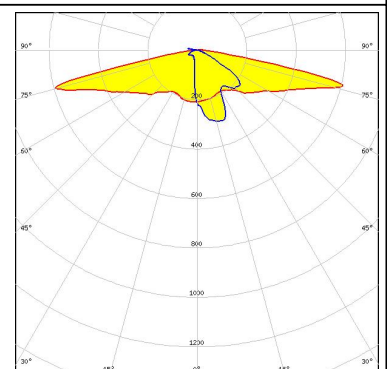
LED OSLOM Square CSSRM2/CSSRM3
FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

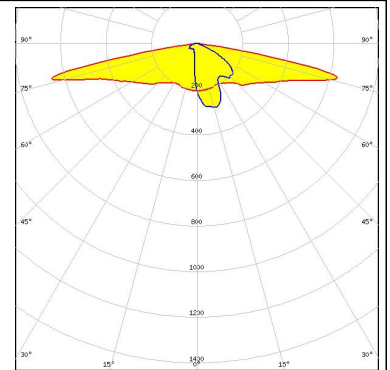
LED OSLOM Square PC
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

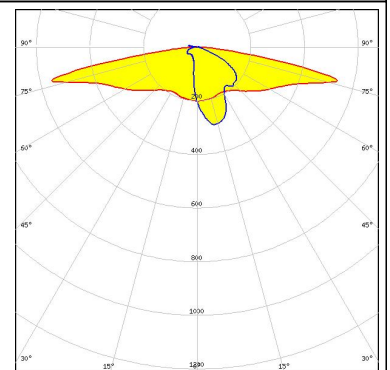
PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4
FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:



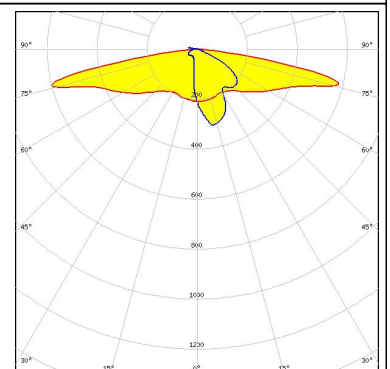
PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4+
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.952 cd/lm
LEDs/each optic 1
Light colour White
Required components:



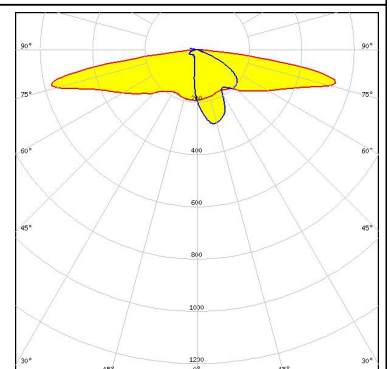
SAMSUNG

LED HiLOM RH16 (LH351C)
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

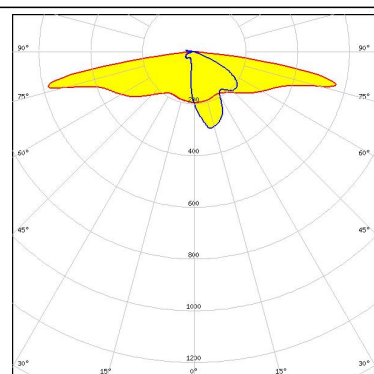
LED LH351B
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.860 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

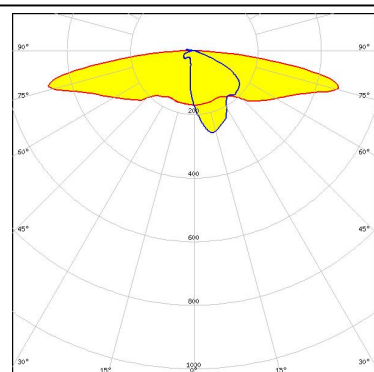
SAMSUNG

LED LH351C
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:



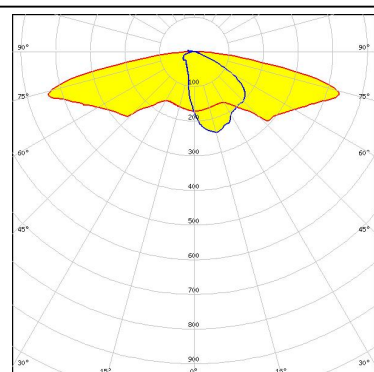
SAMSUNG

LED LH351D
FWHM Asymmetric
Efficiency 93 %
Peak intensity 0.740 cd/lm
LEDs/each optic 1
Light colour White
Required components:



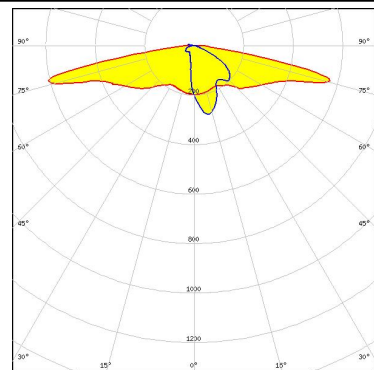
SAMSUNG

LED LH508A
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

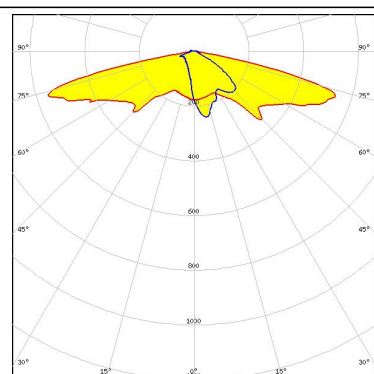
LED Z5M3
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.970 cd/lm
LEDs/each optic 1
Light colour White
Required components:



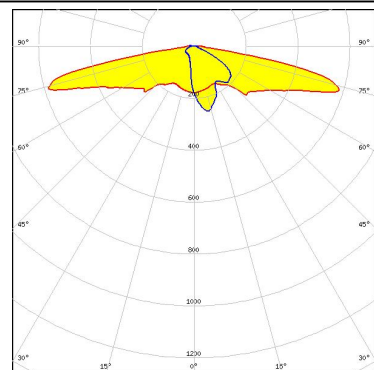
PHOTOMETRIC DATA (MEASURED):



LED Z8Y22
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.870 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED Z8Y22P
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.960 cd/lm
LEDs/each optic 1
Light colour White
Required components:

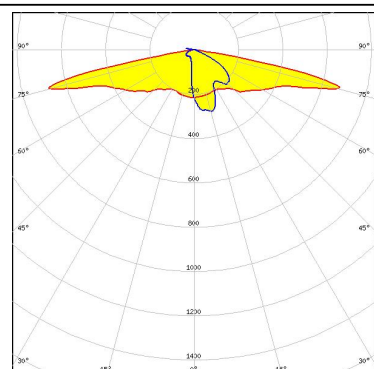


TRIDONIC

LED RLE 2x4 2000lm HP EXC2 OTD
FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:

TRIDONIC

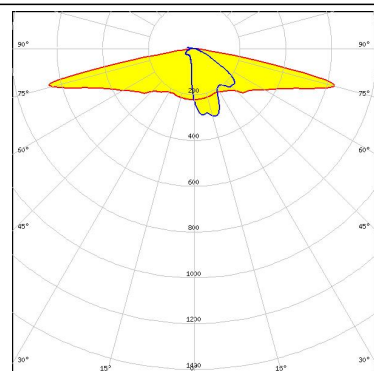
LED RLE 2x8 4000lm HP EXC2 OTD
FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

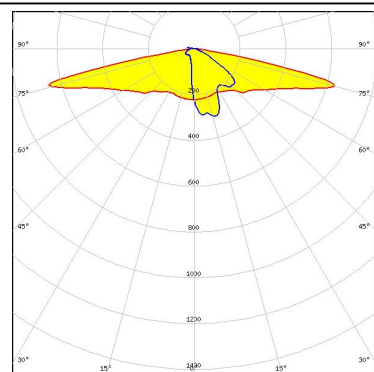
TRIDONIC

LED RLE G1 49x121mm 2000lm xxx EXC OTD
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:



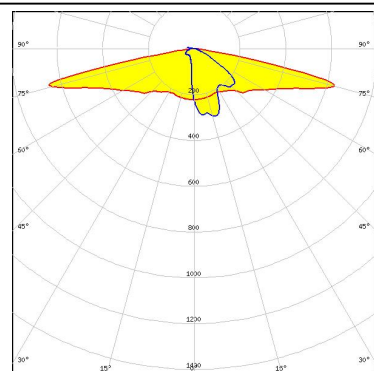
TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:



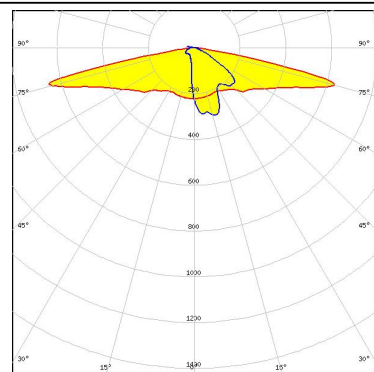
TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:



TRIDONIC

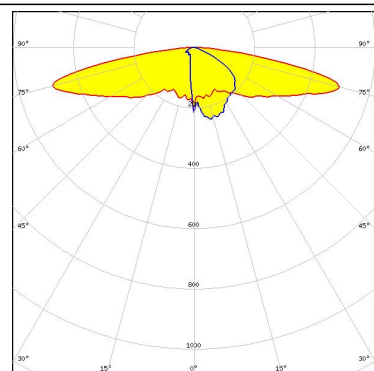
LED RLE G1 49x245mm 4000lm xxx EXC OTD
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:



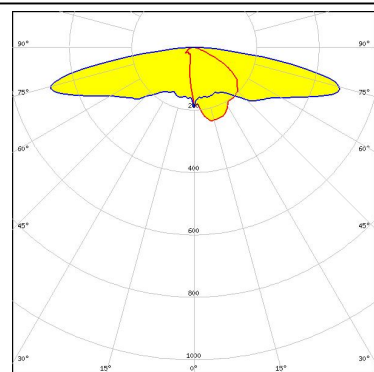
PHOTOMETRIC DATA (SIMULATED):



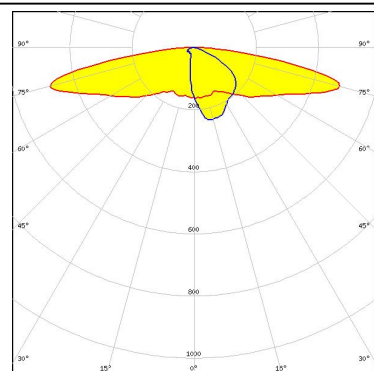
LED J Series 5050
 FWHM Asymmetric
 Efficiency 92 %
 Peak intensity 0.688 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



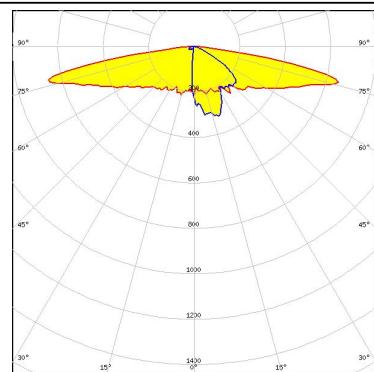
LED J Series 5050
 FWHM Asymmetric
 Efficiency 92 %
 Peak intensity 0.660 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED J Series 5050
 FWHM Asymmetric
 Efficiency 90 %
 Peak intensity 0.660 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



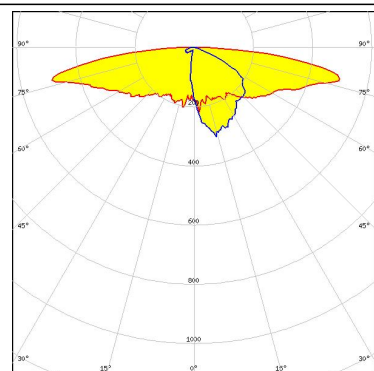
LED XB-H
 FWHM Asymmetric
 Efficiency %
 Peak intensity cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



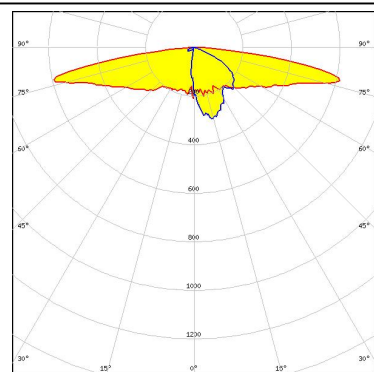
PHOTOMETRIC DATA (SIMULATED):



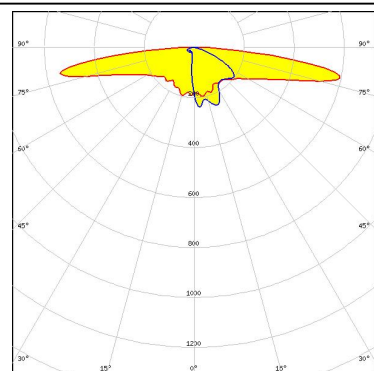
LED XHP35 HD
FWHM Asymmetric
Efficiency %
Peak intensity cd/lm
LEDs/each optic 1
Light colour White
Required components:



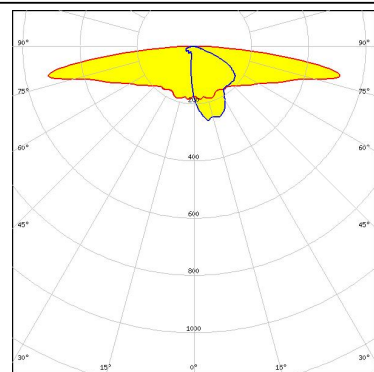
LED XM-L2
FWHM Asymmetric
Efficiency %
Peak intensity cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-E2
FWHM Asymmetric
Efficiency 91 %
Peak intensity 0.660 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-G2 HE
FWHM Asymmetric
Efficiency 90 %
Peak intensity 0.718 cd/lm
LEDs/each optic 1
Light colour White
Required components:

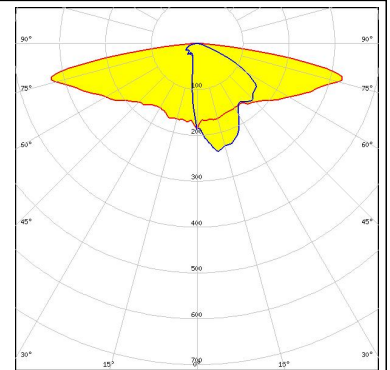


PHOTOMETRIC DATA (SIMULATED):



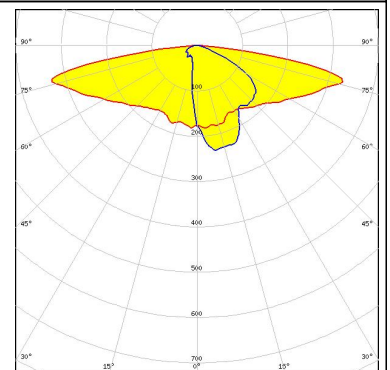
LED XP-G3
FWHM Asymmetric
Efficiency 70 %
Peak intensity 0.435 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Transparent protective cover

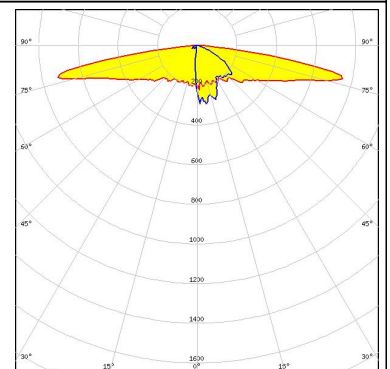


LED XP-G3
FWHM Asymmetric
Efficiency 72 %
Peak intensity 0.439 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Transparent protective cover

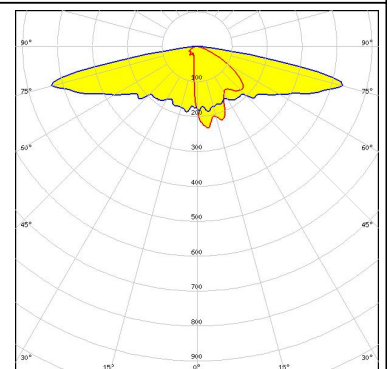


LED XP-L HI
FWHM Asymmetric
Efficiency %
Peak intensity cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XT-E
FWHM Asymmetric
Efficiency 73 %
Peak intensity 0.536 cd/lm
LEDs/each optic 1
Light colour White
Required components:

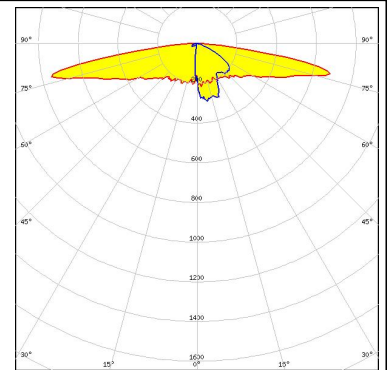
Transparent protective cover



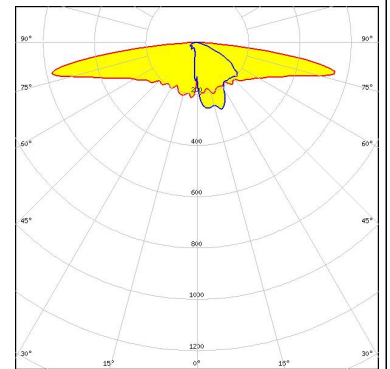
PHOTOMETRIC DATA (SIMULATED):



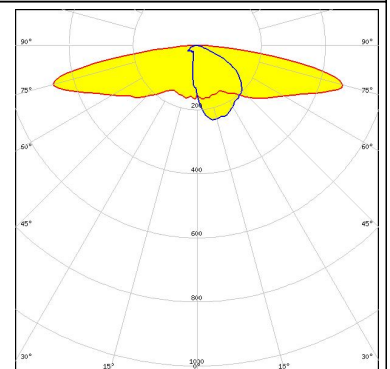
LED XT-E
FWHM Asymmetric
Efficiency %
Peak intensity cd/lm
LEDs/each optic 1
Light colour White
Required components:



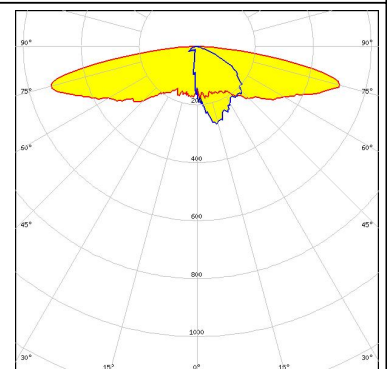
LED H35C1 (LEMWA33)
FWHM Asymmetric
Efficiency 91 %
Peak intensity 0.740 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON 5050 Square LES
FWHM Asymmetric
Efficiency 92 %
Peak intensity 0.635 cd/lm
LEDs/each optic 1
Light colour White
Required components:



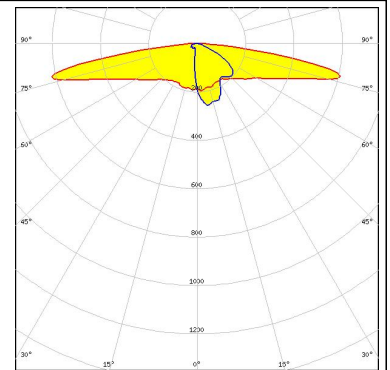
LED LUXEON 5258
FWHM Asymmetric
Efficiency %
Peak intensity cd/lm
LEDs/each optic 1
Light colour White
Required components:



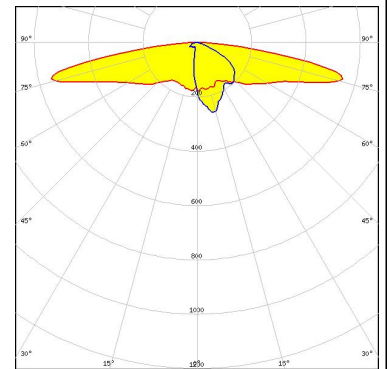
PHOTOMETRIC DATA (SIMULATED):



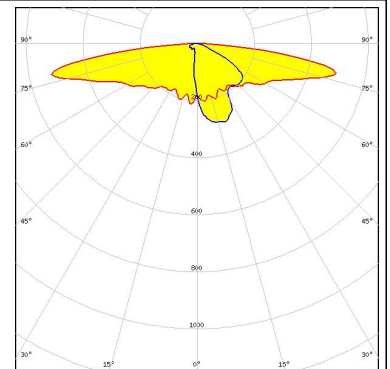
LED LUXEON V2
FWHM Asymmetric
Efficiency 91 %
Peak intensity 0.750 cd/lm
LEDs/each optic 1
Light colour White
Required components:



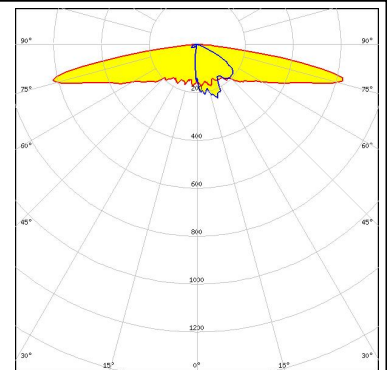
LED NV4WB35AM
FWHM Asymmetric
Efficiency 92 %
Peak intensity 0.769 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSW219D
FWHM Asymmetric
Efficiency 91 %
Peak intensity 0.660 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSxx19B/NVSxx19C
FWHM Asymmetric
Efficiency 87 %
Peak intensity 0.830 cd/lm
LEDs/each optic 1
Light colour White
Required components:

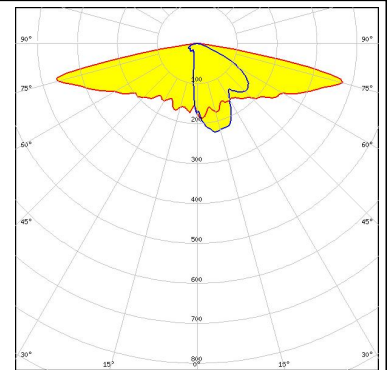


PHOTOMETRIC DATA (SIMULATED):



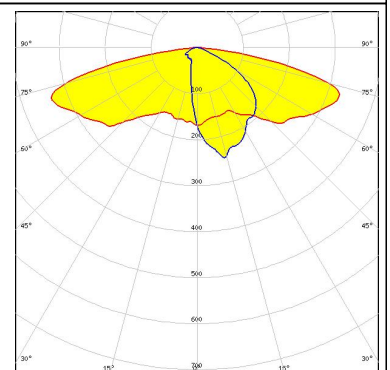
LED NVSxx19B/NVSxx19C
 FWHM Asymmetric
 Efficiency 69 %
 Peak intensity 0.510 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Transparent protective cover

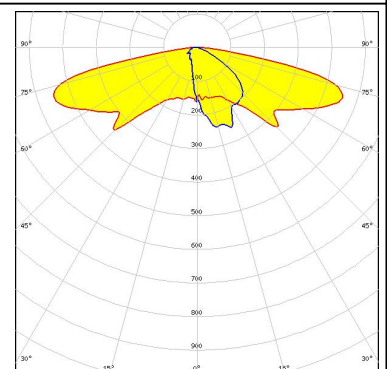


LED Duris S8
 FWHM Asymmetric
 Efficiency 76 %
 Peak intensity 0.440 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

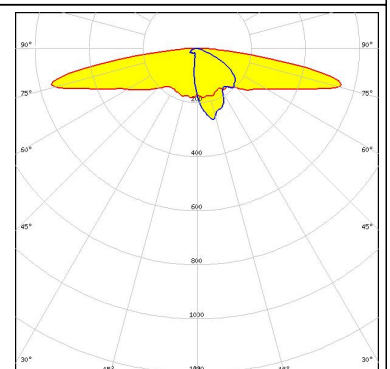
Transparent protective cover



LED Duris S8
 FWHM Asymmetric
 Efficiency 92 %
 Peak intensity 0.620 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED OSCONIQ P 3737 (3W version)
 FWHM Asymmetric
 Efficiency 91 %
 Peak intensity 0.710 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



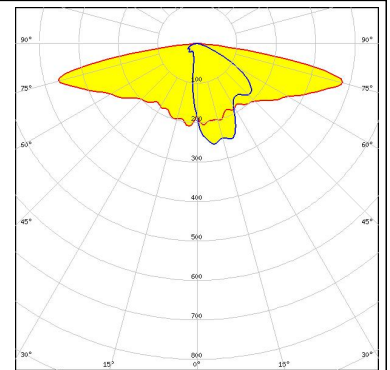
PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

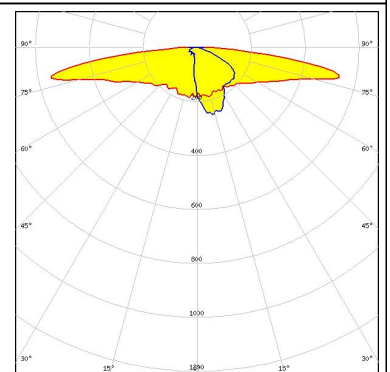
LED OSLON Square CSSRM2/CSSRM3
FWHM Asymmetric
Efficiency 74 %
Peak intensity 0.470 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Transparent protective cover



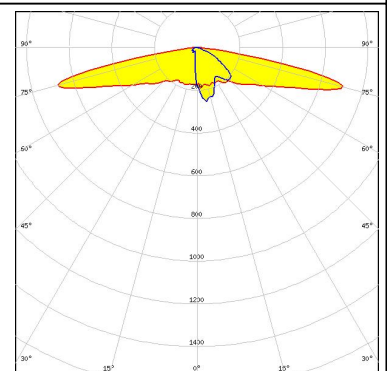
PHILIPS

LED Fortimo FastFlex LED 2x8 DAX G4
FWHM Asymmetric
Efficiency 90 %
Peak intensity 0.760 cd/lm
LEDs/each optic 1
Light colour White
Required components:



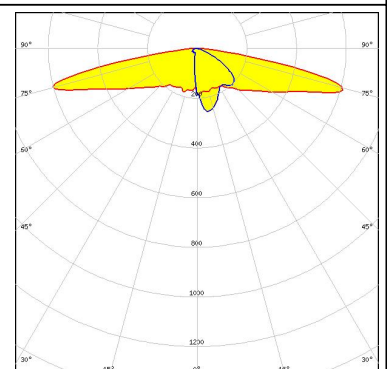
SAMSUNG

LED LH181B
FWHM Asymmetric
Efficiency 92 %
Peak intensity 0.830 cd/lm
LEDs/each optic 1
Light colour White
Required components:

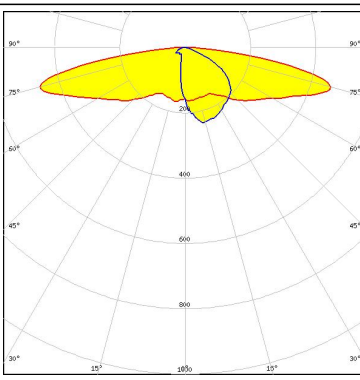
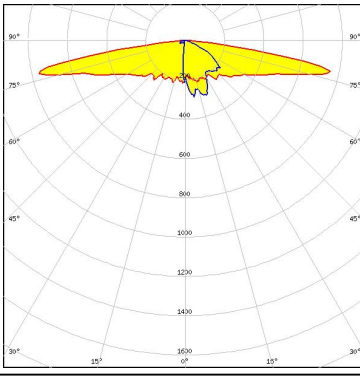
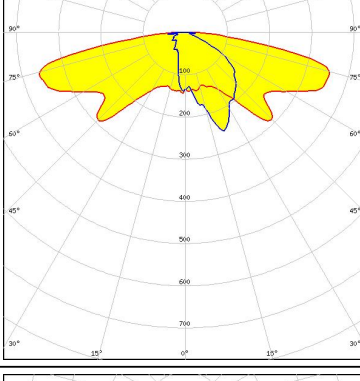
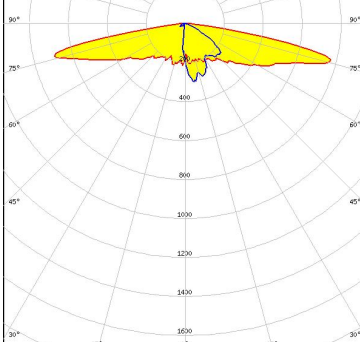


SAMSUNG

LED LH231B
FWHM Asymmetric
Efficiency 90 %
Peak intensity 0.750 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

SEOUL SEOUL SEMICONDUCTOR LED: SEOUL DC 5050 6V FWHM: Asymmetric Efficiency: 92 % Peak intensity: 0.626 cd/lm LEDs/each optic: 1 Light colour: White Required components:	
SEOUL SEOUL SEMICONDUCTOR LED: Z5M1/Z5M2 FWHM: Asymmetric Efficiency: % Peak intensity: cd/lm LEDs/each optic: 1 Light colour: White Required components:	
SEOUL SEOUL SEMICONDUCTOR LED: Z8Y19 FWHM: Asymmetric Efficiency: 91 % Peak intensity: 0.540 cd/lm LEDs/each optic: 4 Light colour: White Required components:	
TOSHIBA Leading Innovation LED: TL1L4 FWHM: Asymmetric Efficiency: % Peak intensity: cd/lm LEDs/each optic: 1 Light colour: White Required components:	

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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