


STRADA-2X2-DWC

Universal road lighting beam with excellent mixed illuminance and luminance uniformity. Typically IESNA Type III Medium.

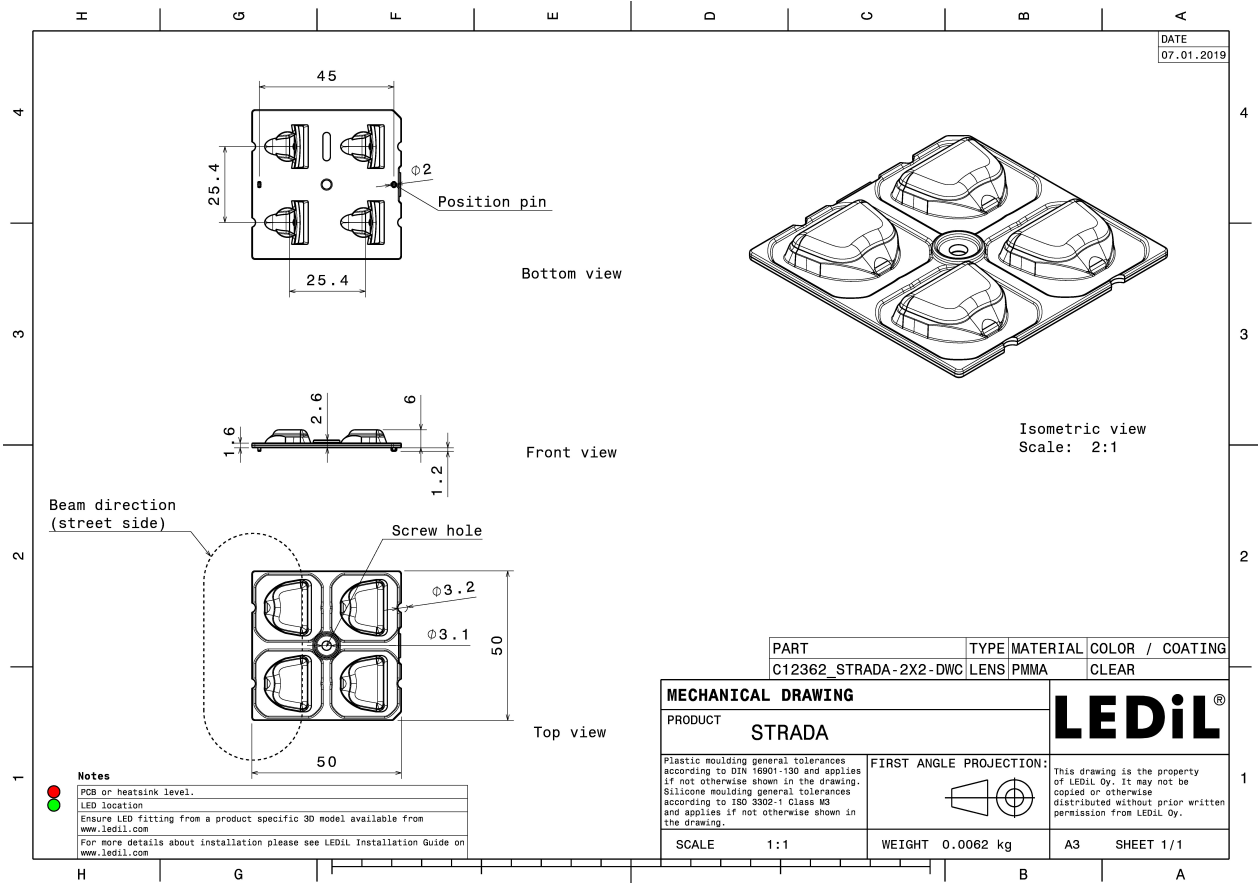
TECHNICAL SPECIFICATIONS:

| | |
|-----------------|---|
| Dimensions | 50.0 mm |
| Height | 6 mm |
| Fastening | glue, pin, screw |
| Colour | clear |
| Box size | 480 x 280 x 300 mm |
| Box weight | 5.8 kg |
| Quantity in Box | 800 pcs |
| ROHS compliant | yes  |


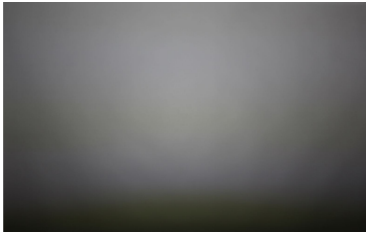
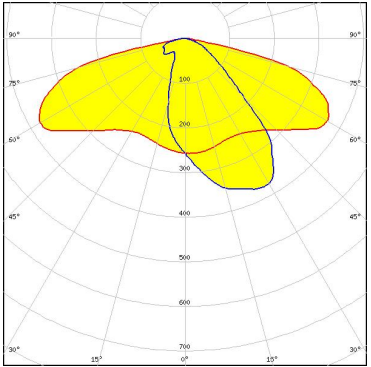

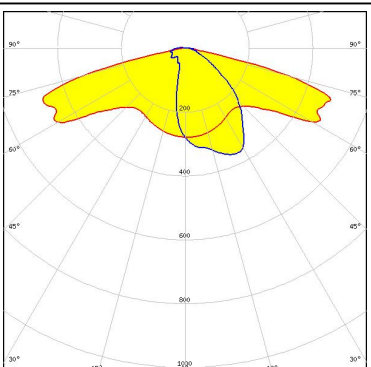

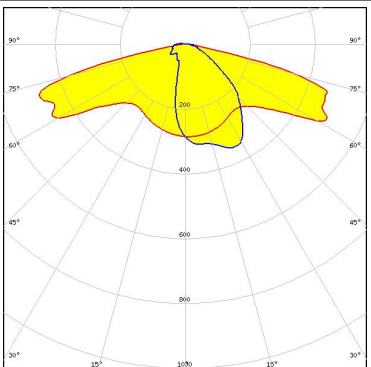

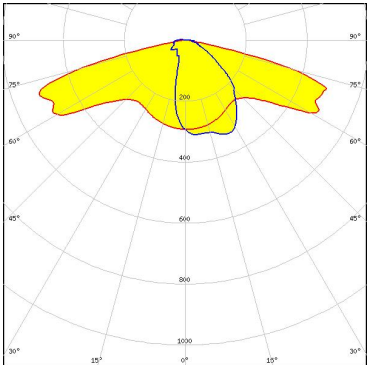


MATERIAL SPECIFICATIONS:

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



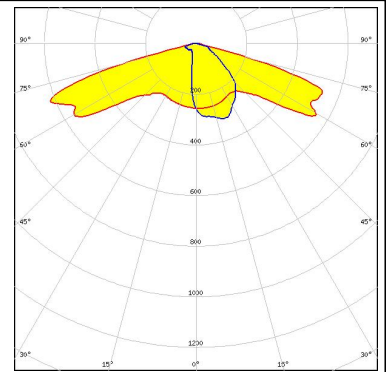
PHOTOMETRIC DATA (MEASURED):

| | | |
|--|--|---|
| <p> bridgelux</p> <p>LED Bridgelux SMD 5050 FWHM Asymmetric Efficiency 94 % Peak intensity 0.460 cd/m LEDs/each optic 1 Light colour White Required components:</p> |  |  |
| <p> COMET ELECTRONICS</p> <p>LED QUICK FLUX XTP 2x4 xxx LS G5 FWHM Asymmetric Efficiency 94 % Peak intensity 0.600 cd/m LEDs/each optic 1 Light colour White Required components:</p> | |  |
| <p> COMET ELECTRONICS</p> <p>LED QUICK FLUX XTP 2x6 xxx LS G5 FWHM Asymmetric Efficiency 94 % Peak intensity 0.580 cd/m LEDs/each optic 1 Light colour White Required components:</p> | |  |
| <p> COMET ELECTRONICS</p> <p>LED QUICK FLUX XTP 2x8 xxx LS G5 FWHM Asymmetric Efficiency 94 % Peak intensity 0.590 cd/m LEDs/each optic 1 Light colour White Required components:</p> | |  |

PHOTOMETRIC DATA (MEASURED):

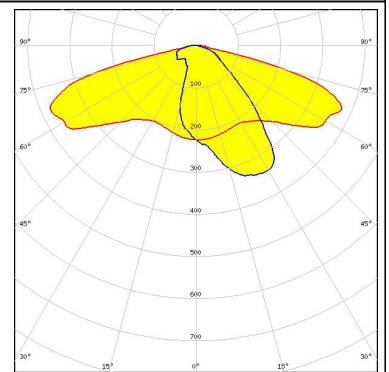
CREE

LED XD16
 FWHM Asymmetric
 Efficiency 93 %
 Peak intensity 0.760 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



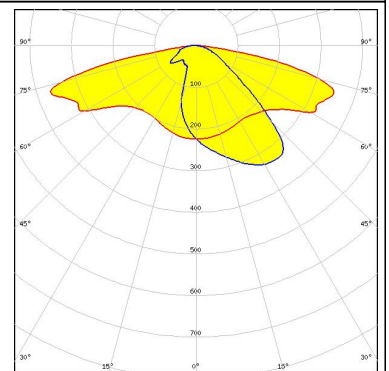
CREE

LED XD16
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.470 cd/lm
 LEDs/each optic 4
 Light colour White
 Required components:



CREE

LED XHP35 HD
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.440 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



CREE

LED XM-L
 FWHM Asymmetric
 Efficiency 92 %
 Peak intensity 0.410 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

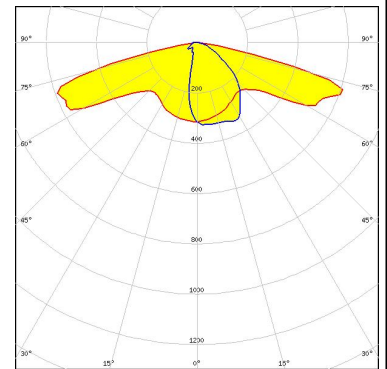
PHOTOMETRIC DATA (MEASURED):

CREE

LED XP-G
FWHM Asymmetric
Efficiency 93 %
Peak intensity 0.470 cd/lm
LEDs/each optic 1
Light colour White
Required components:

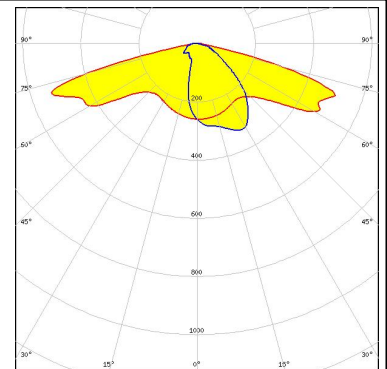
CREE

LED XP-G2
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



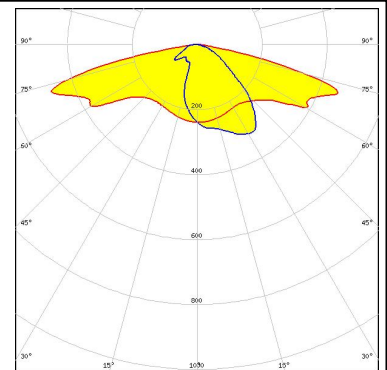
CREE

LED XP-G3
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE

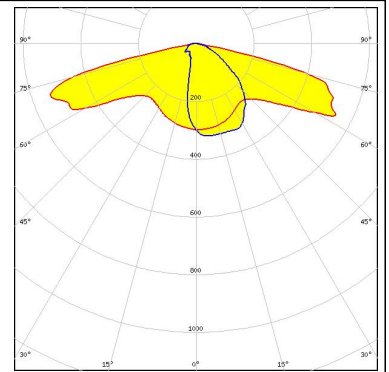
LED XP-L HD
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.510 cd/lm
LEDs/each optic 1
Light colour White
Required components:



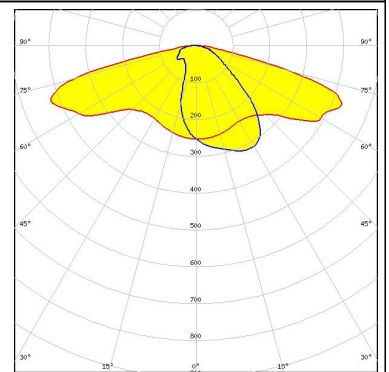
PHOTOMETRIC DATA (MEASURED):



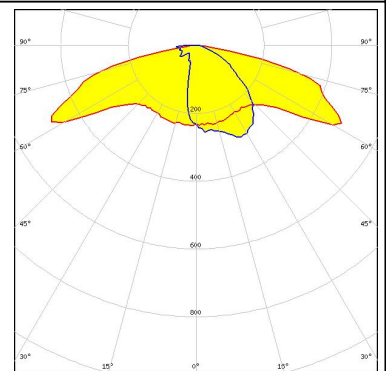
LED XP-L HI
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.610 cd/lm
LEDs/each optic 1
Light colour White
Required components:



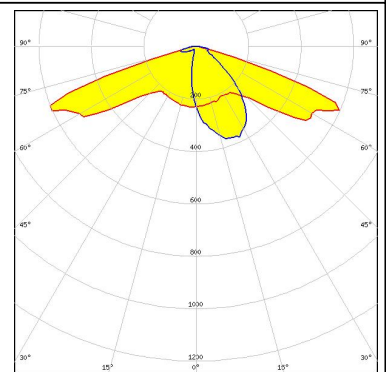
LED XP-L2
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.480 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XT-E
FWHM Asymmetric
Efficiency 93 %
Peak intensity 0.490 cd/lm
LEDs/each optic 1
Light colour White
Required components:



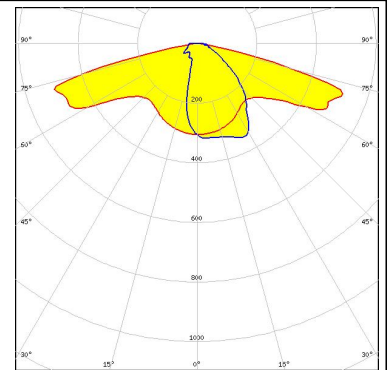
LED XT-E HVW
FWHM Asymmetric
Efficiency %
Peak intensity cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

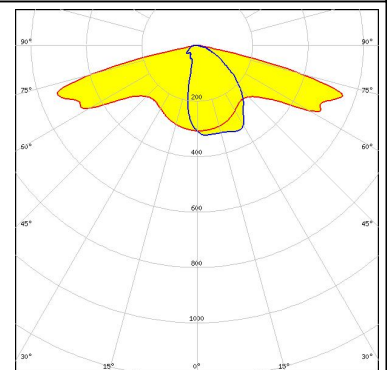
LG Innotek

LED H35C0 (LEMWA33)
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.500 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



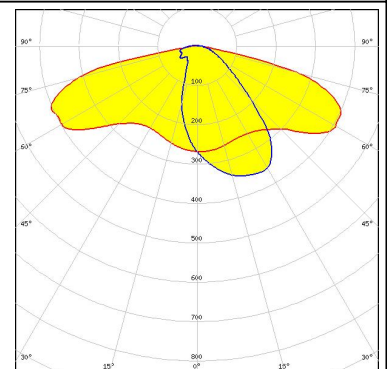
LG Innotek

LED H35C1 (LEMWA33)
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.670 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



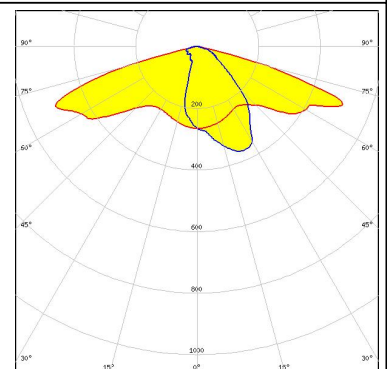
LUMILEDS

LED LUXEON 5050 Round LES
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.460 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

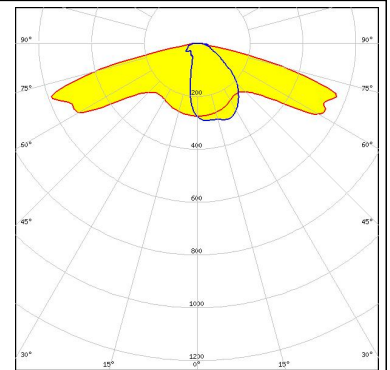
LED LUXEON MZ
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.600 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

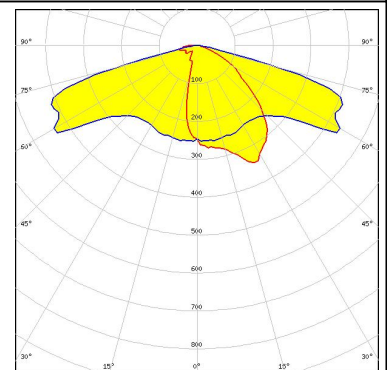
LUMILEDS

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



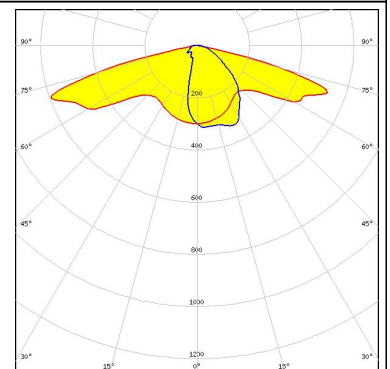
LUMILEDS

LED LUXEON Rebel ES
 FWHM Asymmetric
 Efficiency 93 %
 Peak intensity 0.410 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



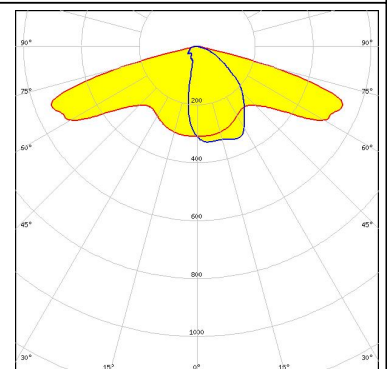
LUMILEDS

LED LUXEON T
 FWHM Asymmetric
 Efficiency 93 %
 Peak intensity 0.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

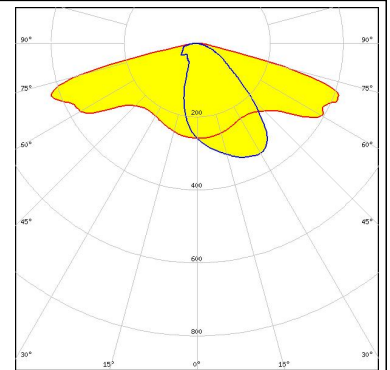
LED LUXEON TX
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.670 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

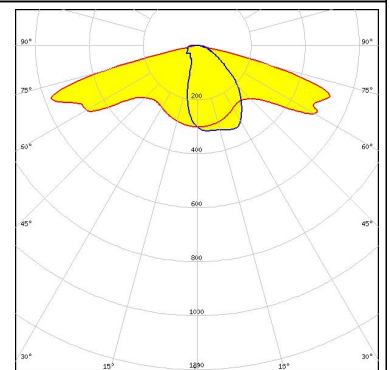
LUMILEDS

LED LUXEON V
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.490 cd/lm
LEDs/each optic 1
Light colour White
Required components:



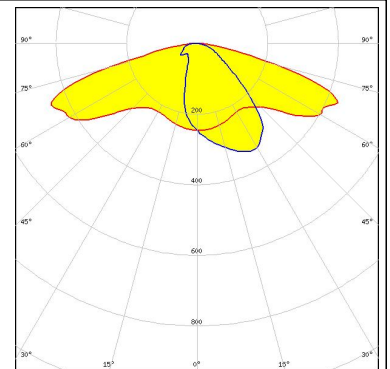
LUMILEDS

LED LUXEON V2
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.640 cd/lm
LEDs/each optic 1
Light colour White
Required components:



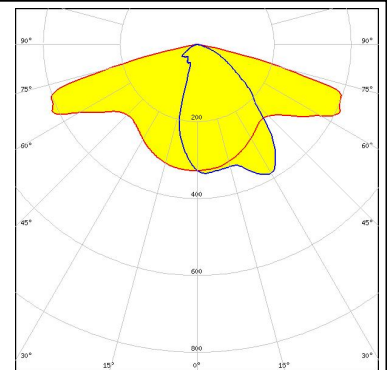
NICHIA

LED NS9x383
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.490 cd/lm
LEDs/each optic 1
Light colour White
Required components:



NICHIA

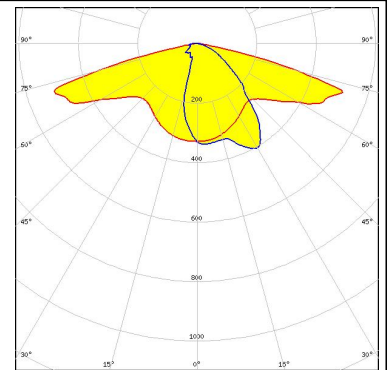
LED NVSW219D
FWHM Asymmetric
Efficiency 86 %
Peak intensity 0.467 cd/lm
LEDs/each optic 1
Light colour White
Required components:



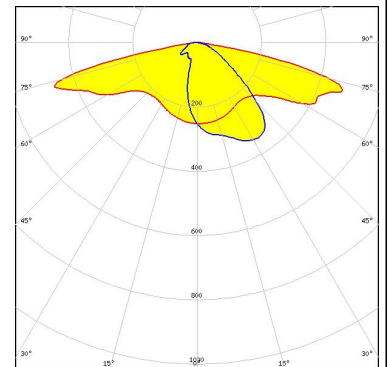
PHOTOMETRIC DATA (MEASURED):



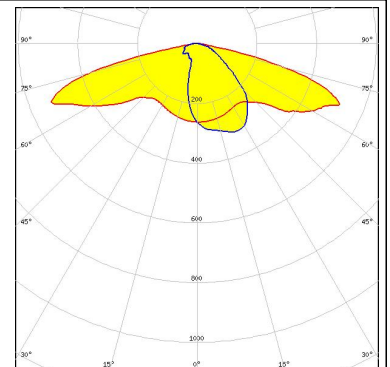
LED NVSW219D
FWHM Asymmetric
Efficiency 96 %
Peak intensity 0.602 cd/lm
LEDs/each optic 1
Light colour White
Required components:



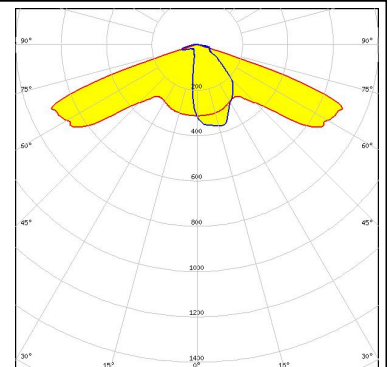
LED NVSW319B
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSW3x9A
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.590 cd/lm
LEDs/each optic 1
Light colour White
Required components:



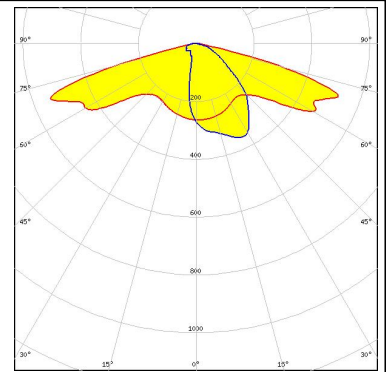
LED NVSxE21A
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.870 cd/lm
LEDs/each optic 1
Light colour White
Required components:



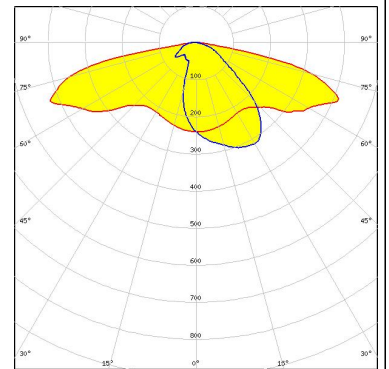
PHOTOMETRIC DATA (MEASURED):



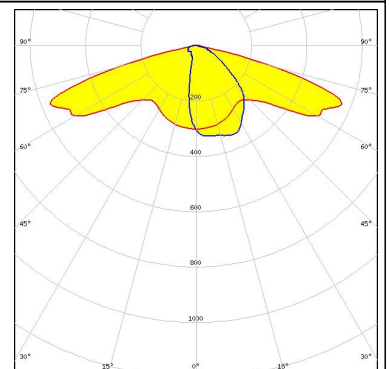
LED NVSxx19B/NVSxx19C
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.650 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



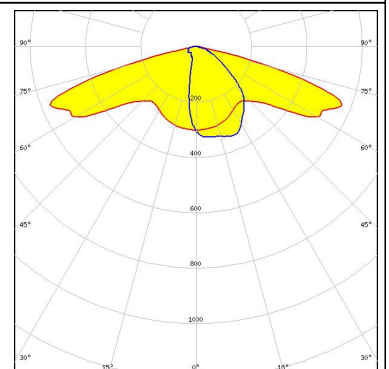
LED NWSx229A
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.480 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED PrevaLED Brick HP 2x8
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.670 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED OSLOM Square CSSRM2/CSSRM3
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.670 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



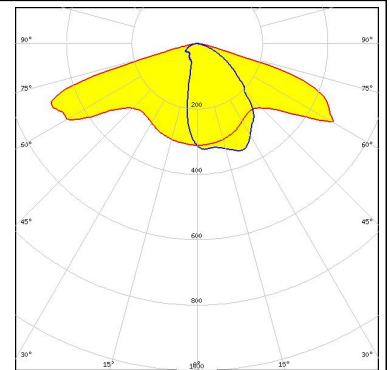
PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

LED OSLON Square PC
 FWHM Asymmetric
 Efficiency 85 %
 Peak intensity 0.530 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

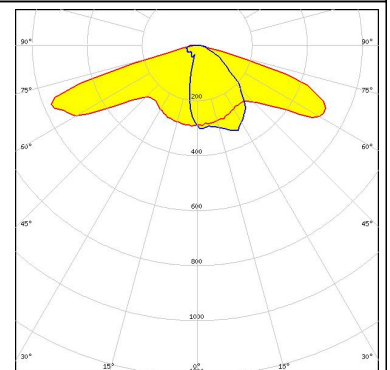
Transparent protective cover



OSRAM

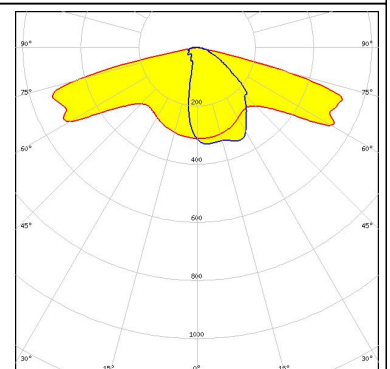
Opto Semiconductors

LED OSLON Square PC
 FWHM Asymmetric
 Efficiency 92 %
 Peak intensity 0.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



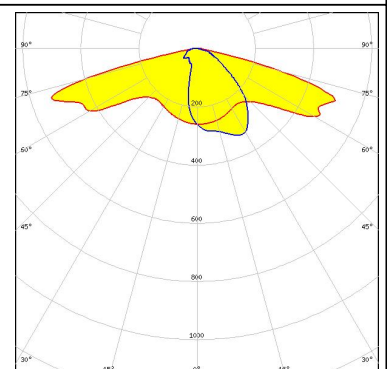
PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.640 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHILIPS

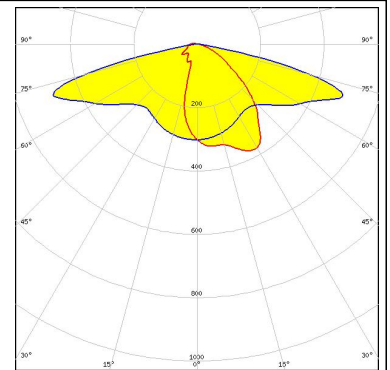
LED Fortimo FastFlex LED 2x8 DAX G4
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

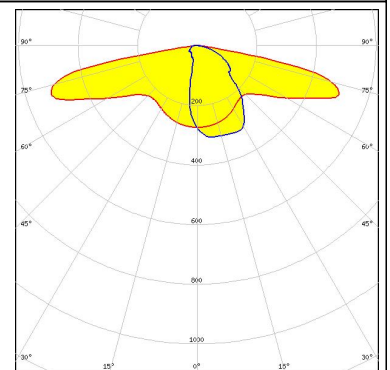
SAMSUNG

LED HiLOM RH16 (LH351C)
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.580 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



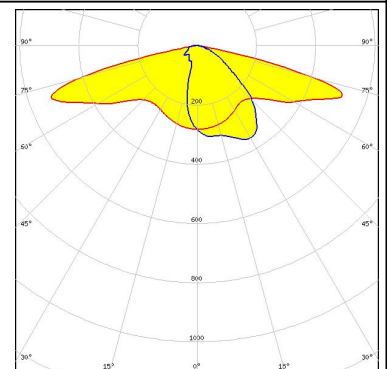
SAMSUNG

LED LH351B
 FWHM Asymmetric
 Efficiency 89 %
 Peak intensity 0.620 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



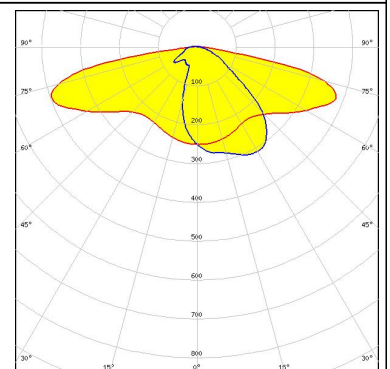
SAMSUNG

LED LH351C
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

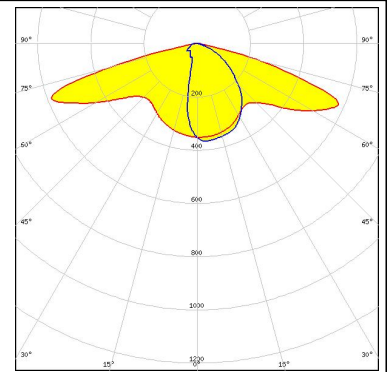
LED LH351D
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.450 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

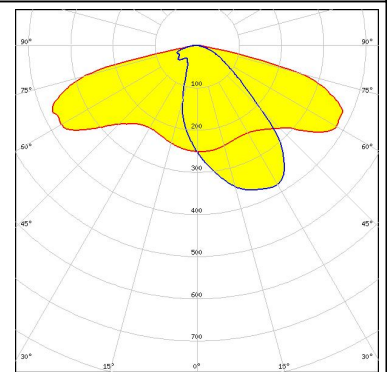
SAMSUNG

LED LH351Z
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.650 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



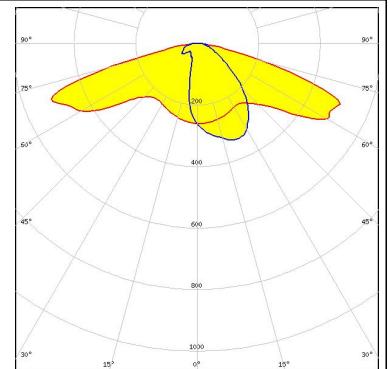
SAMSUNG

LED LH508A
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.480 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEOUL SEMICONDUCTOR


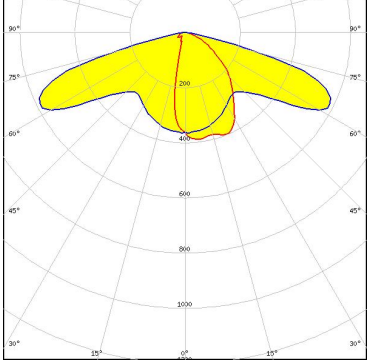

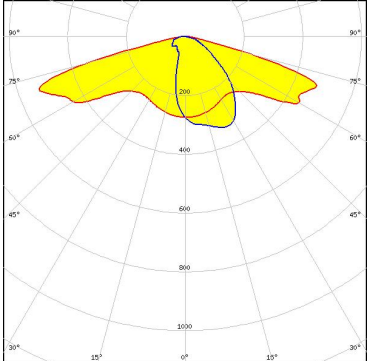

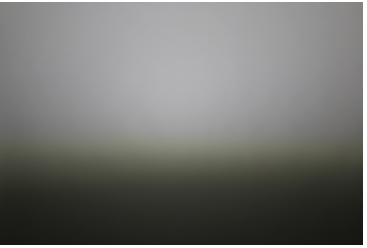
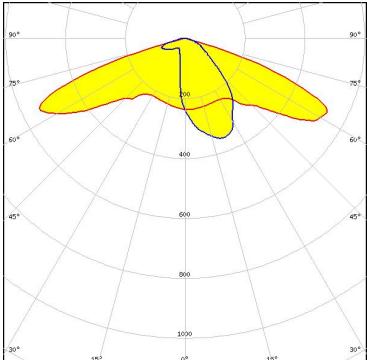

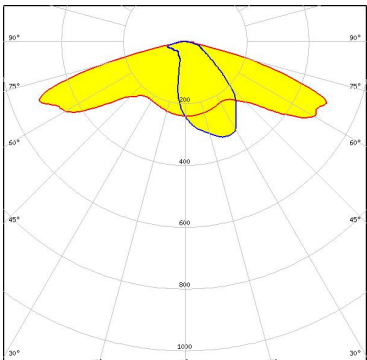
LED Acrich MJT 4040
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEOUL SEMICONDUCTOR

LED Z5
 FWHM Asymmetric
 Efficiency 93 %
 Peak intensity cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

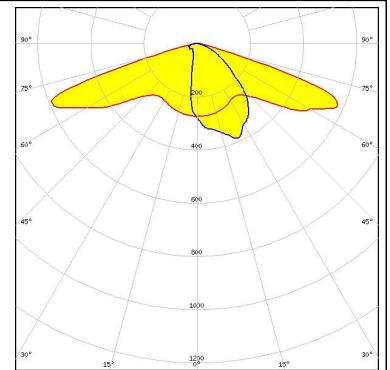
PHOTOMETRIC DATA (MEASURED):

| | | |
|---|--|---|
| <p> SEUL SEMICONDUCTOR</p> <p>LED Z5M1/Z5M2 FWHM Asymmetric Efficiency 94 % Peak intensity 0.700 cd/lm LEDs/each optic 1 Light colour White Required components:</p> | |  |
| <p> SEUL SEMICONDUCTOR</p> <p>LED Z5M3 FWHM Asymmetric Efficiency 94 % Peak intensity 0.600 cd/lm LEDs/each optic 1 Light colour White Required components:</p> | |  |
| <p> SEUL SEMICONDUCTOR</p> <p>LED Z8Y22 FWHM Asymmetric Efficiency 94 % Peak intensity 0.680 cd/lm LEDs/each optic 1 Light colour White Required components:</p> |  |  |
| <p> SEUL SEMICONDUCTOR</p> <p>LED Z8Y22P FWHM Asymmetric Efficiency 94 % Peak intensity 0.600 cd/lm LEDs/each optic 1 Light colour White Required components:</p> | |  |

PHOTOMETRIC DATA (MEASURED):

TOSHIBA Leading Innovation >>>

LED TL1L4
FWHM Asymmetric
Efficiency 93 %
Peak intensity 0.720 cd/lm
LEDs/each optic 1
Light colour White
Required components:

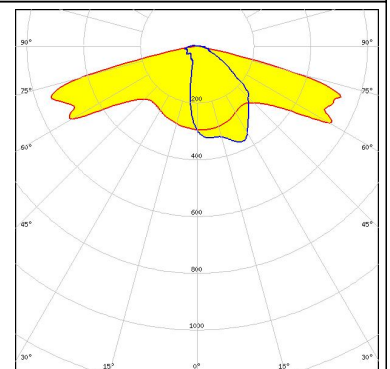


TRIDONIC

LED RLE 2x4 2000lm HP EXC2 OTD
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:

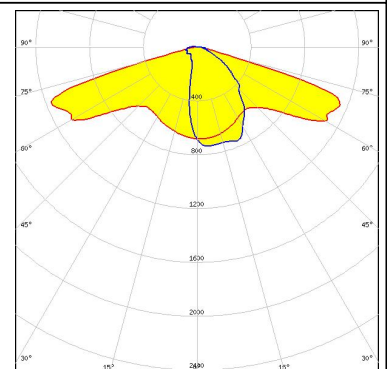
TRIDONIC

LED RLE 2x8 4000lm HP EXC2 OTD
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



TRIDONIC

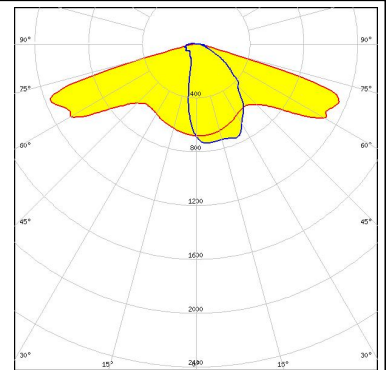
LED RLE G1 49x121mm 2000lm xxx EXC OTD
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

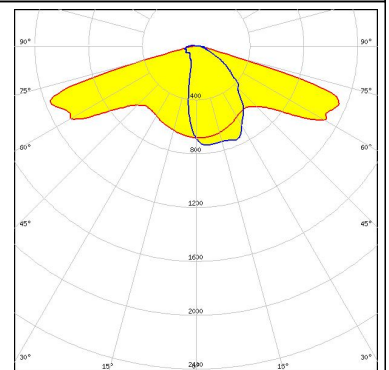
TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



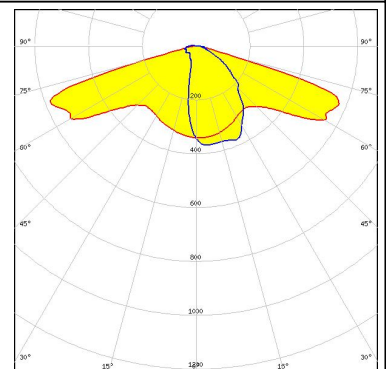
TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



TRIDONIC

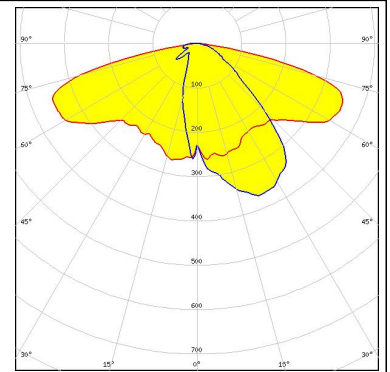
LED RLE G1 49x245mm 4000lm xxx EXC OTD
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



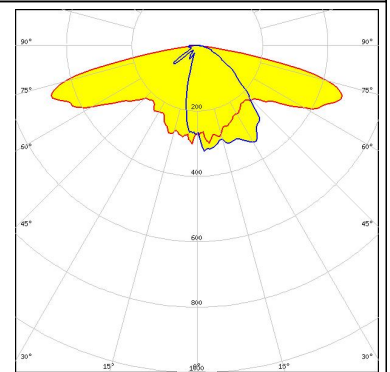
PHOTOMETRIC DATA (SIMULATED):



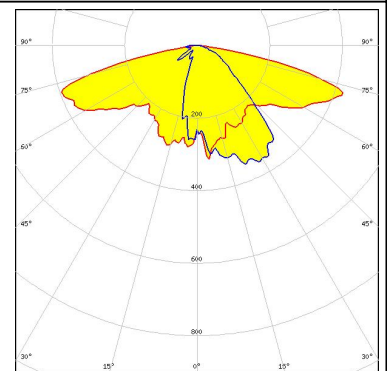
LED J Series 5050
 FWHM Asymmetric
 Efficiency 91 %
 Peak intensity 0.420 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



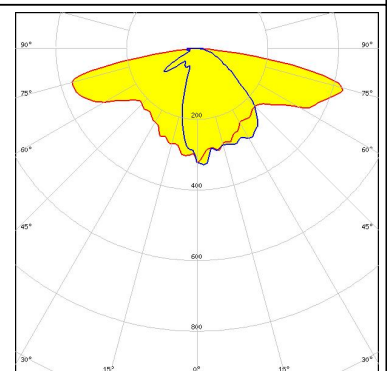
LED XHP35 HI
 FWHM Asymmetric
 Efficiency 89 %
 Peak intensity 0.520 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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



LED XP-G2 HE
 FWHM Asymmetric
 Efficiency 92 %
 Peak intensity 0.470 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

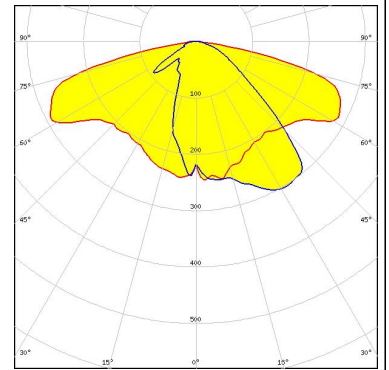


PHOTOMETRIC DATA (SIMULATED):

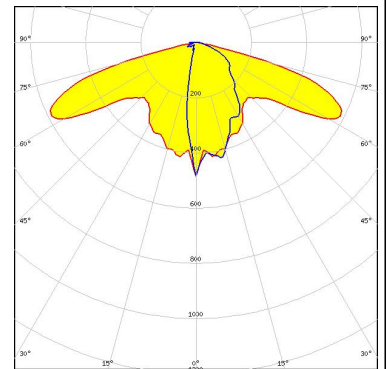


LED XP-L2
 FWHM Asymmetric
 Efficiency 79 %
 Peak intensity 0.330 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

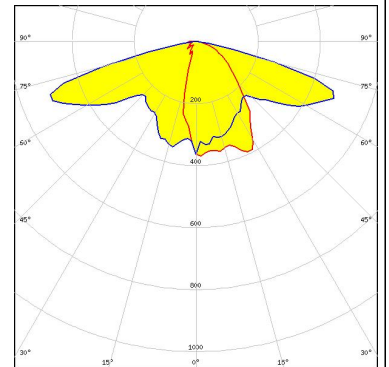
Transparent protective cover



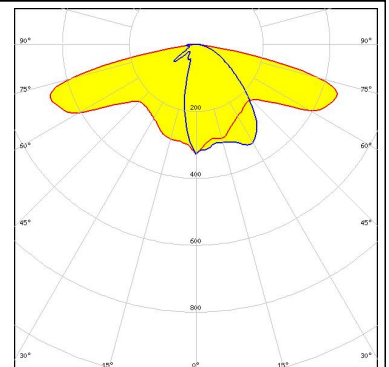
LED XQ-E HD
 FWHM Asymmetric
 Efficiency 89 %
 Peak intensity cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON H50-2
 FWHM Asymmetric
 Efficiency %
 Peak intensity cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



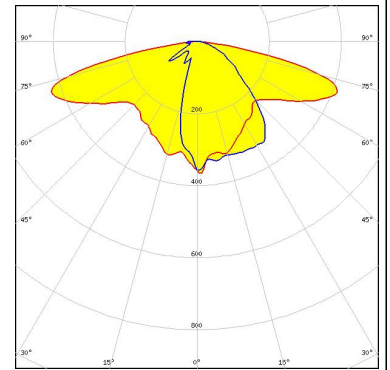
LED LUXEON V2
 FWHM Asymmetric
 Efficiency 93 %
 Peak intensity 0.520 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



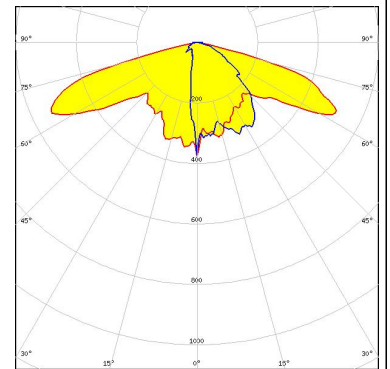
PHOTOMETRIC DATA (SIMULATED):



LED NVSW219D
FWHM Asymmetric
Efficiency 92 %
Peak intensity 0.480 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSxx19A
FWHM Asymmetric
Efficiency 85 %
Peak intensity 0.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:

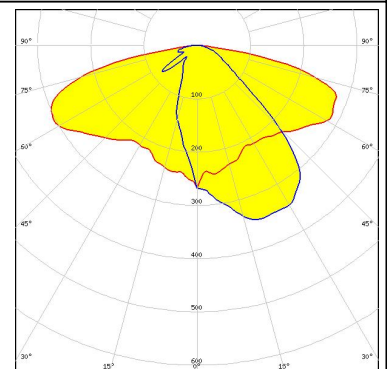


Transparent protective cover



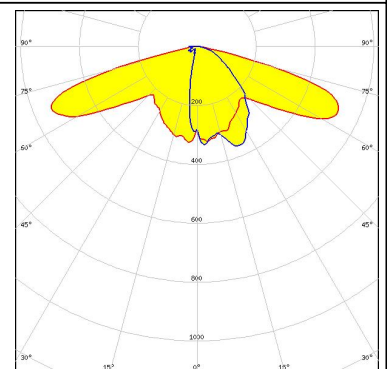
Opto Semiconductors

LED Duris S8
FWHM Asymmetric
Efficiency 88 %
Peak intensity 0.430 cd/lm
LEDs/each optic 1
Light colour White
Required components:



Opto Semiconductors

LED OSCONIQ P 3737 (2W version)
FWHM Asymmetric
Efficiency 90 %
Peak intensity 0.610 cd/lm
LEDs/each optic 1
Light colour White
Required components:

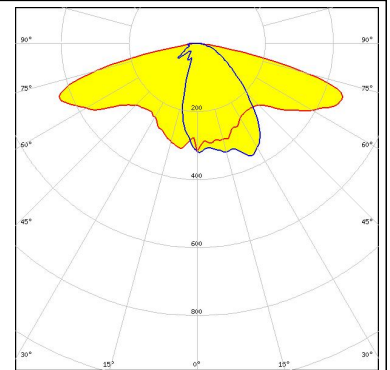


PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

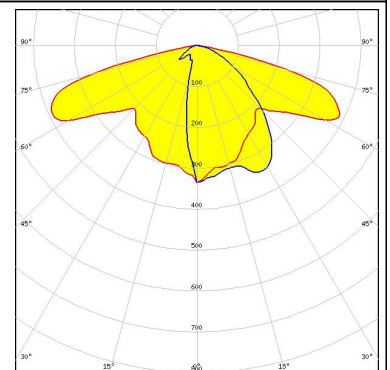
LED OSCONIQ P 3737 (3W version)
 FWHM Asymmetric
 Efficiency 93 %
 Peak intensity 2.070 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
 FWHM Asymmetric
 Efficiency 81 %
 Peak intensity 0.450 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



Transparent protective cover

SAMSUNG


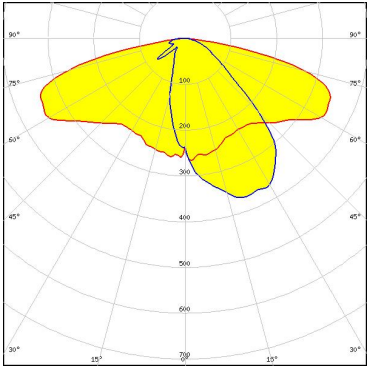

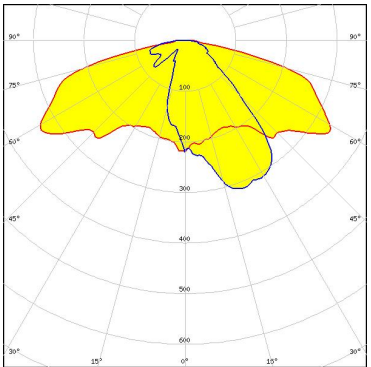
LED LM301B
 FWHM Asymmetric
 Efficiency 80 %
 Peak intensity 0.371 cd/lm
 LEDs/each optic 4
 Light colour White
 Required components:

Transparent protective cover

SAMSUNG

LED LM301B
 FWHM Asymmetric
 Efficiency 91 %
 Peak intensity 0.419 cd/lm
 LEDs/each optic 4
 Light colour White
 Required components:

PHOTOMETRIC DATA (SIMULATED):

| | | |
|--|---|--|
|  SEOUL SEMICONDUCTOR | LED: SEOUL DC 5050 6V FWHM: Asymmetric Efficiency: 94 % Peak intensity: 0.421 cd/lm LEDs/each optic: 1 Light colour: White Required components: |  |
|  SEOUL SEMICONDUCTOR | LED: Z8Y19 FWHM: Asymmetric Efficiency: 93 % Peak intensity: 0.461 cd/lm LEDs/each optic: 4 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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