

STRADA-2X2-ME-WIDE2

Beam with excellent longitudinal luminance uniformity for staggered pole setups fulfilling EN13201 M-class requirements where road width is equal to or less than the pole height

SPECIFICATION:

| | |
|----------------|----------------|
| Dimensions | 50.0 x 50.0 mm |
| Height | 7 mm |
| Fastening | pin, screw |
| ROHS compliant | yes ⓘ |

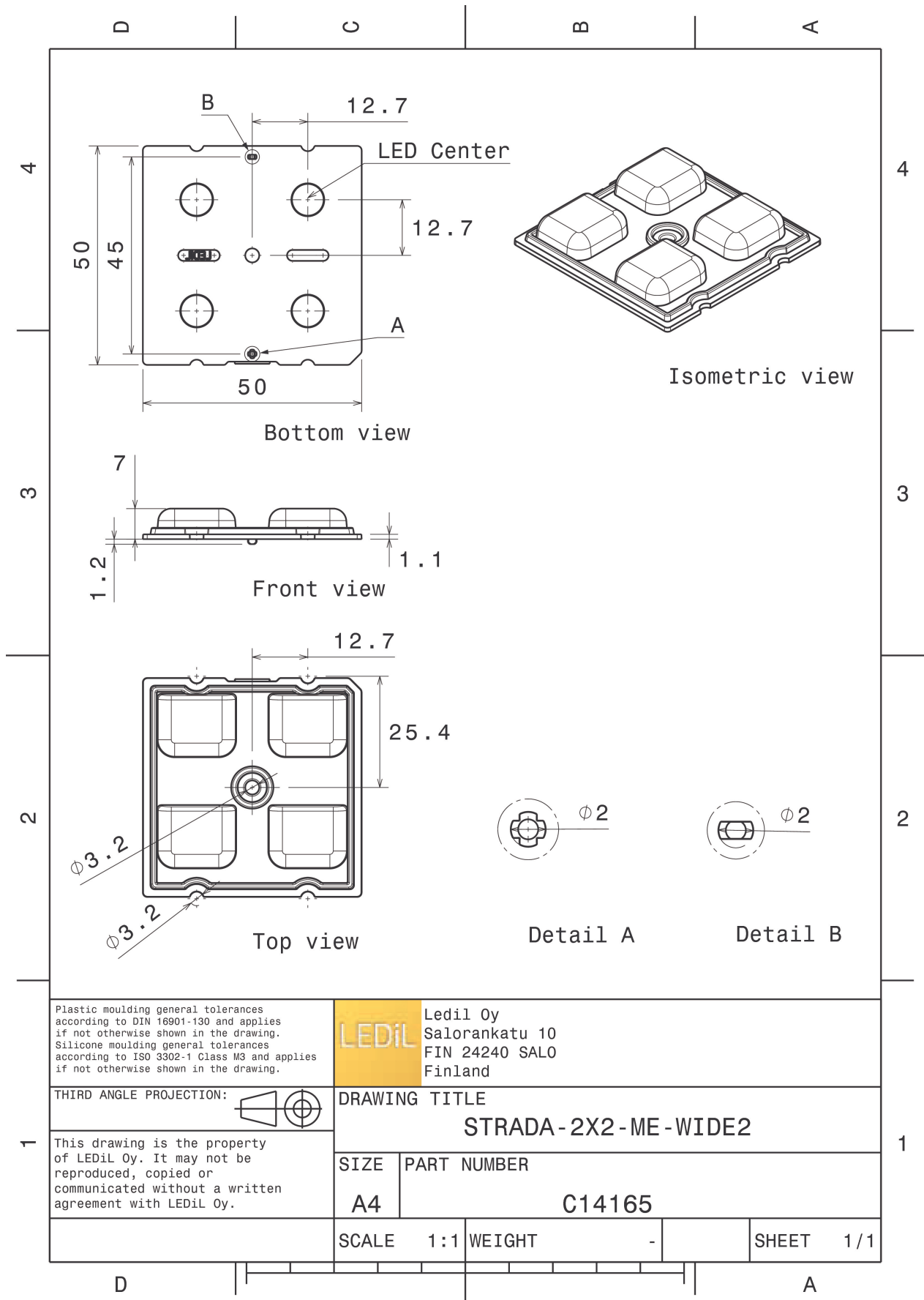


MATERIALS:

| Component | Type | Material | Colour | Finish |
|---------------------|------------|----------|--------|--------|
| STRADA-2X2-ME-WIDE2 | Multi-lens | PMMA | clear | |

ORDERING INFORMATION:

| Component | Qty in box | MOQ | MPQ | Box weight (kg) |
|--|------------|-----|-----|-----------------|
| C14165_STRADA-2X2-ME-WIDE2 » Box size: 480 x 280 x 300 mm | 800 | 160 | 160 | 7.6 |



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

LEDiL Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
STRADA - 2X2 - ME - WIDE2

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| SIZE | PART NUMBER |
|------|-------------|
| A4 | C14165 |

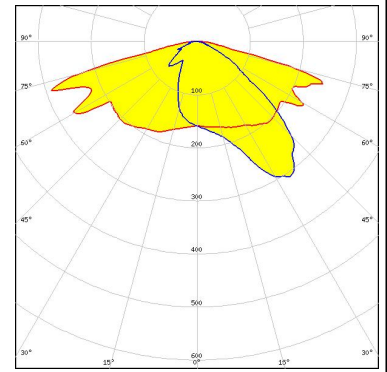
| SCALE | 1:1 | WEIGHT | - | SHEET | 1/1 |
|-------|-----|--------|---|-------|-----|
|-------|-----|--------|---|-------|-----|

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

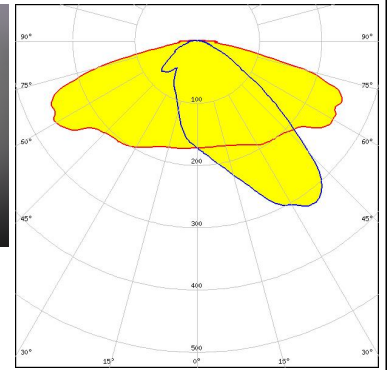
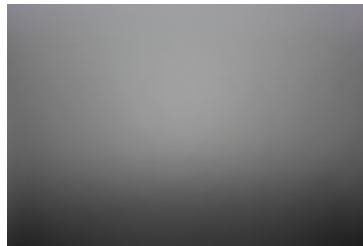
OPTICAL RESULTS (MEASURED):



LED XD16
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

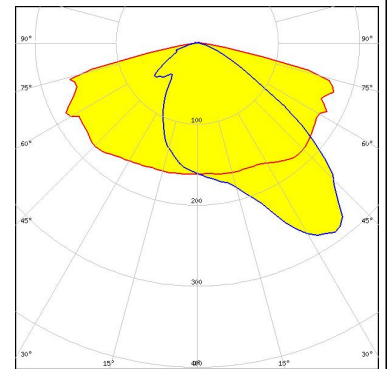


LED XD16
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 4
 Light colour White
 Required components:



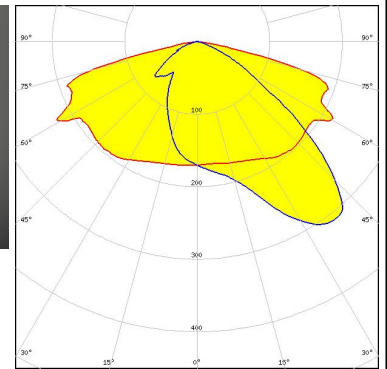
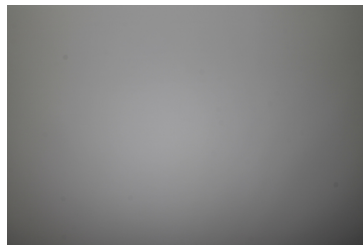
LED XP-G2
 FWHM / FWTM Asymmetric
 Efficiency 79 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



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

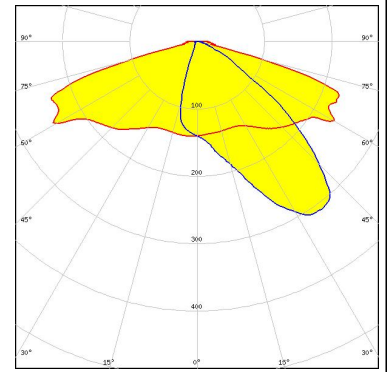
Protective plate, glass



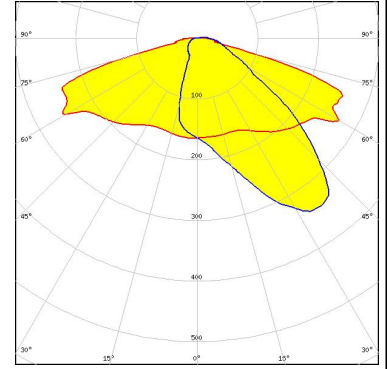
OPTICAL RESULTS (MEASURED):



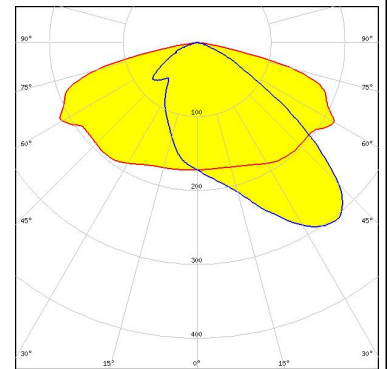
LED XP-G3
 FWHM / FWTM Asymmetric
 Efficiency 72 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C17677_STRADA-2X2-SHD-BLK



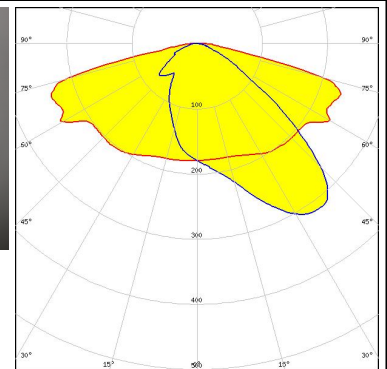
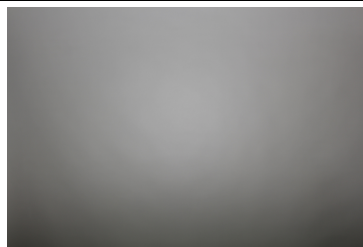
LED XP-G3
 FWHM / FWTM Asymmetric
 Efficiency 87 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C17580_STRADA-2X2-SHD-WHT



LED XP-L2
 FWHM / FWTM Asymmetric
 Efficiency 83 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



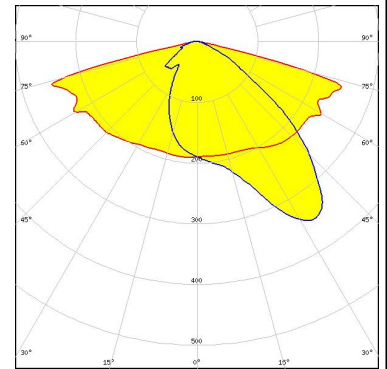
LED LUXEON V
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

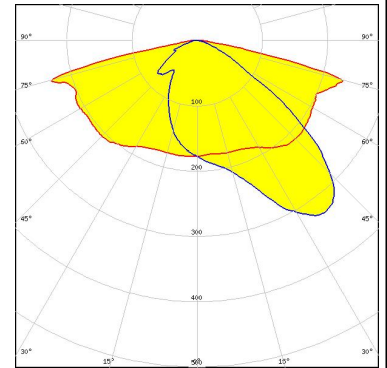
MST *Your solutions*

LED RecLED 122x50mm 1900lm 730 2x4 Opt G1
 FWHM / FWTM Asymmetric
 Efficiency 95 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



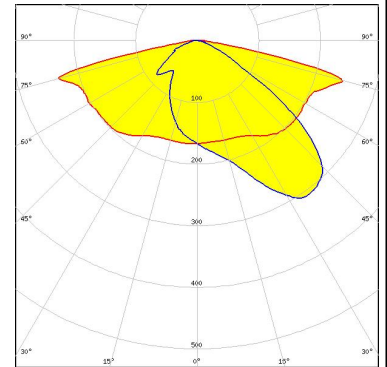
NICHIA

LED NVSW219F
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



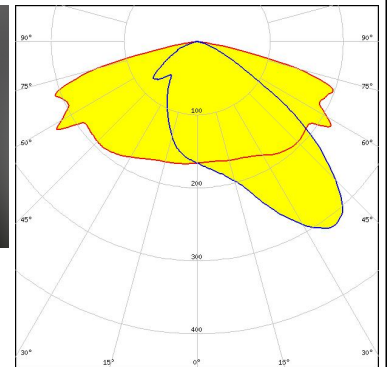
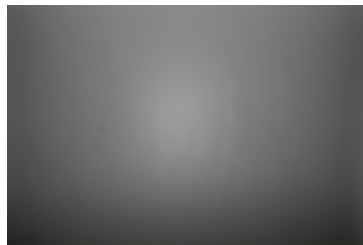
NICHIA

LED NVSW319B
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

LED NVSW3x9A
 FWHM / FWTM Asymmetric
 Efficiency 85 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

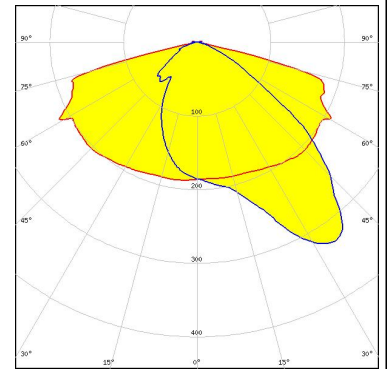


OPTICAL RESULTS (MEASURED):

PHILIPS

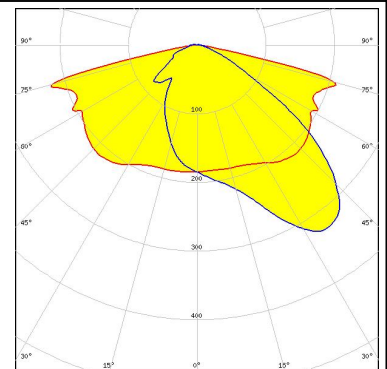
LED Fortimo FastFlex LED 2x8 DA G4
 FWHM / FWTM Asymmetric
 Efficiency 86 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



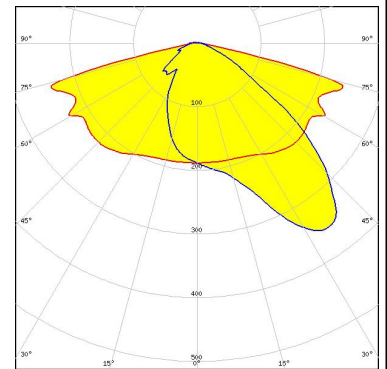
PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4+
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHILIPS

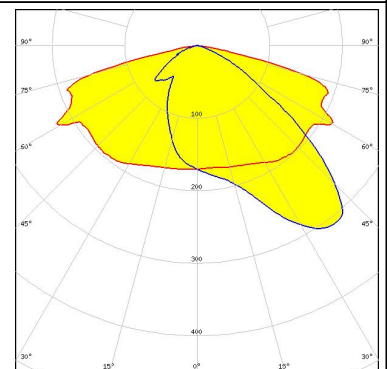
LED Fortimo FastFlex LED 2x8 DA G5
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHILIPS

LED Fortimo FastFlex LED 2x8 DAX G4
 FWHM / FWTM Asymmetric
 Efficiency 84 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

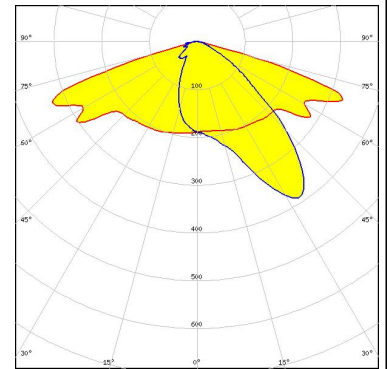
Protective plate, glass



OPTICAL RESULTS (MEASURED):

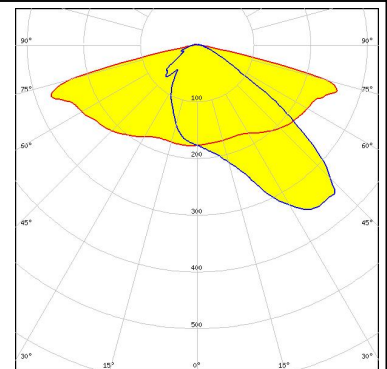
SAMSUNG

LED HiLOM RC12 Z (LH181B)
 FWHM / FWTM Asymmetric
 Efficiency 99 %
 Peak intensity 1.2 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



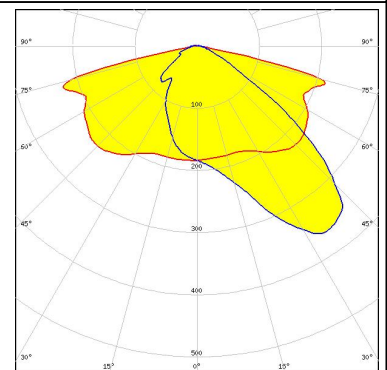
SAMSUNG

LED HiLOM RH12 Z (LH351C)
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 0.9 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



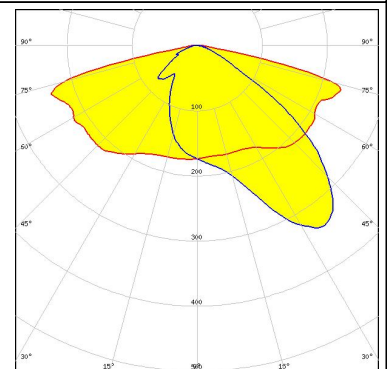
SAMSUNG

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

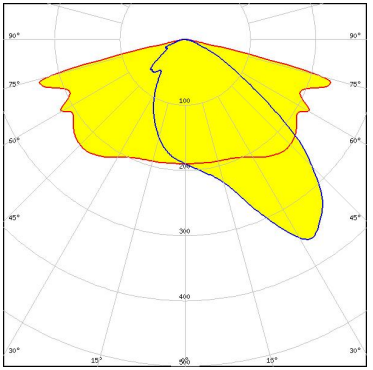
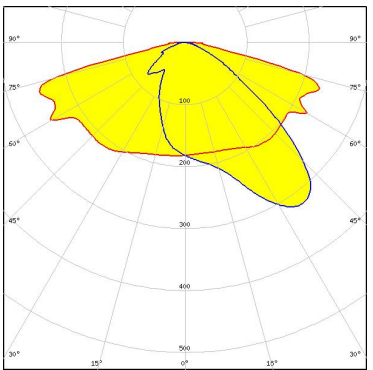
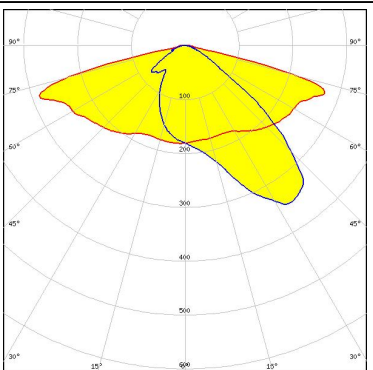
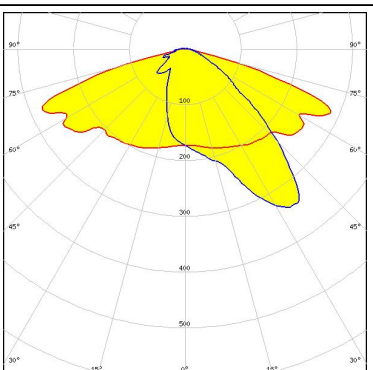


SAMSUNG

LED LH351B
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.9 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

| | |
|---|---|
| <p>SEITEC Elektronik GmbH</p> <p>LED LED-Pa-L15c2W11c2-xxx-C050-01</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 97 %</p> <p>Peak intensity 1.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |
| <p>SEOUL SEMICONDUCTOR</p> <p>LED Z5M3</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |
| <p>SEOUL SEMICONDUCTOR</p> <p>LED Z5M4</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 97 %</p> <p>Peak intensity 0.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |
| <p>SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |

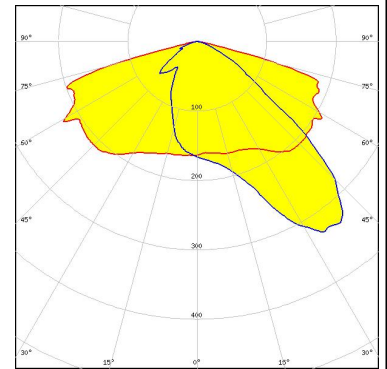
OPTICAL RESULTS (MEASURED):

TOSHIBA

Leading Innovation >>>

LED TL1L4
 FWHM / FWTM Asymmetric
 Efficiency 81 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass

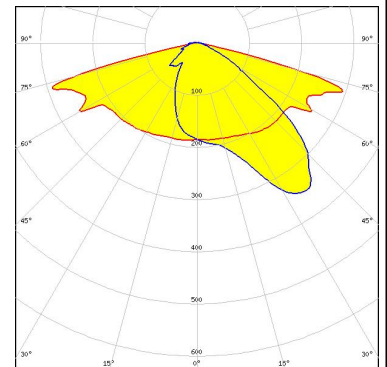


TRIDONIC

LED RLE 2x4 2000lm HP EXC2 OTD
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

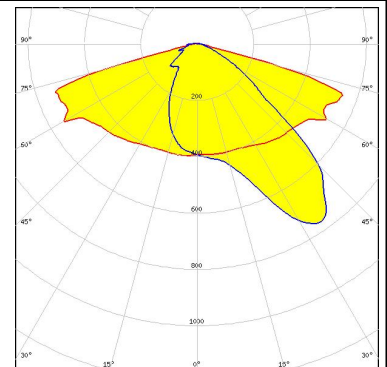
TRIDONIC

LED RLE 2x8 4000lm HP EXC2 OTD
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



TRIDONIC

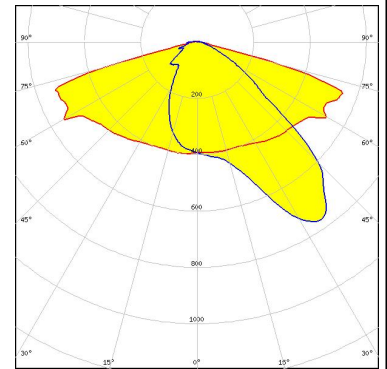
LED RLE G1 49x121mm 2000lm xxx EXC OTD
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

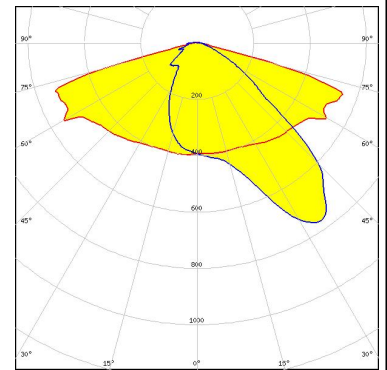
TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



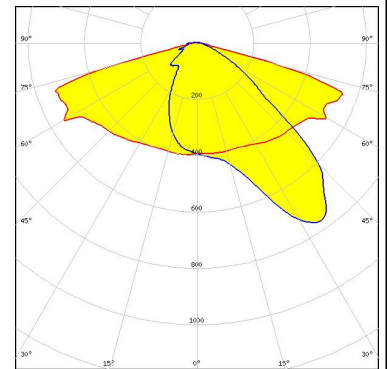
TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



TRIDONIC

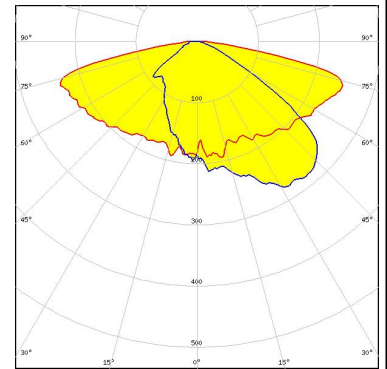
LED RLE G1 49x245mm 4000lm xxx EXC OTD
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



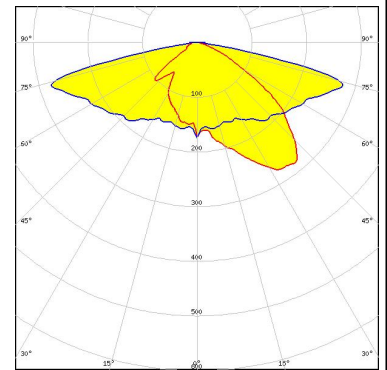
OPTICAL RESULTS (SIMULATED):



LED XHP35 HD
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

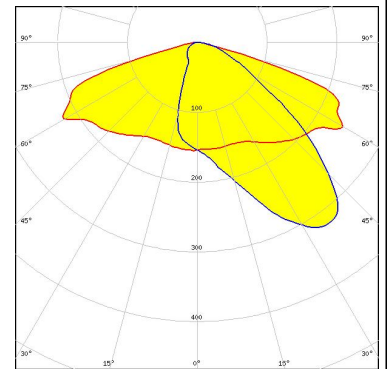


LED XP-G2 HE
 FWHM / FWTM Asymmetric
 Efficiency 92 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

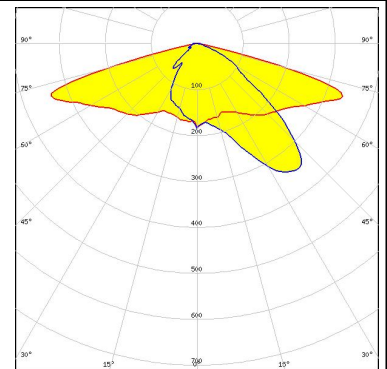


LED XP-G3
 FWHM / FWTM Asymmetric
 Efficiency 73 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C17580_STRADA-2X2-SHD-WHT

Protective plate, glass



LED XP-G4
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

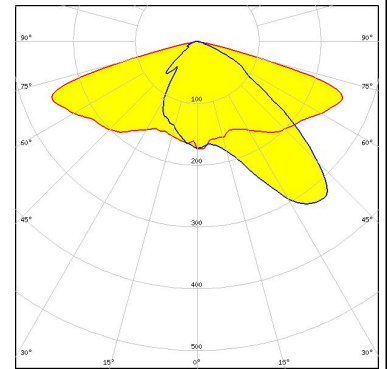


OPTICAL RESULTS (SIMULATED):

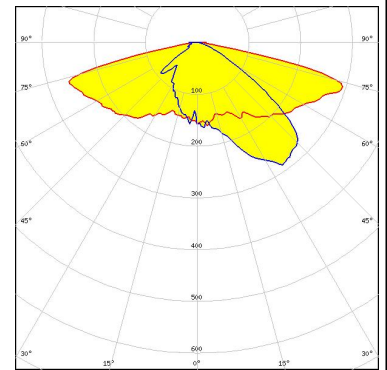


LED XP-G4
 FWHM / FWTM Asymmetric
 Efficiency 81 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass

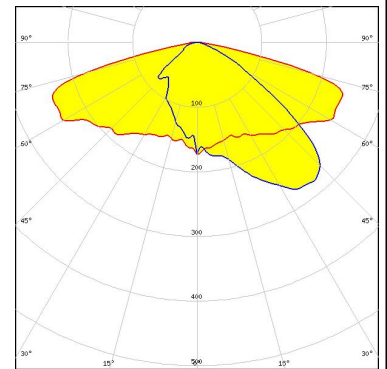


LED XP-L HD
 FWHM / FWTM Asymmetric
 Efficiency 90 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



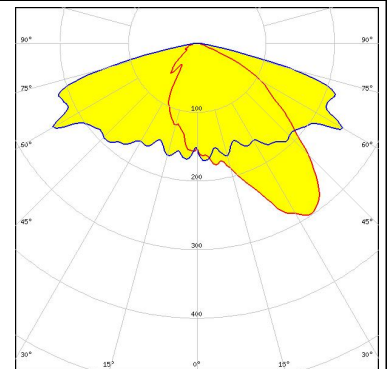
LED XP-L2
 FWHM / FWTM Asymmetric
 Efficiency 80 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



LED XT-E
 FWHM / FWTM Asymmetric
 Efficiency 80 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass

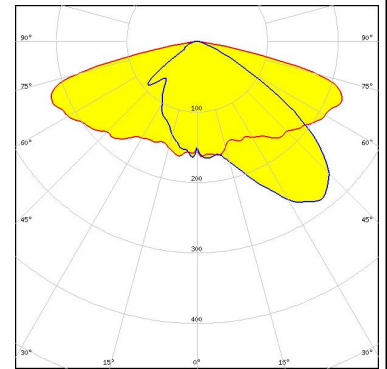


OPTICAL RESULTS (SIMULATED):

LUMILEDS

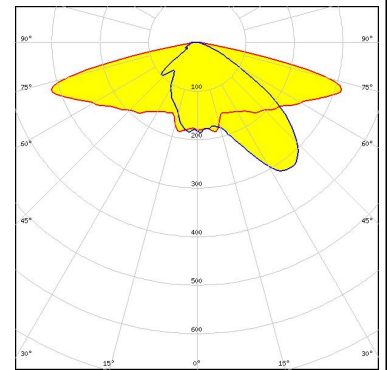
LED LUXEON HL2X
 FWHM / FWTM Asymmetric
 Efficiency 80 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



LUMILEDS

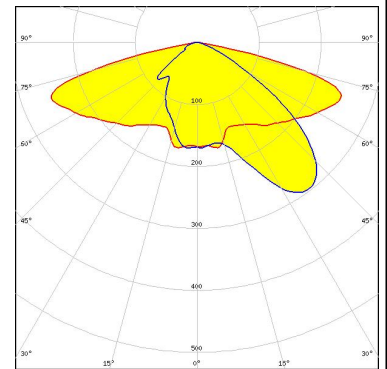
LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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:

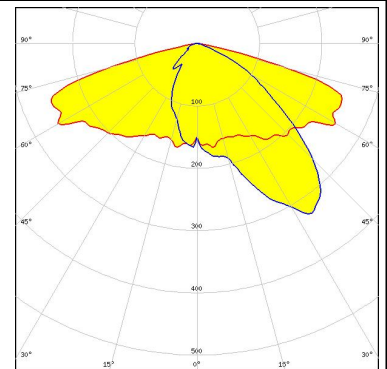
Protective plate, glass



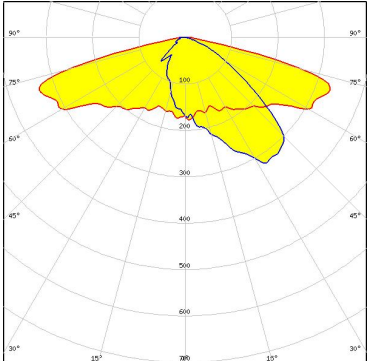
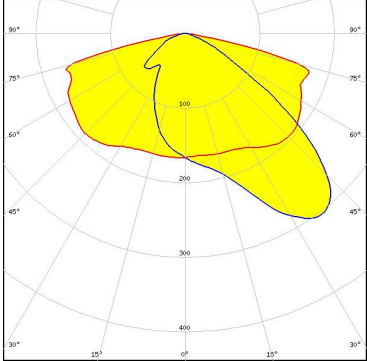
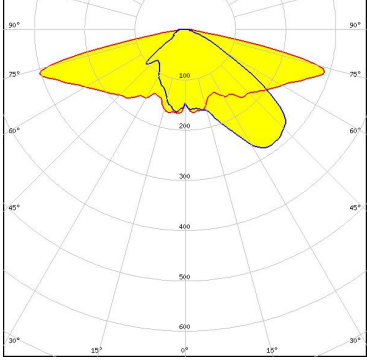
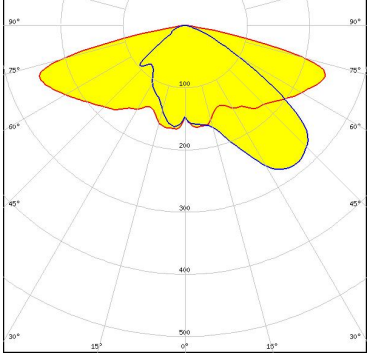
NICHIA

LED NF2x757G
 FWHM / FWTM Asymmetric
 Efficiency 83 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

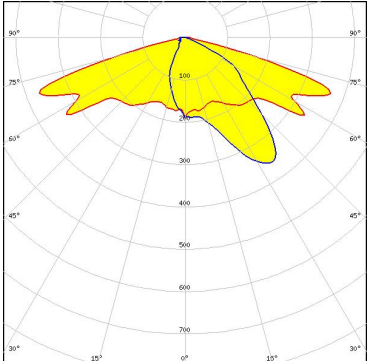
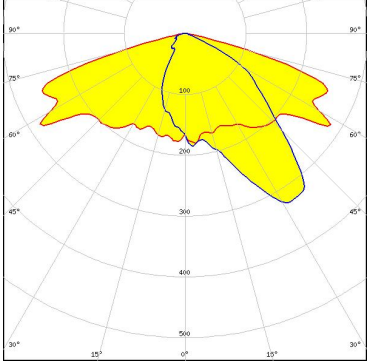
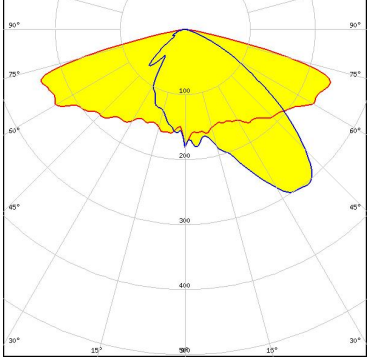
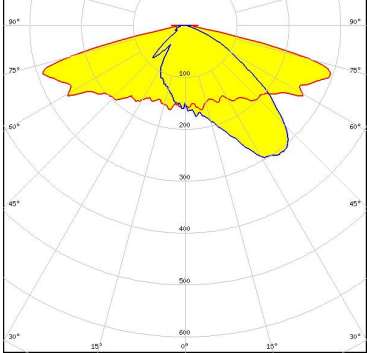
Protective plate, glass



OPTICAL RESULTS (SIMULATED):

| | |
|---|---|
| <p>NICHIA</p> <p>LED: NV4WB35AM FWHM / FWTM: Asymmetric Efficiency: 95 % Peak intensity: 0.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> |  |
| <p>NICHIA</p> <p>LED: NVSW219F FWHM / FWTM: Asymmetric Efficiency: 80 % Peak intensity: 0.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> <p style="background-color: #ADD8E6; padding: 2px; display: inline-block;">Protective plate, glass</p> |  |
| <p>NICHIA</p> <p>LED: NVSW519A FWHM / FWTM: Asymmetric Efficiency: 92 % Peak intensity: 0.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> |  |
| <p>NICHIA</p> <p>LED: NVSW519A FWHM / FWTM: Asymmetric Efficiency: 82 % Peak intensity: 0.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> <p style="background-color: #ADD8E6; padding: 2px; display: inline-block;">Protective plate, glass</p> |  |

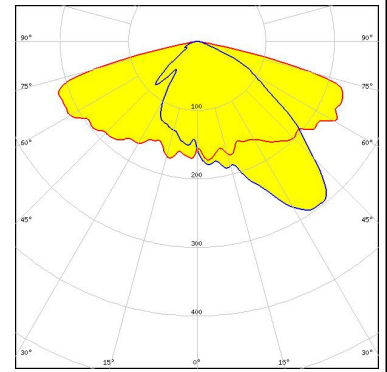
OPTICAL RESULTS (SIMULATED):

| | |
|--|---|
| <p>NICHIA</p> <p>LED: NVSxE21A FWHM / FWTM: Asymmetric Efficiency: 93 % Peak intensity: 0.9 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> |  |
| <p>NICHIA</p> <p>LED: NVSxE21A FWHM / FWTM: Asymmetric Efficiency: 82 % Peak intensity: 0.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> <p style="background-color: #e0f0ff; padding: 2px; display: inline-block;">Protective plate, glass</p> |  |
| <p>NICHIA</p> <p>LED: NVSxx19B/NVSxx19C FWHM / FWTM: Asymmetric Efficiency: 81 % Peak intensity: 0.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> <p style="background-color: #e0f0ff; padding: 2px; display: inline-block;">Protective plate, glass</p> |  |
| <p>NICHIA</p> <p>LED: NVSxx19B/NVSxx19C FWHM / FWTM: Asymmetric Efficiency: 94 % Peak intensity: 0.9 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> |  |

OPTICAL RESULTS (SIMULATED):

OSRAM

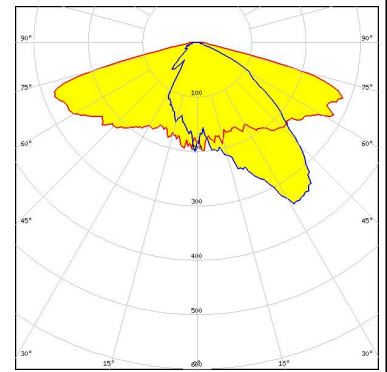
LED PrevaLED Brick HP 2x8
 FWHM / FWTM Asymmetric
 Efficiency 92 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

LED OSCONIQ P 3737 (2W version)
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

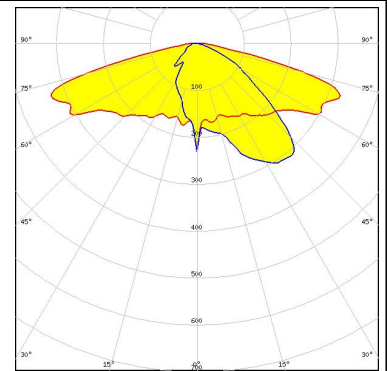
LED OSCONIQ P 3737 (3W version)
 FWHM / FWTM Asymmetric
 Efficiency 81 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass

OSRAM

Opto Semiconductors

LED OSCONIQ P 3737 (3W version)
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



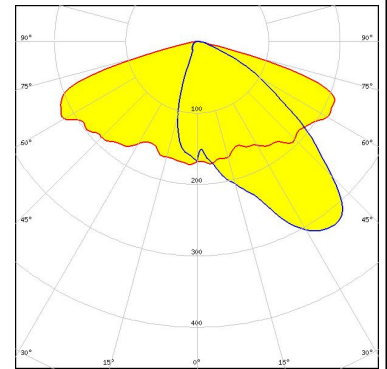
OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM Asymmetric
 Efficiency 69 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C17580_STRADA-2X2-SHD-WHT

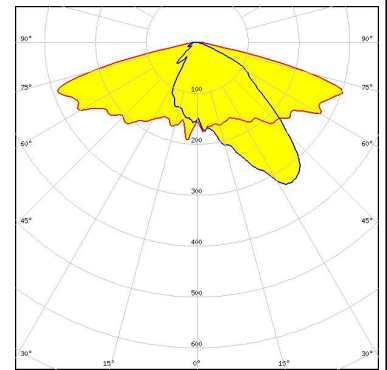
Protective plate, glass



OSRAM

Opto Semiconductors

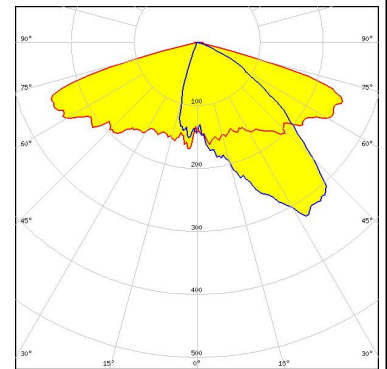
LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM Asymmetric
 Efficiency 92 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM Asymmetric
 Efficiency 73 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C17677_STRADA-2X2-SHD-BLK

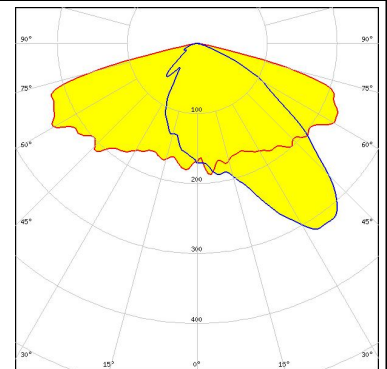


OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM Asymmetric
 Efficiency 82 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



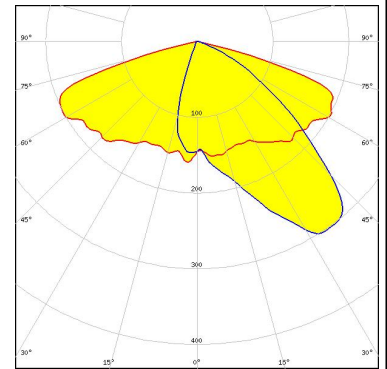
OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM Asymmetric
 Efficiency 64 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C17677_STRADA-2X2-SHD-BLK

Protective plate, glass

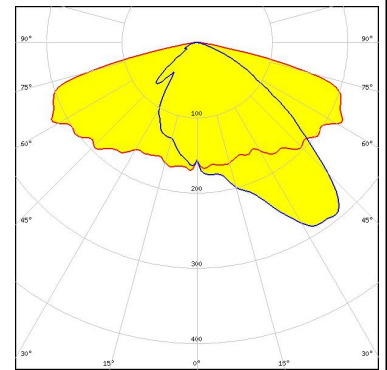


OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM Asymmetric
 Efficiency 79 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

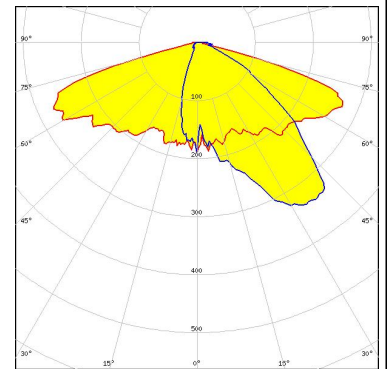
Protective plate, glass



OSRAM

Opto Semiconductors

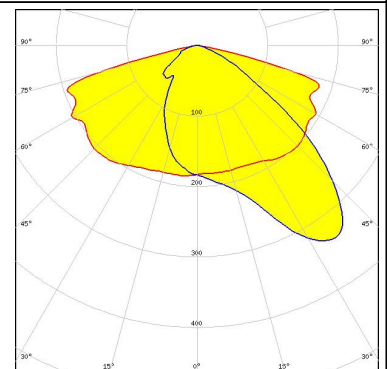
LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM Asymmetric
 Efficiency 79 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C17580_STRADA-2X2-SHD-WHT



PHILIPS

LED Fortimo FastFlex LED 2x8 DA G5
 FWHM / FWTM Asymmetric
 Efficiency 83 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

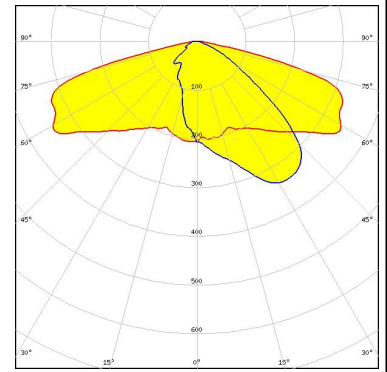
Protective plate, glass



OPTICAL RESULTS (SIMULATED):

PHILIPS

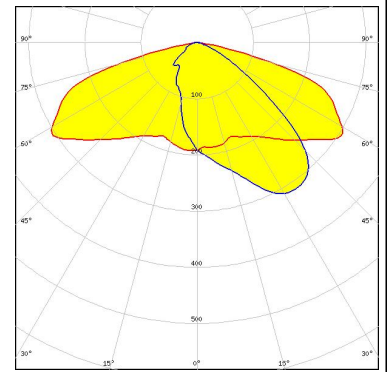
LED Fortimo FastFlex LED 2x8 DA HE
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHILIPS

LED Fortimo FastFlex LED 2x8 DA HE
 FWHM / FWTM Asymmetric
 Efficiency 83 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

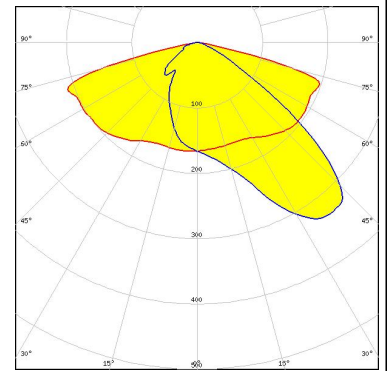
Protective plate, glass



SAMSUNG

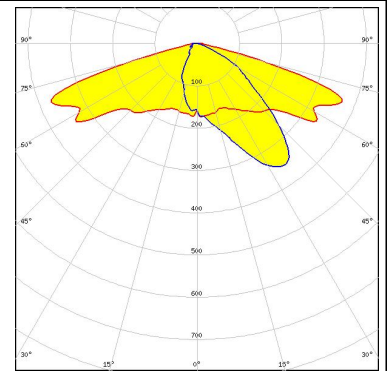
LED HiLOM RH12 Z (LH351C)
 FWHM / FWTM Asymmetric
 Efficiency 82 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



SAMSUNG

LED LH231B
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

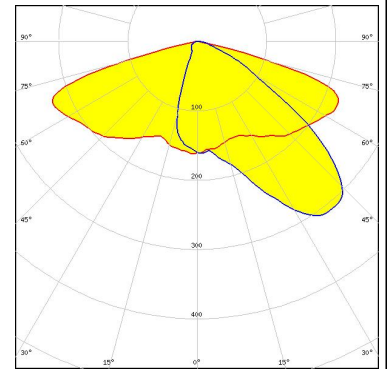


OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED LH351C
 FWHM / FWTM Asymmetric
 Efficiency 71 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C17580_STRADA-2X2-SHD-WHT

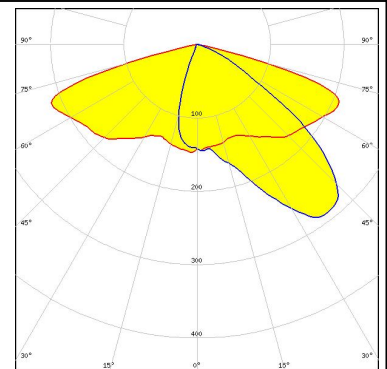
Protective plate, glass



SAMSUNG

LED LH351C
 FWHM / FWTM Asymmetric
 Efficiency 64 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C17677_STRADA-2X2-SHD-BLK

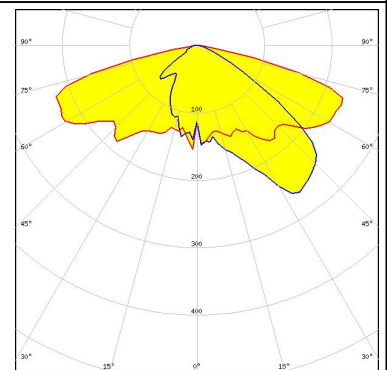
Protective plate, glass



SAMSUNG

LED LH351D
 FWHM / FWTM Asymmetric
 Efficiency 75 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

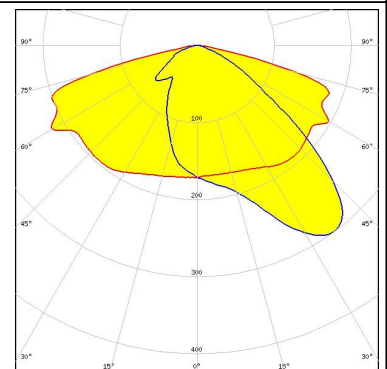
Protective plate, glass



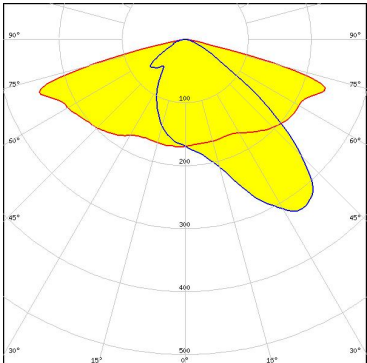
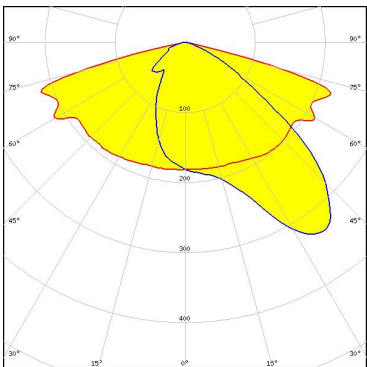
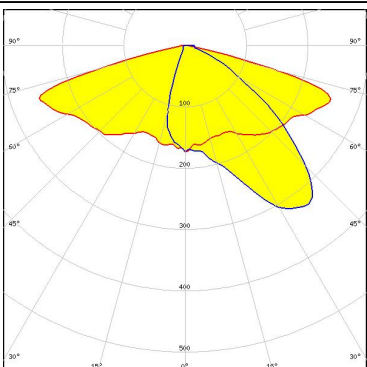
SEOL SEMICONDUCTOR

LED Z5M3
 FWHM / FWTM Asymmetric
 Efficiency 80 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



OPTICAL RESULTS (SIMULATED):

| | |
|---|---|
| <p>SEOL SEOUL SEMICONDUCTOR</p> <p>LED: Z5M4 FWHM / FWTM: Asymmetric Efficiency: 83 % Peak intensity: 0.6 cd/lm LEDs/each optic: 1 Light colour: White</p> <p>Required components:</p> <p>Protective plate, glass</p> |  |
| <p>TRIDONIC</p> <p>LED: RLE 2x8 4000lm HP EXC2 OTD FWHM / FWTM: Asymmetric Efficiency: 84 % Peak intensity: 0.6 cd/lm LEDs/each optic: 1 Light colour: White</p> <p>Required components:</p> <p>Protective plate, glass</p> |  |
| <p>TRIDONIC</p> <p>LED: RLE 2x8 4000lm HP EXC2 OTD FWHM / FWTM: Asymmetric Efficiency: 76 % Peak intensity: 0.6 cd/lm LEDs/each optic: 1 Light colour: White</p> <p>Required components:</p> <p>C17677_STRADA-2X2-SHD-BLK</p> |  |

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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