# STRADA-2X2-ME-WIDE1

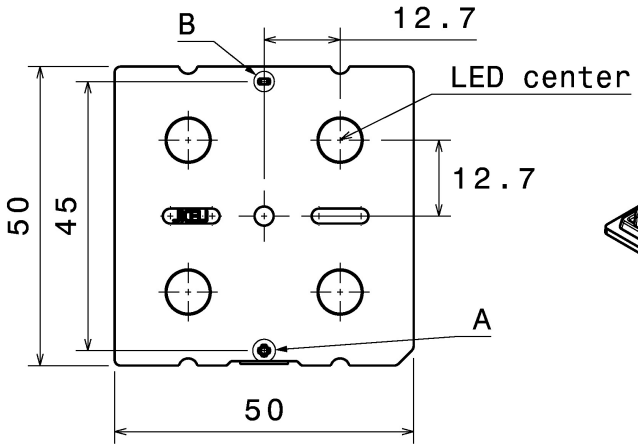
**Beam with excellent longitudinal luminance uniformity fulfilling EN13201 M-class requirements where road width is equal to or less than the pole height. Added house-side backlight.**

## TECHNICAL SPECIFICATIONS:

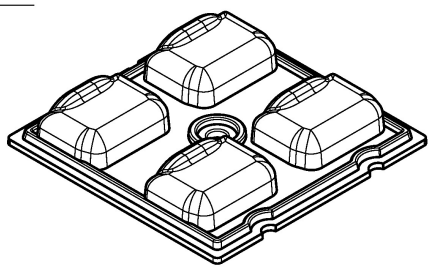
| | |
|---|---|
| Dimensions | 50.0 mm |
| Height | 8.3 mm |
| Fastening | glue, screw, pin |
| Colour | clear |
| Box size | 480 x 280 x 300 mm |
| Box weight | 7.9 kg |
| Quantity in Box | 800 pcs |
| ROHS compliant | yes |

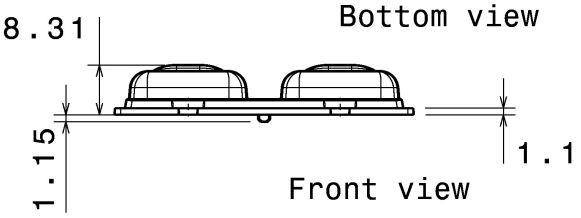
## MATERIAL SPECIFICATIONS:

| Component | Type | Material | Colour |
|---|---|---|---|
| STRADA-2X2-ME-WIDE1 | Lens array | PMMA | clear |

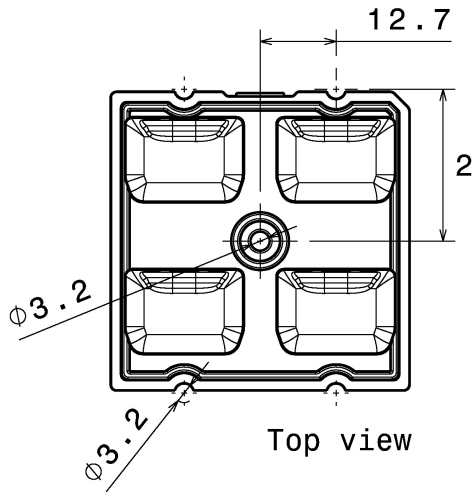


Bottom view

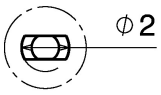

Isometric view



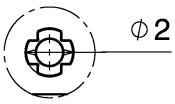
Front view



Top view



Detail B



Detail A

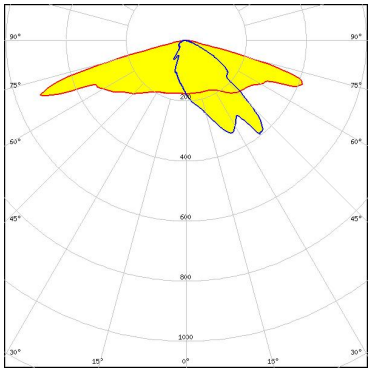
| | |
|---|---|
| Tolerances if not otherwise shown<br>According to DIN ISO 2768-1<br>Linear measures:<br>Up to 30mm class M, otherwise class C.<br>According to DIN ISO 2768-2<br>Form and position: class L | Ledil Oy<br>Salorankatu 10<br>FIN 24240 SALO<br>Finland |
| THIRD ANGLE PROJECTION: | DRAWING TITLE<br>STRADA-2X2-ME-WIDE1 |
| This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy. | SIZE A4 / PART NUMBER C14164 |
| | SCALE 1:1 / WEIGHT - / SHEET 1/1 |

## PHOTOMETRIC DATA (MEASURED):

CREE

| | |
|---|---|
| LED | XD16 |
| FWHM | Asymmetric |
| Efficiency | 94 % |
| Peak intensity | 1.400 cd/lm |

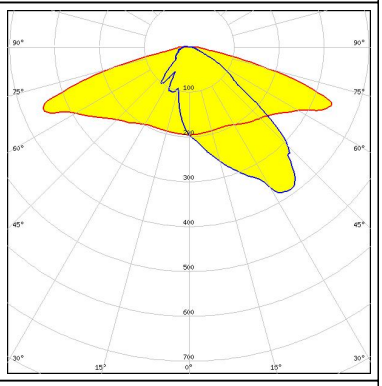
Required components:



CREE

| | |
|---|---|
| LED | XD16 2x2 cluster |
| FWHM | Asymmetric |
| Efficiency | 94 % |
| Peak intensity | 0.700 cd/lm |

Required components:

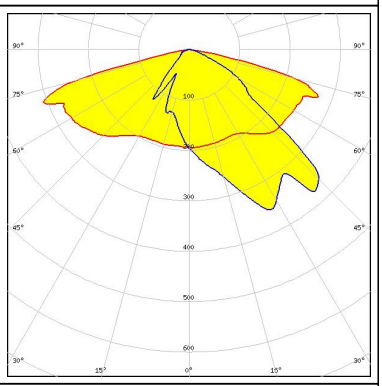


CREE

| | |
|---|---|
| LED | XP-G |
| FWHM | Asymmetric |
| Efficiency | 86 % |
| Peak intensity | 0.950 cd/lm |

Required components:

Undefined Manufacturer: Protective Plate, Glass

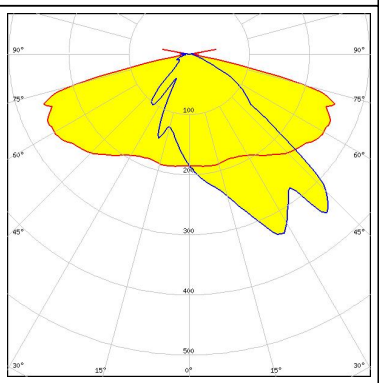


CREE

| | |
|---|---|
| LED | XP-G2 |
| FWHM | Asymmetric |
| Efficiency | 83 % |
| Peak intensity | 0.860 cd/lm |

Required components:

Undefined Manufacturer: Protective Plate, Glass

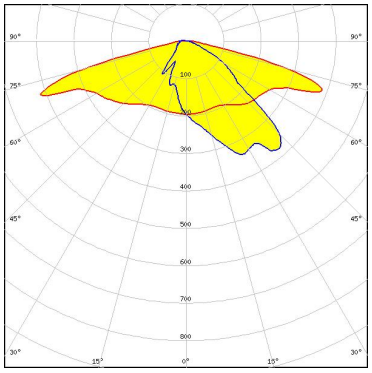


## PHOTOMETRIC DATA (MEASURED):

CREE

| | |
|---|---|
| LED | XP-G3 |
| FWHM | Asymmetric |
| Efficiency | 94 % |
| Peak intensity | 1.000 cd/lm |

Required components:



CREE

| | |
|---|---|
| LED | XP-L |
| FWHM | Asymmetric |
| Efficiency | 83 % |
| Peak intensity | 0.660 cd/lm |

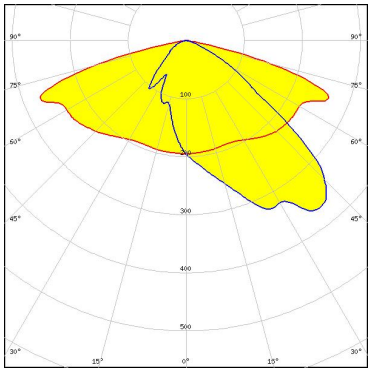
Required components:

Undefined Manufacturer: Protective Plate, Glass

CREE

| | |
|---|---|
| LED | XP-L2 |
| FWHM | Asymmetric |
| Efficiency | 85 % |
| Peak intensity | 0.600 cd/lm |

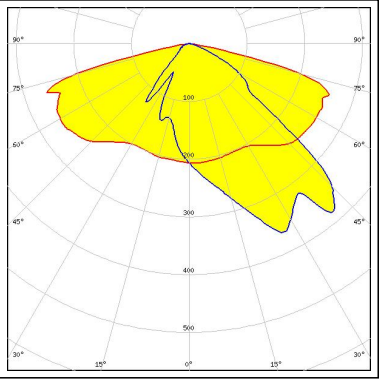
Required components:



LG Innotek

| | |
|---|---|
| LED | H35C1 (LEMWA33) |
| FWHM | Asymmetric |
| Efficiency | 86 % |
| Peak intensity | 0.820 cd/lm |

Required components:



## PHOTOMETRIC DATA (MEASURED):

**LUMILEDS**

| | |
|---|---|
| LED | LUXEON TX |
| FWHM | Asymmetric |
| Efficiency | 84 % |
| Peak intensity | 0.880 cd/lm |

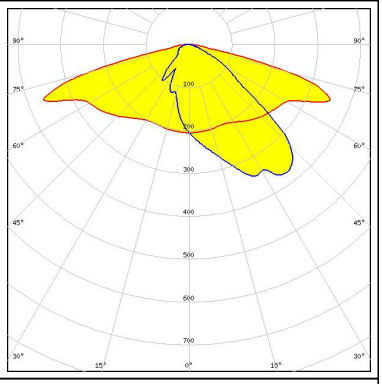
Required components:

Undefined Manufacturer: Protective Plate, Glass

**LUMILEDS**

| | |
|---|---|
| LED | LUXEON V |
| FWHM | Asymmetric |
| Efficiency | 94 % |
| Peak intensity | 0.770 cd/lm |

Required components:

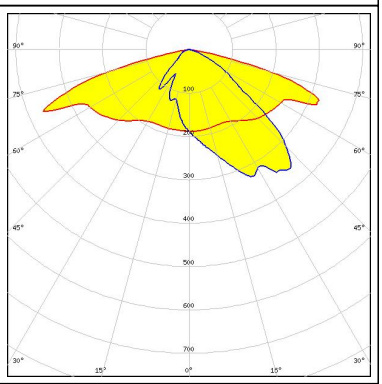


**NICHIA**

| | |
|---|---|
| LED | NVSW3x9A |
| FWHM | Asymmetric |
| Efficiency | 86 % |
| Peak intensity | 0.780 cd/lm |

Required components:

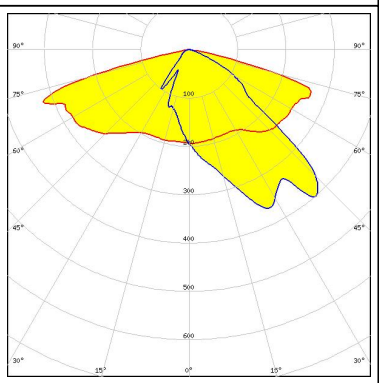
Undefined Manufacturer: Protective Plate, Glass



**OSRAM**

| | |
|---|---|
| LED | PrevaLED Brick DC 2x8 |
| FWHM | Asymmetric |
| Efficiency | 86 % |
| Peak intensity | 0.970 cd/lm |

Required components:

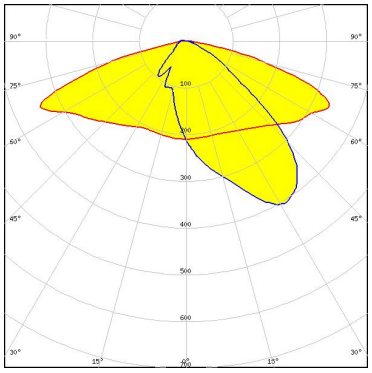


## PHOTOMETRIC DATA (MEASURED):

OSRAM Opto Semiconductors

| | |
|---|---|
| LED | Duris S8 |
| FWHM | Asymmetric |
| Efficiency | 94 % |
| Peak intensity | 0.620 cd/lm |

Required components:

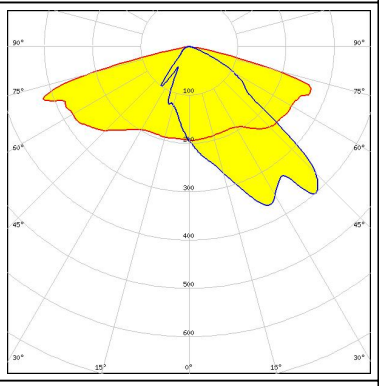


OSRAM Opto Semiconductors

| | |
|---|---|
| LED | Oslon Square Gen3 |
| FWHM | Asymmetric |
| Efficiency | 86 % |
| Peak intensity | 0.970 cd/lm |

Required components:

Undefined Manufacturer: Protective Plate, Glass



OSRAM Opto Semiconductors

| | |
|---|---|
| LED | Oslon Square PC |
| FWHM | Asymmetric |
| Efficiency | 84 % |
| Peak intensity | 0.900 cd/lm |

Required components:

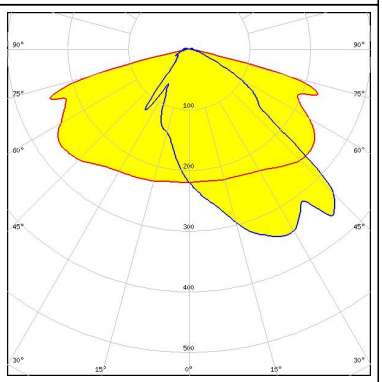
Undefined Manufacturer: Protective Plate, Glass

PHILIPS

| | |
|---|---|
| LED | Fortimo FastFlex LED board 2x8 DA G4 |
| FWHM | Asymmetric |
| Efficiency | 86 % |
| Peak intensity | 0.820 cd/lm |

Required components:

Undefined Manufacturer: Protective Plate, Glass

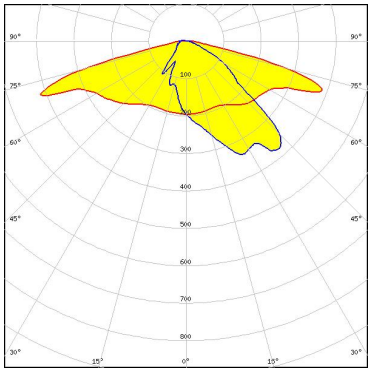


## PHOTOMETRIC DATA (MEASURED):

**PHILIPS**

| | |
|---|---|
| LED | Fortimo FastFlex LED board 2x8 DAX G4 |
| FWHM | Asymmetric |
| Efficiency | 94 % |
| Peak intensity | 1.000 cd/lm |

Required components:

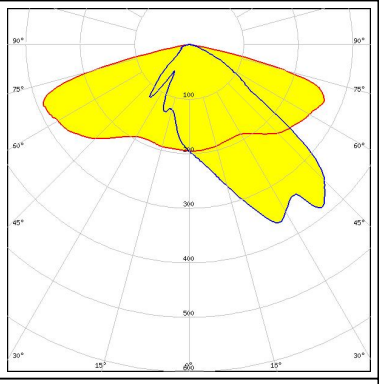


**SAMSUNG**

| | |
|---|---|
| LED | LH351B |
| FWHM | Asymmetric |
| Efficiency | 87 % |
| Peak intensity | 0.740 cd/lm |

Required components:

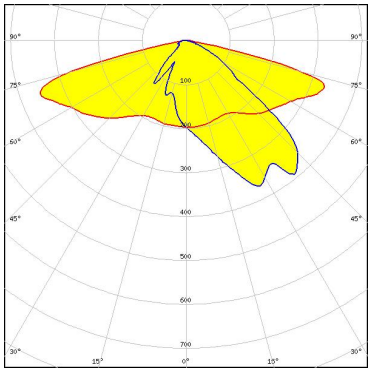
Undefined Manufacturer: Protective Plate, Glass



**SAMSUNG**

| | |
|---|---|
| LED | LH351B |
| FWHM | Asymmetric |
| Efficiency | 94 % |
| Peak intensity | 0.920 cd/lm |

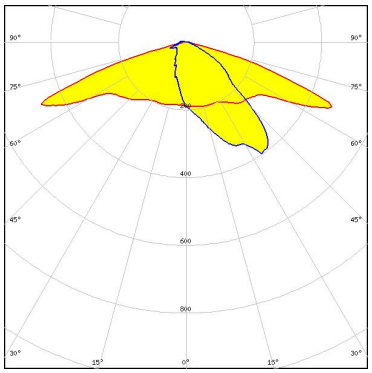
Required components:



SEOUL SEMICONDUCTOR

| | |
|---|---|
| LED | Z8Y22 |
| FWHM | Asymmetric |
| Efficiency | 94 % |
| Peak intensity | 1.100 cd/lm |

Required components:



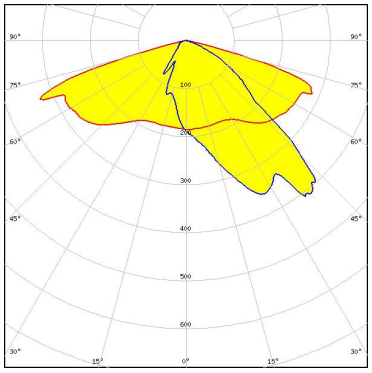
## PHOTOMETRIC DATA (MEASURED):

TOSHIBA
Leading Innovation

| | |
|---|---|
| LED | TL1L4 |
| FWHM | Asymmetric |
| Efficiency | 83 % |
| Peak intensity | 0.880 cd/lm |

Required components:

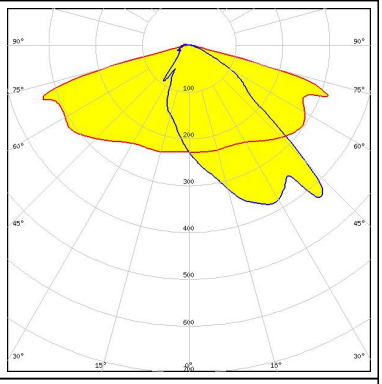
Undefined Manufacturer: Protective Plate, Glass



TRIDONIC

| | |
|---|---|
| LED | RLE G1 49x121mm 2000lm xxx EXC OTD |
| FWHM | Asymmetric |
| Efficiency | 94 % |
| Peak intensity | 1.200 cd/lm |

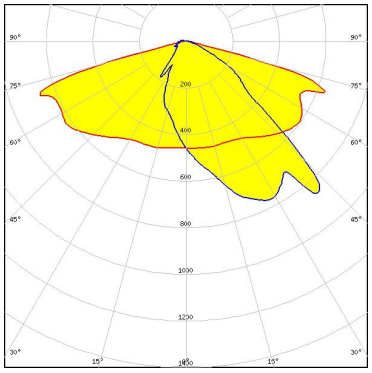
Required components:



TRIDONIC

| | |
|---|---|
| LED | RLE G1 49x133mm 2000lm xxx EXC OTD |
| FWHM | Asymmetric |
| Efficiency | 94 % |
| Peak intensity | 1.200 cd/lm |

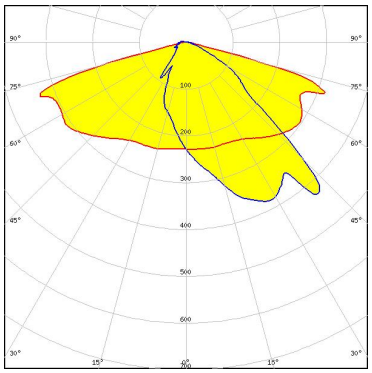
Required components:



TRIDONIC

| | |
|---|---|
| LED | RLE G1 49x223mm 4000lm xxx EXC OTD |
| FWHM | Asymmetric |
| Efficiency | 94 % |
| Peak intensity | 1.200 cd/lm |

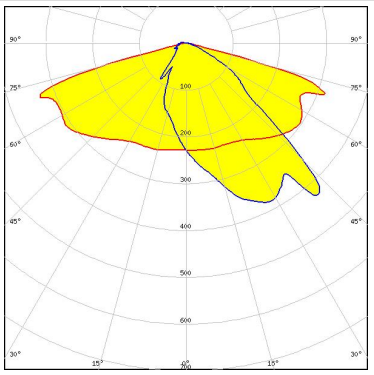
Required components:



## PHOTOMETRIC DATA (MEASURED):

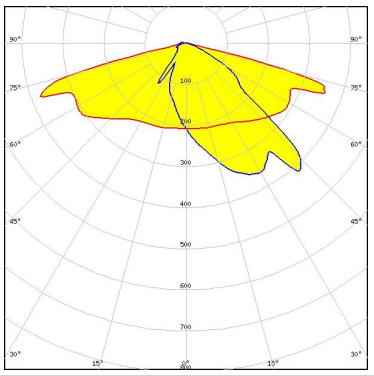
**TRIDONIC**

| | |
|---|---|
| LED | RLE G1 49x245mm 4000lm xxx EXC OTD |
| FWHM | Asymmetric |
| Efficiency | 94 % |
| Peak intensity | 1.200 cd/lm |
| Required components: | |



**TRIDONIC**

| | |
|---|---|
| LED | RLE G2 HP 2x8 4000lm |
| FWHM | Asymmetric |
| Efficiency | 94 % |
| Peak intensity | 1.300 cd/lm |
| Required components: | |

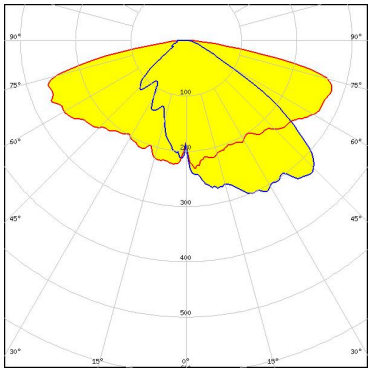


## PHOTOMETRIC DATA (SIMULATED):

CREE

| | |
|---|---|
| LED | XHP35 HD |
| FWHM | Asymmetric |
| Efficiency | 94 % |
| Peak intensity | 0.550 cd/lm |

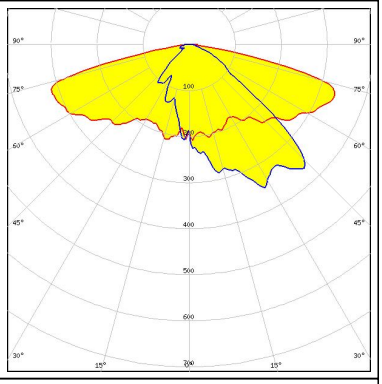
Required components:



CREE

| | |
|---|---|
| LED | XHP35 HI |
| FWHM | Asymmetric |
| Efficiency | 94 % |
| Peak intensity | 0.760 cd/lm |

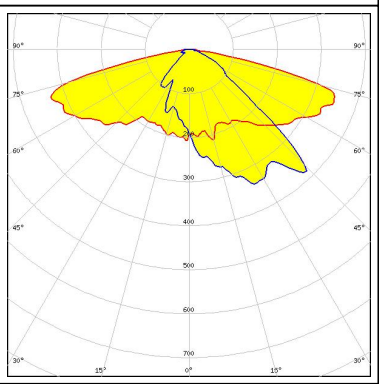
Required components:



CREE

| | |
|---|---|
| LED | XP-L HI |
| FWHM | Asymmetric |
| Efficiency | 94 % |
| Peak intensity | 0.820 cd/lm |

Required components:

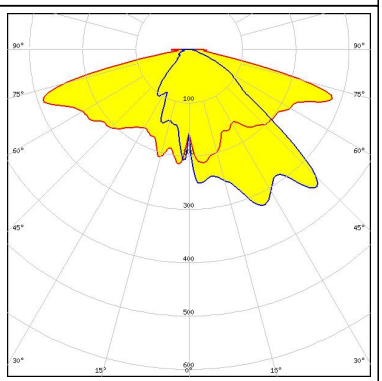


CREE

| | |
|---|---|
| LED | XT-E |
| FWHM | Asymmetric |
| Efficiency | 84 % |
| Peak intensity | cd/lm |

Required components:

Undefined Manufacturer: Protective Plate, Glass



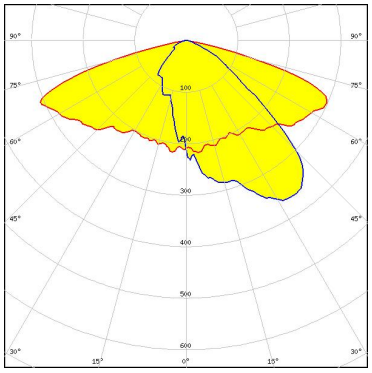
## PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

| | |
|---|---|
| LED | LUXEON 5050 |
| FWHM | Asymmetric |
| Efficiency | 86 % |
| Peak intensity | 0.520 cd/lm |

Required components:

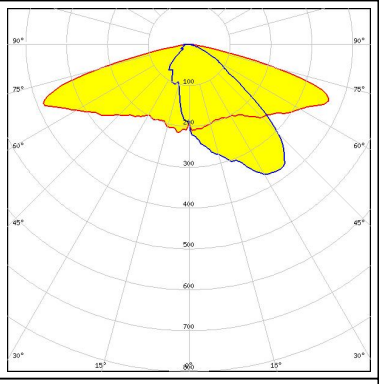
Undefined Manufacturer: Protective Plate, Glass



LUMILEDS

| | |
|---|---|
| LED | LUXEON 5050 |
| FWHM | Asymmetric |
| Efficiency | 94 % |
| Peak intensity | 0.650 cd/lm |

Required components:



LUMILEDS

| | |
|---|---|
| LED | LUXEON T |
| FWHM | Asymmetric |
| Efficiency | 84 % |
| Peak intensity | cd/lm |

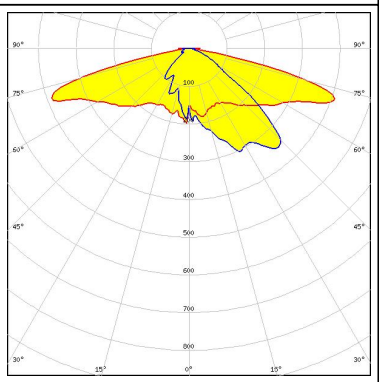
Required components:

Undefined Manufacturer: Protective Plate, Glass

NICHIA

| | |
|---|---|
| LED | NVSW3x9A |
| FWHM | Asymmetric |
| Efficiency | 93 % |
| Peak intensity | 0.850 cd/lm |

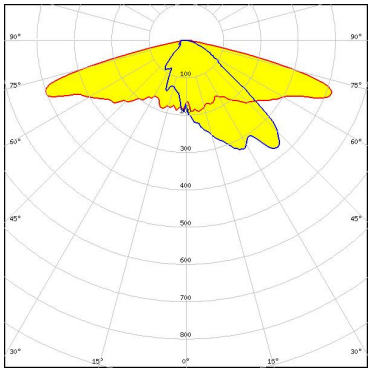
Required components:



## PHOTOMETRIC DATA (SIMULATED):

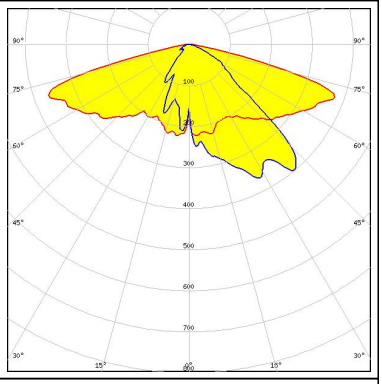
NICHIA

| | |
|---|---|
| LED | NVSxx19B/NVSxx19C |
| FWHM | Asymmetric |
| Efficiency | 94 % |
| Peak intensity | 0.860 cd/lm |
| Required components: | |



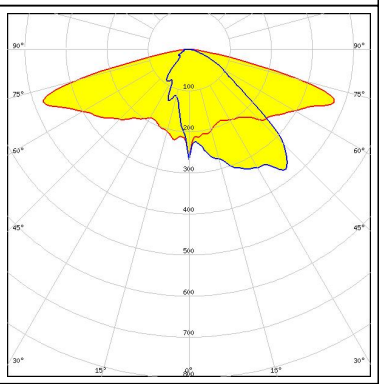
OSRAM
Opto Semiconductors

| | |
|---|---|
| LED | OSCONIQ P 3737 (2W version) |
| FWHM | Asymmetric |
| Efficiency | 94 % |
| Peak intensity | 0.900 cd/lm |
| Required components: | |



OSRAM
Opto Semiconductors

| | |
|---|---|
| LED | OSCONIQ P 3737 (3W version) |
| FWHM | Asymmetric |
| Efficiency | 94 % |
| Peak intensity | 0.720 cd/lm |
| Required components: | |



SAMSUNG

| | |
|---|---|
| LED | LH351D |
| FWHM | Asymmetric |
| Efficiency | 76 % |
| Peak intensity | 0.440 cd/lm |
| Required components: | |

Undefined Manufacturer: 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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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