# STRADA-2X2MXS-T3

**IESNA Type III (medium) beam for roads that are equal to or wider than mounting height.**




## SPECIFICATION:

| | |
|---|---|
| Dimensions | 90.0 x 90.0 mm |
| Height | 14.8 mm |
| Fastening | screw |
| Ingress protection classes | IP67 |
| ROHS compliant | yes |

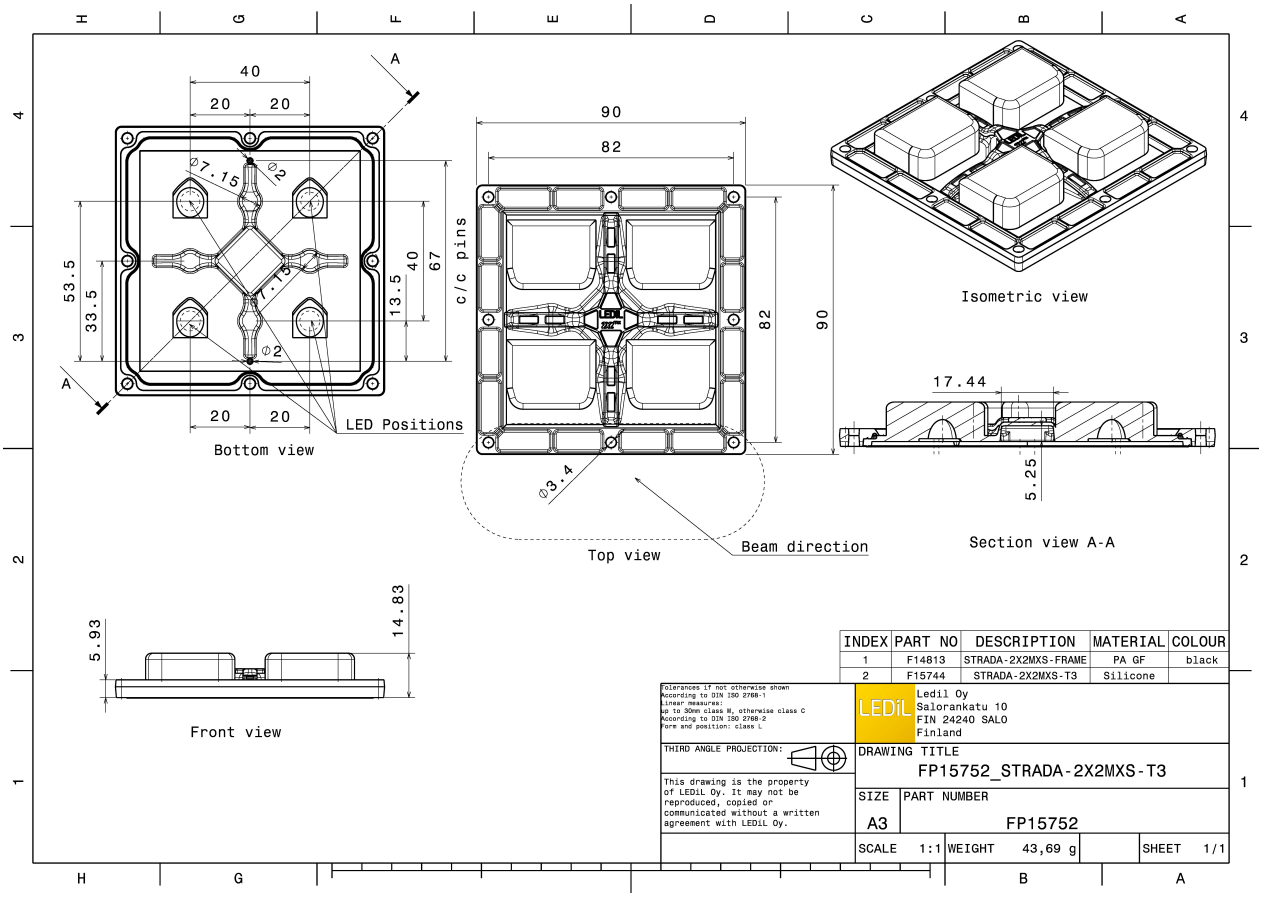
## MATERIALS:

| Component | Type | Material | Colour | Finish |
|---|---|---|---|---|
| STRADA-2X2MXS-T3 | Multi-lens | Silicone | clear | |
| STRADA-2X2MXS-FRAME | Holder | PA66 | black | |

## ORDERING INFORMATION:

| Component | | Qty in box | MOQ | MPQ | Box weight (kg) |
|---|---|---|---|---|---|
| FP15752_STRADA-2X2MXS-T3 | Multi-lens | 192 | 24 | 12 | 10.2 |
| » Box size: 398 x 298 x 265 mm | | | | | |


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.




| INDEX | PART NO | DESCRIPTION | MATERIAL | COLOUR |
|---|---|---|---|---|
| 1 | F14813 | STRADA-2X2MXS-FRAME | PA GF | black |
| 2 | F15744 | STRADA-2X2MXS-T3 | Silicone | |

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
up to 30mm class M, otherwise class C
According to DIN ISO 2768-2
Form and position: class L

THIRD ANGLE PROJECTION:

This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.

LEDiL
Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
FP15752_STRADA-2X2MXS-T3

SIZE A3 | PART NUMBER FP15752

SCALE 1:1 | WEIGHT 43,69 g | SHEET 1/1

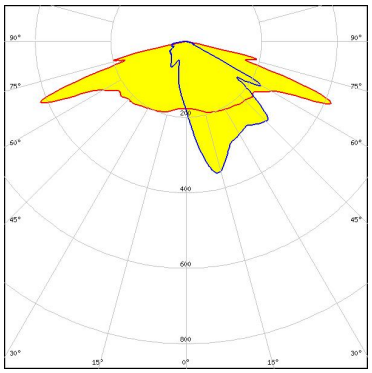
See also our general installation guide: [www.ledil.com/installation_guide](www.ledil.com/installation_guide)


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

## OPTICAL RESULTS (MEASURED):

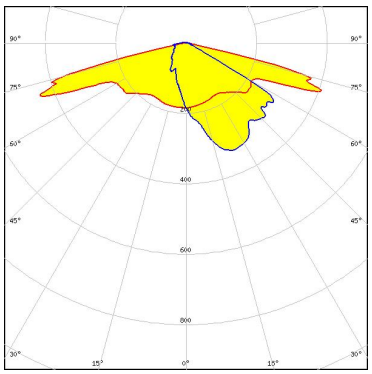
CREE LEDs

| | |
|---|---|
| LED | XT-E HE |
| FWHM / FWTM | Asymmetric |
| Efficiency | 89 % |
| Peak intensity | 0.7 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



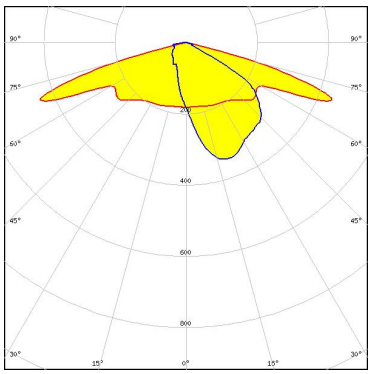
LUMILEDS

| | |
|---|---|
| LED | LUXEON M/MX |
| FWHM / FWTM | Asymmetric |
| Efficiency | 92 % |
| Peak intensity | 0.9 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



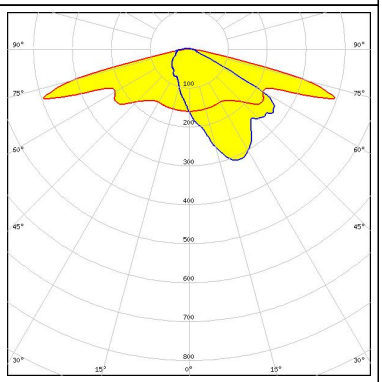
LUMILEDS

| | |
|---|---|
| LED | LUXEON XR-7070 (L224-xxxx004MLU010) |
| FWHM / FWTM | Asymmetric |
| Efficiency | 91 % |
| Peak intensity | 0.8 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



NICHIA

| | |
|---|---|
| LED | NV4x144A |
| FWHM / FWTM | Asymmetric |
| Efficiency | 89 % |
| Peak intensity | 0.8 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |

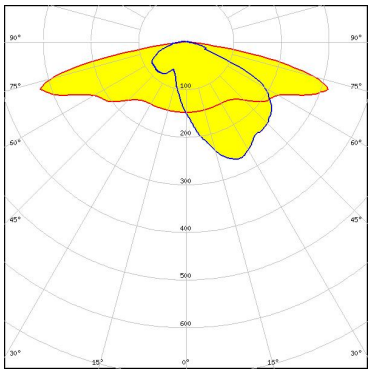



LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

## OPTICAL RESULTS (MEASURED):

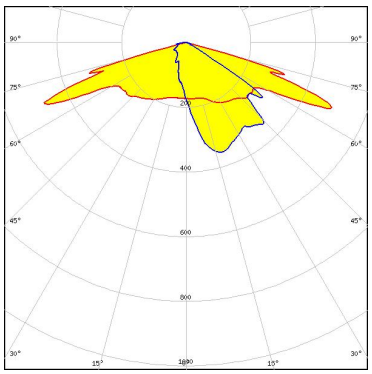
NICHIA

| | |
|---|---|
| LED | NV9W149AM |
| FWHM / FWTM | Asymmetric |
| Efficiency | 87 % |
| Peak intensity | 0.5 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



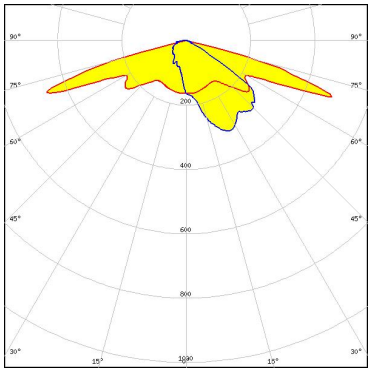
SAMSUNG

| | |
|---|---|
| LED | HiLOM SC16 (LH181B) |
| FWHM / FWTM | Asymmetric |
| Efficiency | 91 % |
| Peak intensity | 1 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



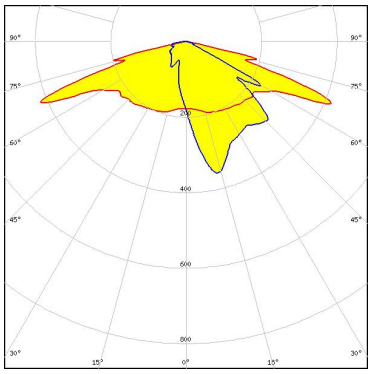
SCIOLUX

| | |
|---|---|
| LED | XLE-S22C4XD16 (XD16) |
| FWHM / FWTM | Asymmetric |
| Efficiency | 88 % |
| Peak intensity | 1 cd/lm |
| LEDs/each optic | 4 |
| Light colour | White |
| Required components: | |



SCIOLUX

| | |
|---|---|
| LED | XLE-S22C4XTEHE (XT-E HE) |
| FWHM / FWTM | Asymmetric |
| Efficiency | 89 % |
| Peak intensity | 0.7 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



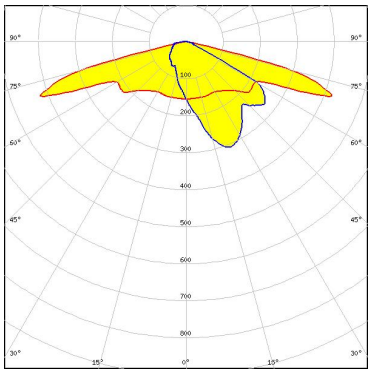

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

## OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR

| | |
|---|---|
| LED | WICOP 5050 |
| FWHM / FWTM | Asymmetric |
| Efficiency | 88 % |
| Peak intensity | 0.8 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:

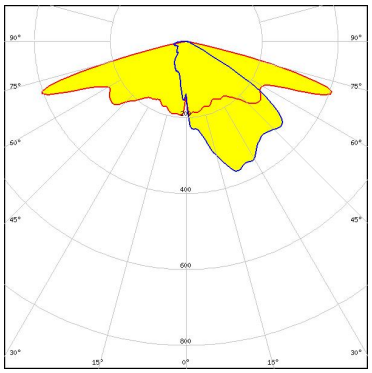



LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

## OPTICAL RESULTS (SIMULATED):

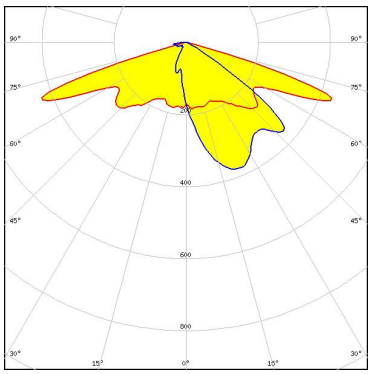
bridgelux

| | |
|---|---|
| LED | Bridgelux SMD 5050 |
| FWHM / FWTM | Asymmetric |
| Efficiency | 89 % |
| Peak intensity | 0.7 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



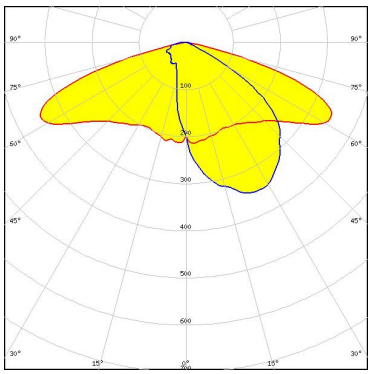
bridgelux

| | |
|---|---|
| LED | V3 HD Gen 8 |
| FWHM / FWTM | Asymmetric |
| Efficiency | 86 % |
| Peak intensity | 0.8 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |
| Bender Wirth: 460 Typ 2x2MX HV | |



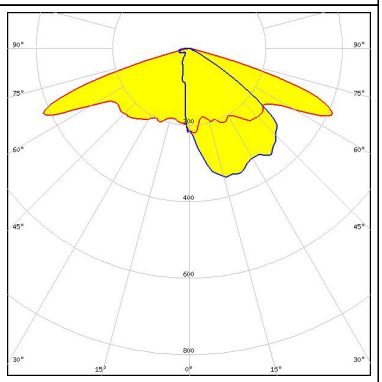
CITIZEN

| | |
|---|---|
| LED | CLL02x/CLU02x (LES10) |
| FWHM / FWTM | Asymmetric |
| Efficiency | 88 % |
| Peak intensity | 0.5 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |
| Bender Wirth: 434 Typ 2x2MX HV | |



CITIZEN

| | |
|---|---|
| LED | CLU700/701/702/703 |
| FWHM / FWTM | Asymmetric |
| Efficiency | 87 % |
| Peak intensity | 0.7 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |
| Bender Wirth: 434 Typ 2x2MX HV | |

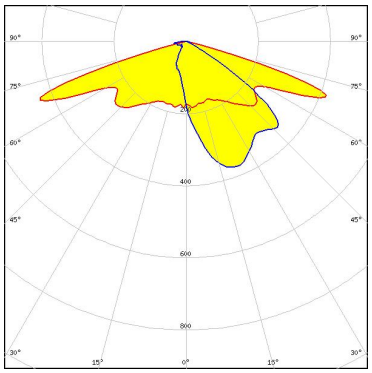



LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

## OPTICAL RESULTS (SIMULATED):

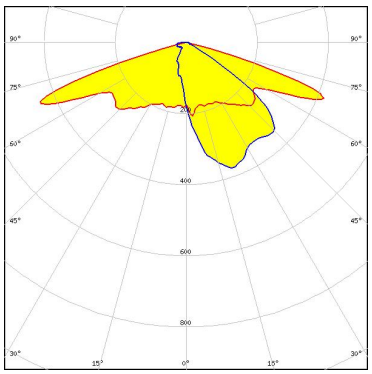
CREE LEDs

| | |
|---|---|
| LED | CMA1303 |
| FWHM / FWTM | Asymmetric |
| Efficiency | 86 % |
| Peak intensity | 0.8 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |
| Bender Wirth: 448 Typ 2x2MX HV | |



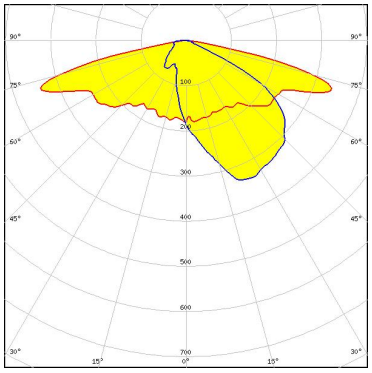
CREE LEDs

| | |
|---|---|
| LED | MHB-A/B |
| FWHM / FWTM | Asymmetric |
| Efficiency | 88 % |
| Peak intensity | 0.8 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



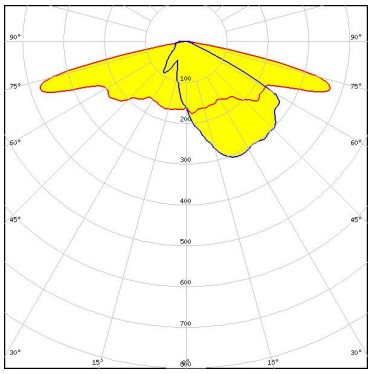
CREE LEDs

| | |
|---|---|
| LED | MHD-E/G |
| FWHM / FWTM | Asymmetric |
| Efficiency | 89 % |
| Peak intensity | 0.5 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



CREE LEDs

| | |
|---|---|
| LED | XHP70 |
| FWHM / FWTM | Asymmetric |
| Efficiency | 88 % |
| Peak intensity | 0.6 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |

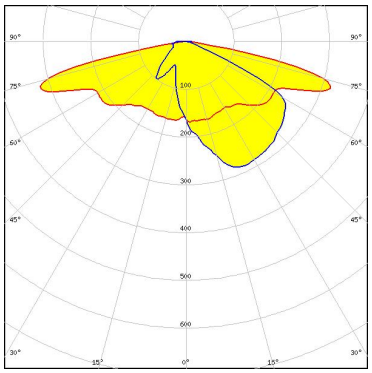



LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

## OPTICAL RESULTS (SIMULATED):

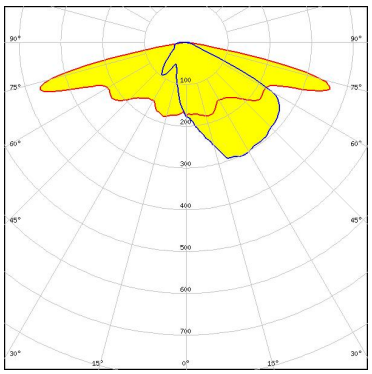
CREE LEDs

| | |
|---|---|
| LED | XHP70.2 |
| FWHM / FWTM | Asymmetric |
| Efficiency | 84 % |
| Peak intensity | 0.5 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



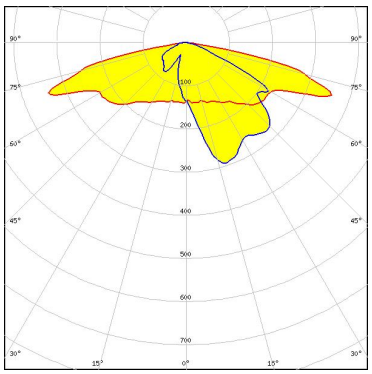
CREE LEDs

| | |
|---|---|
| LED | XHP70.3 HD |
| FWHM / FWTM | Asymmetric |
| Efficiency | 88 % |
| Peak intensity | 0.6 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



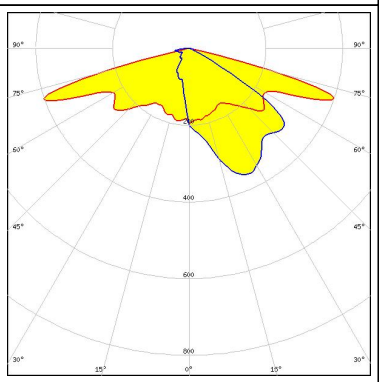
CREE LEDs

| | |
|---|---|
| LED | XP-G3 |
| FWHM / FWTM | Asymmetric |
| Efficiency | 85 % |
| Peak intensity | 0.5 cd/lm |
| LEDs/each optic | 4 |
| Light colour | White |
| Required components: | |



LUMILEDS

| | |
|---|---|
| LED | LUXEON 5050 Round LES |
| FWHM / FWTM | Asymmetric |
| Efficiency | 86 % |
| Peak intensity | 0.7 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |

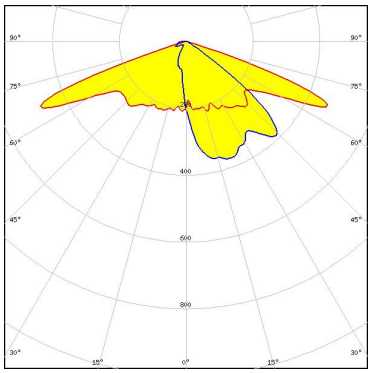



LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

## OPTICAL RESULTS (SIMULATED):

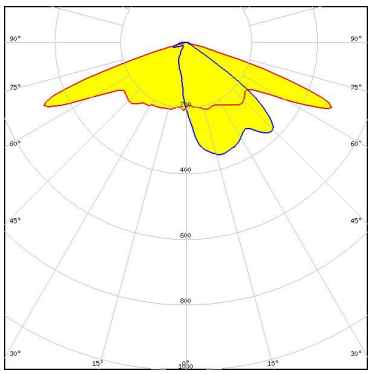
LUMILEDS

| | |
|---|---|
| LED | LUXEON 5050 Round LES |
| FWHM / FWTM | Asymmetric |
| Efficiency | 88 % |
| Peak intensity | 0.9 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



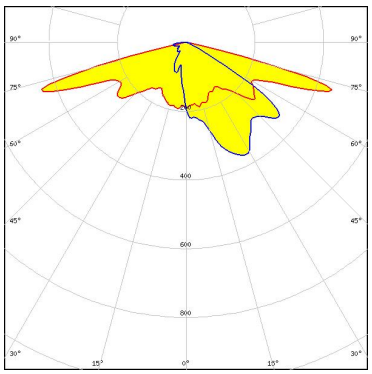
NICHIA

| | |
|---|---|
| LED | NFMW48xA |
| FWHM / FWTM | Asymmetric |
| Efficiency | 89 % |
| Peak intensity | 0.9 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



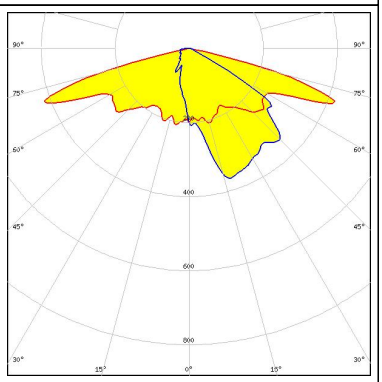
NICHIA

| | |
|---|---|
| LED | NV4WB35AM |
| FWHM / FWTM | Asymmetric |
| Efficiency | 88 % |
| Peak intensity | 0.8 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



OSRAM
Opto Semiconductors

| | |
|---|---|
| LED | OSCONIQ C 2424 |
| FWHM / FWTM | Asymmetric |
| Efficiency | 90 % |
| Peak intensity | 0.7 cd/lm |
| LEDs/each optic | 4 |
| Light colour | White |
| Required components: | |




LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

## 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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

## 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.

## PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

**LEDiL Oy**
Joensuunkatu 13
FI-24240 SALO
Finland

**LEDiL Inc.**
228 West Page Street
Suite D
Sycamore IL 60178
USA

**Ledil Optics Technology (Shenzhen) Co., Ltd.**
# 405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

**Local sales and technical support**
www.ledil.com/
where_to_buy

**Shipping locations**
Salo, Finland
Hong Kong, China

**Distribution Partners**
www.ledil.com/
where_to_buy


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.