# VERONICA-RS

**~12° spot beam**

## TECHNICAL SPECIFICATIONS:

| | |
|---|---|
| Dimensions | Ø 26.0 mm |
| Height | 12.2 mm |
| Fastening | glue, pin |
| Colour | clear |
| Box size | 480 x 280 x 300 mm |
| Box weight | 10.1 kg |
| Quantity in Box | 1980 pcs |
| ROHS compliant | yes |

## MATERIAL SPECIFICATIONS:

| Component | Type | Material | Colour |
|---|---|---|---|
| VERONICA-RS | Single lens | PMMA | clear |


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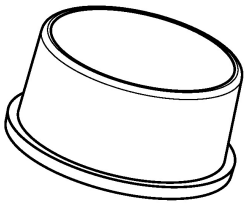
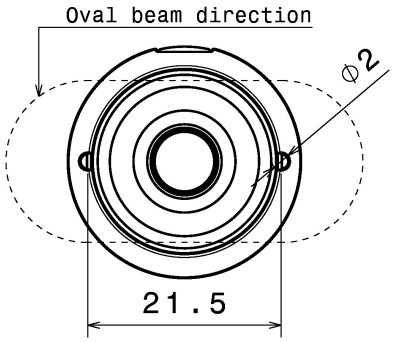
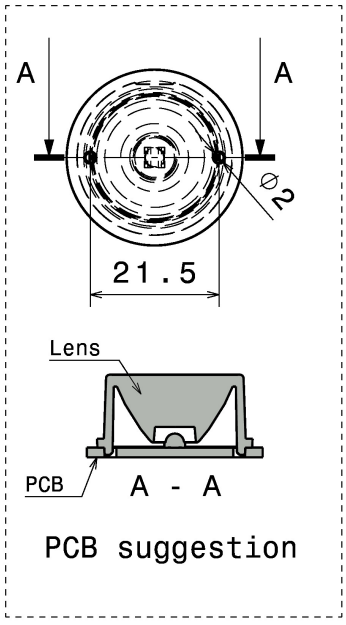


Isometric view

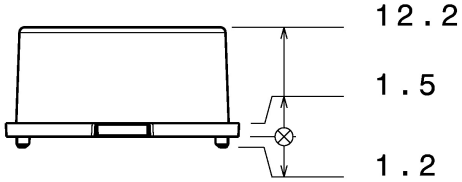
Bottom view



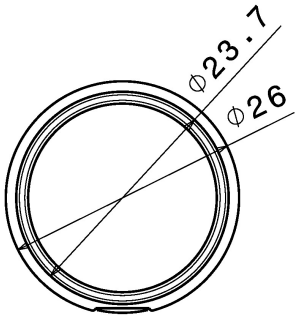




PCB suggestion

Front view




Top view




| INDEX | PART NO | DESCRIPTION | MATERIAL | COLOUR |
|---|---|---|---|---|
| 1 | - | VERONICA | PMMA | |

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

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
VERONICA SERIES

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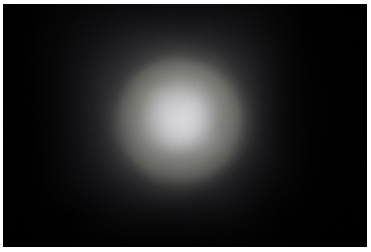
SIZE A4 | PART NUMBER -

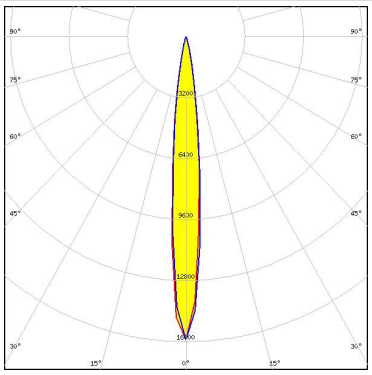
SCALE 1:1 | WEIGHT | SHEET 1/1

## PHOTOMETRIC DATA (MEASURED):

CREE

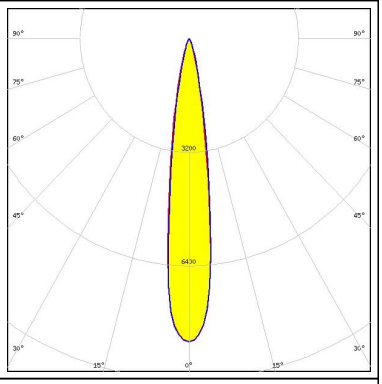
| | |
|---|---|
| LED | XB-H |
| FWHM | 11.0° |
| Efficiency | 89 % |
| Peak intensity | 15.900 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |





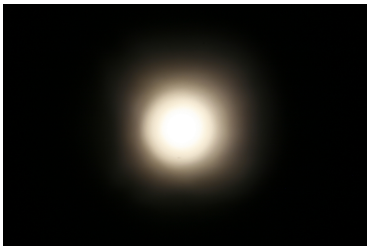
CREE

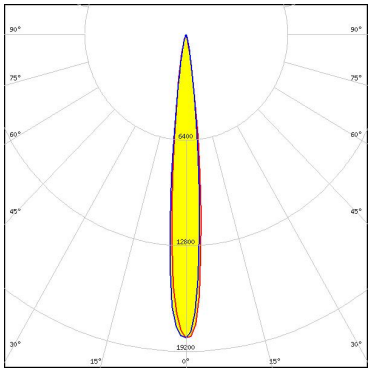
| | |
|---|---|
| LED | XM-L2 |
| FWHM | 16.0° |
| Efficiency | 90 % |
| Peak intensity | 8.500 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



CREE

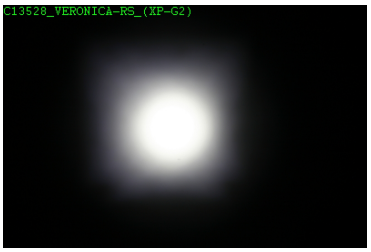
| | |
|---|---|
| LED | XP-G |
| FWHM | 12.0° |
| Efficiency | 90 % |
| Peak intensity | 18.400 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |

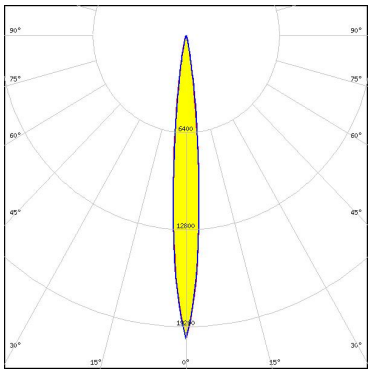




CREE

| | |
|---|---|
| LED | XP-G2 |
| FWHM | 10.0° |
| Efficiency | 90 % |
| Peak intensity | 19.000 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |

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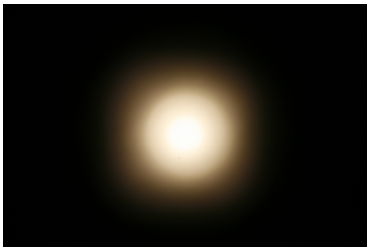
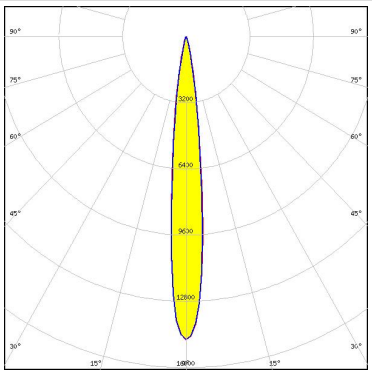
## PHOTOMETRIC DATA (MEASURED):

LUMILEDS

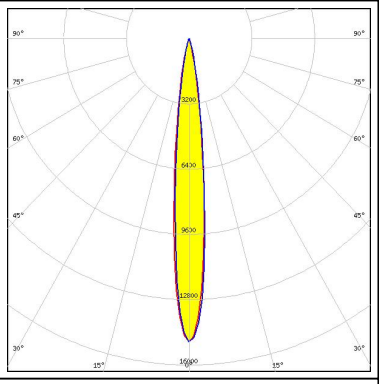
| | |
|---|---|
| LED | LUXEON A |
| FWHM | 13.0° |
| Efficiency | 89 % |
| Peak intensity | 14.700 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |





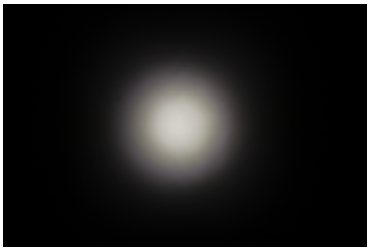
LUMILEDS

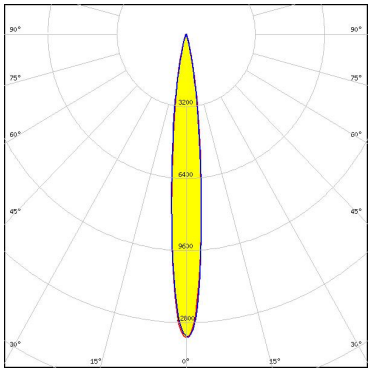
| | |
|---|---|
| LED | LUXEON Rebel |
| FWHM | 12.0° |
| Efficiency | 88 % |
| Peak intensity | 14.900 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



LUMILEDS

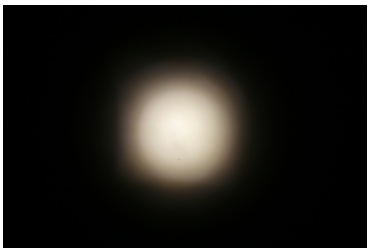
| | |
|---|---|
| LED | LUXEON V2 |
| FWHM | 12.0° |
| Efficiency | 94 % |
| Peak intensity | 13.500 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |

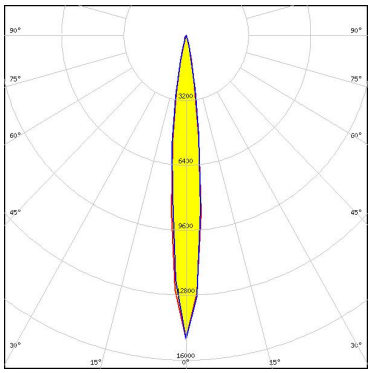




NICHIA

| | |
|---|---|
| LED | NCSxx19A |
| FWHM | 13.0° |
| Efficiency | 86 % |
| Peak intensity | 15.000 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



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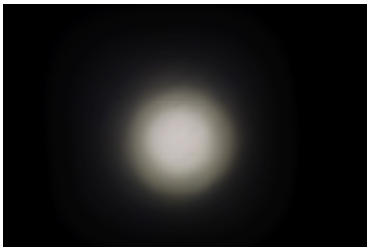
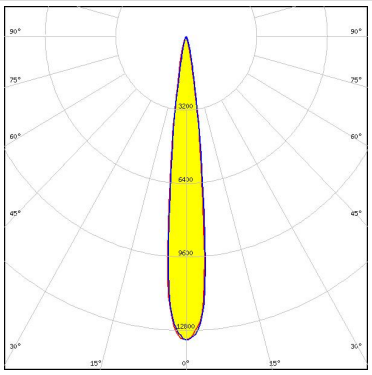
## PHOTOMETRIC DATA (MEASURED):

NICHIA

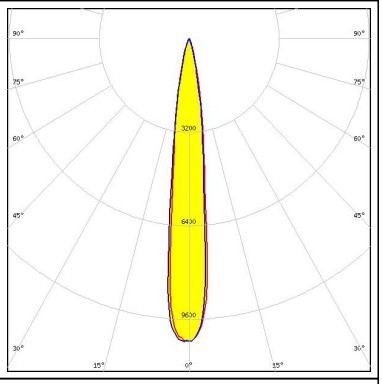
| | |
|---|---|
| LED | NVSW219F |
| FWHM | 13.0° |
| Efficiency | 94 % |
| Peak intensity | 13.300 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |





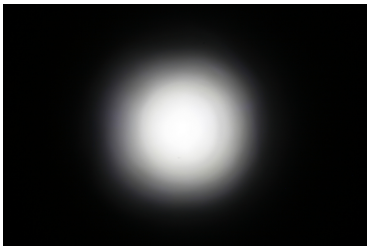
NICHIA

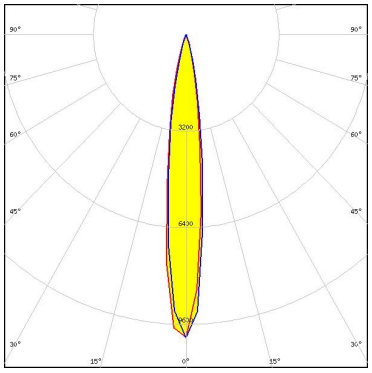
| | |
|---|---|
| LED | NVSW3x9A |
| FWHM | 13.0° |
| Efficiency | 89 % |
| Peak intensity | 10.300 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



NICHIA

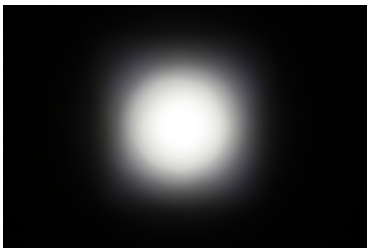
| | |
|---|---|
| LED | NVSxx19A |
| FWHM | 14.0° |
| Efficiency | 85 % |
| Peak intensity | 10.000 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |

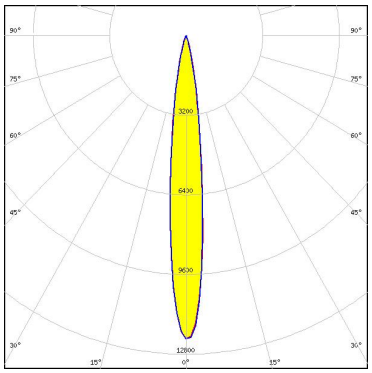




NICHIA

| | |
|---|---|
| LED | NVSxx19B/NVSxx19C |
| FWHM | 13.0° |
| Efficiency | 87 % |
| Peak intensity | 12.200 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



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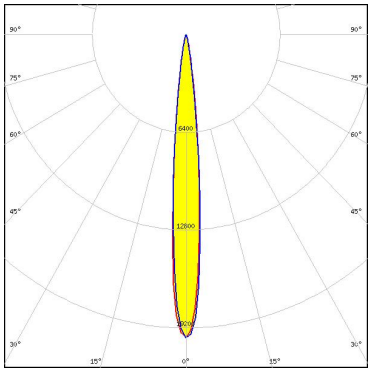
## PHOTOMETRIC DATA (MEASURED):

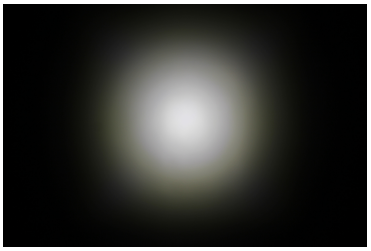
SAMSUNG

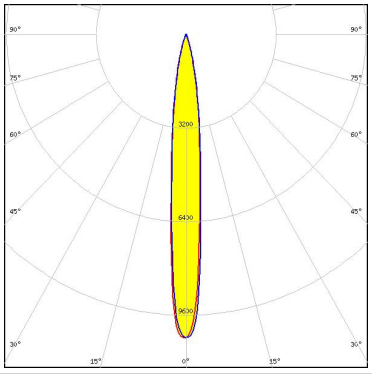
| | |
|---|---|
| LED | LH351Z |
| FWHM | 11.0° |
| Efficiency | 89 % |
| Peak intensity | 19.900 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



SEOUL SEMICONDUCTOR

| | |
|---|---|
| LED | Z8Y22P |
| FWHM | 11.0° |
| Efficiency | 87 % |
| Peak intensity | 10.400 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



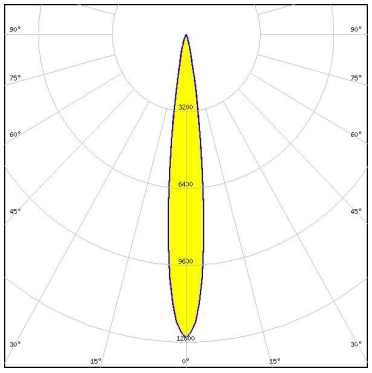


## PHOTOMETRIC DATA (SIMULATED):

CREE

| | |
|---|---|
| LED | XP-G2 HE |
| FWHM | 14.0° |
| Efficiency | 97 % |
| Peak intensity | 12.620 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

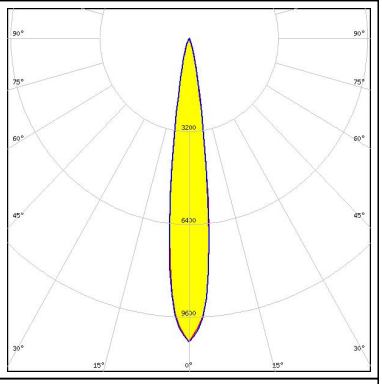
Required components:



OSRAM
Opto Semiconductors

| | |
|---|---|
| LED | OSCONIQ P 3737 (3W version) |
| FWHM | 15.0° |
| Efficiency | 94 % |
| Peak intensity | 10.450 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

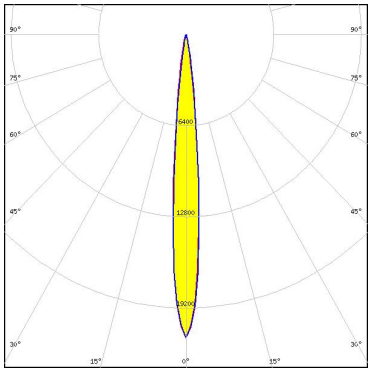
Required components:



OSRAM
Opto Semiconductors

| | |
|---|---|
| LED | OSLON Square CSSRM2/CSSRM3 |
| FWHM | 9.9° |
| Efficiency | 94 % |
| Peak intensity | 21.300 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:



SAMSUNG

| | |
|---|---|
| LED | LH351B |
| FWHM | 12.0° |
| Efficiency | % |
| Peak intensity | cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components: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## 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.

## 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.

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Hong Kong, China

**Distribution Partners**
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