# ANGIE-M2

**~25° medium beam**

## TECHNICAL SPECIFICATIONS:

| | |
|---|---|
| Dimensions | Ø 34.0 mm |
| Height | 10.7 mm |
| Fastening | glue, pin |
| Colour | clear |
| Box size | 480 x 280 x 300 mm |
| Box weight | 8.3 kg |
| Quantity in Box | 1254 pcs |
| ROHS compliant | yes |

## MATERIAL SPECIFICATIONS:

| Component | Type | Material | Colour |
|---|---|---|---|
| ANGIE-M2 | Multi-lens | PMMA | clear |


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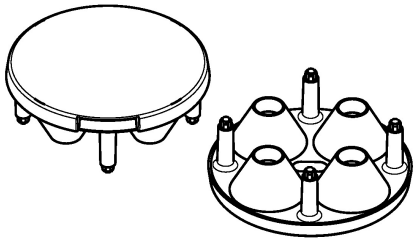
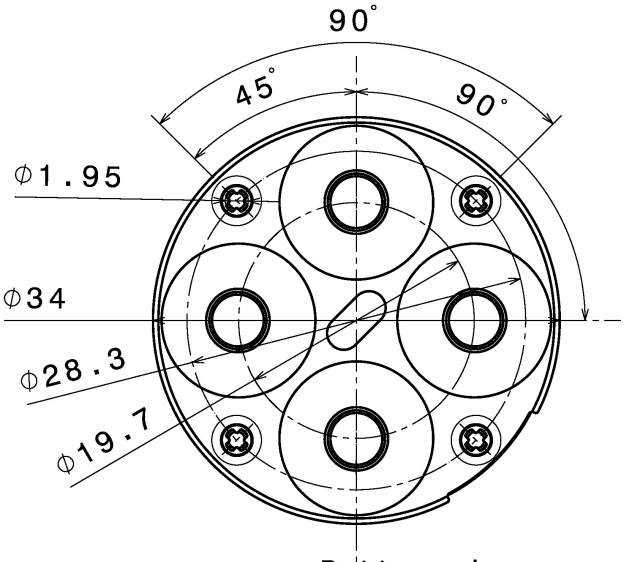
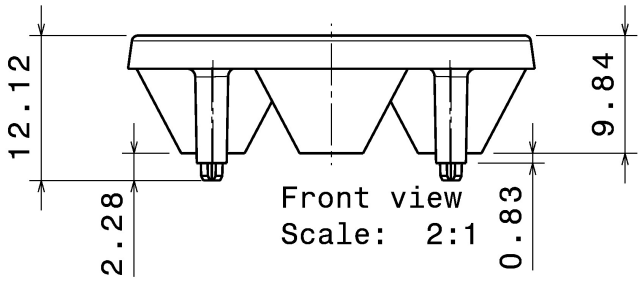
| DATE |
| --- |
| 25.06.2018 |



Isometric view
Scale: 1:1




Bottom view
Scale: 2:1




Front view
Scale: 2:1

| PART | TYPE | MATERIAL | COLOR / COATING |
| --- | --- | --- | --- |
| C12287_ANGIE-M2 | LENS | PMMA | CLEAR |

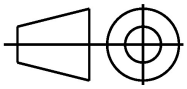
**MECHANICAL DRAWING**

PRODUCT ANGIE

LEDiL®

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.

FIRST ANGLE PROJECTION:



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SCALE 2:1 | WEIGHT - | A4 SHEET 1/1

## PHOTOMETRIC DATA (MEASURED):

CREE

| | |
|---|---|
| LED | XP-E |
| FWHM | 31.0° |
| Efficiency | 91 % |
| Peak intensity | 2.370 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:

CREE

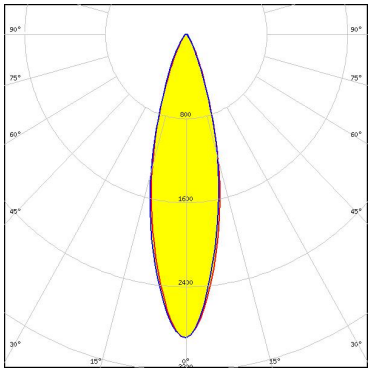
| | |
|---|---|
| LED | XP-G |
| FWHM | 31.0° |
| Efficiency | 89 % |
| Peak intensity | 2.370 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:

LUMILEDS

| | |
|---|---|
| LED | LUXEON T |
| FWHM | 27.0° |
| Efficiency | 88 % |
| Peak intensity | 2.900 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

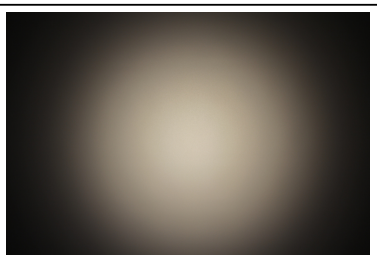
Required components:

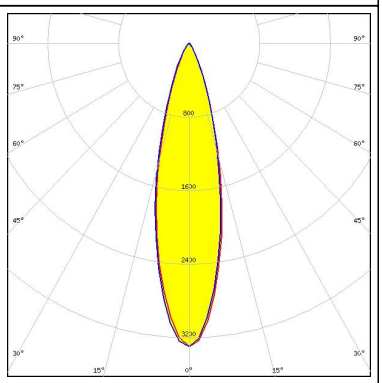


LUMILEDS

| | |
|---|---|
| LED | LUXEON TX |
| FWHM | 26.0° |
| Efficiency | 88 % |
| Peak intensity | 3.300 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:



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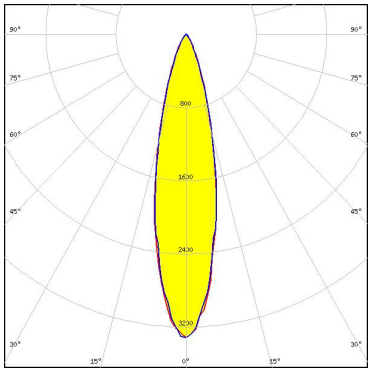
## PHOTOMETRIC DATA (MEASURED):

OSRAM Opto Semiconductors

| | |
|---|---|
| LED | Oslon Square EC |
| FWHM | 24.0° |
| Efficiency | 86 % |
| Peak intensity | 3.300 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:



OSRAM Opto Semiconductors

| | |
|---|---|
| LED | Oslon SSL 150 |
| FWHM | 25.0° |
| Efficiency | 90 % |
| Peak intensity | 3.700 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:

OSRAM Opto Semiconductors

| | |
|---|---|
| LED | Oslon SSL 80 |
| FWHM | 20.0° |
| Efficiency | 86 % |
| Peak intensity | 4.600 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components: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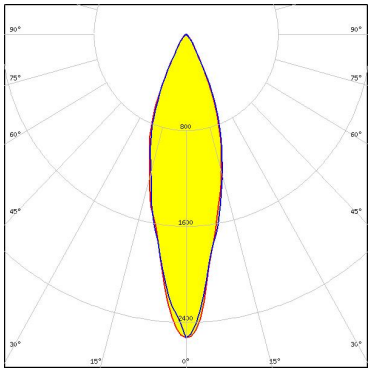
## PHOTOMETRIC DATA (SIMULATED):

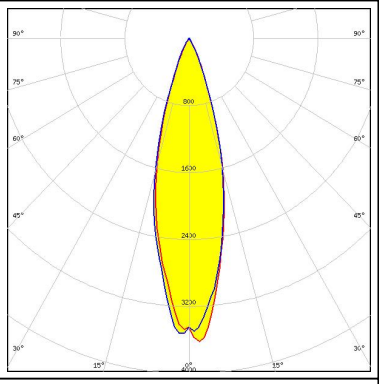
CREE

| | |
|---|---|
| LED | XP-L HD |
| FWHM | 28.0° |
| Efficiency | 90 % |
| Peak intensity | 2.500 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



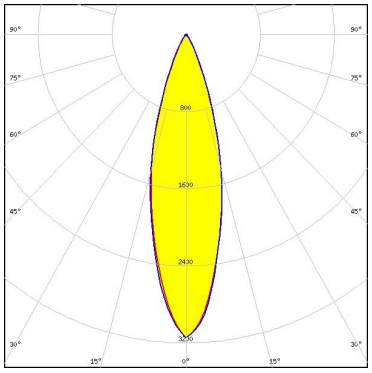
LUMILEDS

| | |
|---|---|
| LED | LUXEON H50-2 |
| FWHM | 26.0° |
| Efficiency | 93 % |
| Peak intensity | 3.700 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



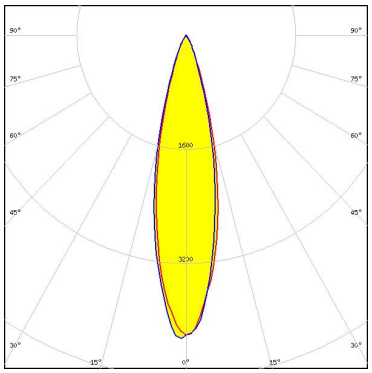
NICHIA

| | |
|---|---|
| LED | NVSxx19B/NVSxx19C |
| FWHM | 28.0° |
| Efficiency | 92 % |
| Peak intensity | 3.110 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



SEOUL SEMICONDUCTOR

| | |
|---|---|
| LED | Z5M1/Z5M2 |
| FWHM | 24.0° |
| Efficiency | 92 % |
| Peak intensity | 4.330 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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