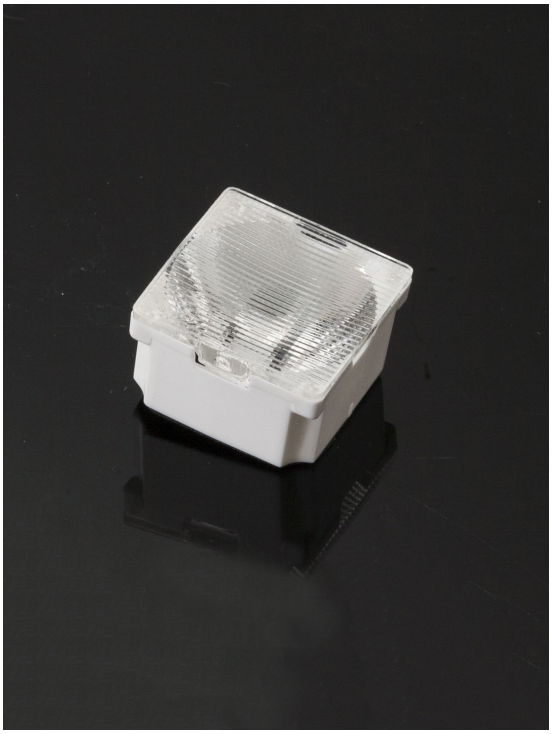
# G2-LAURA-O-P

**~40° x 13° oval beam. Assembly with thinner white holder, installation tape and location pins.**



## TECHNICAL SPECIFICATIONS:

| | |
|---|---|
| Dimensions | 21.6 x 21.6 mm |
| Height | 13.1 mm |
| Fastening | tape, pin |
| Colour | white |
| Box size | 451 x 254 x 152 mm |
| Box weight | 6 kg |
| Quantity in Box | 1440 pcs |
| ROHS compliant | yes |

## MATERIAL SPECIFICATIONS:

| Component | Type | Material | Colour |
|---|---|---|---|
| LAURA-O | Lens | PMMA | clear |
| LAURA-LT-PIN-XP-HLD-WHT | Holder | PC | white |
| ROSE-TAPE | Tape | PU tape | black |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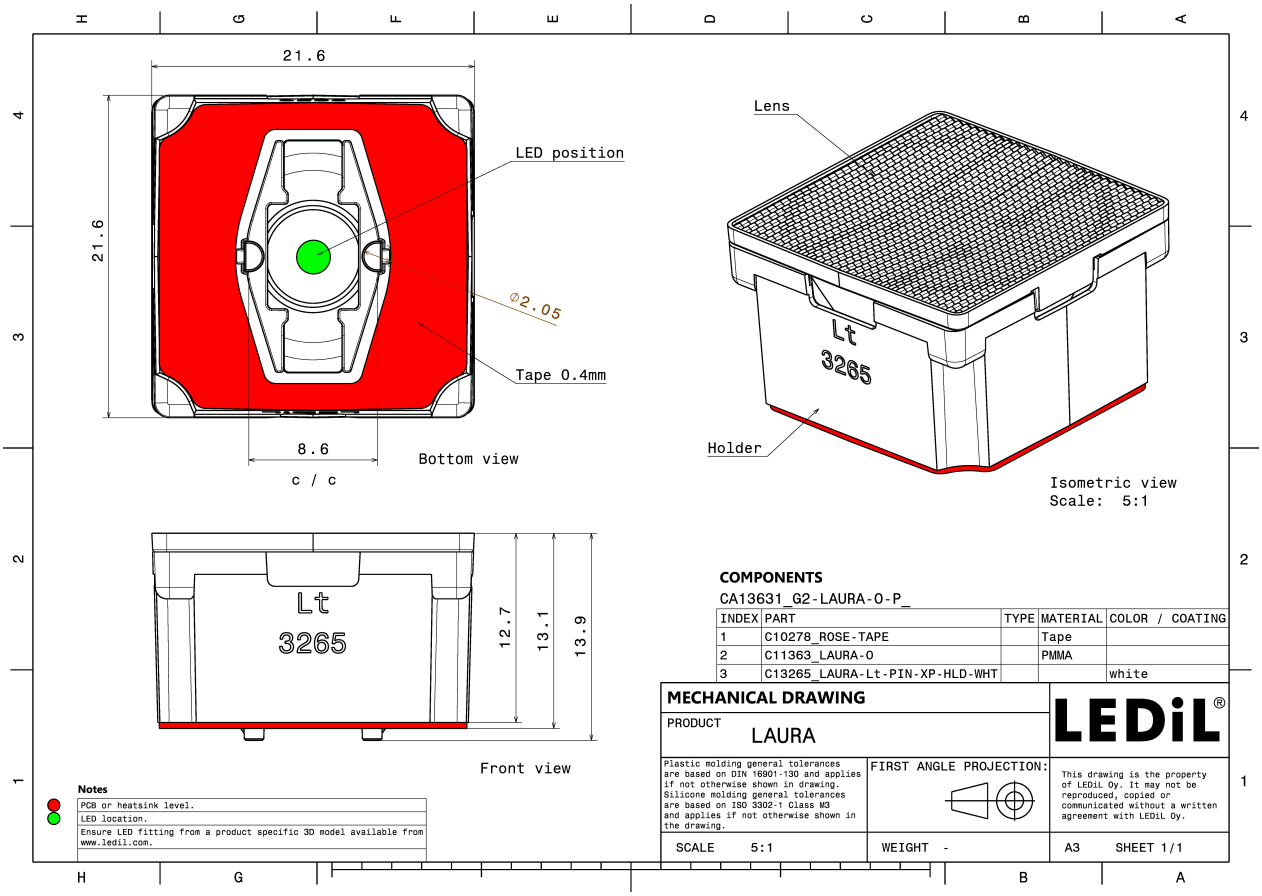


**COMPONENTS**

CA13631_G2-LAURA-O-P_

| INDEX | PART | TYPE | MATERIAL | COLOR / COATING |
|---|---|---|---|---|
| 1 | C10278_ROSE-TAPE | | Tape | |
| 2 | C11363_LAURA-O | | PMMA | |
| 3 | C13265_LAURA-Lt-PIN-XP-HLD-WHT | | | white |

**MECHANICAL DRAWING**

PRODUCT: LAURA

Plastic molding general tolerances are based on DIN 16901-130 and applies if not otherwise shown in drawing. Silicone molding general tolerances are based on ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:

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SCALE 5:1 | WEIGHT - | A3 SHEET 1/1



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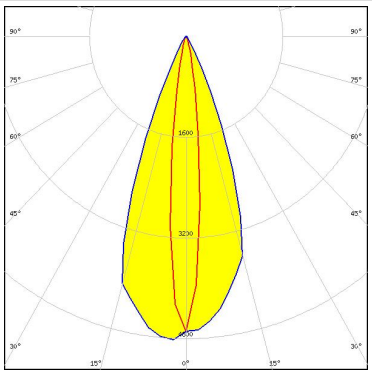
## PHOTOMETRIC DATA (MEASURED):

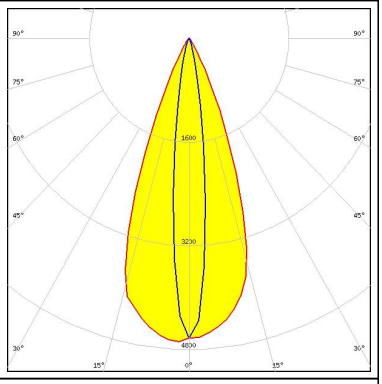
CREE

| | |
|---|---|
| LED | XB-D |
| FWHM | 41.0 + 13.0° |
| Efficiency | 86 % |
| Peak intensity | 4.800 cd/lm |
| Required components: | |



CREE

| | |
|---|---|
| LED | XB-H |
| FWHM | 41.0 + 13.0° |
| Efficiency | 87 % |
| Peak intensity | 4.600 cd/lm |
| Required components: | |

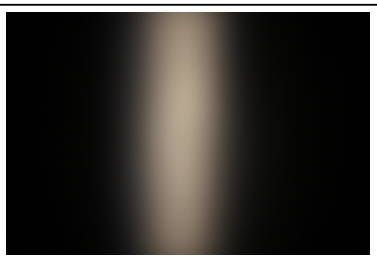


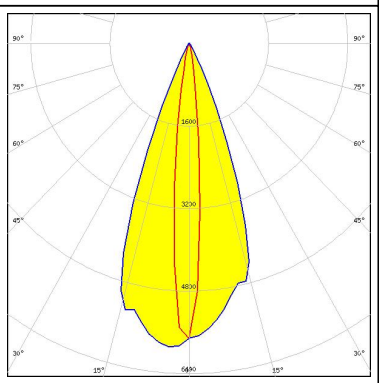
CREE

| | |
|---|---|
| LED | XP-E |
| FWHM | 40.0 + 13.0° |
| Efficiency | 91 % |
| Peak intensity | 4.800 cd/lm |
| Required components: | |

CREE

| | |
|---|---|
| LED | XP-E2 |
| FWHM | 41.0 + 11.0° |
| Efficiency | 88 % |
| Peak intensity | 5.800 cd/lm |
| Required components: | |



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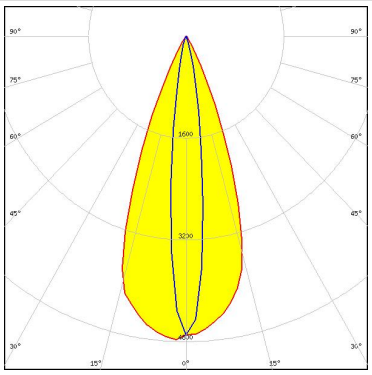
## PHOTOMETRIC DATA (MEASURED):

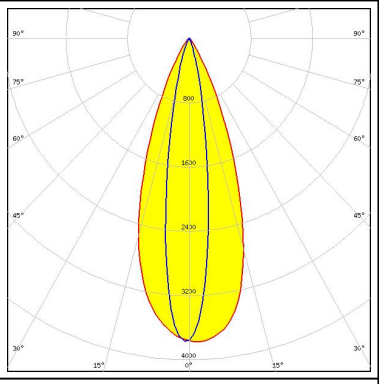
CREE

| | |
|---|---|
| LED | XP-G2 |
| FWHM | 41.0 + 14.0° |
| Efficiency | 87 % |
| Peak intensity | 4.800 cd/lm |
| Required components: | |



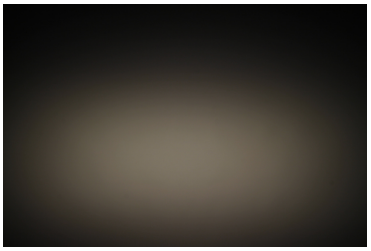
CREE

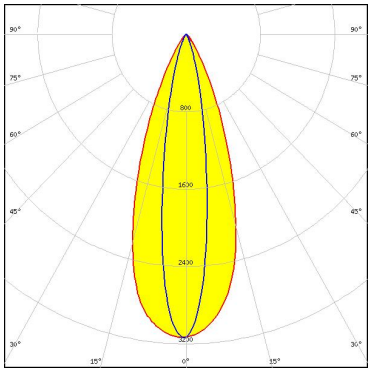
| | |
|---|---|
| LED | XP-L |
| FWHM | 38.0 + 16.0° |
| Efficiency | 89 % |
| Peak intensity | 3.760 cd/lm |
| Required components: | |



CREE

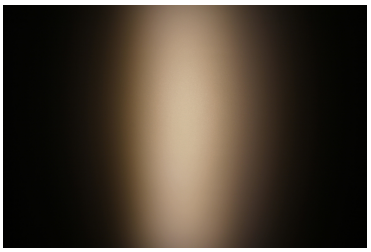
| | |
|---|---|
| LED | XP-L2 |
| FWHM | 38.0 + 17.0° |
| Efficiency | 84 % |
| Peak intensity | 3.100 cd/lm |
| Required components: | |

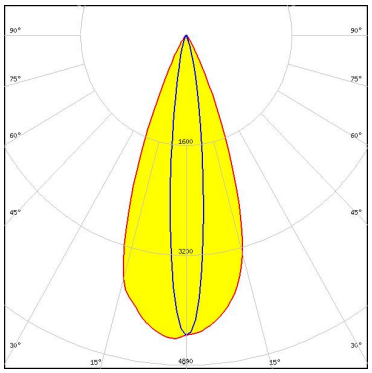




CREE

| | |
|---|---|
| LED | XT-E |
| FWHM | 40.0 + 14.0° |
| Efficiency | 87 % |
| Peak intensity | 4.400 cd/lm |
| Required components: | |



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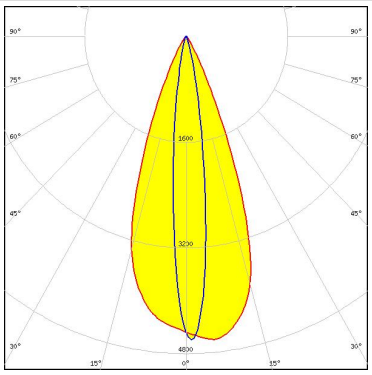
## PHOTOMETRIC DATA (MEASURED):

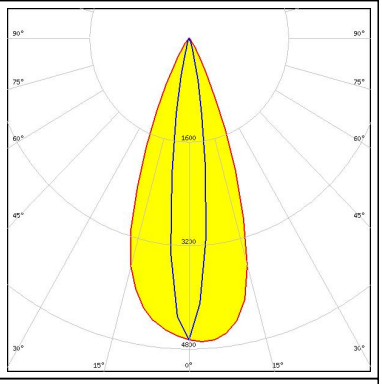
LUMILEDS

| | |
|---|---|
| LED | LUXEON 3030 2D |
| FWHM | 40.0 + 13.0° |
| Efficiency | 88 % |
| Peak intensity | 4.700 cd/lm |
| Required components: | |



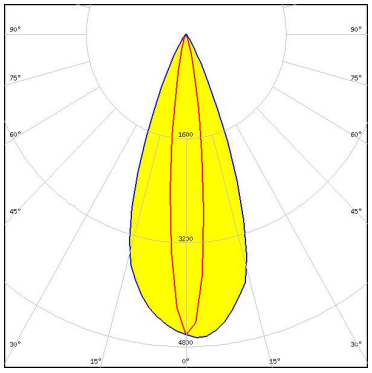
LUMILEDS

| | |
|---|---|
| LED | LUXEON T |
| FWHM | 40.0 + 15.0° |
| Efficiency | 90 % |
| Peak intensity | 4.700 cd/lm |
| Required components: | |



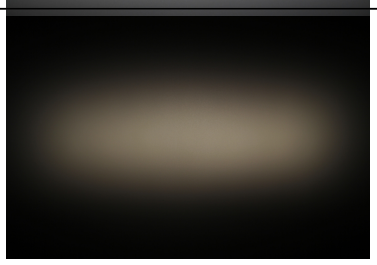
LUMILEDS

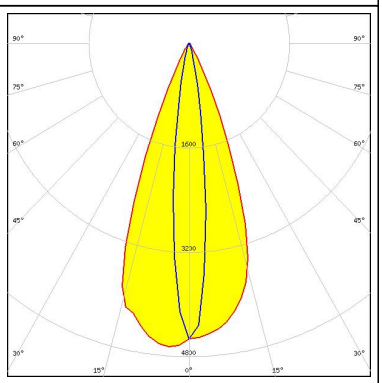
| | |
|---|---|
| LED | LUXEON TX |
| FWHM | 41.0 + 14.0° |
| Efficiency | 87 % |
| Peak intensity | 4.600 cd/lm |
| Required components: | |



NICHIA

| | |
|---|---|
| LED | NCSxx19A |
| FWHM | 41.0 + 13.0° |
| Efficiency | 87 % |
| Peak intensity | 4.700 cd/lm |
| Required components: | |



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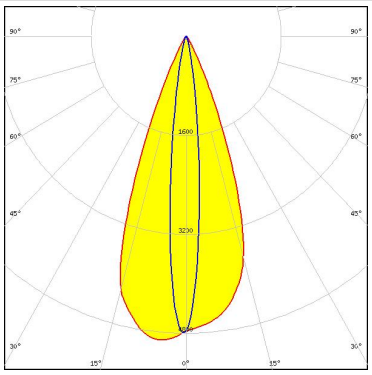
## PHOTOMETRIC DATA (MEASURED):

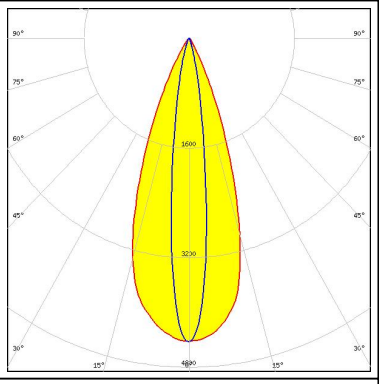
NICHIA

| | |
|---|---|
| LED | NCSxx19B |
| FWHM | 40.0 + 12.0° |
| Efficiency | 87 % |
| Peak intensity | 4.900 cd/lm |
| Required components: | |



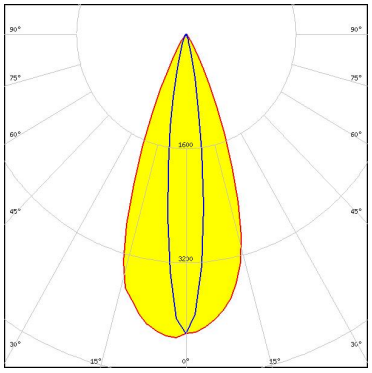
NICHIA

| | |
|---|---|
| LED | NVSW219D |
| FWHM | 38.0 + 14.0° |
| Efficiency | 94 % |
| Peak intensity | 4.400 cd/lm |
| Required components: | |



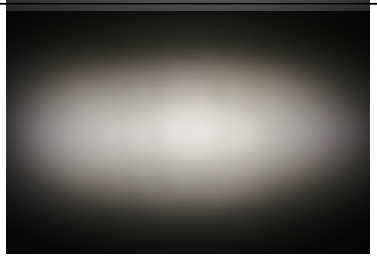
NICHIA

| | |
|---|---|
| LED | NVSxx19A |
| FWHM | 40.0 + 15.0° |
| Efficiency | 87 % |
| Peak intensity | 4.300 cd/lm |
| Required components: | |



NICHIA

| | |
|---|---|
| LED | NVSxx19B/NVSxx19C |
| FWHM | 37.0 + 12.0° |
| Efficiency | 89 % |
| Peak intensity | 5.300 cd/lm |
| Required components: | |

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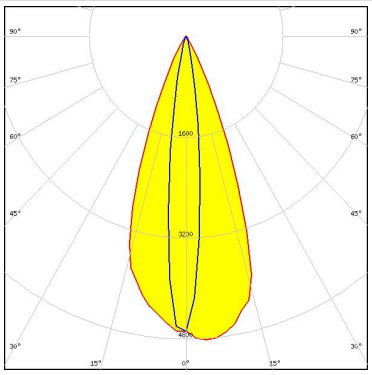
## PHOTOMETRIC DATA (MEASURED):

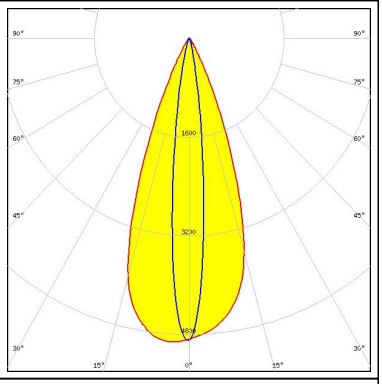
OSRAM Opto Semiconductors

| | |
|---|---|
| LED | Oslon Square EC |
| FWHM | 40.0 + 13.0° |
| Efficiency | 87 % |
| Peak intensity | 4.800 cd/lm |
| Required components: | |



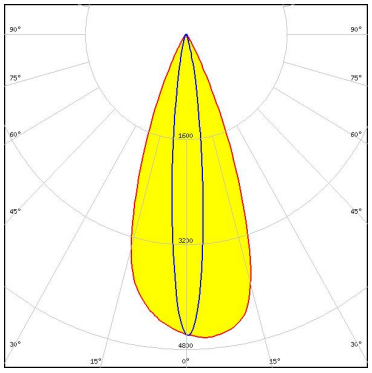
OSRAM Opto Semiconductors

| | |
|---|---|
| LED | Oslon Square Gen3 |
| FWHM | 39.0 + 12.0° |
| Efficiency | 94 % |
| Peak intensity | 4.900 cd/lm |
| Required components: | |



SEOUL SEMICONDUCTOR

| | |
|---|---|
| LED | Z5M1/Z5M2 |
| FWHM | 40.0 + 12.0° |
| Efficiency | 86 % |
| Peak intensity | 4.640 cd/lm |
| Required components: | |

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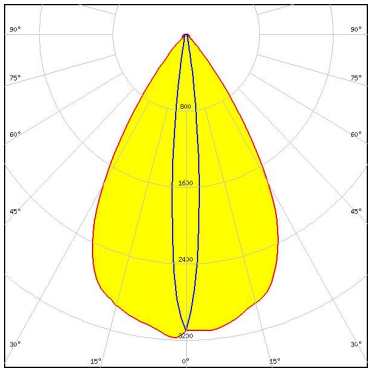
## PHOTOMETRIC DATA (SIMULATED):

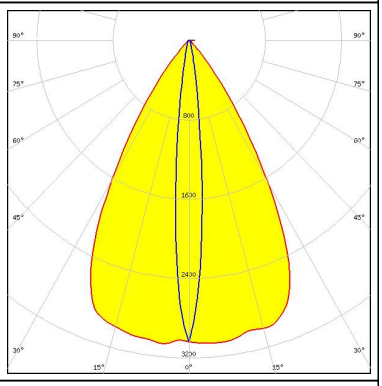
OSRAM
Opto Semiconductors

| | |
|---|---|
| LED | Oslon Black |
| FWHM | 62.0 + 10.0° |
| Efficiency | % |
| Peak intensity | 3.210 cd/lm |
| Required components: | |



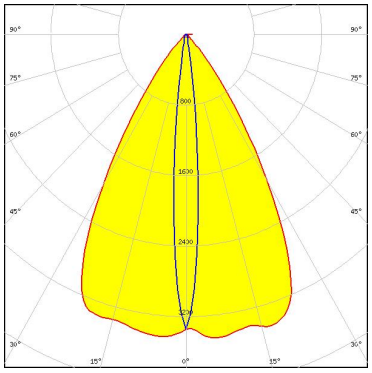
OSRAM
Opto Semiconductors

| | |
|---|---|
| LED | Oslon Square Flat |
| FWHM | 61.0 + 10.0° |
| Efficiency | 89 % |
| Peak intensity | 3.100 cd/lm |
| Required components: | |



OSRAM
Opto Semiconductors

| | |
|---|---|
| LED | Oslon SSL 150 |
| FWHM | 62.0 + 10.0° |
| Efficiency | 91 % |
| Peak intensity | 3.500 cd/lm |
| Required components: | |



OSRAM
Opto Semiconductors

| | |
|---|---|
| LED | SFH 4770S |
| FWHM | 63.0 + 11.0° |
| Efficiency | 88 % |
| Peak intensity | cd/lm |
| Required components: | |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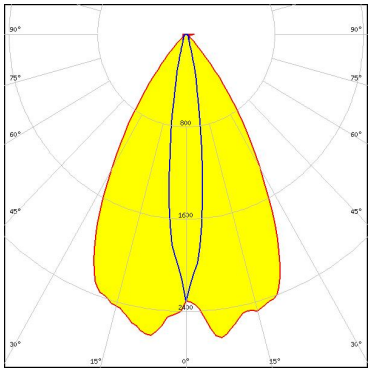
## PHOTOMETRIC DATA (SIMULATED):

SEOUL SEMICONDUCTOR

| | |
|---|---|
| LED | Z8Y22P |
| FWHM | 60.0 + 12.0° |
| Efficiency | 93 % |
| Peak intensity | 2.650 cd/lm |

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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