# LISA3-RS-PIN

**~15° spot beam with location pin installation**


## TECHNICAL SPECIFICATIONS:

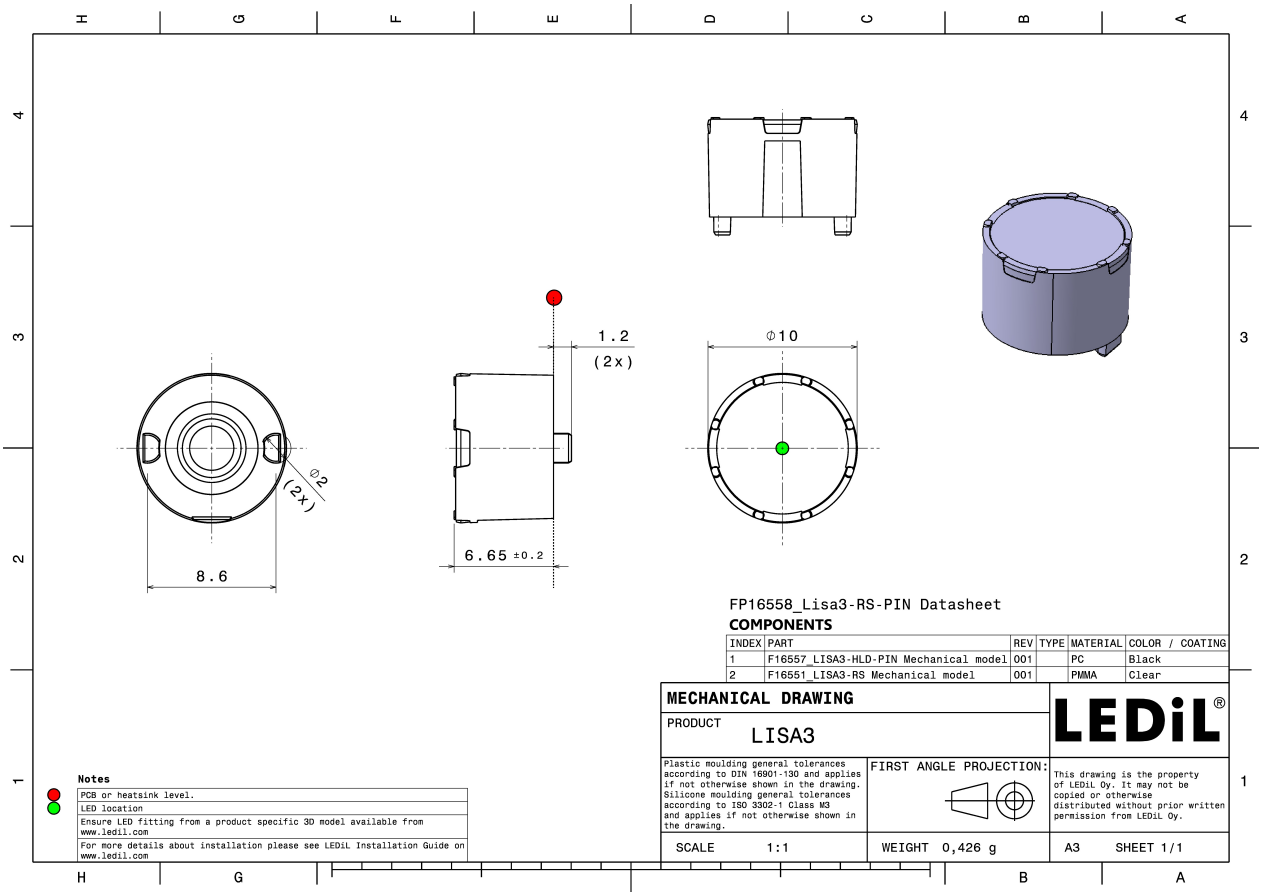
| | |
|---|---|
| Dimensions | Ø 10.0 mm |
| Height | 7.9 mm |
| Fastening | glue |
| ROHS compliant | yes |

## MATERIAL SPECIFICATIONS:

| Component | Type | Material | Colour | Finish |
|---|---|---|---|---|
| LISA3-RS | Single lens | PMMA | clear | |
| LISA3-HLD-PIN | Holder | PC | black | |

## ORDERING INFORMATION:

| Component | | Qty in box | MOQ | MPQ | Box weight (kg) |
|---|---|---|---|---|---|
| FP16558_LISA3-RS-PIN<br>» Box size: 310 x 230 x 60 mm | Single lens | 2000 | 300 | 100 | 1.3 |




FP16558_Lisa3-RS-PIN Datasheet

**COMPONENTS**

| INDEX | PART | REV | TYPE | MATERIAL | COLOR / COATING |
|---|---|---|---|---|---|
| 1 | F16557_LISA3-HLD-PIN Mechanical model | 001 | | PC | Black |
| 2 | F16551_LISA3-RS Mechanical model | 001 | | PMMA | Clear |

**MECHANICAL DRAWING**

PRODUCT LISA3

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:



SCALE 1:1 | WEIGHT 0,426 g | A3 SHEET 1/1

**Notes**

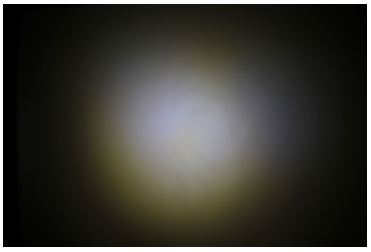
| |
|---|
| PCB or heatsink level. |
| LED location |
| Ensure LED fitting from a product specific 3D model available from www.ledil.com |
| For more details about installation please see LEDiL Installation Guide on www.ledil.com |

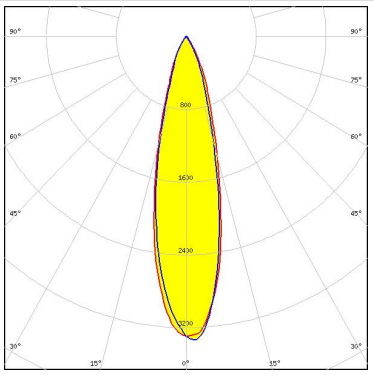
## PHOTOMETRIC DATA (MEASURED):

NICHIA

| | |
|---|---|
| LED | NF2x757G |
| FWHM | 25.0° |
| Efficiency | 88 % |
| Peak intensity | 3.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:

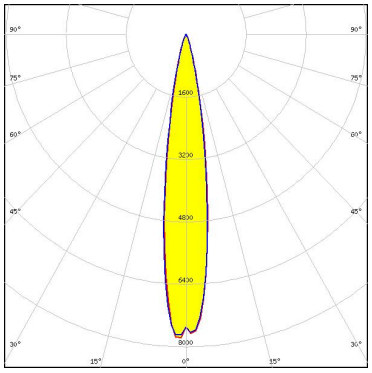




## PHOTOMETRIC DATA (SIMULATED):

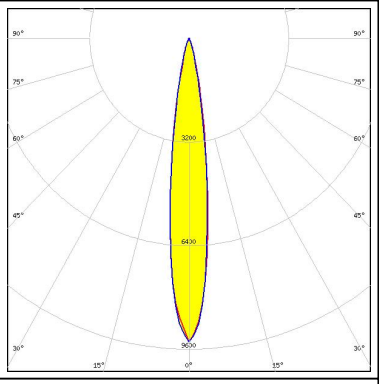
CREE

| | |
|---|---|
| LED | XP-E |
| FWHM | 15.0° |
| Efficiency | 90 % |
| Peak intensity | 8.5 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



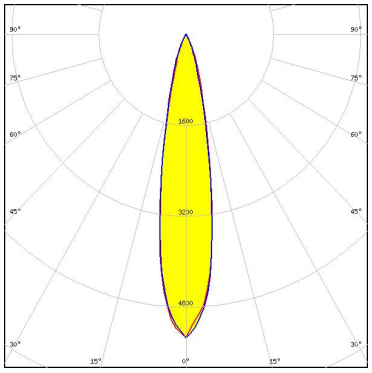
CREE

| | |
|---|---|
| LED | XP-E2 |
| FWHM | 14.3° |
| Efficiency | 89 % |
| Peak intensity | 9.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



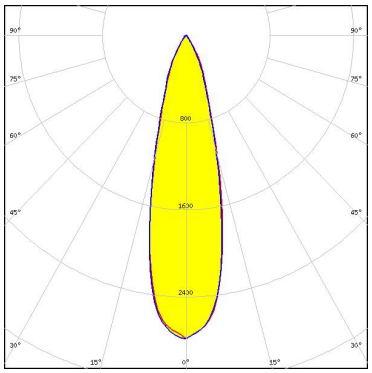
CREE

| | |
|---|---|
| LED | XP-G2 |
| FWHM | 20.0° |
| Efficiency | 89 % |
| Peak intensity | 5.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



CREE

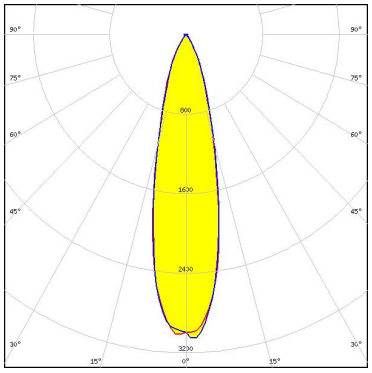
| | |
|---|---|
| LED | XP-G2 HE |
| FWHM | 27.0° |
| Efficiency | 86 % |
| Peak intensity | 2.8 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



## PHOTOMETRIC DATA (SIMULATED):

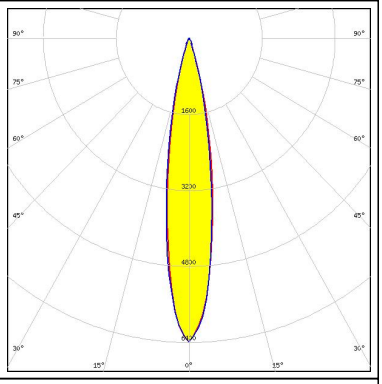
CREE

| | |
|---|---|
| LED | XP-G3 |
| FWHM | 26.0° |
| Efficiency | 86 % |
| Peak intensity | 3.1 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



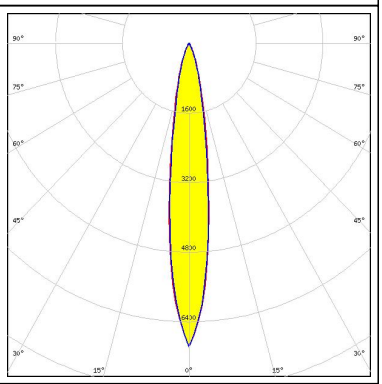
CREE

| | |
|---|---|
| LED | XQ-E HI |
| FWHM | 18.0° |
| Efficiency | 82 % |
| Peak intensity | 6.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



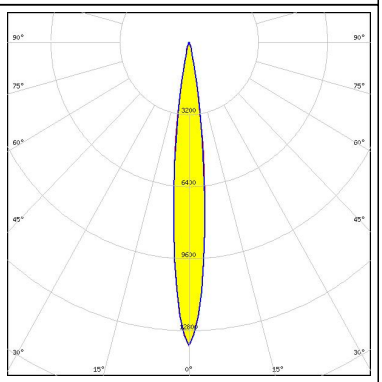
LUMILEDS

| | |
|---|---|
| LED | LUXEON 2835 Line |
| FWHM | 16.0° |
| Efficiency | 89 % |
| Peak intensity | 7 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



LUMILEDS

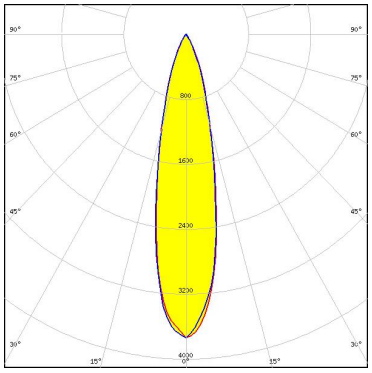
| | |
|---|---|
| LED | LUXEON CZ |
| FWHM | 12.0° |
| Efficiency | 90 % |
| Peak intensity | 13.5 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



## PHOTOMETRIC DATA (SIMULATED):

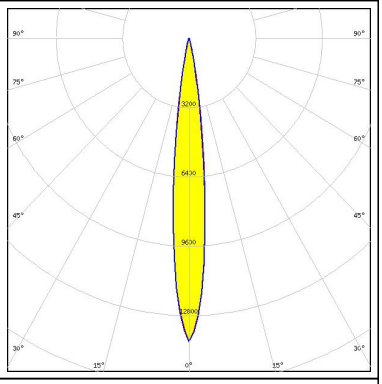
LUMILEDS

| | |
|---|---|
| LED | LUXEON V2 |
| FWHM | 22.0° |
| Efficiency | 90 % |
| Peak intensity | 3.8 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



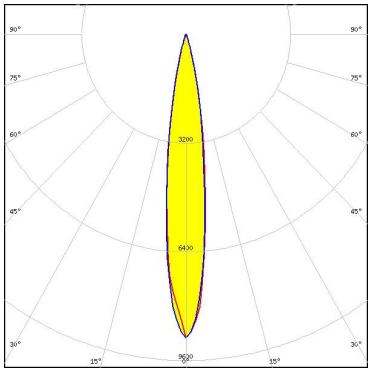
LUMILEDS

| | |
|---|---|
| LED | LUXEON Z |
| FWHM | 12.0° |
| Efficiency | 87 % |
| Peak intensity | 13.2 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



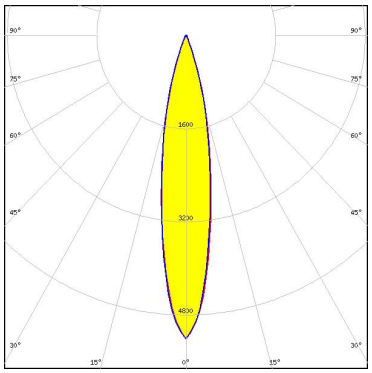
LUMILEDS

| | |
|---|---|
| LED | LUXEON Z ES |
| FWHM | 15.0° |
| Efficiency | 88 % |
| Peak intensity | 9 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



LUMINUS

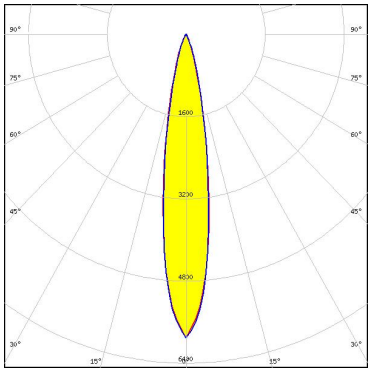
| | |
|---|---|
| LED | SST-20 |
| FWHM | 20.0° |
| Efficiency | 86 % |
| Peak intensity | 5.2 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



## PHOTOMETRIC DATA (SIMULATED):

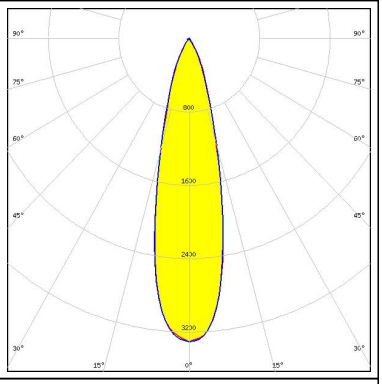
NICHIA

| | |
|---|---|
| LED | NCSxx19B |
| FWHM | 18.0° |
| Efficiency | 84 % |
| Peak intensity | 5.9 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



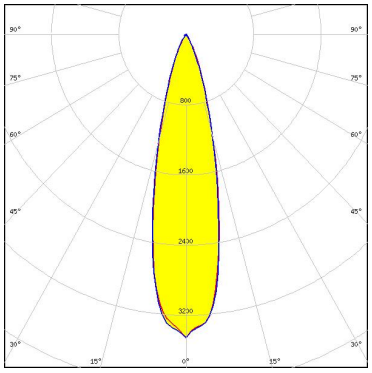
NICHIA

| | |
|---|---|
| LED | NVSW219F |
| FWHM | 26.0° |
| Efficiency | 88 % |
| Peak intensity | 3.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



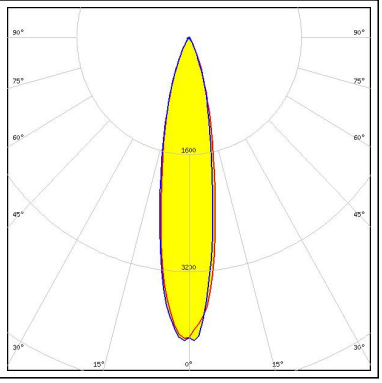
NICHIA

| | |
|---|---|
| LED | NVSxx19B/NVSxx19C |
| FWHM | 25.0° |
| Efficiency | 85 % |
| Peak intensity | 3.5 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



OSRAM
Opto Semiconductors

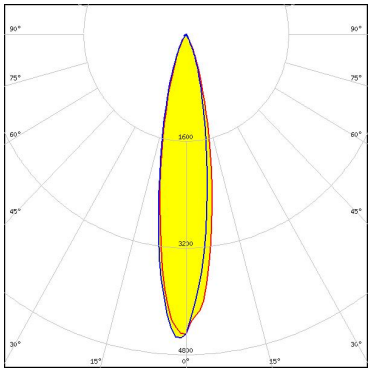
| | |
|---|---|
| LED | Duris S5 (2 chip) |
| FWHM | 20.0° |
| Efficiency | 87 % |
| Peak intensity | 7.1 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



## PHOTOMETRIC DATA (SIMULATED):

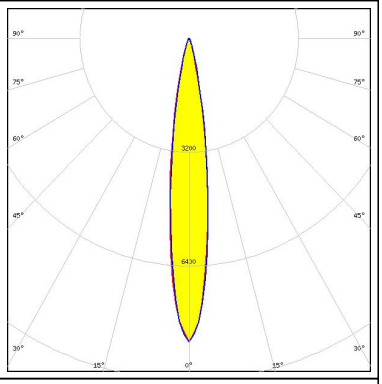
OSRAM Opto Semiconductors

| | |
|---|---|
| LED | Duris S5 (Single chip) |
| FWHM | 20.0° |
| Efficiency | 86 % |
| Peak intensity | 4.5 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



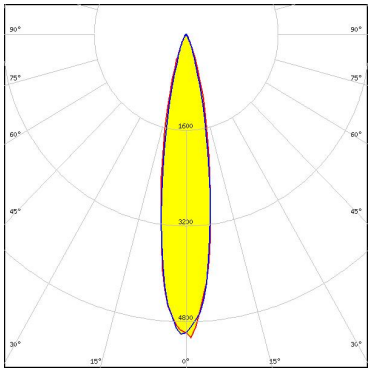
OSRAM Opto Semiconductors

| | |
|---|---|
| LED | OSCONIQ P 3030 |
| FWHM | 14.0° |
| Efficiency | 86 % |
| Peak intensity | 8.5 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



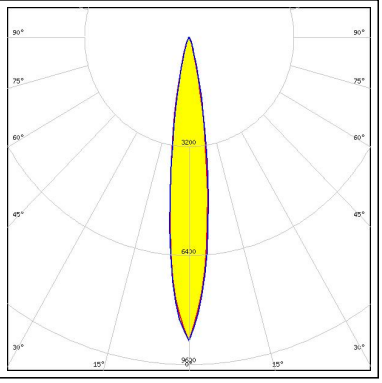
OSRAM Opto Semiconductors

| | |
|---|---|
| LED | OSCONIQ P 3737 (2W version) |
| FWHM | 20.0° |
| Efficiency | 88 % |
| Peak intensity | 5.1 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



OSRAM Opto Semiconductors

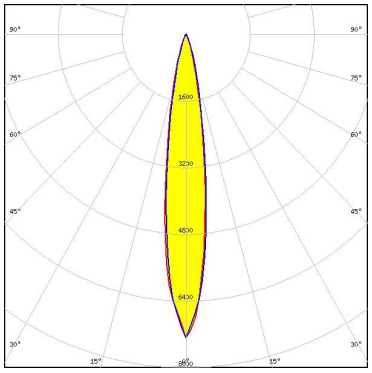
| | |
|---|---|
| LED | OSLON SSL 150 |
| FWHM | 14.5° |
| Efficiency | 88 % |
| Peak intensity | 8.7 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



## PHOTOMETRIC DATA (SIMULATED):

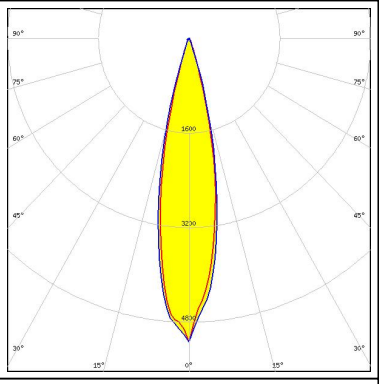
OSRAM
Opto Semiconductors

| | |
|---|---|
| LED | OSLON SSL 80 |
| FWHM | 15.0° |
| Efficiency | 87 % |
| Peak intensity | 7.6 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



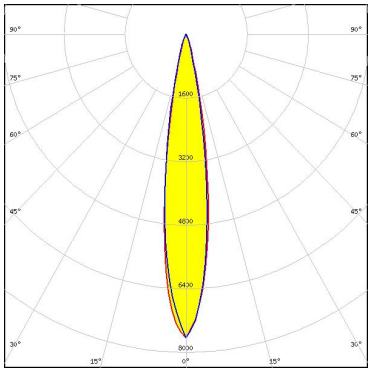
OSRAM
Opto Semiconductors

| | |
|---|---|
| LED | SFH 4715AS |
| FWHM | 22.0° |
| Efficiency | 86 % |
| LEDs/each optic | 1 |
| Light colour | IR |
| Required components: | |



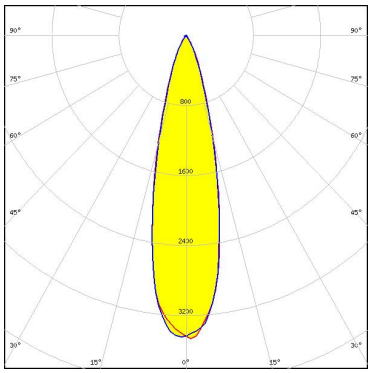
OSRAM
Opto Semiconductors

| | |
|---|---|
| LED | SFH 4716AS |
| FWHM | 17.0° |
| Efficiency | 87 % |
| LEDs/each optic | 1 |
| Light colour | IR |
| Required components: | |



SAMSUNG

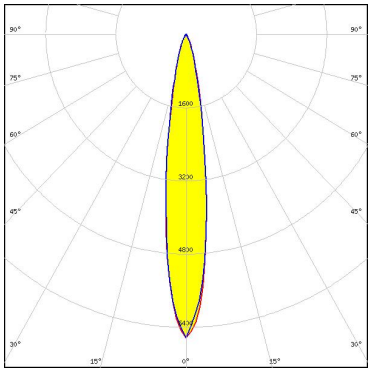
| | |
|---|---|
| LED | LH351B |
| FWHM | 26.0° |
| Efficiency | 88 % |
| Peak intensity | 3.5 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



## PHOTOMETRIC DATA (SIMULATED):

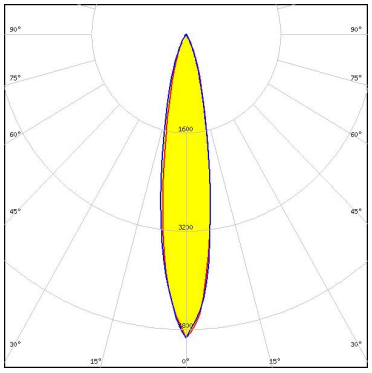
SAMSUNG

| | |
|---|---|
| LED | LM301A |
| FWHM | 14.5° |
| Efficiency | 87 % |
| Peak intensity | 7.1 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



SAMSUNG

| | |
|---|---|
| LED | LM302A |
| FWHM | 16.0° |
| Efficiency | 87 % |
| Peak intensity | 5.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



## 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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