# HEIDI-D

**~10° diffused spot beam optimized for LUXEON Rebel ES**


## TECHNICAL SPECIFICATIONS:

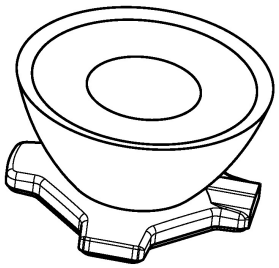
| | |
|---|---|
| Dimensions | Ø 21.6 mm |
| Height | 11.7 mm |
| Fastening | tape, pin |
| ROHS compliant | yes |

## MATERIAL SPECIFICATIONS:

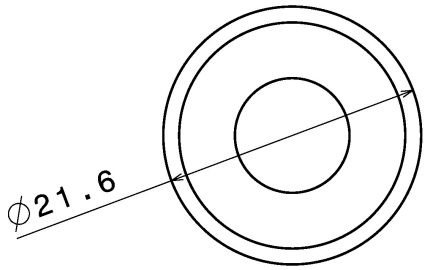
| Component | Type | Material | Colour | Finish |
|---|---|---|---|---|
| HEIDI-D | Single lens | PMMA | clear | |
| HEIDI-TAPE | Tape | PU tape | black | |

## ORDERING INFORMATION:

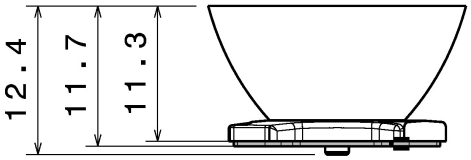
| Component | | Qty in box | MOQ | MPQ | Box weight (kg) |
|---|---|---|---|---|---|
| CA12530_HEIDI-D<br>» Box size: 480 x 280 x 300 mm | Single lens | 3264 | 204 | 204 | 10.3 |



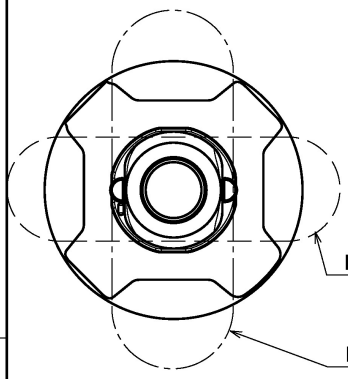
Isometric view



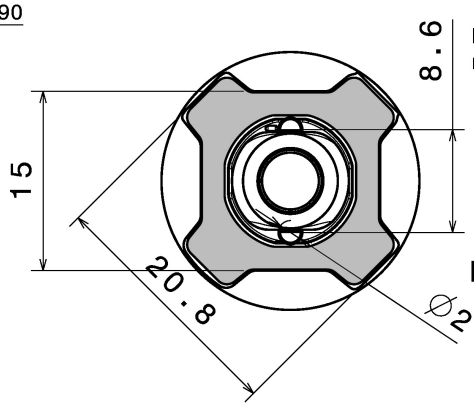

Top view




Front view




Bottom view
OVAL BEAM direction




Bottom view

Note:
Oval models height 11.9

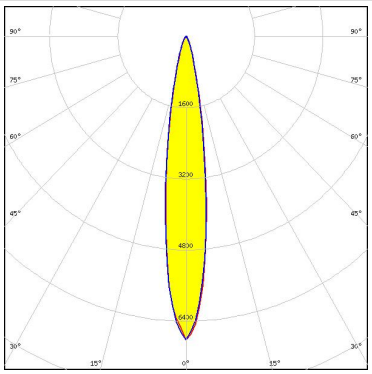
Material:
Lens PMMA
Tape PU Foam

| | | | | | |
|---|---|---|---|---|---|
| This drawing is our property. It can't be reproduced or communicated without our written agreement. | | LEDiL | Ledil Oy<br>Joensuunkatu 13<br>FIN-24100 SALO<br>Finland | | |
| DRAWN BY<br>ah | DATE<br>1.2.2012 | DRAWING TITLE<br>Datasheet Heidi-Series Assy | | | |
| CHECKED BY | DATE | SIZE<br>A4 | DRAWING NUMBER | | REV<br>2 |
| DESIGNED BY | DATE | SCALE 2:1 | WEIGHT(g) | | SHEET 1/1 |

## PHOTOMETRIC DATA (MEASURED):

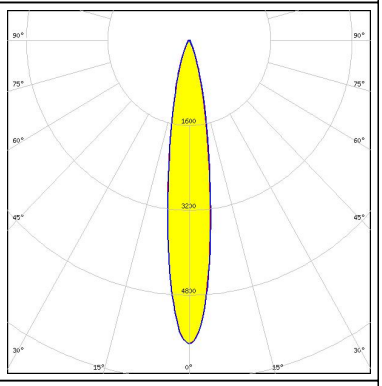
CREE

| | |
|---|---|
| LED | XHP35 HD |
| FWHM | 20.0° |
| Efficiency | 83 % |
| Peak intensity | 4.2 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



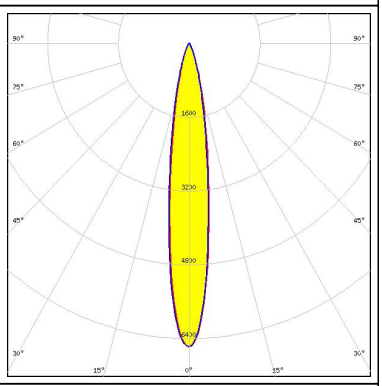
CREE

| | |
|---|---|
| LED | XHP35 HI |
| FWHM | 17.0° |
| Efficiency | 94 % |
| Peak intensity | 5.7 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



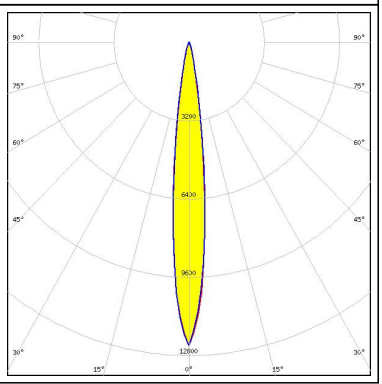
CREE

| | |
|---|---|
| LED | XP-G2 |
| FWHM | 15.0° |
| Efficiency | 94 % |
| Peak intensity | 6.6 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



CREE

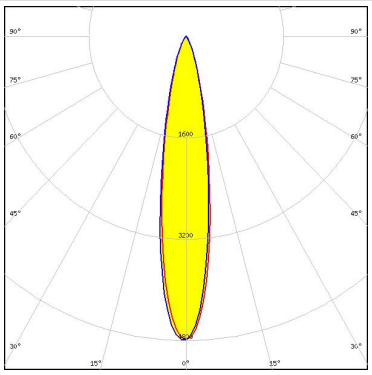
| | |
|---|---|
| LED | XP-G3 |
| FWHM | 17.0° |
| Efficiency | 94 % |
| Peak intensity | 5.1 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



## PHOTOMETRIC DATA (MEASURED):

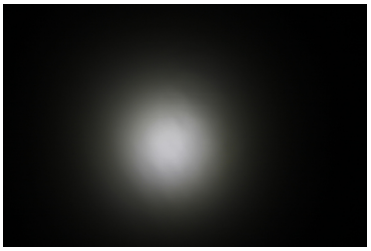
CREE

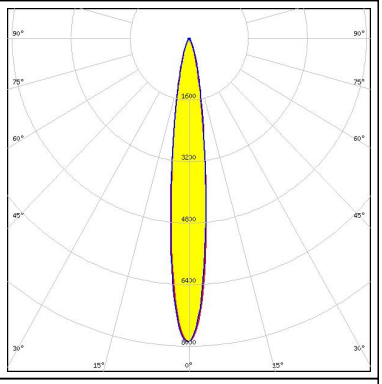
| | |
|---|---|
| LED | XP-L HD |
| FWHM | 18.0° |
| Efficiency | 85 % |
| Peak intensity | 4.8 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



CREE

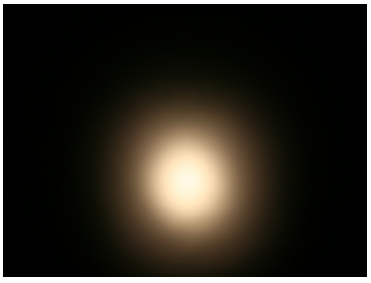
| | |
|---|---|
| LED | XT-E |
| FWHM | 14.0° |
| Efficiency | 94 % |
| Peak intensity | 7.9 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |





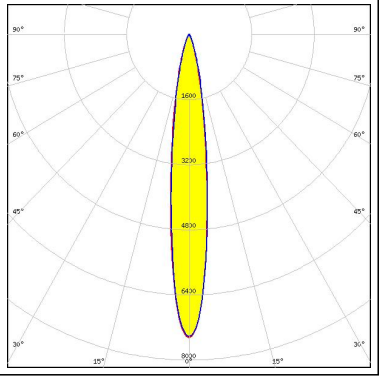
LUMILEDS

| | |
|---|---|
| LED | LUXEON A |
| FWHM | 12.0° |
| Efficiency | 86 % |
| Peak intensity | 10 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



LUMILEDS

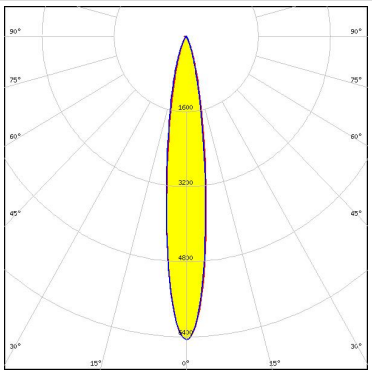
| | |
|---|---|
| LED | LUXEON Rebel |
| FWHM | 14.0° |
| Efficiency | 86 % |
| Peak intensity | 7.5 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



## PHOTOMETRIC DATA (MEASURED):

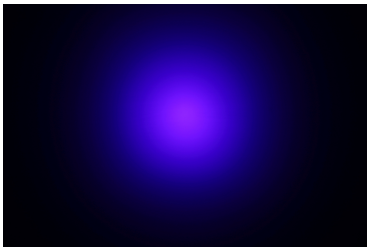
LUMILEDS

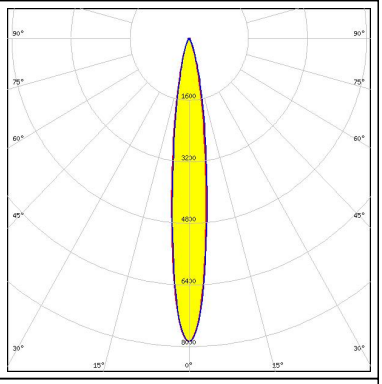
| | |
|---|---|
| LED | LUXEON Rebel ES |
| FWHM | 15.0° |
| Efficiency | 91 % |
| Peak intensity | 6.5 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



LUMINUS

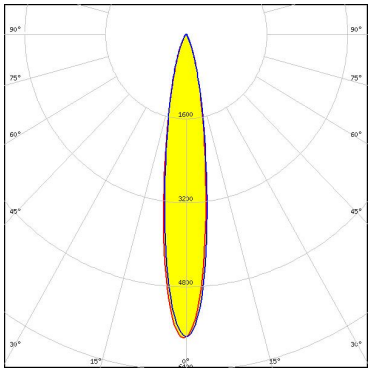
| | |
|---|---|
| LED | SST-10-B130 |
| FWHM | 14.0° |
| Efficiency | 93 % |
| Peak intensity | 7.9 cd/lm |
| LEDs/each optic | 1 |
| Light colour | Blue |
| Required components: | |





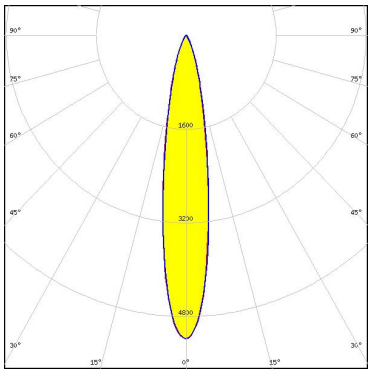
NICHIA

| | |
|---|---|
| LED | NVSW219D |
| FWHM | 16.0° |
| Efficiency | 94 % |
| Peak intensity | 5.8 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



NICHIA

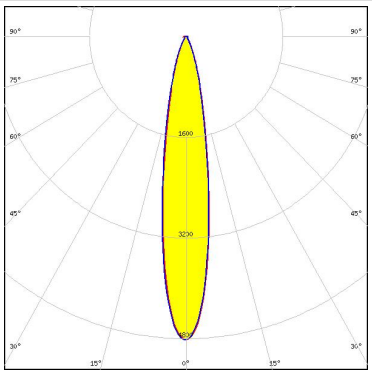
| | |
|---|---|
| LED | NVSW319B |
| FWHM | 18.0° |
| Efficiency | 93 % |
| Peak intensity | 5.2 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



## PHOTOMETRIC DATA (MEASURED):

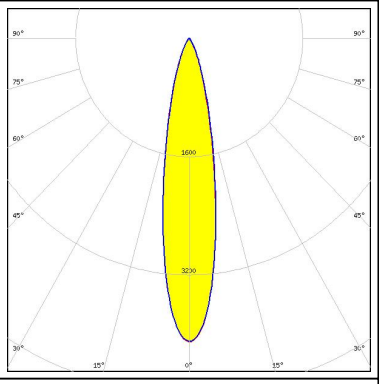
NICHIA

| | |
|---|---|
| LED | NVSW3x9A |
| FWHM | 18.0° |
| Efficiency | 90 % |
| Peak intensity | 4.8 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



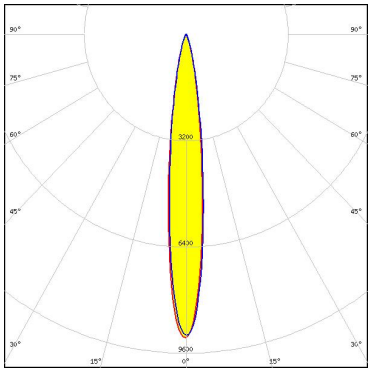
NICHIA

| | |
|---|---|
| LED | NWSx229A |
| FWHM | 20.0° |
| Efficiency | 84 % |
| Peak intensity | 4.1 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



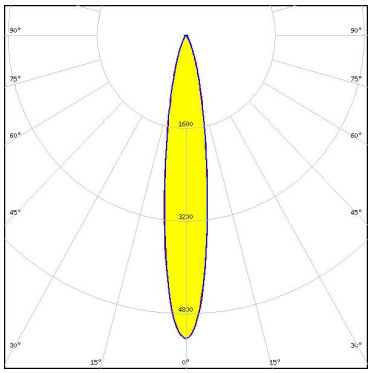
OSRAM
Opto Semiconductors

| | |
|---|---|
| LED | OSLON SSL 150 |
| FWHM | 13.0° |
| Efficiency | 87 % |
| Peak intensity | 9.1 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



SEOUL SEMICONDUCTOR

| | |
|---|---|
| LED | Z5M3 |
| FWHM | 17.0° |
| Efficiency | 94 % |
| Peak intensity | 5.2 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |

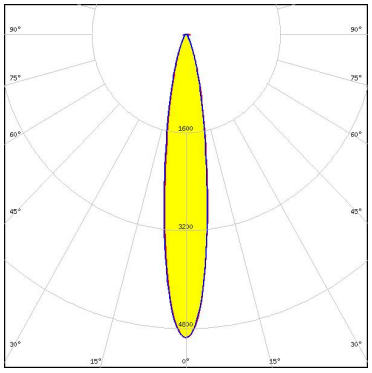


## PHOTOMETRIC DATA (MEASURED):

SEOUL SEMICONDUCTOR

| | |
|---|---|
| LED | Z8Y22P |
| FWHM | 17.0° |
| Efficiency | 92 % |
| Peak intensity | 5 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

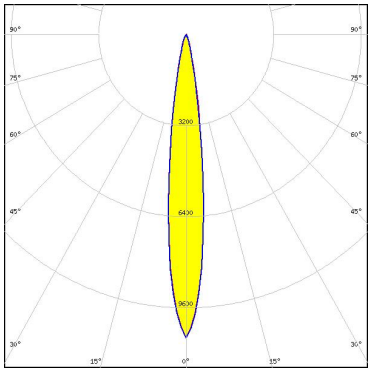
Required components:



## PHOTOMETRIC DATA (SIMULATED):

CREE

| | |
|---|---|
| LED | XP-G2 HE |
| FWHM | 14.0° |
| Efficiency | 95 % |
| Peak intensity | 10.7 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |

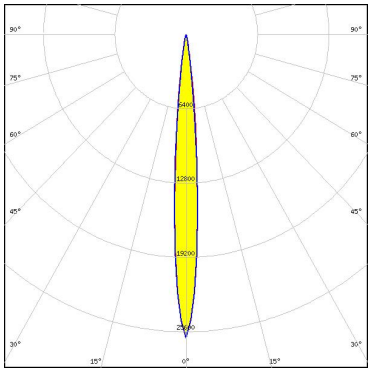


LUMILEDS

| | |
|---|---|
| LED | LUXEON R |
| FWHM | 12.0° |
| Efficiency | % |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |

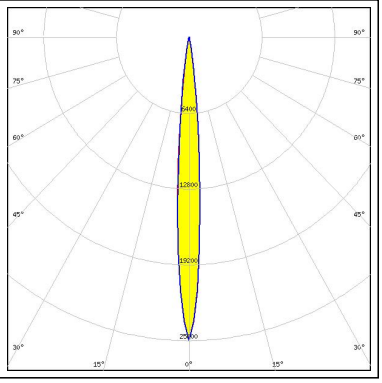
LUMILEDS

| | |
|---|---|
| LED | LUXEON SunPlus 20 Line (120 deg) |
| FWHM | 9.0° |
| Efficiency | 96 % |
| Peak intensity | 26.1 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



LUMILEDS

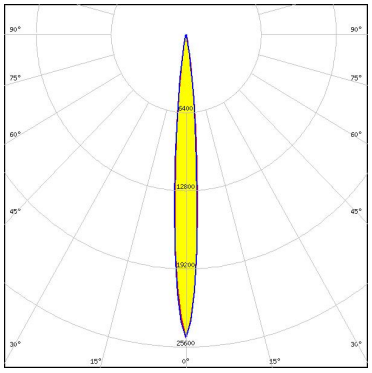
| | |
|---|---|
| LED | LUXEON SunPlus 20 Line (150 deg) |
| FWHM | 8.7° |
| Efficiency | 93 % |
| Peak intensity | 25.6 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



## PHOTOMETRIC DATA (SIMULATED):

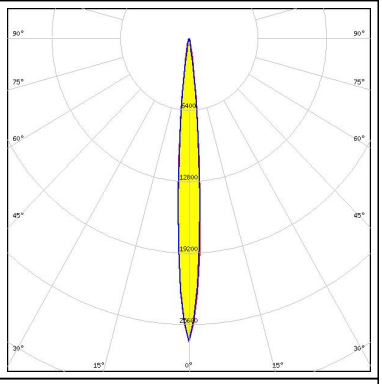
LUMILEDS

| | |
|---|---|
| LED | LUXEON SunPlus 20 Line (150 deg) |
| FWHM | 8.0° |
| Efficiency | 92 % |
| Peak intensity | 24.9 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



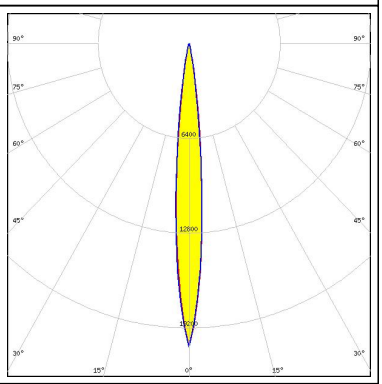
LUMILEDS

| | |
|---|---|
| LED | LUXEON SunPlus 35 Line |
| FWHM | 8.5° |
| Efficiency | 94 % |
| Peak intensity | 27.2 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



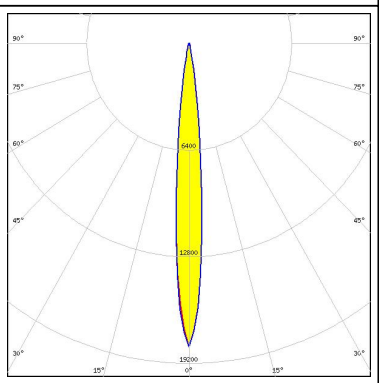
LUMILEDS

| | |
|---|---|
| LED | LUXEON Z ES |
| FWHM | 10.0° |
| Efficiency | 94 % |
| Peak intensity | 20.5 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



NICHIA

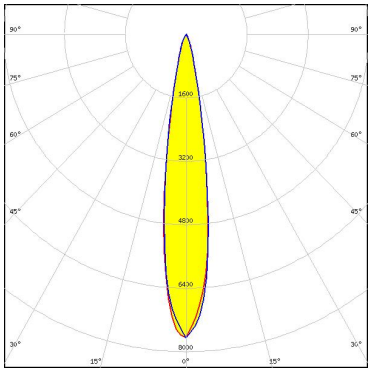
| | |
|---|---|
| LED | NCSxE17A |
| FWHM | 10.0° |
| Efficiency | 92 % |
| Peak intensity | 18.2 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



## PHOTOMETRIC DATA (SIMULATED):

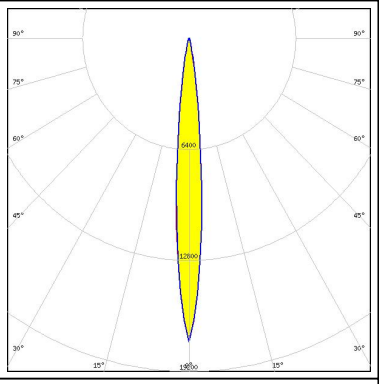
NICHIA

| | |
|---|---|
| LED | NV4WB35AM |
| FWHM | 16.0° |
| Efficiency | 96 % |
| Peak intensity | 7.8 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



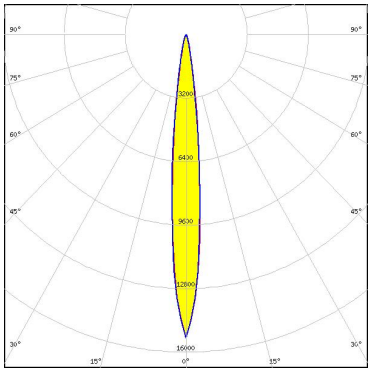
NICHIA

| | |
|---|---|
| LED | NVSxE21A |
| FWHM | 10.0° |
| Efficiency | 94 % |
| Peak intensity | 17.5 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



OSRAM
Opto Semiconductors

| | |
|---|---|
| LED | OSCONIQ P 3737 Flat |
| FWHM | 11.0° |
| Efficiency | 97 % |
| Peak intensity | 15.3 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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**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

http://moschip.ru/get-element

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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