

## HEIDI-W

~30° wide beam optimized for LUXEON Rebel ES

### TECHNICAL SPECIFICATIONS:

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

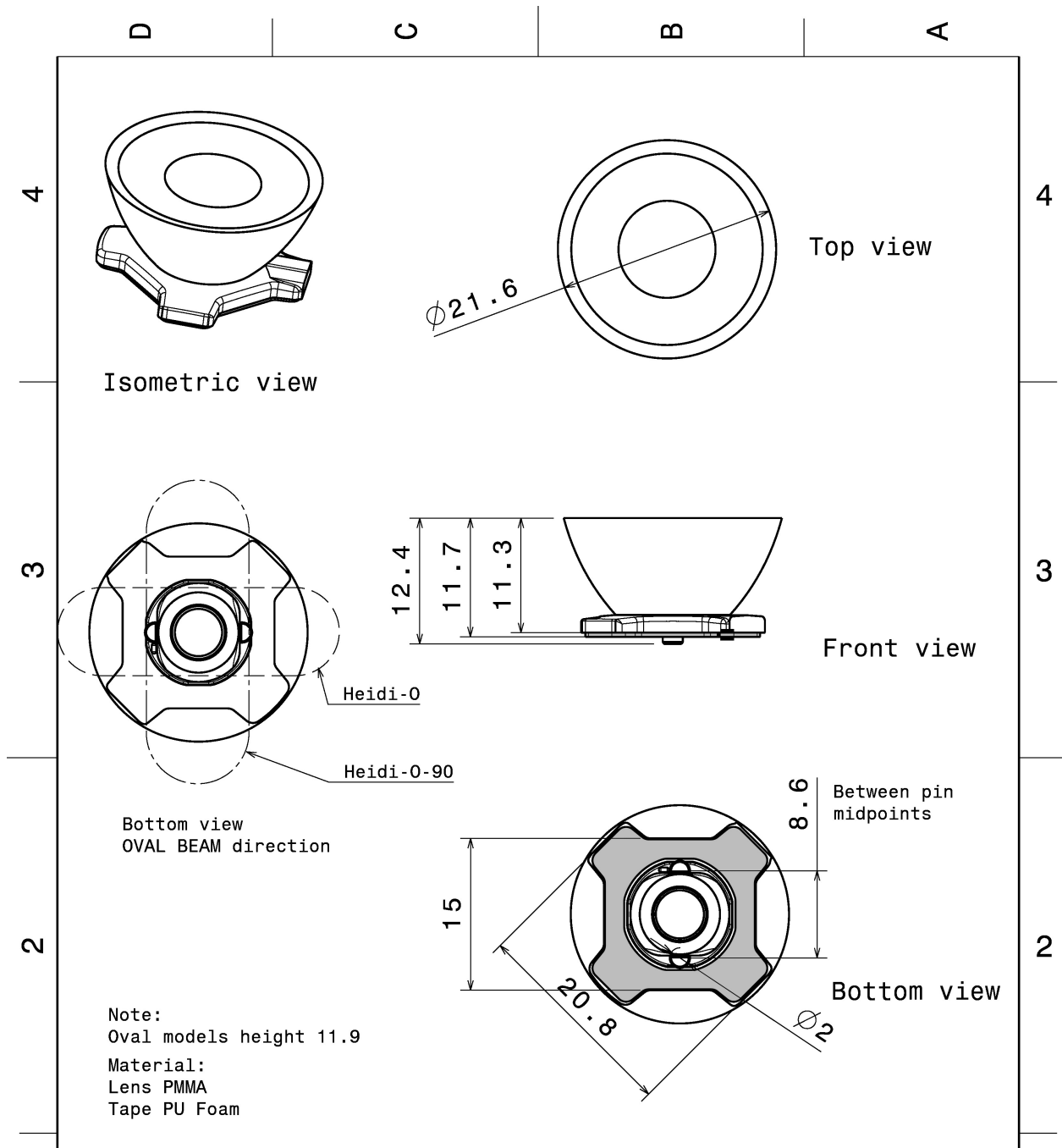
### MATERIAL SPECIFICATIONS:

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



### ORDERING INFORMATION:

| Component                      |             | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|-------------|------------|-----|-----|-----------------|
| CA12538_HEIDI-W                | Single lens | 3264       | 204 | 204 | 11.1            |
| » Box size: 480 x 280 x 300 mm |             |            |     |     |                 |

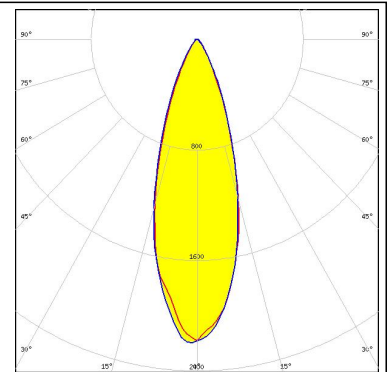


|   |                  |                                    |                |  |          |
|---|------------------|------------------------------------|----------------|--|----------|
| This drawing is our property. It can't be reproduced or communicated without our written agreement. |           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

#### PHOTOMETRIC DATA (MEASURED):

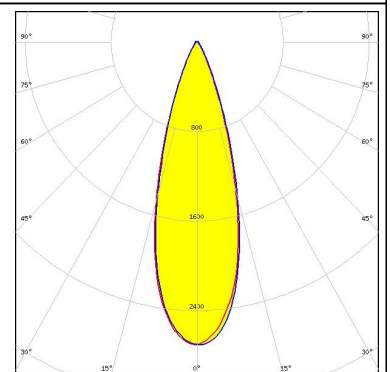
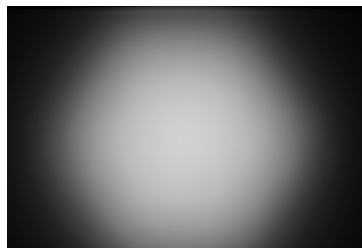
**CREE** 

LED XHP35 HD  
 FWHM 32.0°  
 Efficiency 84 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



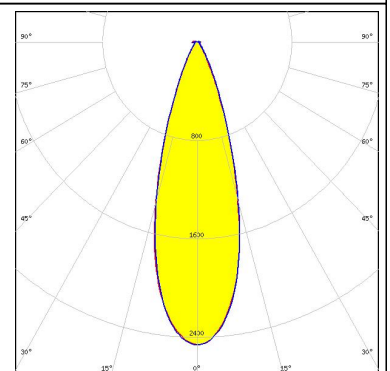
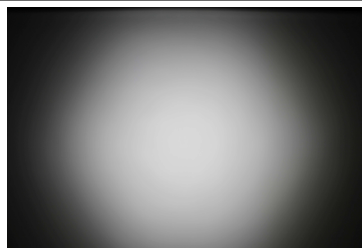
**CREE** 

LED XHP35 HI  
 FWHM 31.0°  
 Efficiency 94 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



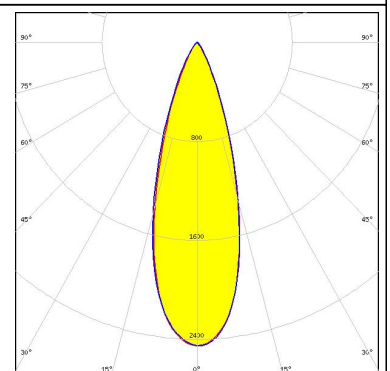
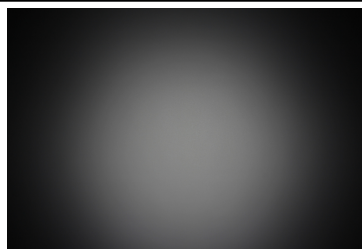
**CREE** 

LED XP-G3  
 FWHM 32.0°  
 Efficiency 94 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



**CREE** 

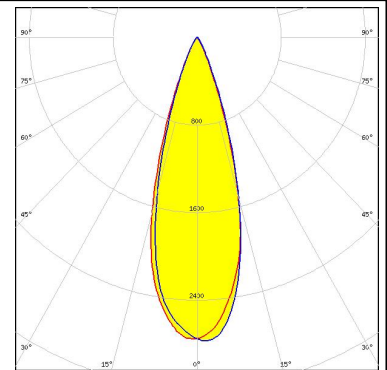
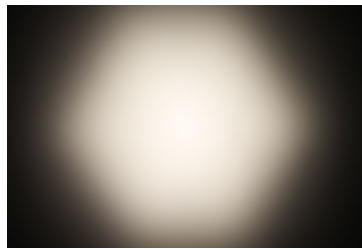
LED XP-L HD  
 FWHM 33.0°  
 Efficiency 87 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

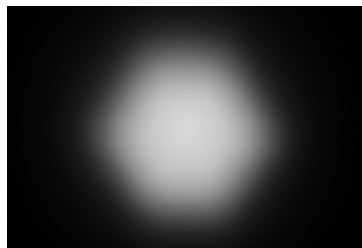
#### LUMILEDS

LED LUXEON Rebel  
 FWHM 32.0°  
 Efficiency 87 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



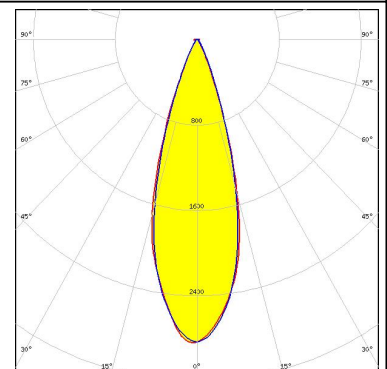
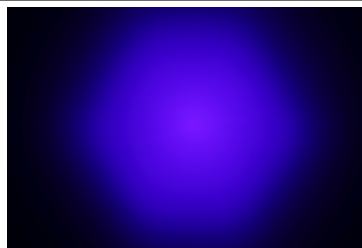
#### LUMILEDS

LED LUXEON Rebel ES  
 FWHM 32.0°  
 Efficiency 87 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



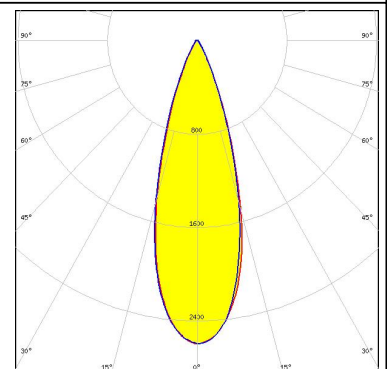
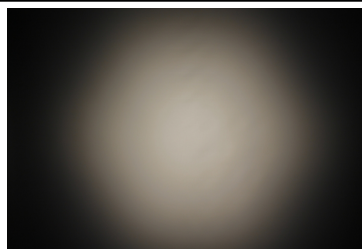
#### LUMINUS

LED SST-10-B130  
 FWHM 33.0°  
 Efficiency 93 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour Blue  
 Required components:



#### NICHIA

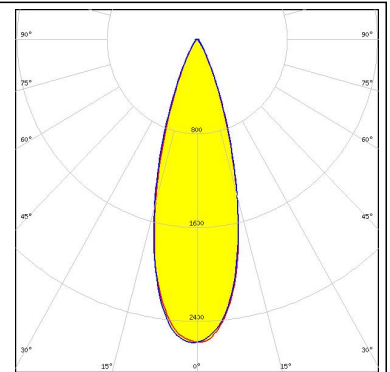
LED NVSW219D  
 FWHM 32.0°  
 Efficiency 94 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



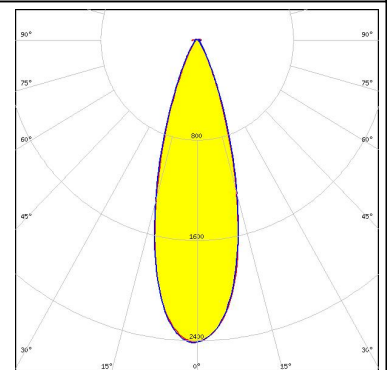
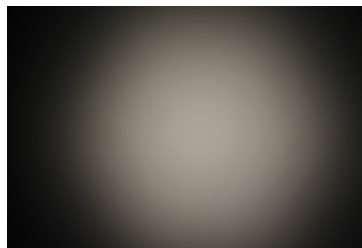
#### PHOTOMETRIC DATA (MEASURED):



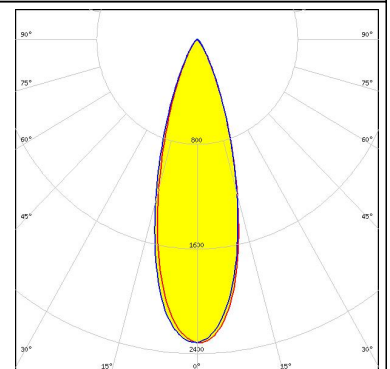
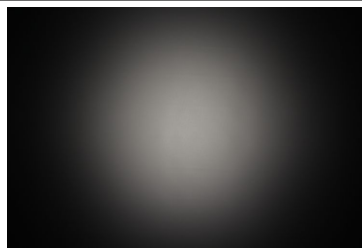
LED NVSW319B  
 FWHM 32.0°  
 Efficiency 94 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



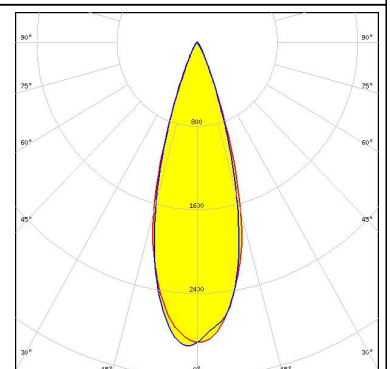
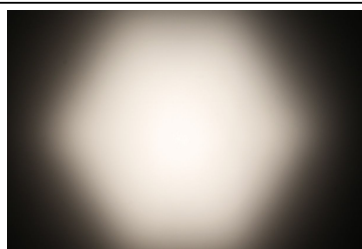
LED NVSW3x9A  
 FWHM 31.0°  
 Efficiency 90 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:





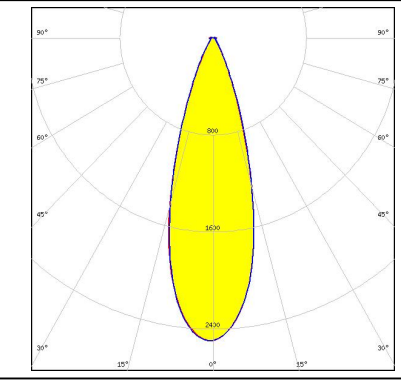


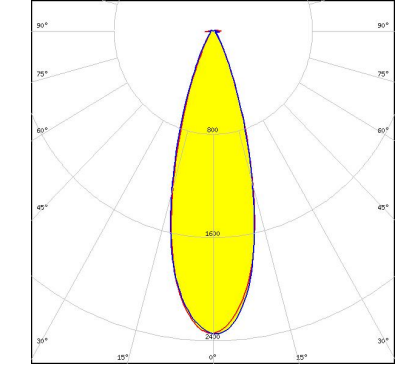
LED NWSx229A  
 FWHM 31.0°  
 Efficiency 83 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED OSOLON SSL 150  
 FWHM 32.0°  
 Efficiency 86 %  
 Peak intensity 2.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



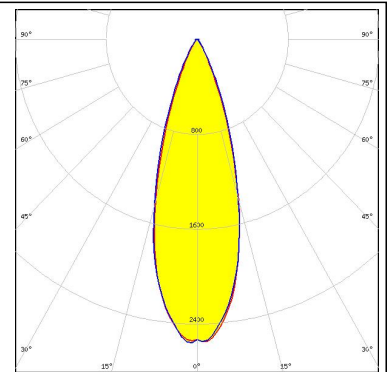
**PHOTOMETRIC DATA (MEASURED):**

|  |   |  |
|--|---|--|
| <p><br/>SEOUL SEMICONDUCTOR</p> <p>LED                    Z5M3<br/>FWHM                32.0°<br/>Efficiency            94 %<br/>Peak intensity      2.5 cd/lm<br/>LEDs/each optic    1<br/>Light colour        White<br/>Required components:</p>   |   |   |
| <p><br/>SEOUL SEMICONDUCTOR</p> <p>LED                    Z8Y22P<br/>FWHM                31.0°<br/>Efficiency            92 %<br/>Peak intensity      2.3 cd/lm<br/>LEDs/each optic    1<br/>Light colour        White<br/>Required components:</p> |  |  |

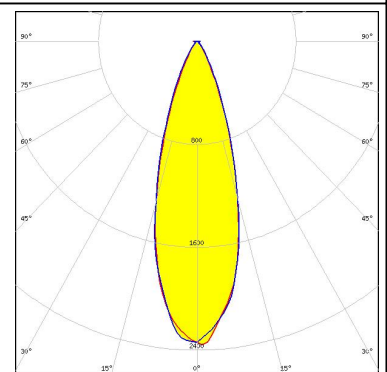
### PHOTOMETRIC DATA (SIMULATED):



LED XP-G2 HE  
FWHM 32.0°  
Efficiency 93 %  
Peak intensity 2.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XP-L2  
FWHM 32.0°  
Efficiency 91 %  
Peak intensity 2.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON A  
FWHM 31.0°  
Efficiency %  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON IR Domed 150  
FWHM 31.0°  
Efficiency 93 %  
LEDs/each optic 1  
Light colour White  
Required components:

### PHOTOMETRIC DATA (SIMULATED):

#### LUMILEDS

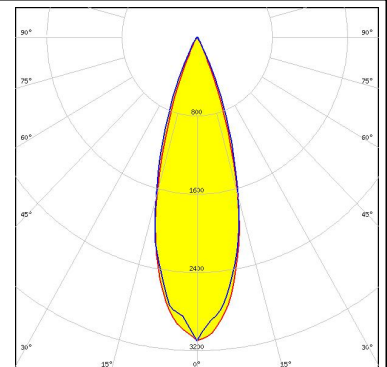
LED LUXEON IR Domed 90  
FWHM 31.0°  
Efficiency 94 %  
LEDs/each optic 1  
Light colour White  
Required components:

#### LUMILEDS

LED LUXEON R  
FWHM 32.0°  
Efficiency %  
LEDs/each optic 1  
Light colour White  
Required components:

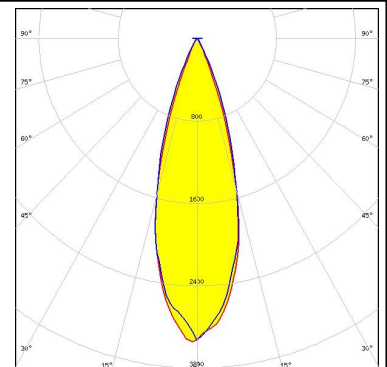
#### LUMILEDS

LED LUXEON SunPlus 20 Line (120 deg)  
FWHM 31.0°  
Efficiency 95 %  
Peak intensity 3.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### LUMILEDS

LED LUXEON SunPlus 20 Line (150 deg)  
FWHM 31.0°  
Efficiency 92 %  
Peak intensity 2.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:





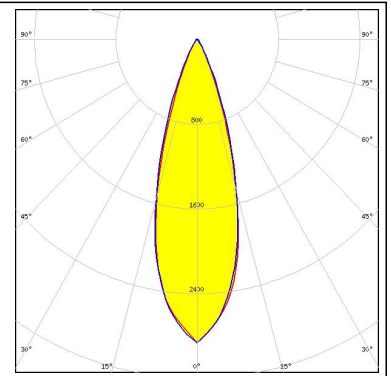
#### PHOTOMETRIC DATA (SIMULATED):

|  |  |
|--|--|
| <p><b>LUMILEDS</b></p> <p>LED LUXEON SunPlus 20 Line (150 deg)<br/>           FWHM 31.0°<br/>           Efficiency 91 %<br/>           Peak intensity 2.9 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:</p> |  |
| <p><b>LUMILEDS</b></p> <p>LED LUXEON SunPlus 35 Line<br/>           FWHM 31.0°<br/>           Efficiency 94 %<br/>           Peak intensity 3.1 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:</p>           |  |
| <p><b>NICHIA</b></p> <p>LED NV4WB35AM<br/>           FWHM 32.0°<br/>           Efficiency 92 %<br/>           Peak intensity 2.5 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:</p>                          |  |
| <p><b>NICHIA</b></p> <p>LED NVSxE21A<br/>           FWHM 31.0°<br/>           Efficiency 93 %<br/>           Peak intensity 2.8 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:</p>                           |  |

## PHOTOMETRIC DATA (SIMULATED):

**OSRAM**  
Opto Semiconductors

|                      |                     |
|----------------------|---------------------|
| LED                  | OSCONIQ P 3737 Flat |
| FWHM                 | 32.0°               |
| Efficiency           | 95 %                |
| Peak intensity       | 2.9 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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#### LEDiL Oy

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#### Local sales and technical support

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)

#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: [org@lifeelectronics.ru](mailto:org@lifeelectronics.ru)