

## HEIDI-W

~32° wide beam

### TECHNICAL SPECIFICATIONS:

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

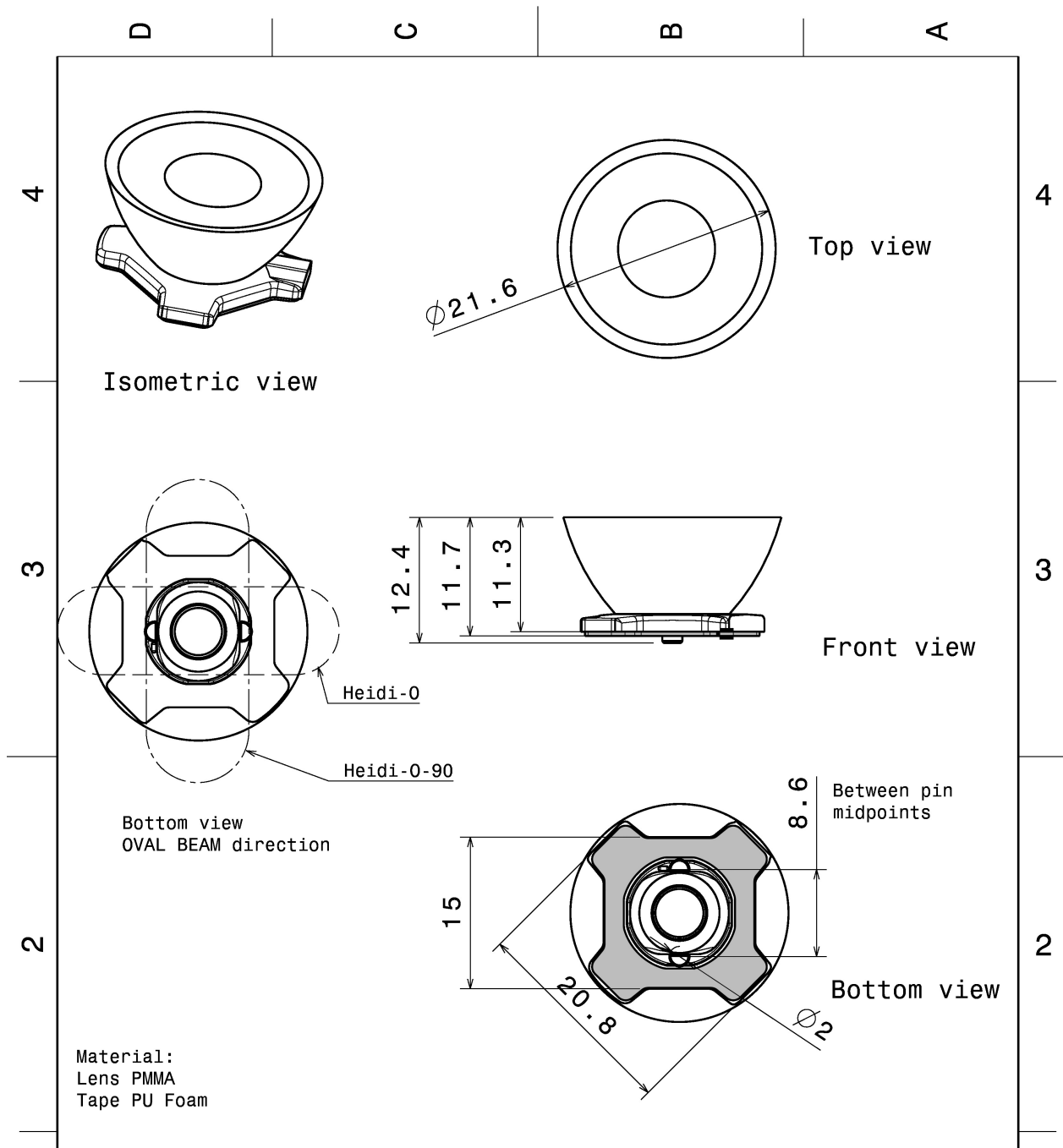
### MATERIAL SPECIFICATIONS:

| 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) |
|--------------------------------|-------------|------------|-----|-----|-----------------|
| CA11268_HEIDI-W                | Single lens | 3264       | 204 | 204 | 10.8            |
| » Box size: 480 x 280 x 300 mm |             |            |     |     |                 |





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Ledil Oy  
Salorankatu 10  
FIN-24100 SALO  
Finland

## DRAWING TITLE

Datasheet Heidi-Series Assy

DRAWN BY  
ah  
DATE  
1.2.2012

CHECKED BY  
DATE

DESIGNED BY  
DATE

SIZE  
A4  
DRAWING NUMBER  
REV  
2  
SCALE  
2:1  
WEIGHT (g)  
SHEET  
1/1

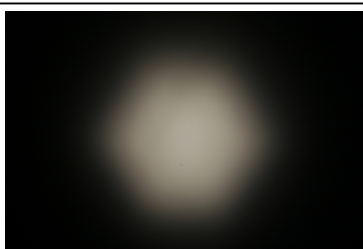
### PHOTOMETRIC DATA (MEASURED):

#### CREE

LED XB-D  
FWHM 30.0°  
Efficiency 88 %  
Peak intensity 2.6 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:

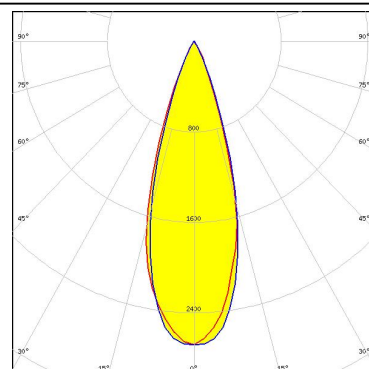
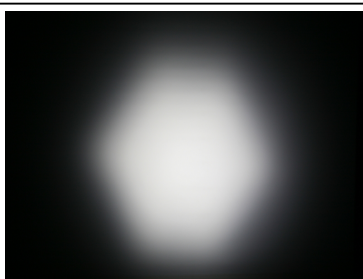
#### CREE

LED XB-H  
FWHM 33.0°  
Efficiency 88 %  
Peak intensity 2.3 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



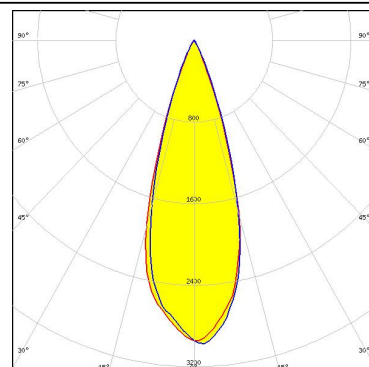
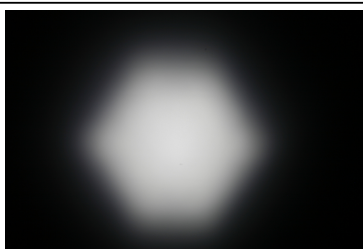
#### CREE

LED XP-E  
FWHM 32.0°  
Efficiency 92 %  
Peak intensity 2.7 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



#### CREE

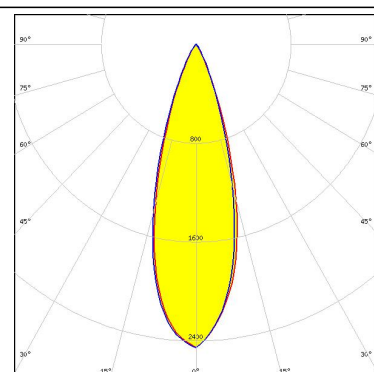
LED XP-E2  
FWHM 33.0°  
Efficiency 89 %  
Peak intensity 3 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



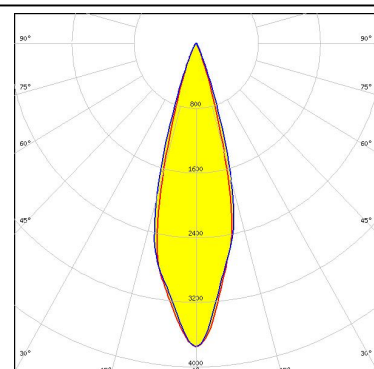
### PHOTOMETRIC DATA (MEASURED):



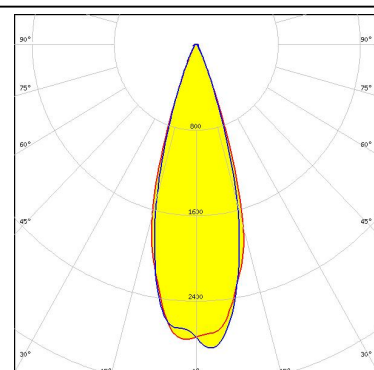
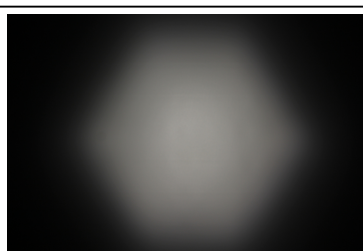
LED XP-G  
FWHM 31.0°  
Efficiency 92 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



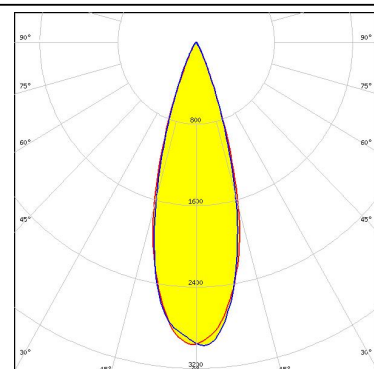
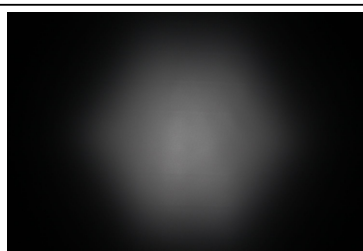
LED XQ-E HD  
FWHM 29.0°  
Efficiency 94 %  
Peak intensity 3.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XQ-E HI  
FWHM 34.0°  
Efficiency 93 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



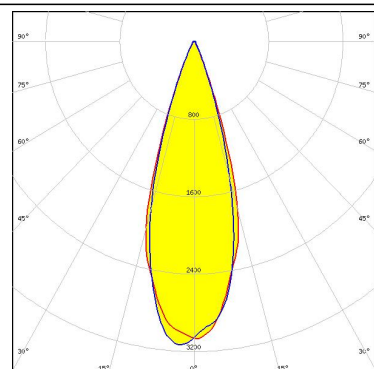
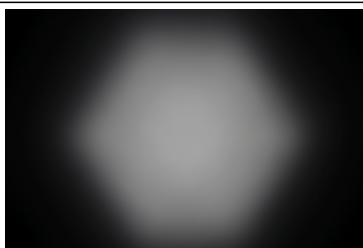
LED LUXEON C  
FWHM 31.0°  
Efficiency 88 %  
Peak intensity 3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### PHOTOMETRIC DATA (MEASURED):

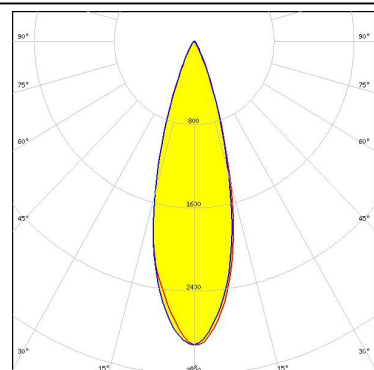
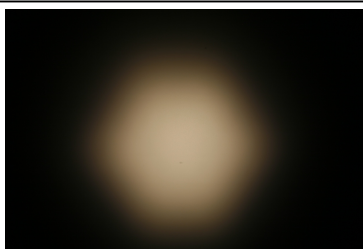
#### LUMILEDS

LED LUXEON CZ  
FWHM 34.0°  
Efficiency 94 %  
Peak intensity 3.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



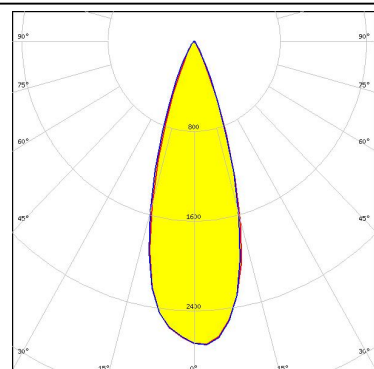
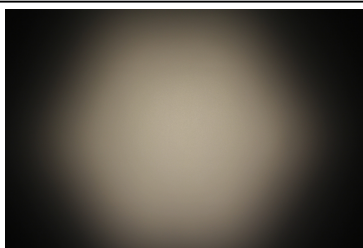
#### LUMILEDS

LED LUXEON T  
FWHM 31.0°  
Efficiency 87 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### LUMILEDS

LED LUXEON TX  
FWHM 33.0°  
Efficiency 88 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### NICHIA

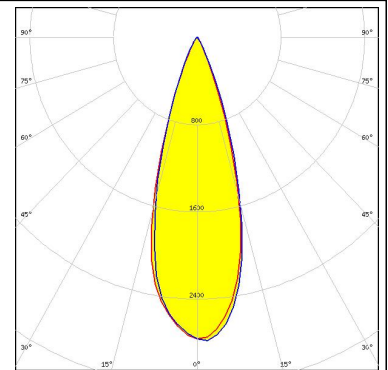
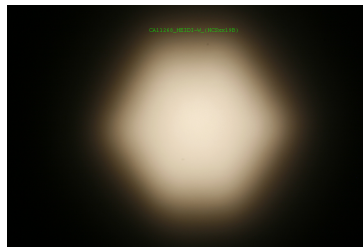
LED NCSxx19A  
FWHM 32.0°  
Efficiency 86 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



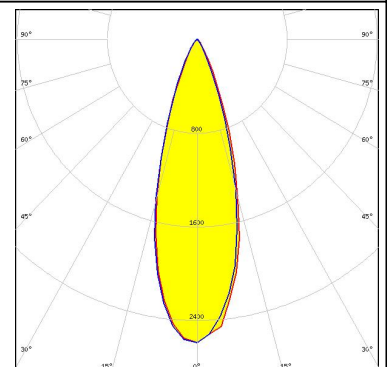
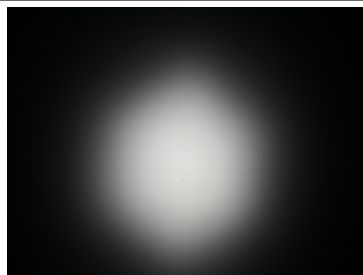
### PHOTOMETRIC DATA (MEASURED):



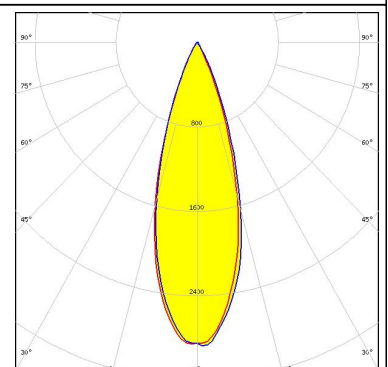
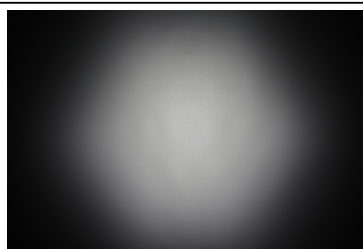
LED NCSxx19B  
FWHM 33.0°  
Efficiency 88 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



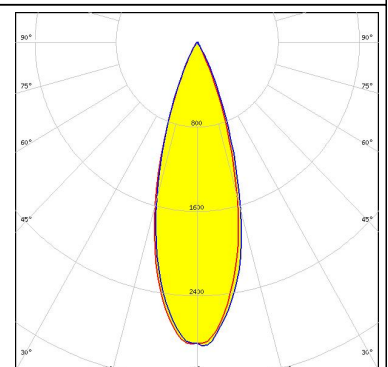
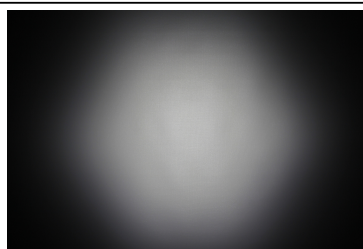
LED NVSxx19A  
FWHM 32.0°  
Efficiency 86 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED NVSxx19B/NVSxx19C  
FWHM 32.0°  
Efficiency 87 %  
Peak intensity 2.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED OSLOM Square CSSRM2/CSSRM3  
FWHM 32.0°  
Efficiency 86 %  
Peak intensity 3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

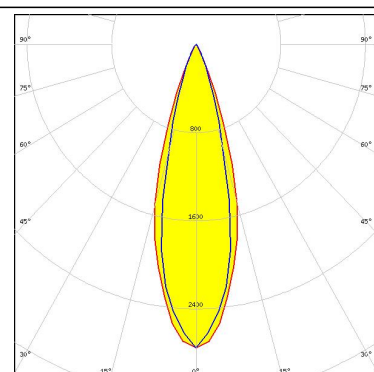




### PHOTOMETRIC DATA (MEASURED):

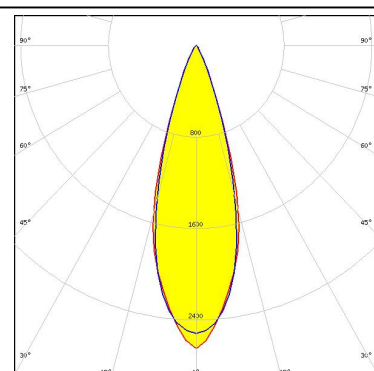
**OSRAM**  
Opto Semiconductors

LED OSLON SSL 150  
FWHM 32.0°  
Efficiency 88 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



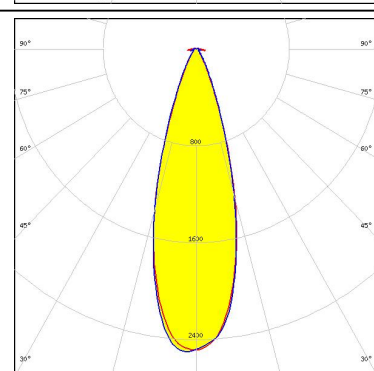
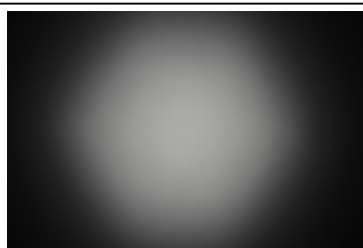
**OSRAM**  
Opto Semiconductors

LED OSLON SSL 80  
FWHM 32.0°  
Efficiency 86 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



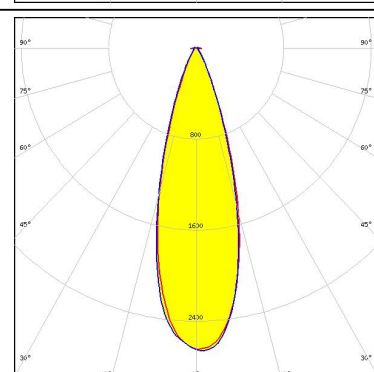
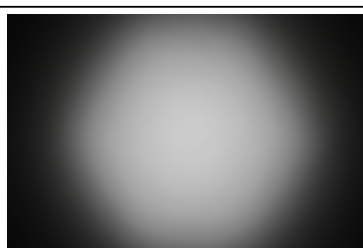
**SAMSUNG**

LED LH181A  
FWHM 31.0°  
Efficiency 94 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



**SAMSUNG**

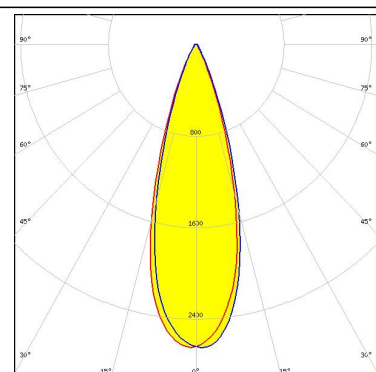
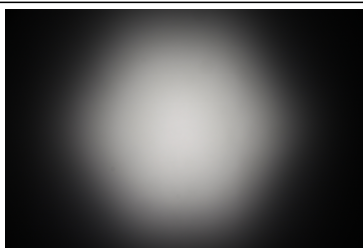
LED LH181B  
FWHM 31.0°  
Efficiency 92 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### PHOTOMETRIC DATA (MEASURED):

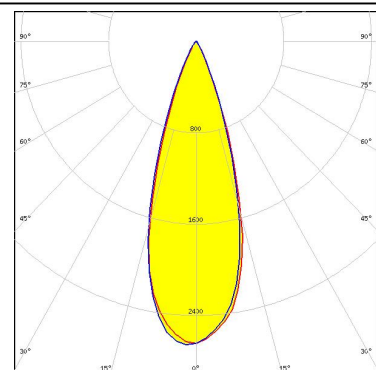
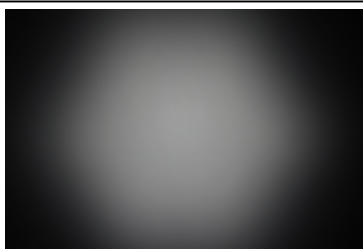
#### SAMSUNG

LED LH351B  
FWHM 32.0°  
Efficiency 94 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



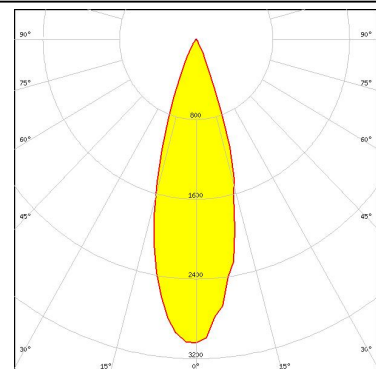
#### SAMSUNG

LED LH351Z  
FWHM 34.0°  
Efficiency 88 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



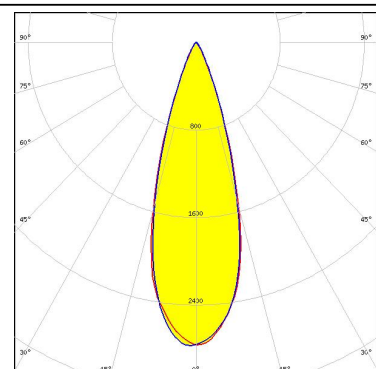
SEOUL SEMICONDUCTOR

LED Z5  
FWHM 32.0°  
Efficiency 86 %  
Peak intensity 3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



SEOUL SEMICONDUCTOR

LED Z5M1/Z5M2  
FWHM 32.0°  
Efficiency 91 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

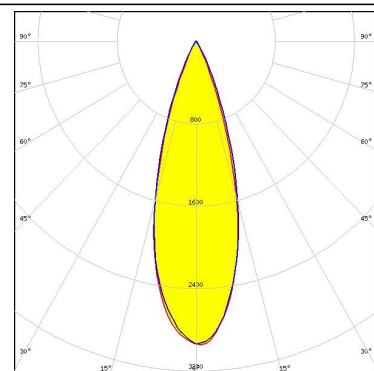




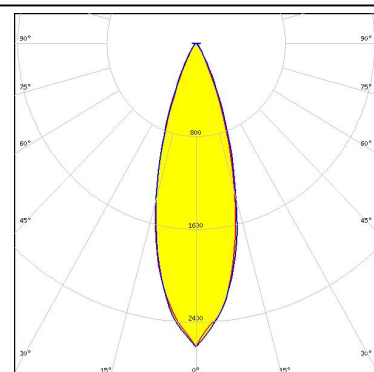
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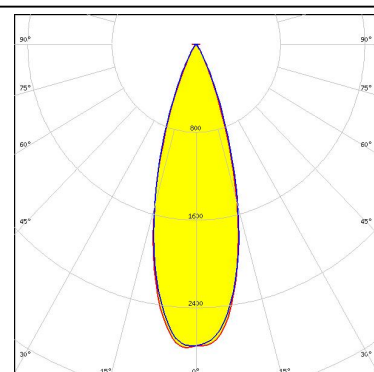
LED XP-G2  
FWHM 32.0°  
Efficiency 94 %  
Peak intensity 3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



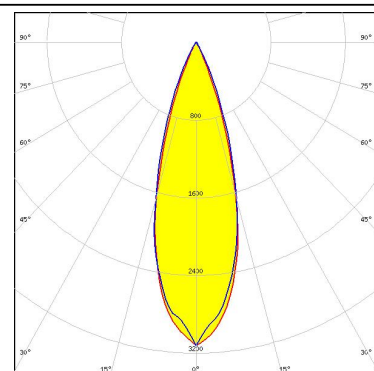
LED XP-G3  
FWHM 31.0°  
Efficiency 94 %  
Peak intensity 2.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XT-E  
FWHM 31.8°  
Efficiency 94 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



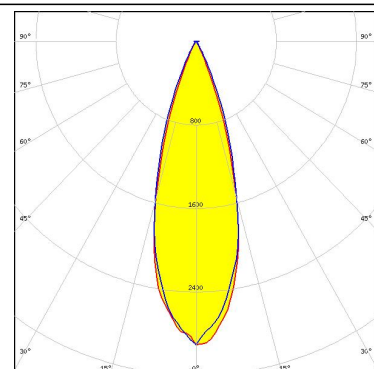
LED LUXEON SunPlus 20 Line (120 deg)  
FWHM 31.0°  
Efficiency 95 %  
Peak intensity 3.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



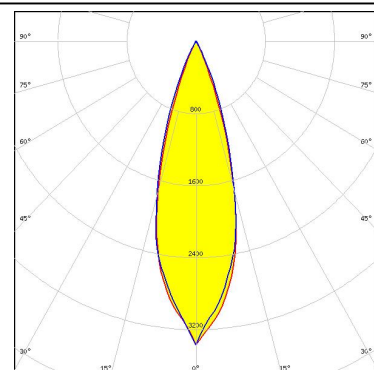
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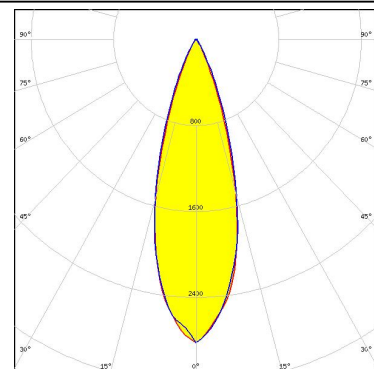
LED LUXEON SunPlus 20 Line (150 deg)  
FWHM 31.0°  
Efficiency 91 %  
Peak intensity 2.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



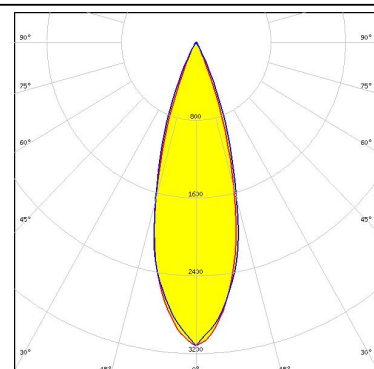
LED LUXEON Z ES  
FWHM 30.0°  
Efficiency 94 %  
Peak intensity 3.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED NVSxx19B/NVSxx19C  
FWHM 32.0°  
Efficiency 94 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED OSCONIQ P 3030  
FWHM 32.0°  
Efficiency 97 %  
Peak intensity 3.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

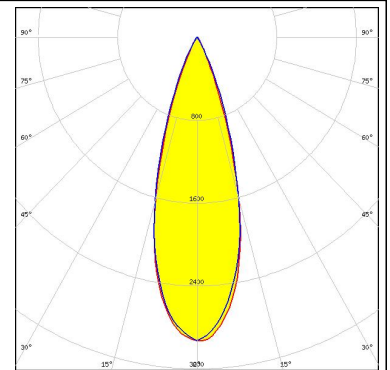


## PHOTOMETRIC DATA (SIMULATED):

### OSRAM

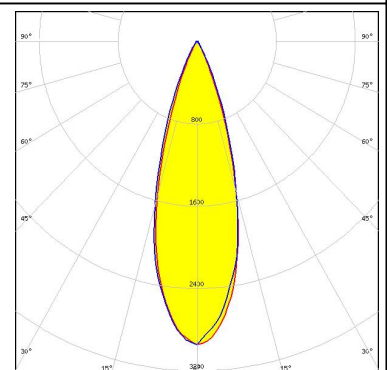
Opto Semiconductors

LED OSLON Square EC  
FWHM 32.0°  
Efficiency 94 %  
Peak intensity 2.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



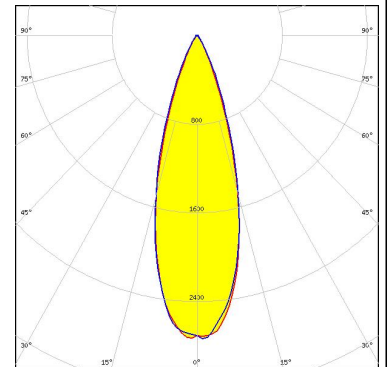
### SAMSUNG

LED LM28xB Series  
FWHM 31.0°  
Efficiency 94 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



SEOUL SEMICONDUCTOR

LED Z8Y22P  
FWHM 32.0°  
Efficiency 94 %  
Peak intensity 2.7 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

Joensuunkatu 13  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Local sales and technical support

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

#### Shipping locations

Salu, Finland  
Hong Kong, China

#### Distribution Partners

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