

## EMILY-W

~40° wide beam 14.74 mm high lens.

### SPECIFICATION:

|                |           |
|----------------|-----------|
| Dimensions     | Ø 26.0 mm |
| Height         | 14.7 mm   |
| Fastening      | tape, pin |
| ROHS compliant | yes ⓘ     |

### MATERIALS:

| Component    | Type        | Material     | Colour | Finish |
|--------------|-------------|--------------|--------|--------|
| EMILY-W      | Single lens | PMMA         | clear  |        |
| SPUTNIK-TAPE | Tape        | Acrylic foam | black  |        |

### ORDERING INFORMATION:

| Component                      |             | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|-------------|------------|-----|-----|-----------------|
| CA11934_EMILY-W                | Single lens | 1690       | 260 | 130 | 11.8            |
| » Box size: 480 x 280 x 300 mm |             |            |     |     |                 |



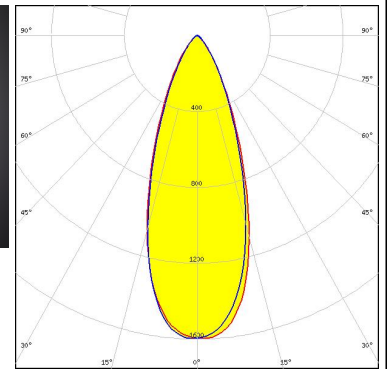
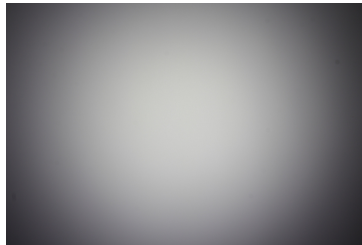


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

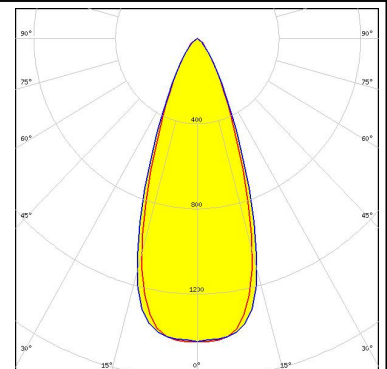
#### OPTICAL RESULTS (MEASURED):



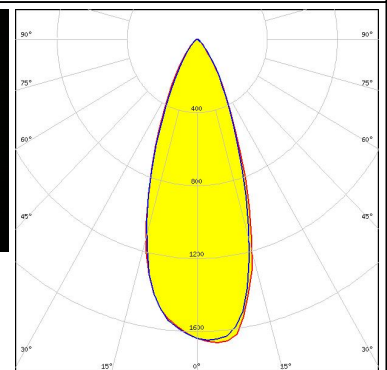
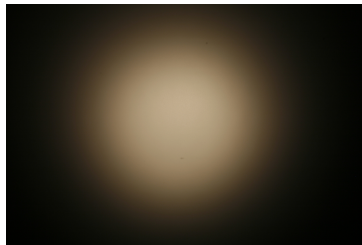
LED XHP35 HD  
 FWHM / FWTM 39.0° / 72.0°  
 Efficiency 83 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



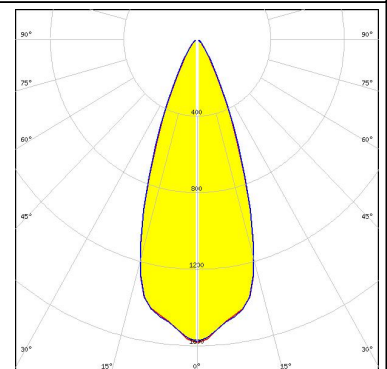
LED XM-L  
 FWHM / FWTM 36.0°  
 Efficiency 86 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:



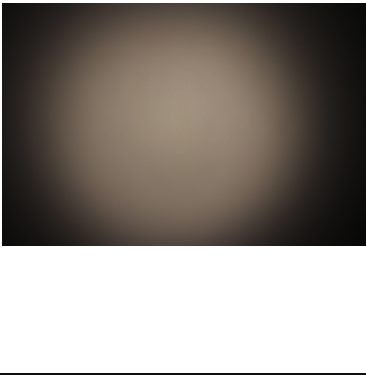
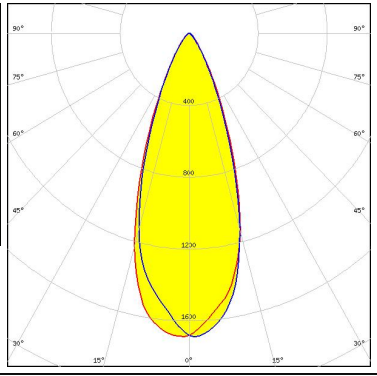

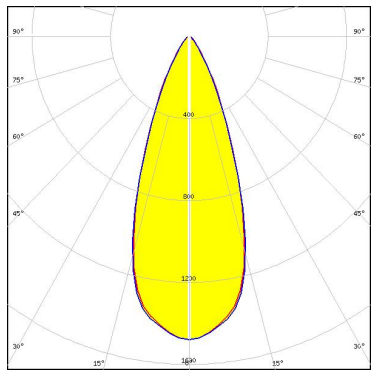

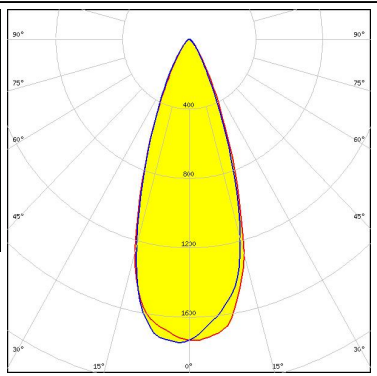
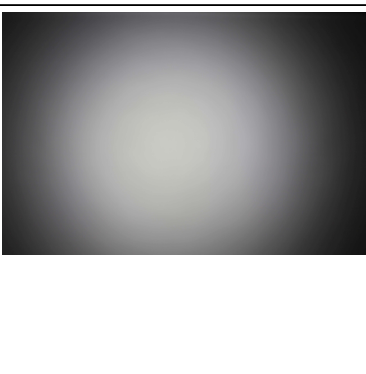
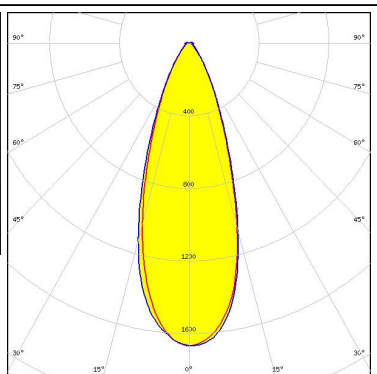
LED XM-L2  
 FWHM / FWTM 39.0° / 72.0°  
 Efficiency 86 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XP-E  
 FWHM / FWTM 39.0° / 64.0°  
 Efficiency 86 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:


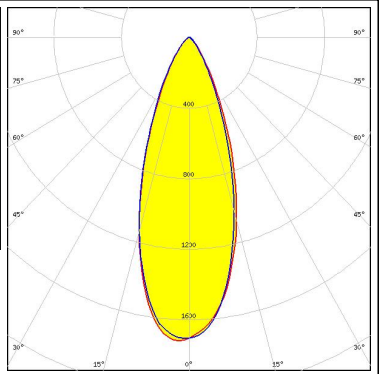

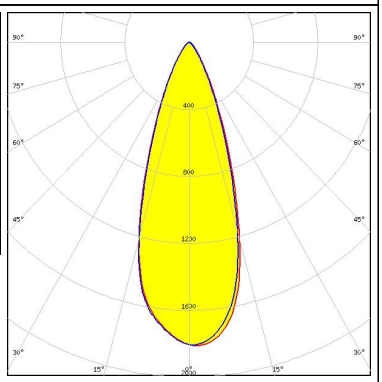

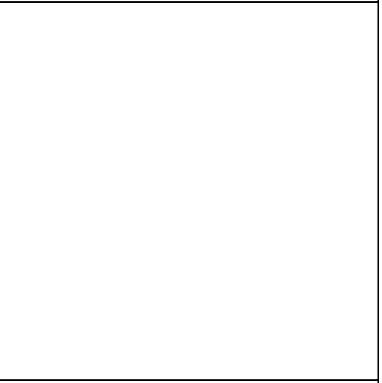


#### OPTICAL RESULTS (MEASURED):

|   |  |   |
|---|--|---|
| <p><b>CREE</b><br/>LEDs</p> <p>LED XP-E2<br/>           FWHM / FWTM 39.0° / 67.0°<br/>           Efficiency 84 %<br/>           Peak intensity 1.7 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:</p> |    |    |
| <p><b>CREE</b><br/>LEDs</p> <p>LED XP-G<br/>           FWHM / FWTM 40.0° / 68.0°<br/>           Efficiency 86 %<br/>           Peak intensity 1.5 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:</p>  |   |   |
| <p><b>CREE</b><br/>LEDs</p> <p>LED XP-G2<br/>           FWHM / FWTM 38.0° / 66.0°<br/>           Efficiency 84 %<br/>           Peak intensity 1.7 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:</p> |  |  |
| <p><b>CREE</b><br/>LEDs</p> <p>LED XP-G3<br/>           FWHM / FWTM 36.0° / 70.0°<br/>           Efficiency 92 %<br/>           Peak intensity 1.7 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:</p> |  |  |



### OPTICAL RESULTS (MEASURED):

|   |  |   |
|---|--|---|
| <p><b>CREE</b><br/>LEDs</p> <p>LED                    XP-L HD<br/> FWHM / FWTM        38.0° / 71.0°<br/> Efficiency             87 %<br/> Peak intensity        1.7 cd/lm<br/> LEDs/each optic     1<br/> Light colour          White<br/> Required components:</p> |    |    |
| <p><b>CREE</b><br/>LEDs</p> <p>LED                    XP-L HI<br/> FWHM / FWTM        36.0° / 65.0°<br/> Efficiency             86 %<br/> Peak intensity        1.8 cd/lm<br/> LEDs/each optic     1<br/> Light colour          White<br/> Required components:</p> |   |   |
| <p><b>CREE</b><br/>LEDs</p> <p>LED                    XT-E<br/> FWHM / FWTM        36.0°<br/> Efficiency             %<br/> Peak intensity        1.5 cd/lm<br/> LEDs/each optic     1<br/> Light colour          White<br/> Required components:</p>               |  |  |
| <p><b>LUMILEDS</b></p> <p>LED                    LUXEON A<br/> FWHM / FWTM        40.0°<br/> Efficiency             84 %<br/> LEDs/each optic     1<br/> Light colour          White<br/> Required components:</p>  |  |   |

### OPTICAL RESULTS (MEASURED):

#### LUMILEDS

LED LUXEON Rebel  
FWHM / FWTM 40.0°  
Efficiency 86 %  
LEDs/each optic 1  
Light colour White  
Required components:

#### LUMILEDS

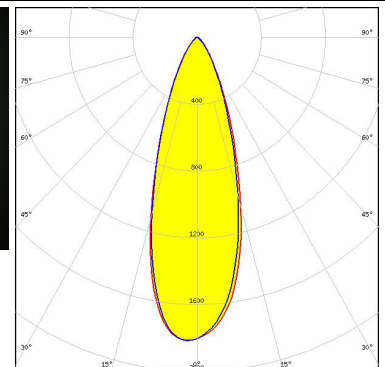
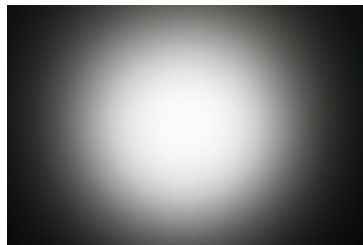
LED LUXEON Rebel ES  
FWHM / FWTM 40.0°  
Efficiency 88 %  
LEDs/each optic 1  
Light colour White  
Required components:

#### NICHIA

LED NCSxx19A  
FWHM / FWTM 40.0°  
Efficiency 86 %  
LEDs/each optic 1  
Light colour White  
Required components:

#### NICHIA

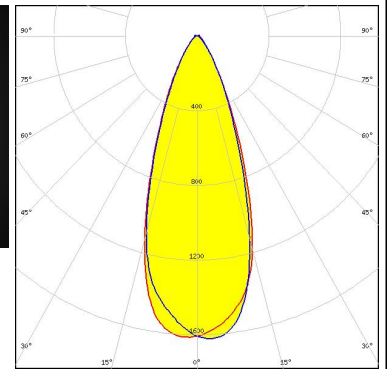
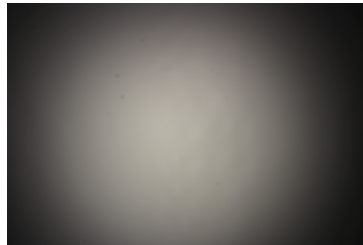
LED NS9x383  
FWHM / FWTM 34.0° / 67.0°  
Efficiency 84 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### OPTICAL RESULTS (MEASURED):



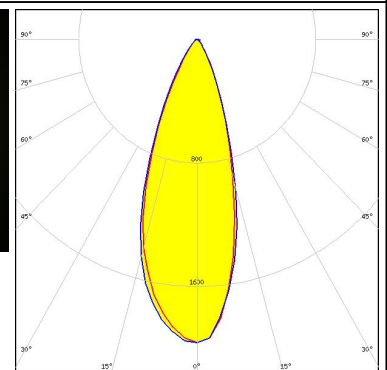
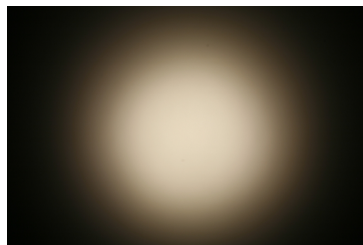
LED NVSW219F  
 FWHM / FWTM 38.0° / 69.0°  
 Efficiency 91 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NVSxx19A  
 FWHM / FWTM 40.0°  
 Efficiency 86 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED OSLON Square EC  
 FWHM / FWTM 38.0° / 68.0°  
 Efficiency 84 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



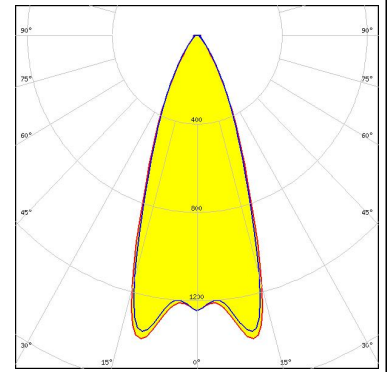
LED OSLON SSL 150  
 FWHM / FWTM 40.0°  
 Efficiency 86 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:

#### OPTICAL RESULTS (MEASURED):

#### OSRAM

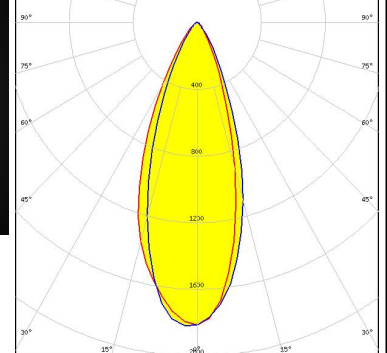
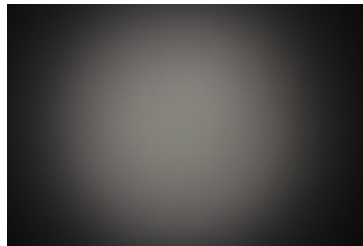
Opto Semiconductors

LED OSLON SSL 80  
 FWHM / FWTM 40.0° / 70.0°  
 Efficiency 86 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



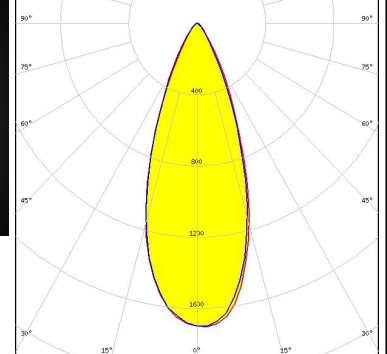
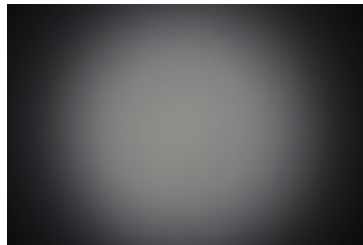
#### SAMSUNG

LED LH351B  
 FWHM / FWTM 38.0° / 68.0°  
 Efficiency 88 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### SAMSUNG


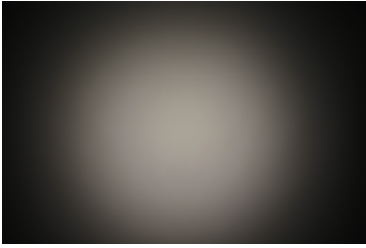
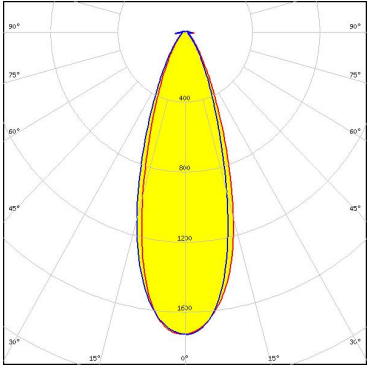
LED LH351Z  
 FWHM / FWTM 39.0° / 68.0°  
 Efficiency 85 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEOUL SEMICONDUCTOR

LED Z5  
 FWHM / FWTM 40.0°  
 Efficiency 86 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:

### OPTICAL RESULTS (MEASURED):

|  |                     |  |   |
|--|---------------------|--|---|
| <br>SEOUL SEMICONDUCTOR |                     |  |  |
| LED  | Z8Y22P              |  |   |
| FWHM / FWTM  | 34.0° / 67.0°       |  |   |
| Efficiency   | 89 %                |  |   |
| Peak intensity   | 1.7 cd/lm           |  |   |
| LEDs/each optic  | 1                   |  |   |
| Light colour   | White               |  |   |
| Required components:   |                     |  |   |
| <b>SHARP</b>   |                     |  |   |
| LED  | Double Dome (GM2BB) |  |   |
| FWHM / FWTM  | 40.0°               |  |   |
| Efficiency   | 86 %                |  |   |
| LEDs/each optic  | 1                   |  |   |
| Light colour   | White               |  |   |
| Required components:   |                     |  |   |

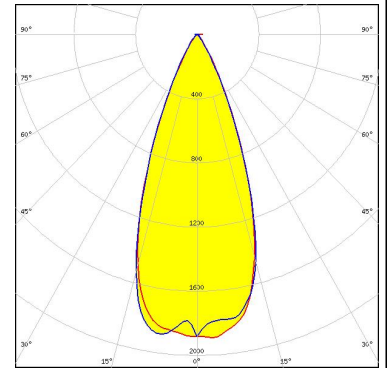
#### OPTICAL RESULTS (SIMULATED):



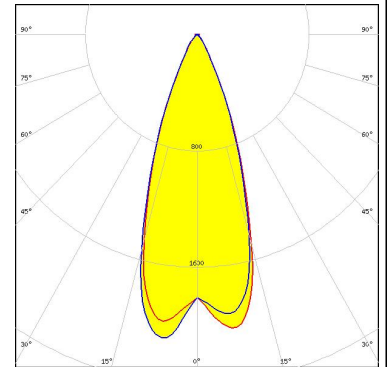
LED XM-L HVW  
 FWHM / FWTM 36.0°  
 Efficiency %  
 LEDs/each optic 1  
 Light colour White  
 Required components:



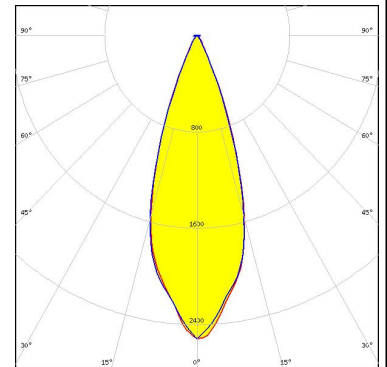
LED XP-G2 HE  
 FWHM / FWTM 41.0° / 63.0°  
 Efficiency 96 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XP-L2  
 FWHM / FWTM 38.0° / 60.0°  
 Efficiency 95 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON C  
 FWHM / FWTM 35.0° / 54.0°  
 Efficiency 93 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

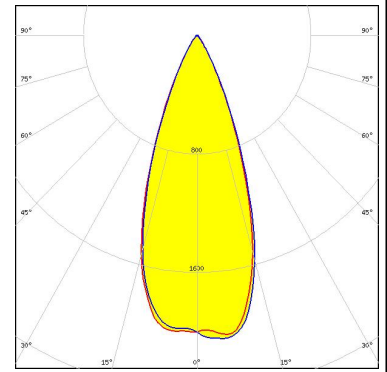




#### OPTICAL RESULTS (SIMULATED):

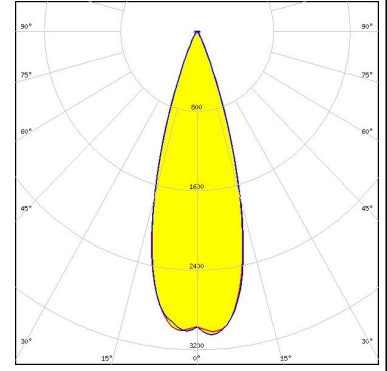
##### LUMILEDS

LED LUXEON HL2X  
 FWHM / FWTM 40.0° / 62.0°  
 Efficiency 97 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



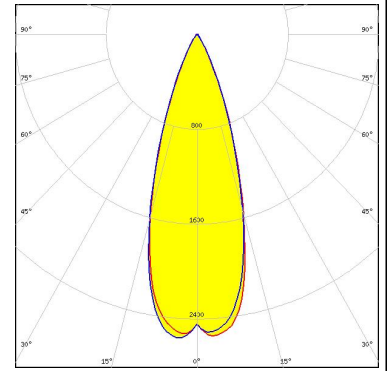
##### LUMILEDS

LED LUXEON HL2Z  
 FWHM / FWTM 32.0° / 50.0°  
 Efficiency 96 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



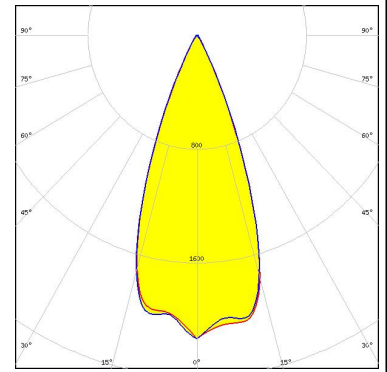
##### LUMILEDS

LED LUXEON MZ  
 FWHM / FWTM 34.0° / 56.0°  
 Efficiency 96 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

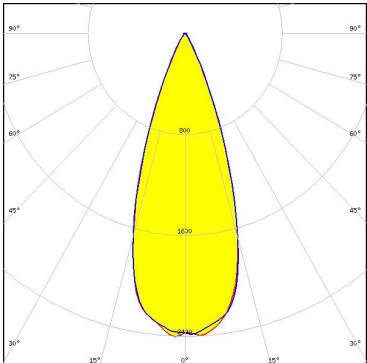
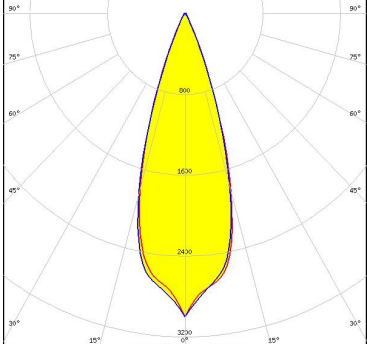
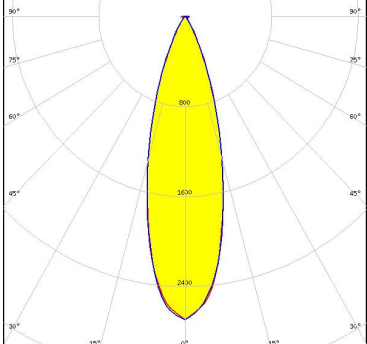
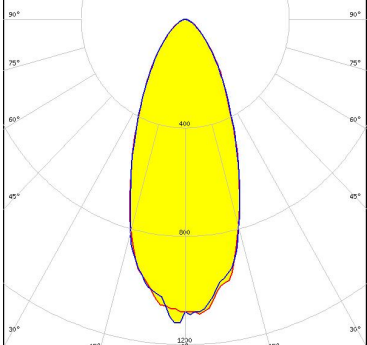


##### LUMILEDS

LED LUXEON SunPlus 20 Line (120 deg)  
 FWHM / FWTM 40.0° / 57.0°  
 Efficiency 97 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (SIMULATED):

|  |   |
|--|---|
| <p><b>LUMILEDS</b></p> <p>LED: LUXEON TX<br/>           FWHM / FWTM: 36.0° / 56.0°<br/>           Efficiency: 97 %<br/>           Peak intensity: 2.4 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p> |    |
| <p><b>LUMILEDS</b></p> <p>LED: LUXEON Z ES<br/>           FWHM / FWTM: 34.0° / 50.0°<br/>           Efficiency: 97 %<br/>           Peak intensity: 3 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p> |   |
| <p><b>NICHIA</b></p> <p>LED: NCSxE17A<br/>           FWHM / FWTM: 30.0° / 56.0°<br/>           Efficiency: 90 %<br/>           Peak intensity: 2.7 cd/lm<br/>           LEDs/each optic: 4<br/>           Light colour: White<br/>           Required components:</p>    |  |
| <p><b>NICHIA</b></p> <p>LED: NCSxx19B<br/>           FWHM / FWTM: 45.0°<br/>           Efficiency: 86 %<br/>           Peak intensity: 1 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p>              |  |

### OPTICAL RESULTS (SIMULATED):

|   |  |
|---|--|
| <p><b>OSRAM</b><br/>Opto Semiconductors</p> <p>LED OSCONIQ P 3030</p> <p>FWHM / FWTM 33.0° / 52.0°</p> <p>Efficiency 97 %</p> <p>Peak intensity 2.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>              |  |
| <p><b>OSRAM</b><br/>Opto Semiconductors</p> <p>LED OSLON Black</p> <p>FWHM / FWTM 36.0° / 49.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 2.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>                 |  |
| <p><b>OSRAM</b><br/>Opto Semiconductors</p> <p>LED OSLON Black Flat (LUW HWQP)</p> <p>FWHM / FWTM 32.0° / 45.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 3.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |

### 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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#### 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/  
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