

## WINNIE-W

~50° wide beam. Holder with 35 mm screw hole distance according to Zhaga standard. Compatible with Bender+Wirth 4xx Typ L5 connector.

### TECHNICAL SPECIFICATIONS:

|                |           |
|----------------|-----------|
| Dimensions     | Ø 49.8 mm |
| Height         | 19.3 mm   |
| Fastening      | screw     |
| ROHS compliant | yes ⓘ     |

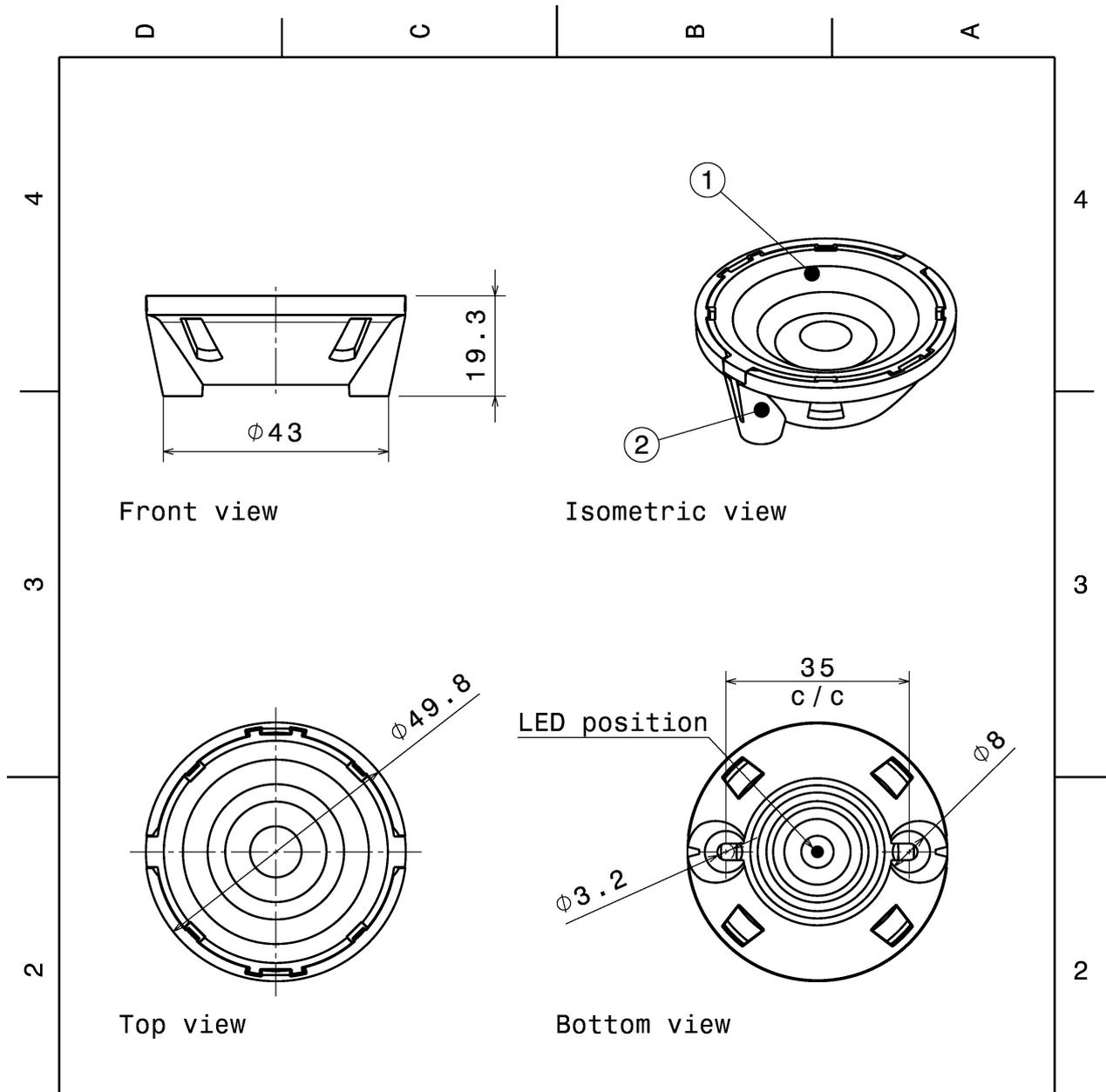
### MATERIAL SPECIFICATIONS:

| Component     | Type        | Material | Colour | Finish |
|---------------|-------------|----------|--------|--------|
| WINNIE-W      | Single lens | PMMA     |        |        |
| WINNIE-HOLDER | Holder      | PC       |        |        |

### ORDERING INFORMATION:

| Component        |             | Qty in box | MOQ | MPQ | Box weight (kg) |
|------------------|-------------|------------|-----|-----|-----------------|
| CN14238_WINNIE-W | Single lens | 364        | 84  | 28  | 0.0             |
| » Box size:      |             |            |     |     |                 |





| INDEX | PART NO | DESCRIPTION   | MATERIAL | COLOUR |
|-------|---------|---------------|----------|--------|
| 1     | C14234  | WINNIE-W      | PMMA     | clear  |
| 2     | C14235  | WINNIE-HOLDER | PC       | white  |

Tolerances if not otherwise shown  
According to DIN ISO 2768-1  
Linear measures:  
Up to 30mm class M, otherwise class C  
According to DIN ISO 2768-2  
Form and position: class L

**LEDiL**

Ledil Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE

**CN14238\_WINNIE-W**

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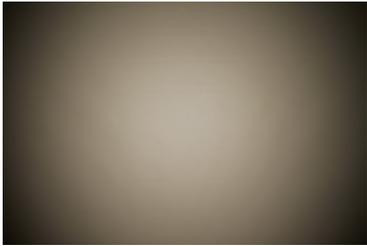
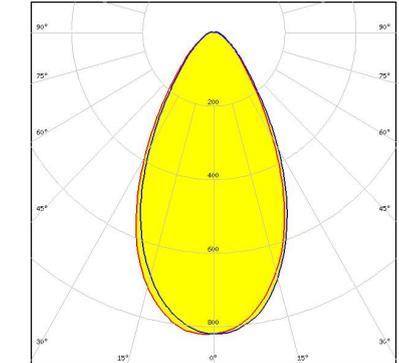
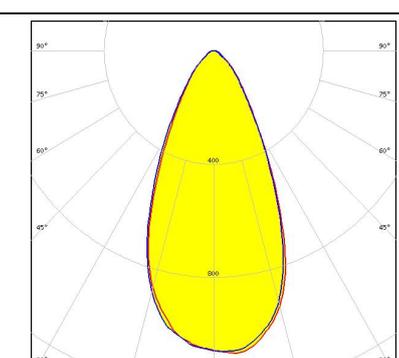
SIZE PART NUMBER

**A4**

**CN14238**

SCALE 1:1 WEIGHT 14,82 g SHEET 1/1

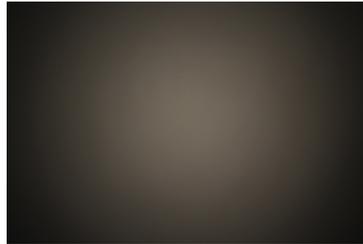
#### PHOTOMETRIC DATA (MEASURED):

|   |  |   |
|---|--|---|
| <p>bridgelux.</p> <p>LED V18 Gen6</p> <p>FWHM 56.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 0.820 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |    |    |
| <p>bridgelux.</p> <p>LED V6 Gen6</p> <p>FWHM 47.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 1.200 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>  |   |   |
| <p>bridgelux.</p> <p>LED V8 Gen6</p> <p>FWHM 48.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 1.100 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>  |  |   |
| <p>bridgelux.</p> <p>LED VERO10</p> <p>FWHM 49.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 1.100 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>   |  |  |

**PHOTOMETRIC DATA (MEASURED):**

**CITIZEN**

LED CLL01x  
FWHM 45.0°  
Efficiency 87 %  
Peak intensity 1.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



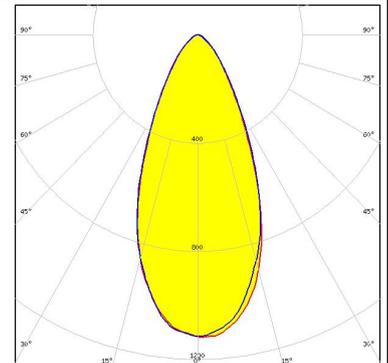
**CITIZEN**

LED CLL02x/CLU02x (LES10)  
FWHM 46.0°  
Efficiency 87 %  
Peak intensity 1.600 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



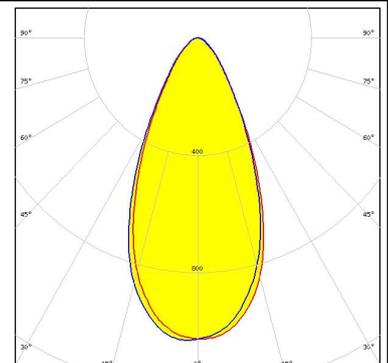
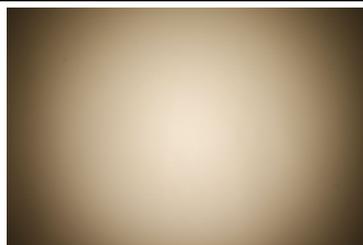
**CITIZEN**

LED CLL02x/CLU02x (LES10)  
FWHM 46.0°  
Efficiency 87 %  
Peak intensity 1.100 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 434 Typ L5



**CITIZEN**

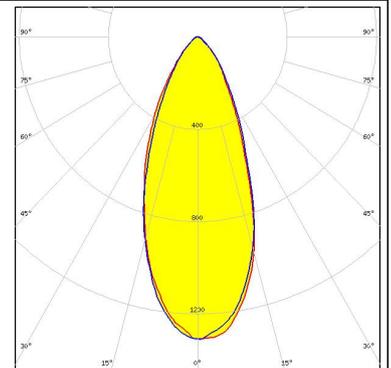
LED CLL03x/CLU03x  
FWHM 48.0°  
Efficiency 88 %  
Peak intensity 1.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 433 Typ L5



**PHOTOMETRIC DATA (MEASURED):**

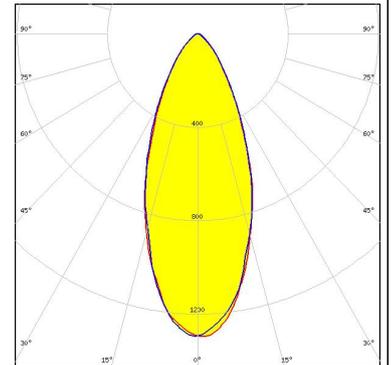
**CITIZEN**

LED CLU700/701/702  
 FWHM 42.0°  
 Efficiency 88 %  
 Peak intensity 1.300 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



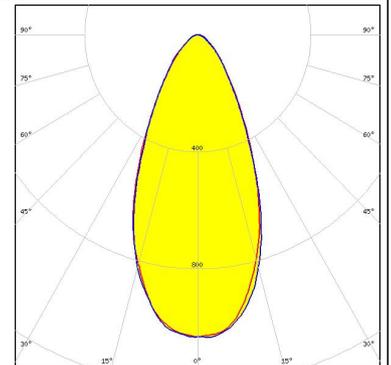
**CITIZEN**

LED CLU700/701/702  
 FWHM 42.0°  
 Efficiency 88 %  
 Peak intensity 1.300 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 434 Typ L5



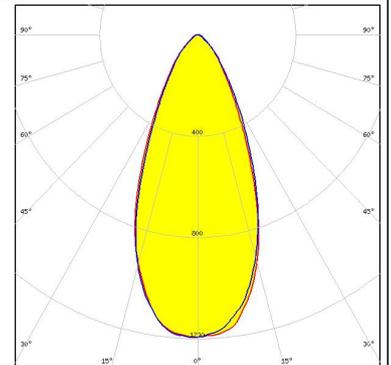
**CITIZEN**

LED CLU710/711  
 FWHM 47.0°  
 Efficiency 87 %  
 Peak intensity 1.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



**CITIZEN**

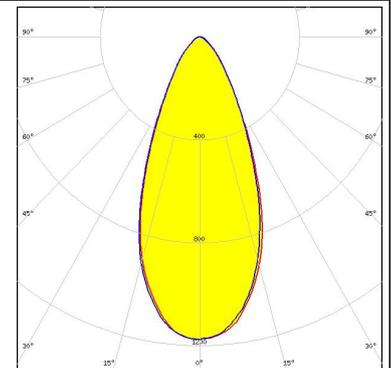
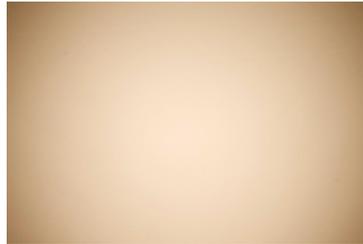
LED CLU710/711  
 FWHM 45.0°  
 Efficiency 88 %  
 Peak intensity 1.200 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 470 Typ L5



#### PHOTOMETRIC DATA (MEASURED):

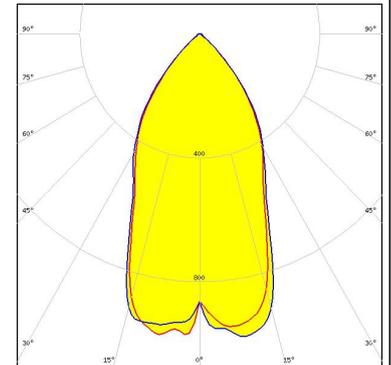
#### CITIZEN

LED CLU720/721  
 FWHM 45.0°  
 Efficiency 87 %  
 Peak intensity 1.200 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 433 Typ L5



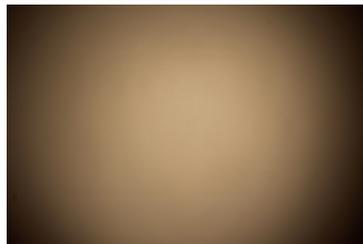
#### CREE

LED CXA/B 13xx  
 FWHM 51.0°  
 Efficiency 89 %  
 Peak intensity 1.100 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



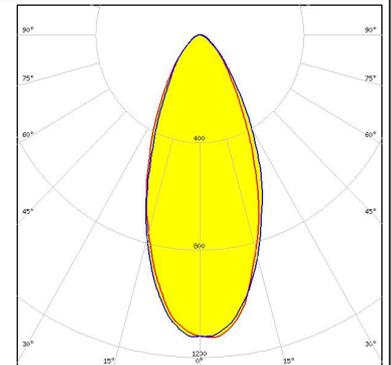
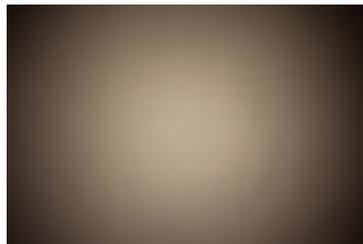
#### CREE

LED CXA/B 15xx  
 FWHM 52.0°  
 Efficiency 87 %  
 Peak intensity 1.100 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

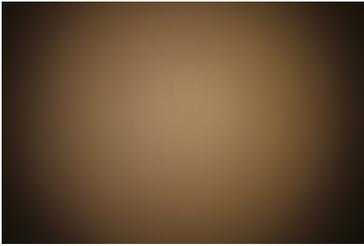
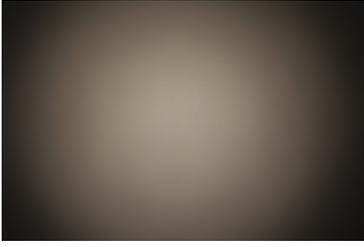


#### CREE

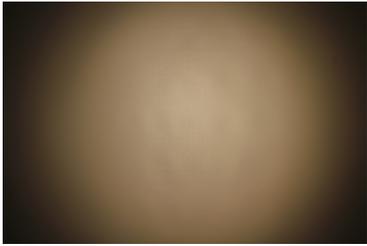
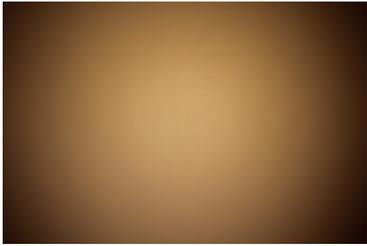
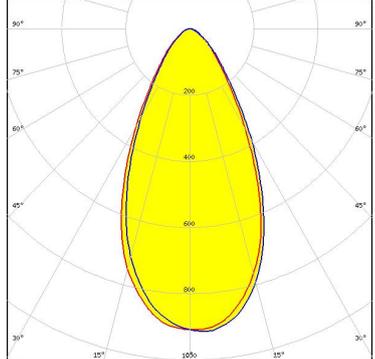
LED MHD-E/G  
 FWHM 45.0°  
 Efficiency 88 %  
 Peak intensity 1.100 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



## PHOTOMETRIC DATA (MEASURED):

|  |  |
|--|--|
| <br>LED LUXEON CoB 1202/1203<br>FWHM 48.0°<br>Efficiency 88 %<br>Peak intensity 1.100 cd/lm<br>LEDs/each optic 1<br>Light colour White<br>Required components: |    |
| <br>LED LUXEON CoB 1202s<br>FWHM 46.0°<br>Efficiency 89 %<br>Peak intensity 1.300 cd/lm<br>LEDs/each optic 1<br>Light colour White<br>Required components:     |   |
| <br>LED CxM-14 (19x19)<br>FWHM 50.0°<br>Efficiency 86 %<br>Peak intensity 1.000 cd/lm<br>LEDs/each optic 1<br>Light colour White<br>Required components:     |  |
| <br>LED CxM-9 (13.5x13.5)<br>FWHM 48.0°<br>Efficiency 90 %<br>Peak intensity 1.300 cd/lm<br>LEDs/each optic 1<br>Light colour White<br>Required components:  |  |

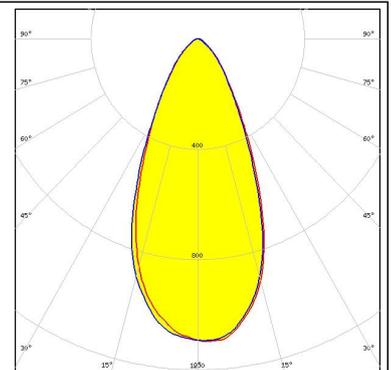
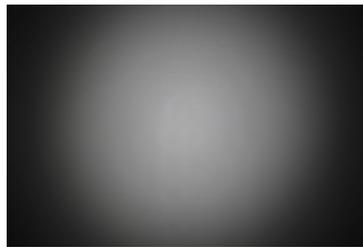
**PHOTOMETRIC DATA (MEASURED):**

|  |  |
|--|--|
| <p><b>OSRAM</b><br/>Opto Semiconductors</p> <p>LED Duris S10<br/>FWHM 54.0°<br/>Efficiency 88 %<br/>Peak intensity 1.000 cd/lm<br/>LEDs/each optic 1<br/>Light colour White<br/>Required components:</p>   |    |
| <p><b>OSRAM</b><br/>Opto Semiconductors</p> <p>LED Soleriq S13<br/>FWHM 49.0°<br/>Efficiency 87 %<br/>Peak intensity 1.000 cd/lm<br/>LEDs/each optic 1<br/>Light colour White<br/>Required components:</p> |   |
| <p><b>OSRAM</b><br/>Opto Semiconductors</p> <p>LED Soleriq S19<br/>FWHM 50.0°<br/>Efficiency 84 %<br/>Peak intensity 1.000 cd/lm<br/>LEDs/each optic 1<br/>Light colour White<br/>Required components:</p> |    |
| <p><b>SAMSUNG</b></p> <p>LED COB D Series LES 14.5 mm<br/>FWHM 52.0°<br/>Efficiency 85 %<br/>Peak intensity 0.920 cd/lm<br/>LEDs/each optic 1<br/>Light colour White<br/>Required components:</p>          |   |

#### PHOTOMETRIC DATA (MEASURED):

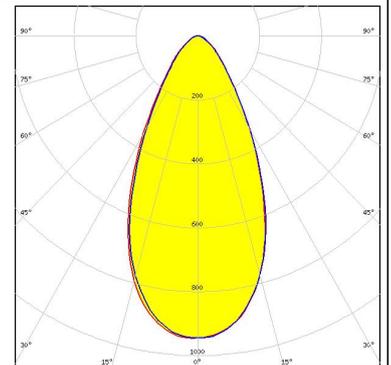
### SAMSUNG

LED COB D Series LES 9.8 mm  
 FWHM 47.0°  
 Efficiency 88 %  
 Peak intensity 1.100 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



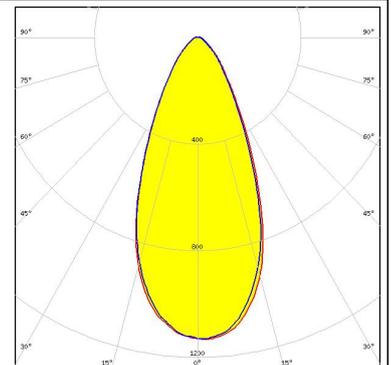
SEOUL SEMICONDUCTOR

LED MJT COB LES 14.5  
 FWHM 51.0°  
 Efficiency 84 %  
 Peak intensity 0.900 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 433 Typ L5



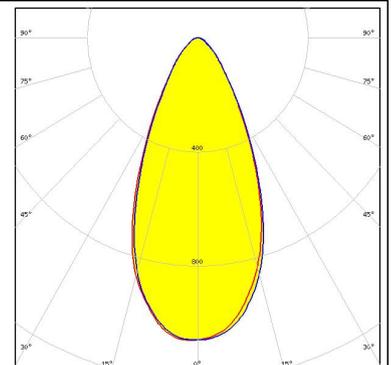
SEOUL SEMICONDUCTOR

LED MJT COB LES 9.8  
 FWHM 46.0°  
 Efficiency 90 %  
 Peak intensity 1.100 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 434 Typ L5



SEOUL SEMICONDUCTOR

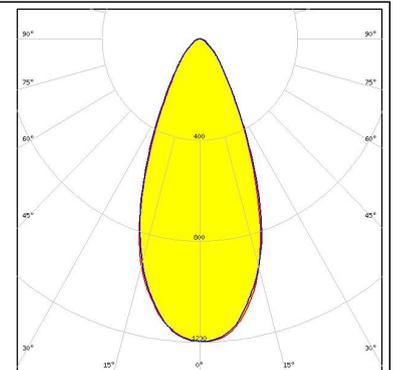
LED ZC12/18  
 FWHM 48.0°  
 Efficiency 89 %  
 Peak intensity 1.100 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 433 Typ L5



#### PHOTOMETRIC DATA (MEASURED):

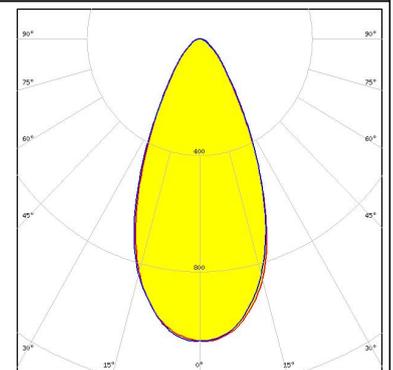
**VS LIGHTING SOLUTIONS**

LED DMC 124 / 125  
FWHM 45.0°  
Efficiency 89 %  
Peak intensity 1.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 433 Typ L5



**VS LIGHTING SOLUTIONS**

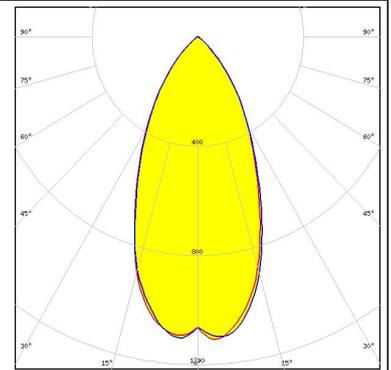
LED DMC 128  
FWHM 49.0°  
Efficiency 88 %  
Peak intensity 1.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 433 Typ L5



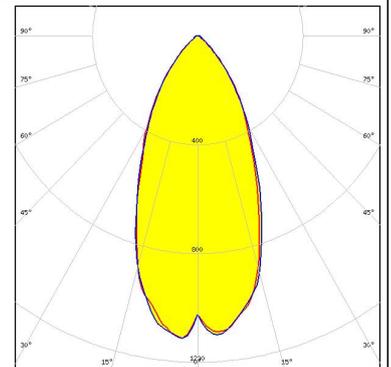
#### PHOTOMETRIC DATA (SIMULATED):



LED CXA/B 15xx  
 FWHM 48.0°  
 Efficiency 86 %  
 Peak intensity 1.110 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14305\_STELLA-CLAMP-CXA15-18



LED LUXEON CoB 1202/1203  
 FWHM 47.0°  
 Efficiency 89 %  
 Peak intensity 1.167 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 441 Typ L5



LED LUXEON CoB Compact  
 FWHM 46.0°  
 Efficiency 89 %  
 Peak intensity 1.300 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON M/MX  
 FWHM 56.0°  
 Efficiency 94 %  
 Peak intensity 0.909 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

### PHOTOMETRIC DATA (SIMULATED):



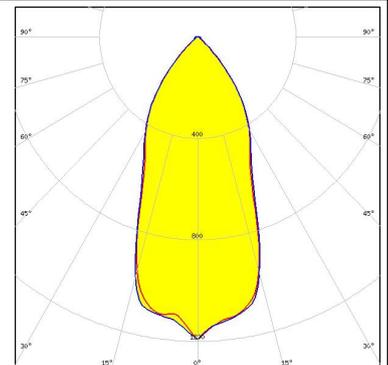
LED CxM-14 (19x19)  
FWHM 48.0°  
Efficiency 88 %  
Peak intensity 1.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 433 Typ L5



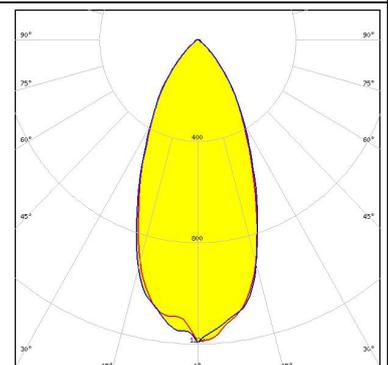
LED CxM-9 (13.5x13.5)  
FWHM 46.0°  
Efficiency 87 %  
Peak intensity 1.100 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 434 Typ L5



LED COB S-Type (LES 6)  
FWHM 44.0°  
Efficiency 92 %  
Peak intensity 1.193 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



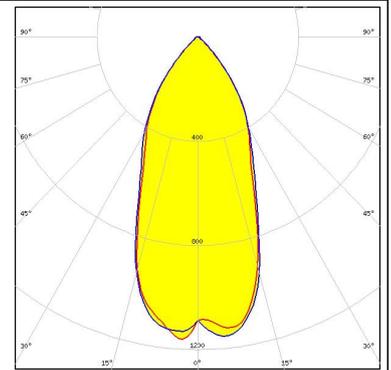
LED Soleriq S9  
FWHM 45.0°  
Efficiency 90 %  
Peak intensity 1.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### PHOTOMETRIC DATA (SIMULATED):

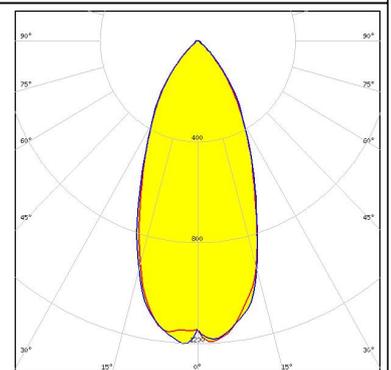
### SAMSUNG

LED LC010C  
FWHM 45.0°  
Efficiency 91 %  
Peak intensity 1.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 479 Typ L5



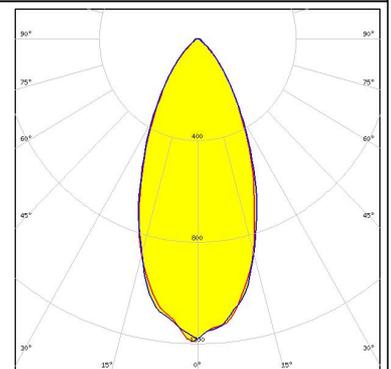
### SAMSUNG

LED LC020C  
FWHM 45.0°  
Efficiency 89 %  
Peak intensity 1.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 479 Typ L5



### SAMSUNG

LED LC040C  
FWHM 45.0°  
Efficiency 88 %  
Peak intensity 1.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 479 Typ L5



SEOUL SEMICONDUCTOR

LED ZC4/6  
FWHM 46.0°  
Efficiency 87 %  
Peak intensity 1.100 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 434 Typ L5

### 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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

### 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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FI-24240 SALO  
Finland

#### LEDiL Inc.

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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

Salo, Finland  
Hong Kong, China

#### Distribution Partners

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