

## 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:

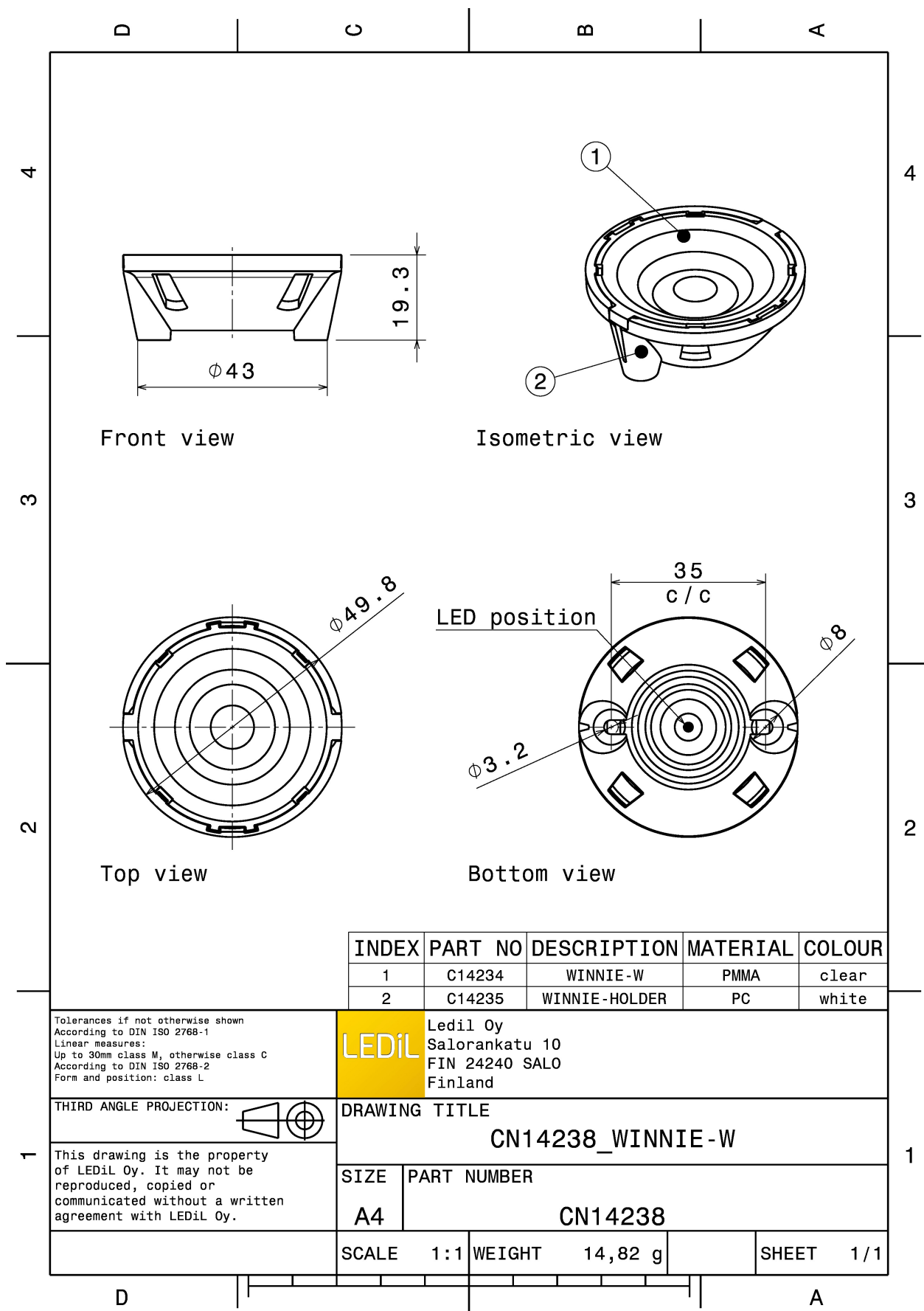
| Component            | Type        | Material | Colour | Finish |
|----------------------|-------------|----------|--------|--------|
| C14234_WINNIE-W      | Single lens | PMMA     | clear  |        |
| C14235_WINNIE-HOLDER | Holder      | PC       | white  |        |

### ORDERING INFORMATION:

#### Quantities for one set:

|             |   |
|-------------|---|
| Single lens | 1 |
| Holder      | 1 |

| Component  |             | Qty in box | MOQ | MPQ | Box weight (kg) |
|--|-------------|------------|-----|-----|-----------------|
| C14234_WINNIE-W<br>» Box size: 480 x 280 x 300 mm      | Single lens | 364        | 84  | 28  | 5.6             |
| C14235_WINNIE-HOLDER<br>» Box size: 480 x 280 x 300 mm | Holder      | 1820       | 84  | 28  | 7.2             |

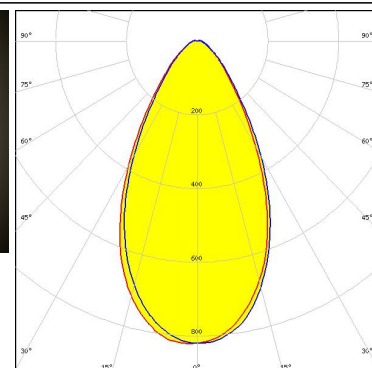
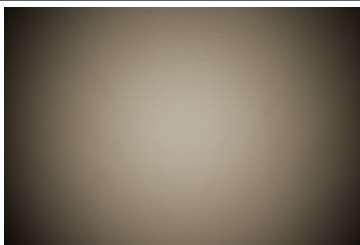


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

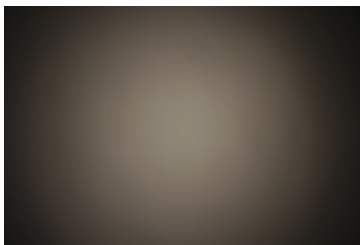
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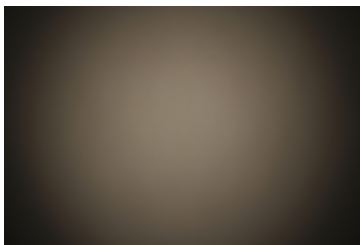
LED V18 Gen6  
FWHM / FWTM 56.0° / 102.0°  
Efficiency 88 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



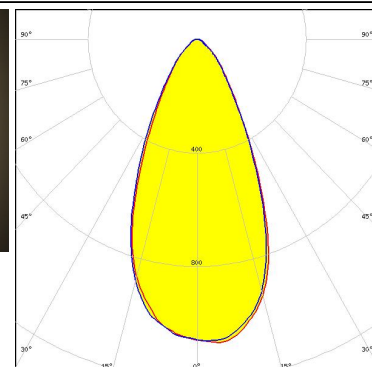
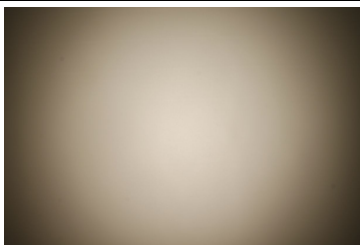
LED V6 Gen6  
FWHM / FWTM 47.0° / 92.0°  
Efficiency 87 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED V8 Gen6  
FWHM / FWTM 48.0° / 92.0°  
Efficiency 88 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED VERO10  
FWHM / FWTM 49.0° / 90.0°  
Efficiency 90 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

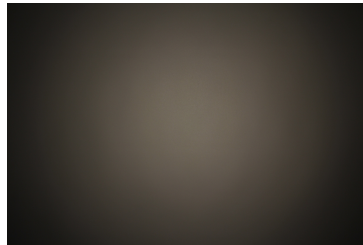




### PHOTOMETRIC DATA (MEASURED):

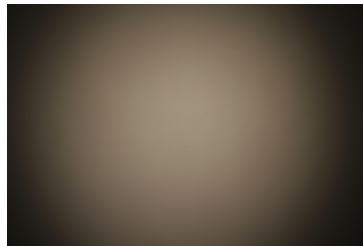
#### CITIZEN

LED CLL01x  
FWHM / FWTM 45.0° / 90.0°  
Efficiency 87 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



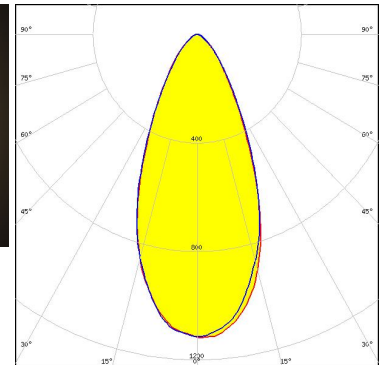
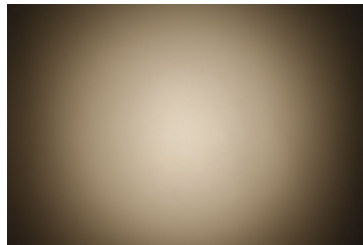
#### CITIZEN

LED CLL02x/CLU02x (LES10)  
FWHM / FWTM 46.0° / 90.0°  
Efficiency 87 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



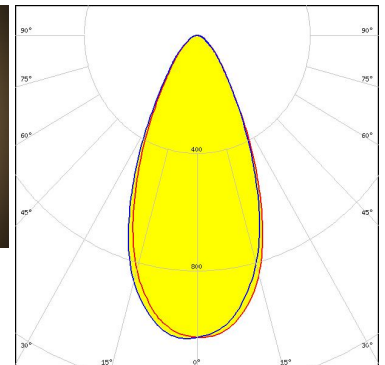
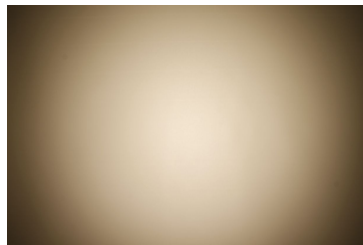
#### CITIZEN

LED CLL02x/CLU02x (LES10)  
FWHM / FWTM 46.0° / 88.0°  
Efficiency 87 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 434 Typ L5



#### CITIZEN

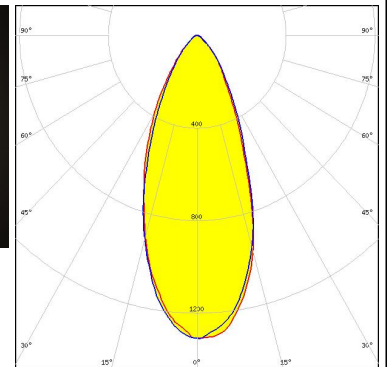
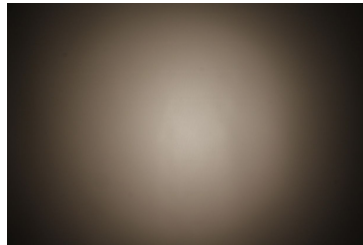
LED CLL03x/CLU03x  
FWHM / FWTM 48.0° / 91.0°  
Efficiency 88 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 433 Typ L5



### PHOTOMETRIC DATA (MEASURED):

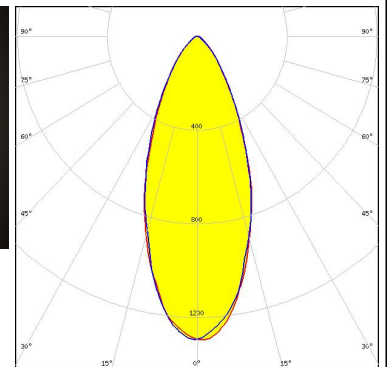
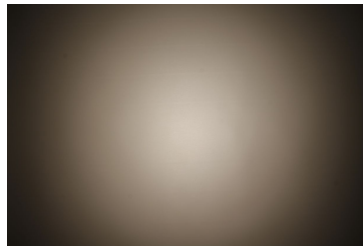
#### CITIZEN

LED CLU700/701/702  
FWHM / FWTM 42.0° / 83.0°  
Efficiency 88 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



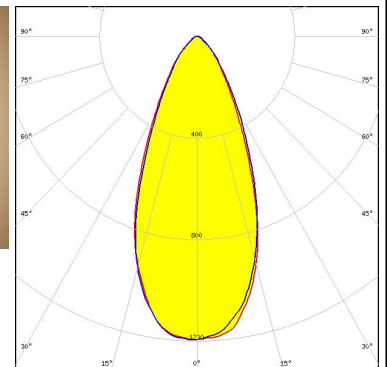
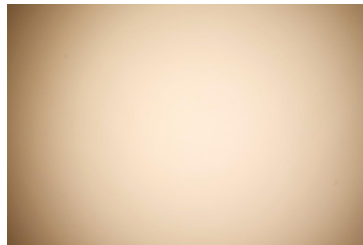
#### CITIZEN

LED CLU700/701/702  
FWHM / FWTM 42.0° / 84.0°  
Efficiency 88 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 434 Typ L5



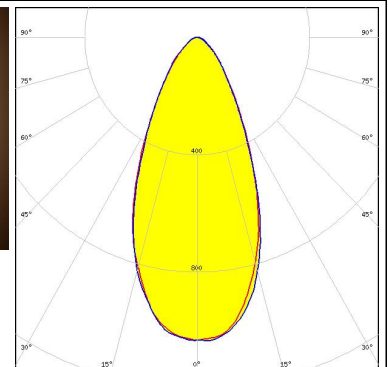
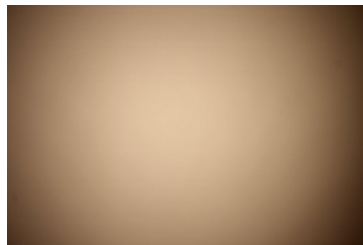
#### CITIZEN

LED CLU710/711  
FWHM / FWTM 45.0° / 86.0°  
Efficiency 88 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 470 Typ L5



#### CITIZEN

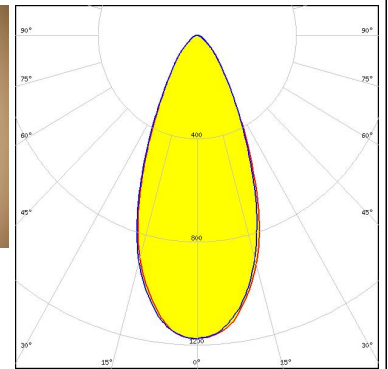
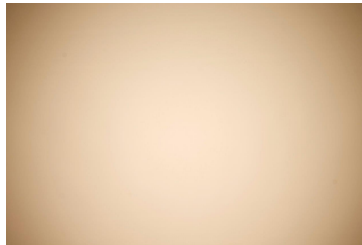
LED CLU710/711  
FWHM / FWTM 47.0° / 93.0°  
Efficiency 87 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### PHOTOMETRIC DATA (MEASURED):

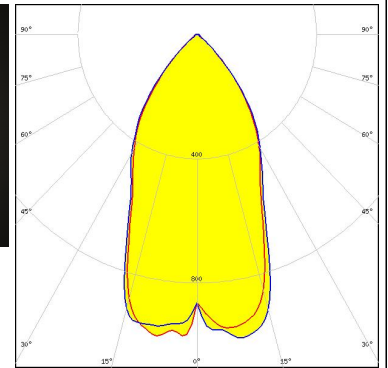
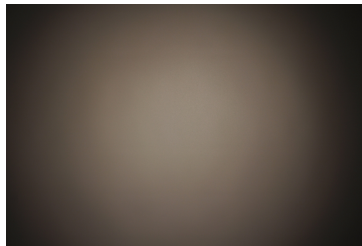
#### CITIZEN

LED CLU720/721  
FWHM / FWTM 45.0° / 85.0°  
Efficiency 87 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 433 Typ L5



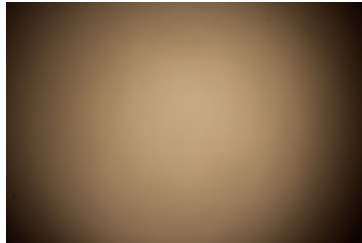
#### CREE LED

LED CXA/B 13xx  
FWHM / FWTM 51.0° / 96.0°  
Efficiency 89 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



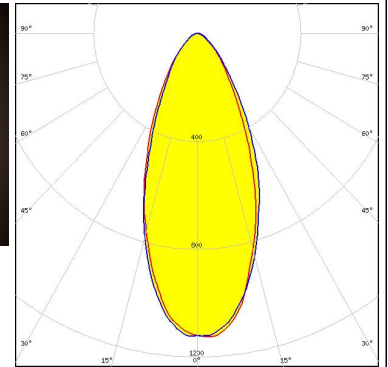
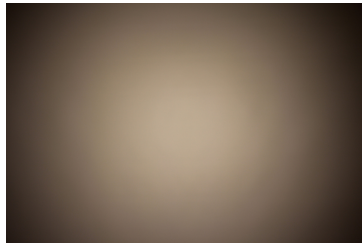
#### CREE LED

LED CXA/B 15xx  
FWHM / FWTM 52.0° / 96.0°  
Efficiency 87 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### CREE LED

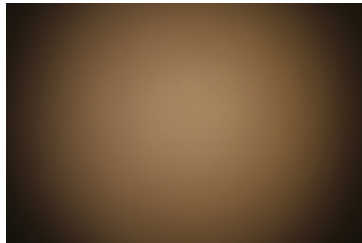
LED MHD-E/G  
FWHM / FWTM 45.0° / 91.0°  
Efficiency 88 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### PHOTOMETRIC DATA (MEASURED):

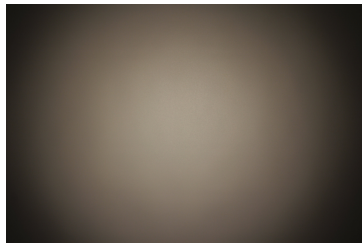
#### LUMILEDS

LED LUXEON CoB 1202/1203  
FWHM / FWTM 48.0° / 94.0°  
Efficiency 88 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



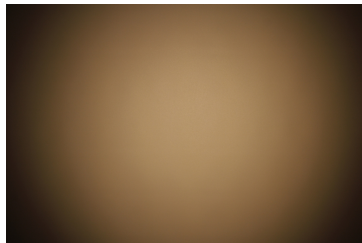
#### LUMILEDS

LED LUXEON CoB 1202s  
FWHM / FWTM 46.0° / 90.0°  
Efficiency 89 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



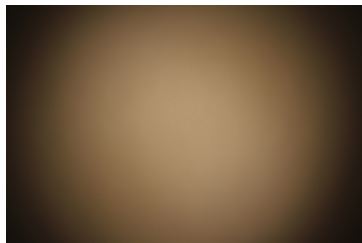
#### LUMINUS

LED CxM-14 (19x19)  
FWHM / FWTM 50.0° / 96.0°  
Efficiency 86 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### LUMINUS

LED CxM-9 (13.5x13.5)  
FWHM / FWTM 48.0° / 92.0°  
Efficiency 90 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

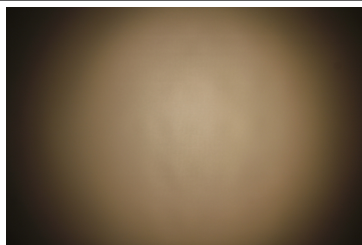


### PHOTOMETRIC DATA (MEASURED):

#### OSRAM

Opto Semiconductors

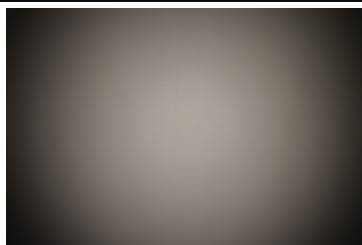
LED Duris S10  
FWHM / FWTM 54.0° / 90.0°  
Efficiency 88 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### OSRAM

Opto Semiconductors

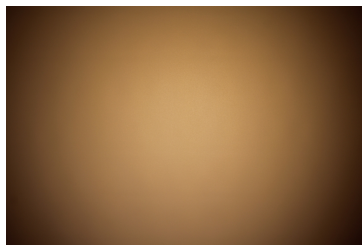
LED Soleriq S13  
FWHM / FWTM 49.0° / 92.0°  
Efficiency 87 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### OSRAM

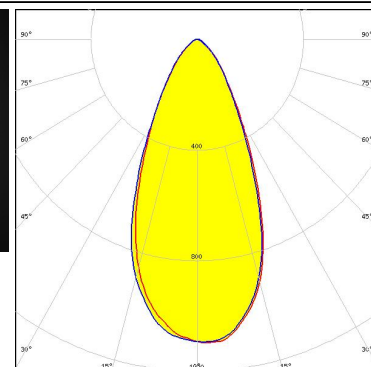
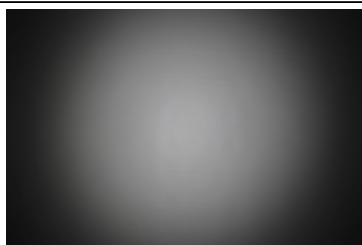
Opto Semiconductors

LED Soleriq S19  
FWHM / FWTM 50.0° / 94.0°  
Efficiency 84 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### SAMSUNG

LED LC003D / LC006D / LC009D / LC013D  
FWHM / FWTM 47.0° / 89.0°  
Efficiency 88 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

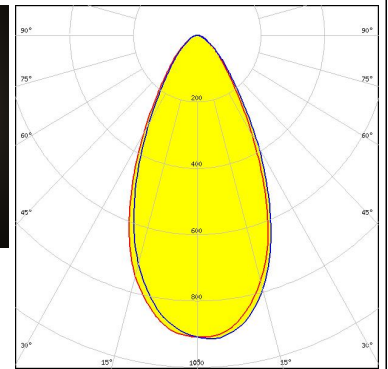
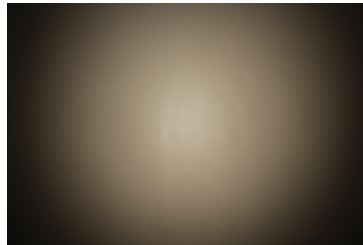




### PHOTOMETRIC DATA (MEASURED):

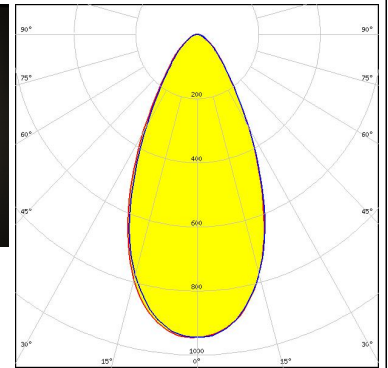
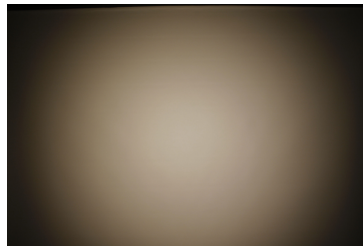
#### SAMSUNG

LED LC016D / LC019D / LC026D / LC033D  
FWHM / FWTM 52.0° / 96.0°  
Efficiency 85 %  
Peak intensity 0.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



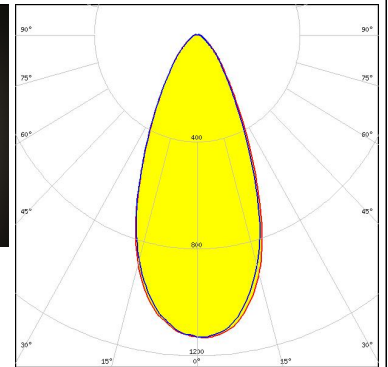
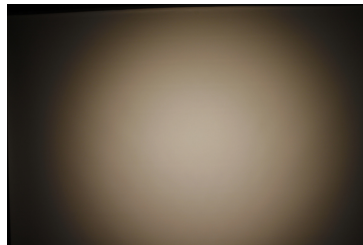
SEOUL SEMICONDUCTOR

LED MJT COB LES 14.5  
FWHM / FWTM 51.0° / 96.0°  
Efficiency 84 %  
Peak intensity 0.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 433 Typ L5



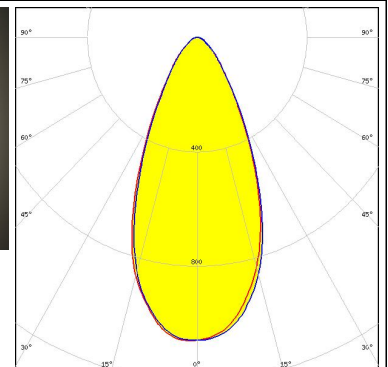
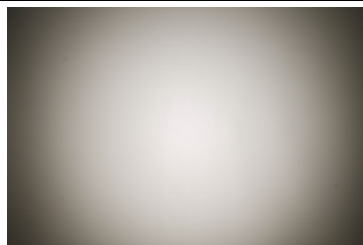
SEOUL SEMICONDUCTOR

LED MJT COB LES 9.8  
FWHM / FWTM 46.0° / 88.0°  
Efficiency 90 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 434 Typ L5



SEOUL SEMICONDUCTOR

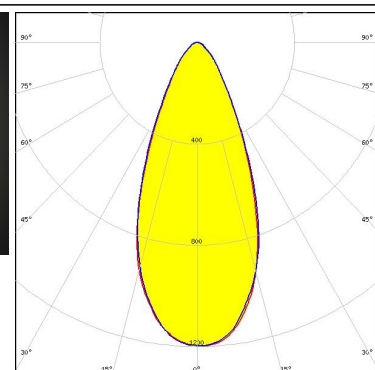
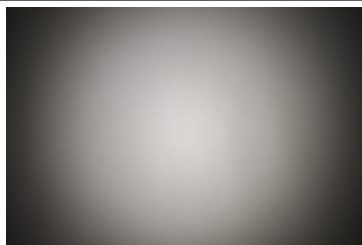
LED ZC12/18  
FWHM / FWTM 48.0° / 90.0°  
Efficiency 89 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 433 Typ L5



### PHOTOMETRIC DATA (MEASURED):

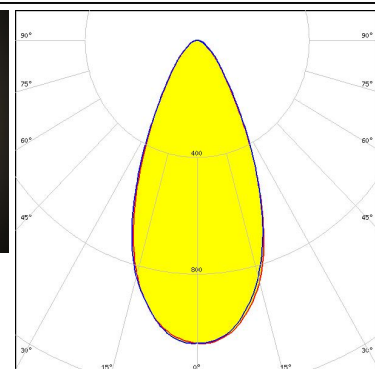
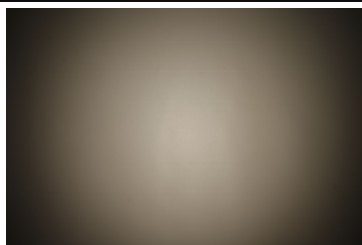
#### VS LIGHTING SOLUTIONS

LED DMC 124 / 125  
FWHM / FWTM 45.0° / 84.0°  
Efficiency 89 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 433 Typ L5



#### VS LIGHTING SOLUTIONS

LED DMC 128  
FWHM / FWTM 49.0° / 90.0°  
Efficiency 88 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 433 Typ L5

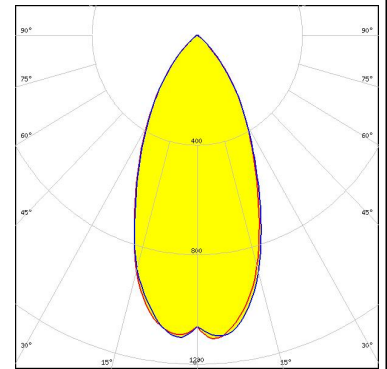




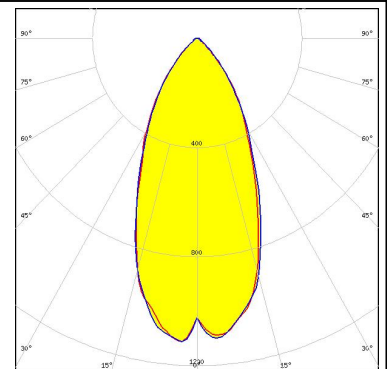
### PHOTOMETRIC DATA (SIMULATED):



LED CXA/B 15xx  
FWHM / FWTM 48.0° / 88.0°  
Efficiency 86 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14305\_STELLA-CLAMP-CXA15-18



LED LUXEON CoB 1202/1203  
FWHM / FWTM 47.0° / 88.0°  
Efficiency 89 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 441 Typ L5



LED LUXEON CoB Compact  
FWHM / FWTM 46.0° / 90.0°  
Efficiency 89 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON M/MX  
FWHM / FWTM 56.0° / 98.0°  
Efficiency 94 %  
Peak intensity 0.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

### PHOTOMETRIC DATA (SIMULATED):



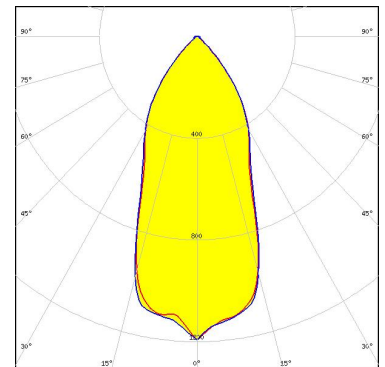
LED CxM-14 (19x19)  
 FWHM / FWTM 48.0° / 91.0°  
 Efficiency 88 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 433 Typ L5



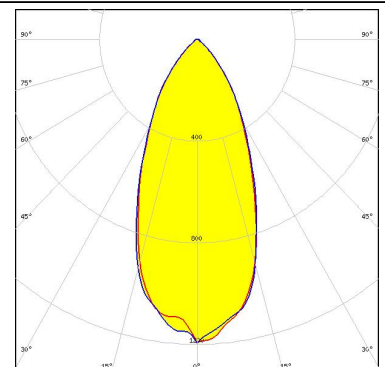
LED CxM-9 (13.5x13.5)  
 FWHM / FWTM 46.0° / 88.0°  
 Efficiency 87 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 434 Typ L5



LED COB S-Type (LES 6)  
 FWHM / FWTM 44.0° / 90.0°  
 Efficiency 92 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



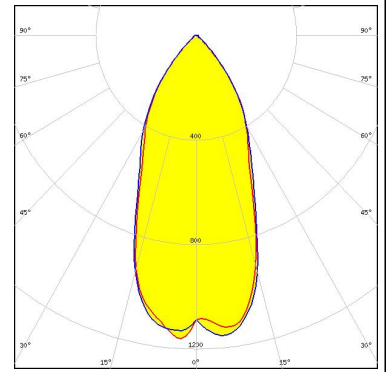
LED Soleriq S9  
 FWHM / FWTM 45.0° / 87.0°  
 Efficiency 90 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (SIMULATED):

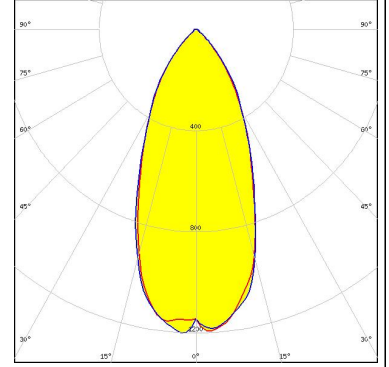
#### SAMSUNG

LED LC010C  
FWHM / FWTM 45.0° / 88.0°  
Efficiency 91 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 479 Typ L5



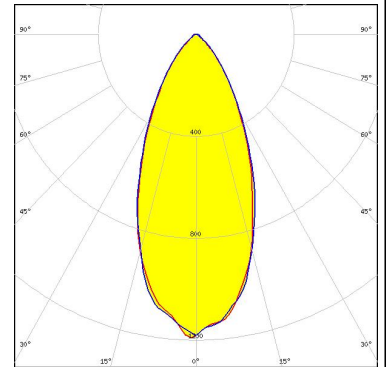
#### SAMSUNG

LED LC020C  
FWHM / FWTM 45.0° / 86.0°  
Efficiency 89 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 479 Typ L5



#### SAMSUNG

LED LC040C  
FWHM / FWTM 45.0° / 86.0°  
Efficiency 88 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 479 Typ L5



SEOUL SEMICONDUCTOR

LED ZC4/6  
FWHM / FWTM 46.0° / 88.0°  
Efficiency 87 %  
Peak intensity 1.1 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.

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