

### RONDA-ZT45

Double asymmetric beam for wall-washing and aisle lighting with holder A compatible with 3rd party connectors from TE, Bender+Wirth and IDEAL

#### SPECIFICATION:

|                |           |
|----------------|-----------|
| Dimensions     | Ø 69.9 mm |
| Height         | 15 mm     |
| Fastening      | socket    |
| ROHS compliant | yes ⓘ     |



#### MATERIALS:

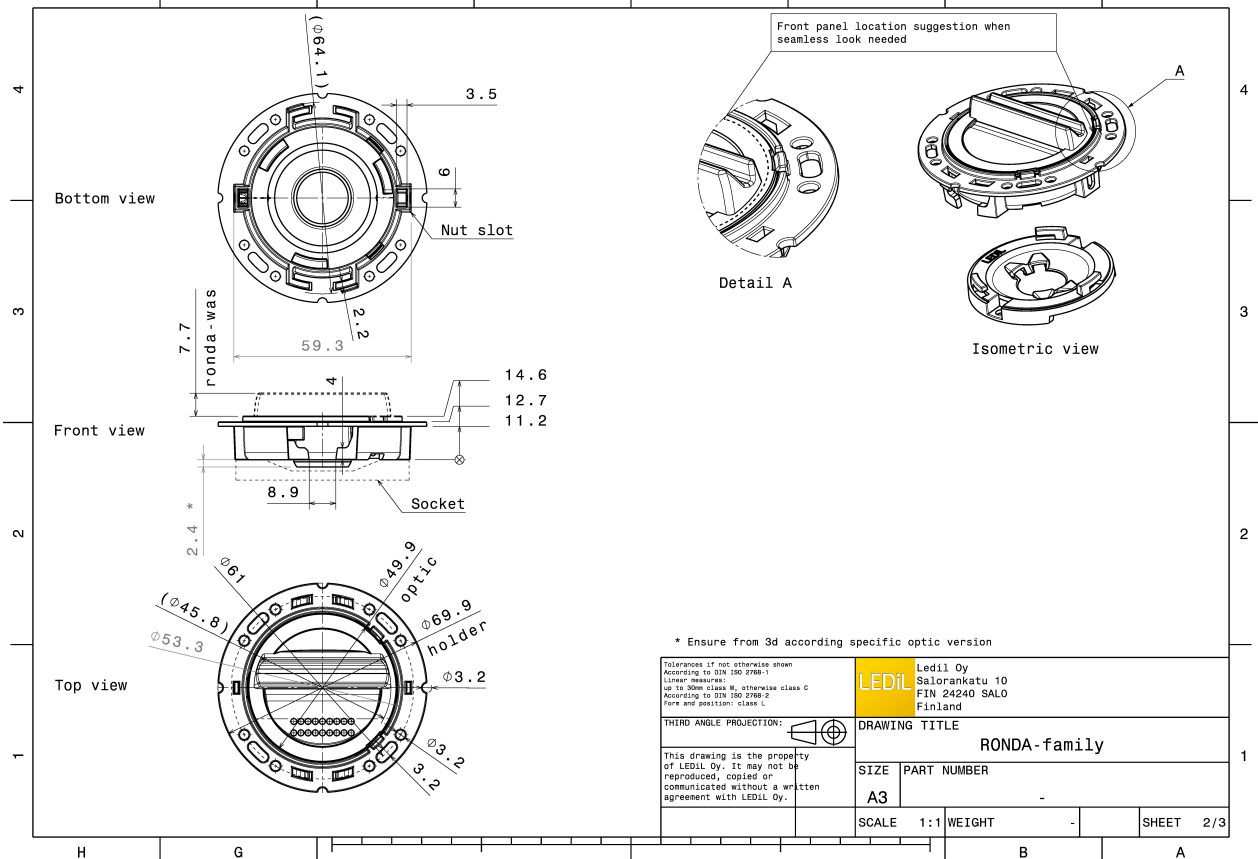
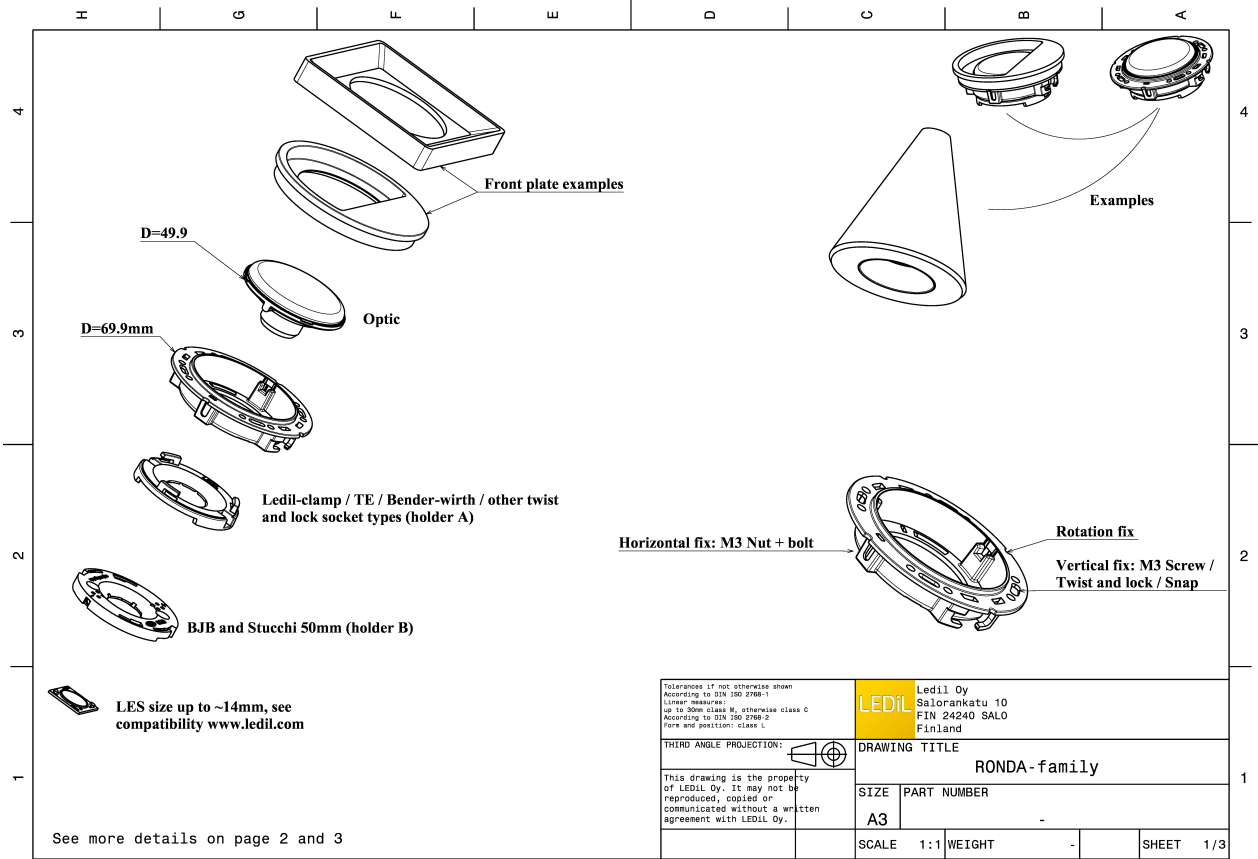
| Component          | Type        | Material | Colour | Finish |
|--------------------|-------------|----------|--------|--------|
| F15159_RONDA-ZT45  | Single lens | PMMA     | clear  |        |
| F15155_RONDA-HLD-A | Holder      | PC       | white  |        |

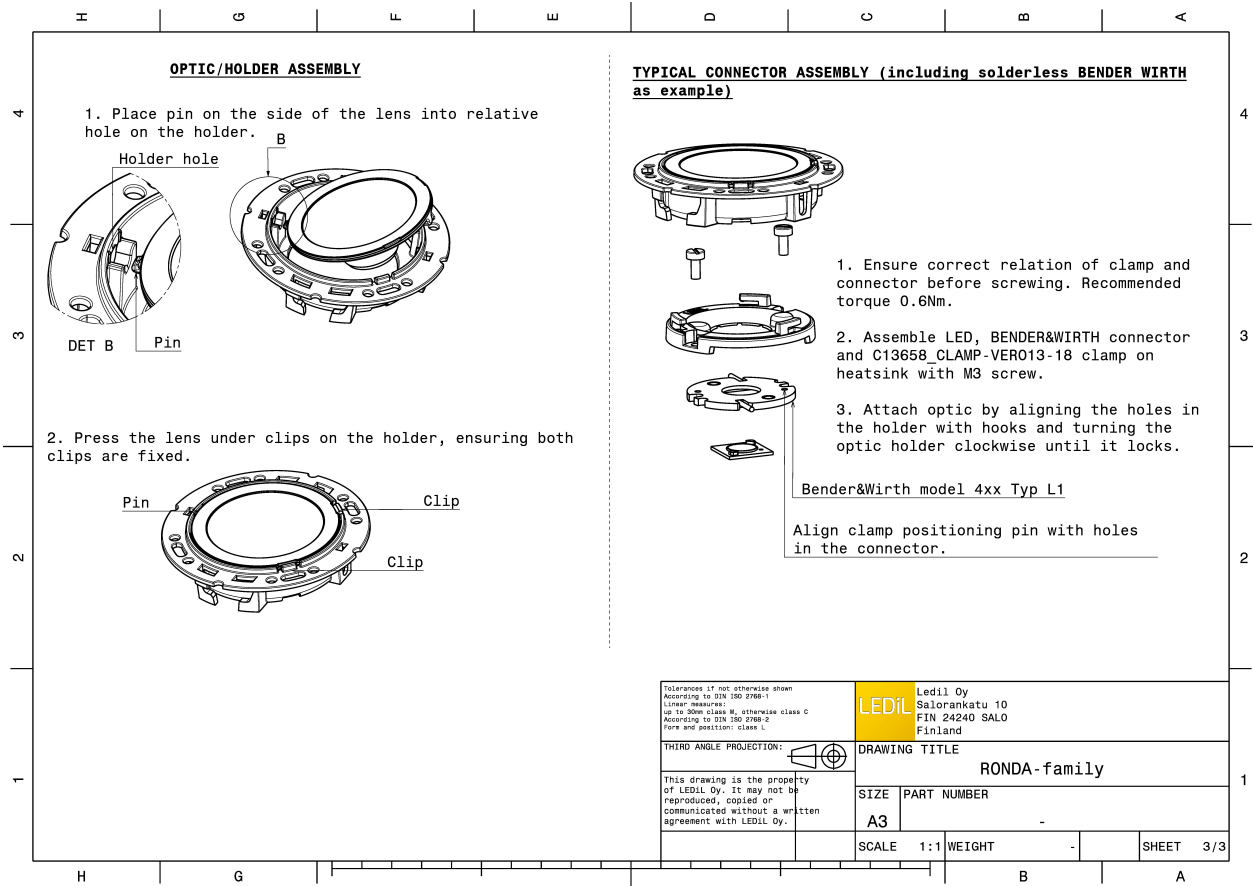
#### ORDERING INFORMATION:

##### Quantities for one set:

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


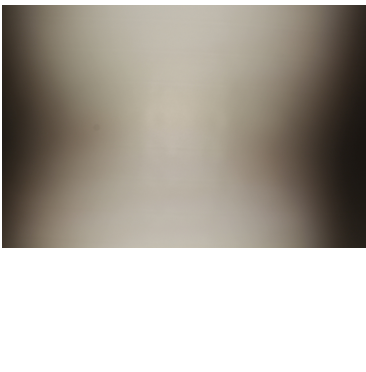
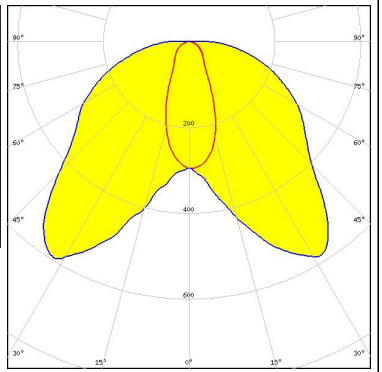


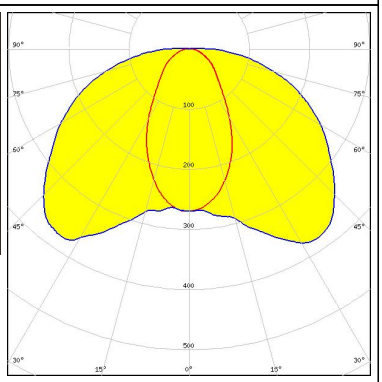


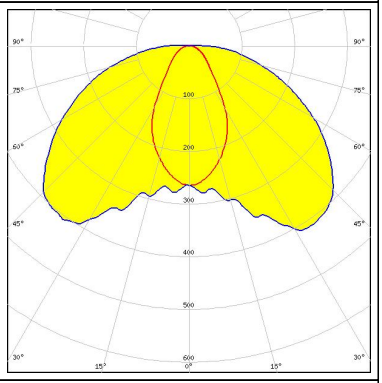


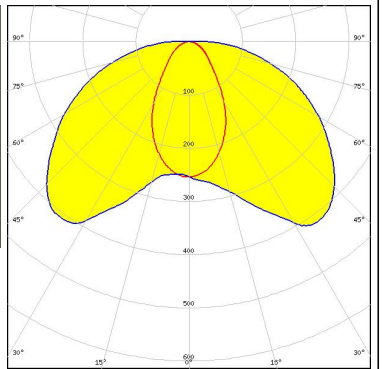
| Component                      |             | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|-------------|------------|-----|-----|-----------------|
| F15159_RONDA-ZT45              | Single lens | 420        | 120 | 30  | 6.5             |
| » Box size: 480 x 280 x 300 mm |             |            |     |     |                 |
| F15155_RONDA-HLD-A             | Holder      | 420        | 120 | 30  | 4.4             |
| » 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)

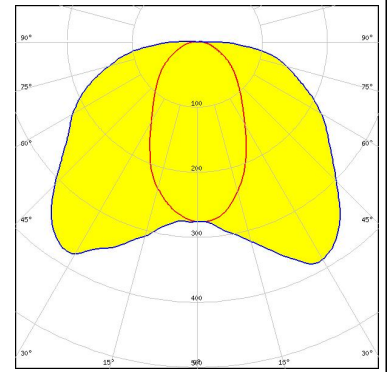
### OPTICAL RESULTS (MEASURED):

|   |  |   |
|---|--|---|
| <p></p> <p>LED V10 Gen7<br/>           FWHM / FWTM Asymmetric<br/>           Efficiency 88 %<br/>           Peak intensity 0.6 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White</p> <p>Required components:<br/>           C13658_CLAMP-VERO13-18<br/>           Bender Wirth: 486 Typ L1</p> |    |    |
| <p></p> <p>LED V13 Gen7<br/>           FWHM / FWTM Asymmetric<br/>           Efficiency 83 %<br/>           Peak intensity 0.4 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White</p> <p>Required components:<br/>           TE Connectivity: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>    |   |   |
| <p></p> <p>LED Vero SE 13<br/>           FWHM / FWTM Asymmetric<br/>           Efficiency 88 %<br/>           Peak intensity 0.4 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White</p> <p>Required components:<br/>           C16402_CLAMP-VEROSE-13-18</p>                                  |  |  |
| <p></p> <p>LED VERO13<br/>           FWHM / FWTM Asymmetric<br/>           Efficiency 89 %<br/>           Peak intensity 0.4 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White</p> <p>Required components:<br/>           C13658_CLAMP-VERO13-18</p>   |  |  |

### OPTICAL RESULTS (MEASURED):

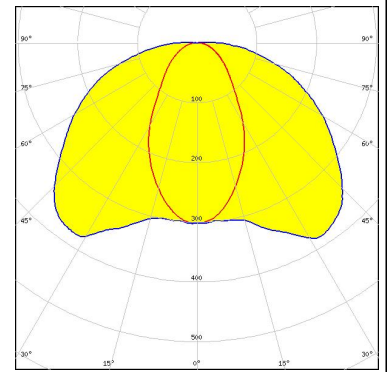
#### CITIZEN

LED CLL03x/CLU03x  
 FWHM / FWTM Asymmetric  
 Efficiency 83 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 IDEAL: 50-2103CT + 50-2100AN



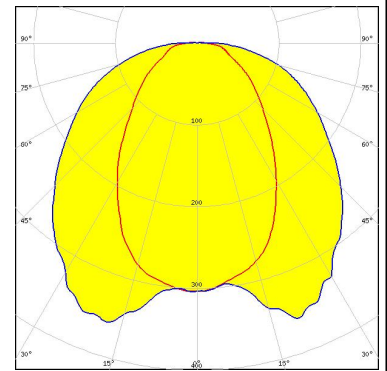
#### CITIZEN

LED CLL03x/CLU03x  
 FWHM / FWTM Asymmetric  
 Efficiency 86 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16791\_CLAMP-Z45-A  
 TE Connectivity: 2325807-3



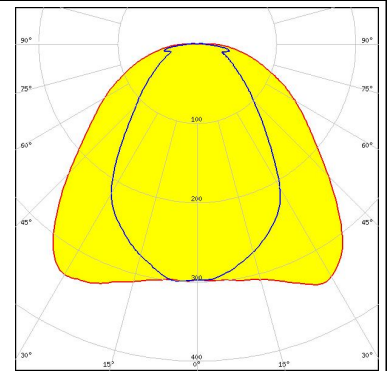
#### CITIZEN

LED CLL04x/CLU04x  
 FWHM / FWTM Asymmetric  
 Efficiency 84 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 IDEAL: 50-2204-CT + 50-2100AN



#### CITIZEN

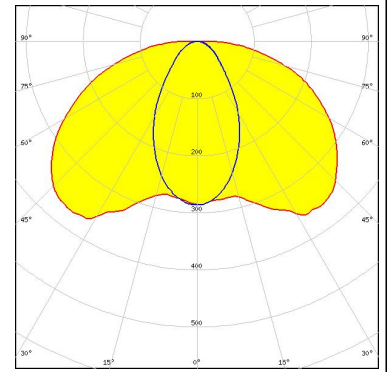
LED CLU730/731/733  
 FWHM / FWTM Asymmetric  
 Efficiency 85 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 IDEAL: 50-2204-CT + 50-2100AN



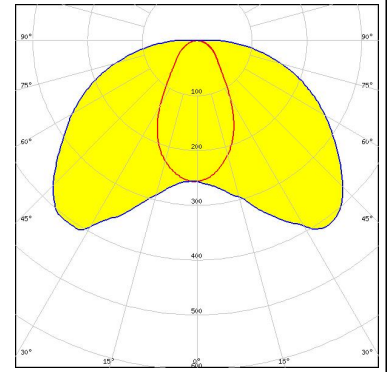
### OPTICAL RESULTS (MEASURED):



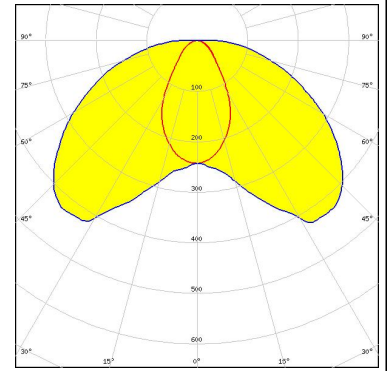
LED CMA1840  
 FWHM / FWTM Asymmetric  
 Efficiency 89 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14123\_CLAMP-CXA15-18



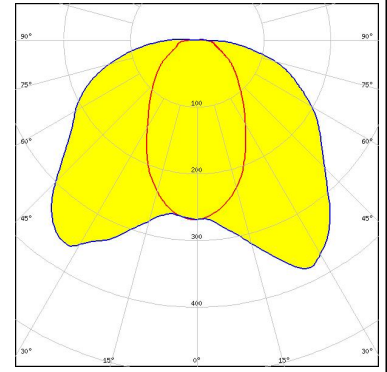
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
 FWHM / FWTM Asymmetric  
 Efficiency 87 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 TE Connectivity: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1



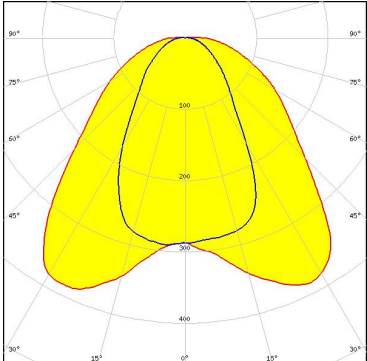
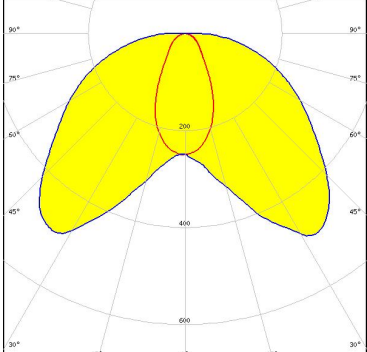
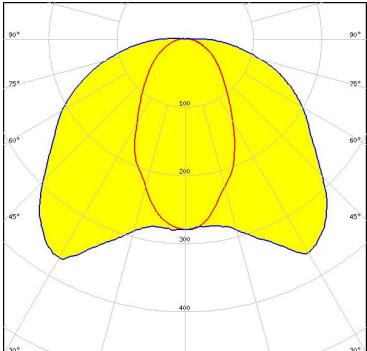
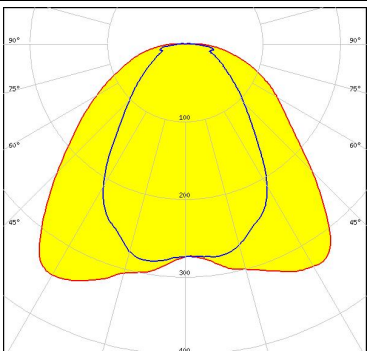
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
 FWHM / FWTM Asymmetric  
 Efficiency 90 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14123\_CLAMP-CXA15-18



LED COB J-Type  
 FWHM / FWTM Asymmetric  
 Efficiency 83 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 IDEAL: 50-2103NC + 50-2100AN



### OPTICAL RESULTS (MEASURED):

|  |   |
|--|---|
| <p><b>NICHIA</b></p> <p>LED COB L-Type (LES 11)<br/>           FWHM / FWTM Asymmetric<br/>           Efficiency 84 %<br/>           Peak intensity 0.5 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:<br/>           IDEAL: 50-2100NC + 50-2100AN</p>                                      |    |
| <p><b>NICHIA</b></p> <p>LED COB L-Type (LES 11)<br/>           FWHM / FWTM Asymmetric<br/>           Efficiency 87 %<br/>           Peak intensity 0.5 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:<br/>           TE Connectivity: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>       |   |
| <p><b>OSRAM</b></p> <p>LED PrevaLED Core G7 L15 H1<br/>           FWHM / FWTM Asymmetric<br/>           Efficiency 78 %<br/>           Peak intensity 0.4 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:<br/>           C16685_CLAMP-PRV-A</p>   |  |
| <p><b>OSRAM</b><br/> <small>Opto Semiconductors</small></p> <p>LED Soleriq S13 19x19<br/>           FWHM / FWTM Asymmetric<br/>           Efficiency 84 %<br/>           Peak intensity 0.4 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:<br/>           IDEAL: 50-2103CT + 50-2100AN</p> |  |



### OPTICAL RESULTS (MEASURED):

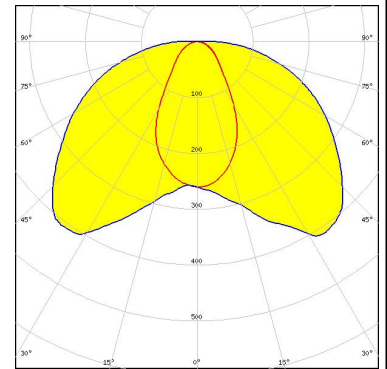
#### OSRAM

Opto Semiconductors

LED Soleriq S13 19x19  
FWHM / FWTM Asymmetric  
Efficiency 86 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White

Required components:

TE Connectivity: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1

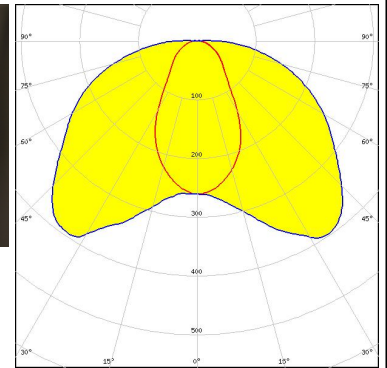
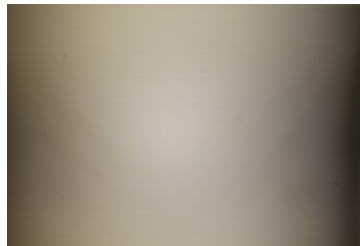


#### PHILIPS

LED Fortimo SLM L13 + SLM holder  
FWHM / FWTM Asymmetric  
Efficiency 83 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White

Required components:

TE Connectivity: OPTIC CLIP Z50 TYPE1 2213194-1

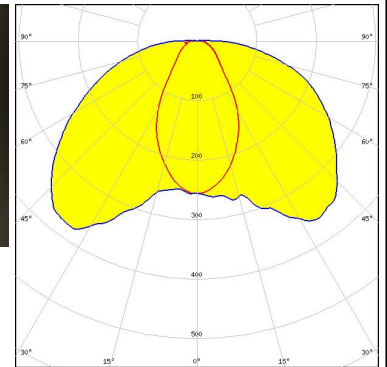
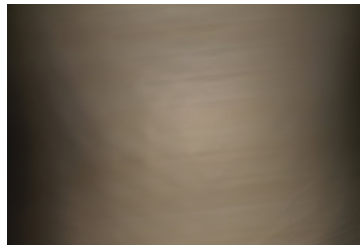


#### PHILIPS

LED Fortimo SLM L13 CoB  
FWHM / FWTM Asymmetric  
Efficiency 83 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White

Required components:

TE Connectivity: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1

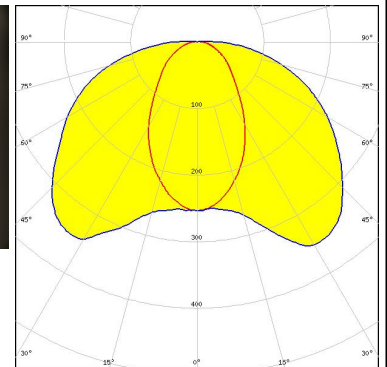
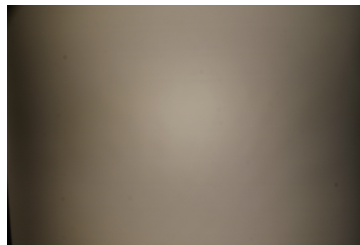


#### PHILIPS

LED Fortimo SLM L15 + SLM holder  
FWHM / FWTM Asymmetric  
Efficiency 82 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White

Required components:

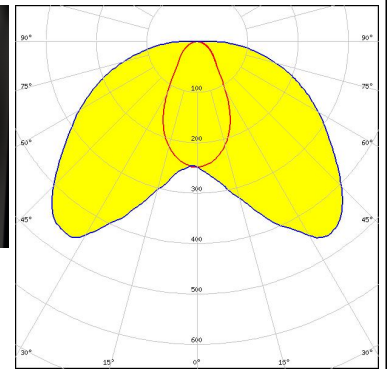
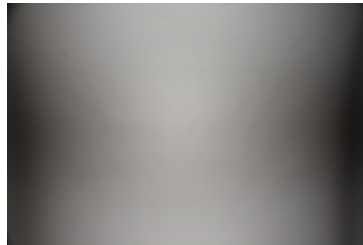
TE Connectivity: OPTIC CLIP Z50 TYPE1 2213194-1



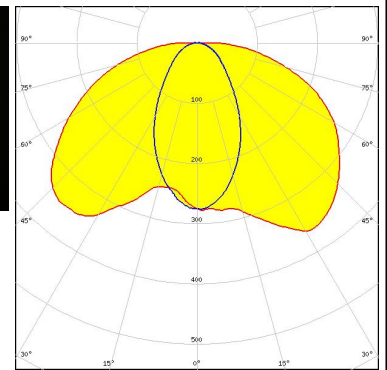
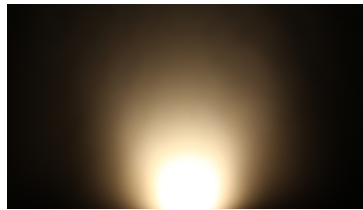
### OPTICAL RESULTS (MEASURED):

#### SAMSUNG

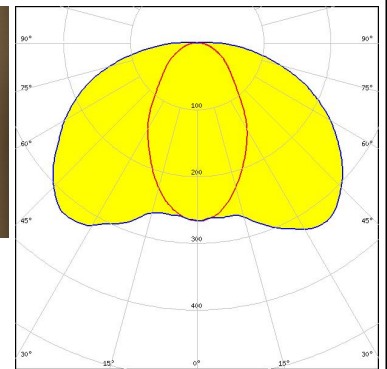
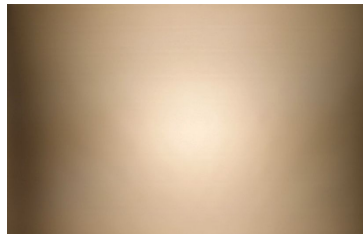
LED LC040C  
 FWHM / FWTM Asymmetric  
 Efficiency 88 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 TE Connectivity: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



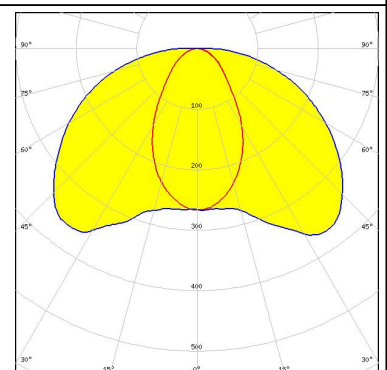
**SEOL**  
 SEOUL SEMICONDUCTOR  
 LED AC Zhaga COB  
 FWHM / FWTM Asymmetric  
 Efficiency 86 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Optosource: SEHSMJD-A



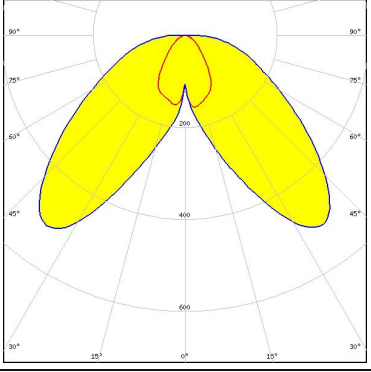
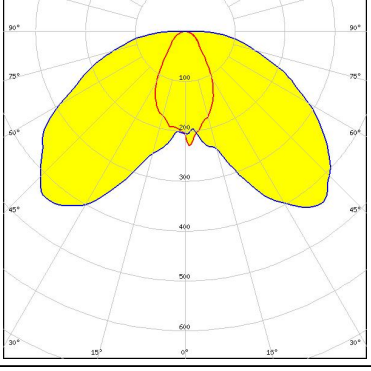
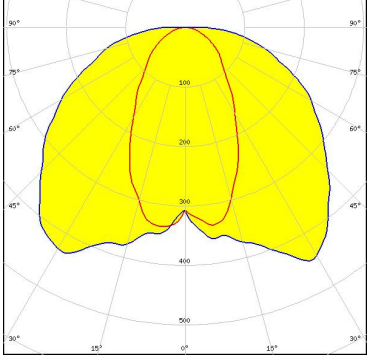
**SEOL**  
 SEOUL SEMICONDUCTOR  
 LED MJT COB LES 14.5  
 FWHM / FWTM Asymmetric  
 Efficiency 81 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 TE Connectivity: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



**VS LIGHTING SOLUTIONS**  
 LED WU-M-484  
 FWHM / FWTM Asymmetric  
 Efficiency 85 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 TE Connectivity: OPTIC CLIP Z50 TYPE1 2213194-1



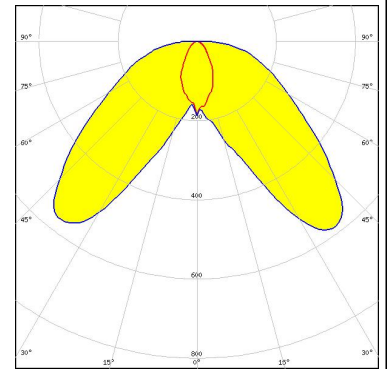
### OPTICAL RESULTS (SIMULATED):

|   |   |
|---|---|
| <p>bridgelux.</p> <p>LED V10 Gen6<br/>           FWHM / FWTM Asymmetric<br/>           Efficiency 86 %<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:<br/>           C13658_CLAMP-VERO13-18<br/>           Bender Wirth: 455 Typ L1</p>   |    |
| <p>bridgelux.</p> <p>LED V10 Gen6<br/>           FWHM / FWTM Asymmetric<br/>           Efficiency 86 %<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:<br/>           C14123_CLAMP-CXA15-18</p>  |   |
| <p>bridgelux.</p> <p>LED V13 Gen7<br/>           FWHM / FWTM Asymmetric<br/>           Efficiency 86 %<br/>           Peak intensity 0.4 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:<br/>           C13658_CLAMP-VERO13-18<br/>           Bender Wirth: 477 Typ L1</p> |  |
| <p>bridgelux.</p> <p>LED V13 Gen7<br/>           FWHM / FWTM Asymmetric<br/>           Efficiency 90 %<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:<br/>           IDEAL: 50-2103CT + 50-2100AN</p>   |  |

### OPTICAL RESULTS (SIMULATED):

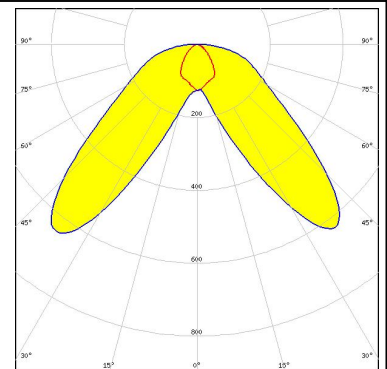
#### CITIZEN

LED CLL02x/CLU02x (LES10)  
 FWHM / FWTM Asymmetric  
 Efficiency 86 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13658\_CLAMP-VERO13-18  
 Bender Wirth: 434 Typ L1



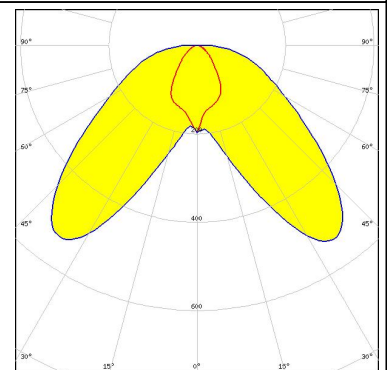
#### CITIZEN

LED CLU700/701/702/703  
 FWHM / FWTM Asymmetric  
 Efficiency 87 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13658\_CLAMP-VERO13-18  
 Bender Wirth: 434 Typ L1

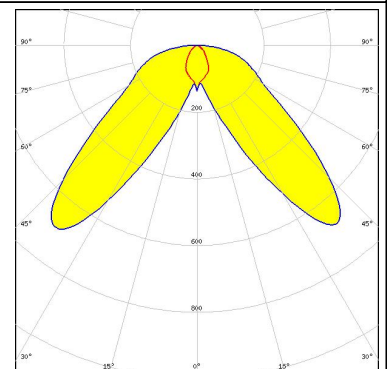


#### CITIZEN

LED CLU710/711  
 FWHM / FWTM Asymmetric  
 Efficiency 87 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13658\_CLAMP-VERO13-18  
 Bender Wirth: 470 Typ L1



LED CXA/B 13xx  
 FWHM / FWTM Asymmetric  
 Efficiency 88 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C13658\_CLAMP-VERO13-18  
 Bender Wirth: 448 Typ L1



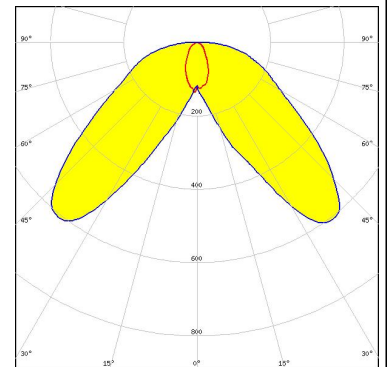
### OPTICAL RESULTS (SIMULATED):



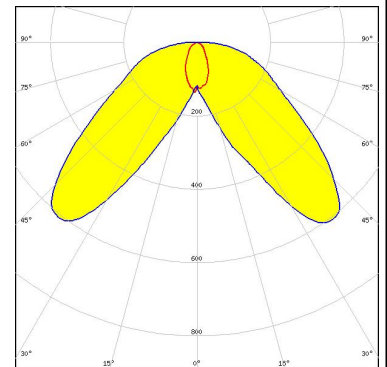
LED CXA/B 15xx  
 FWHM / FWTM 42.0°  
 Efficiency %  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14123\_CLAMP-CXA15-18



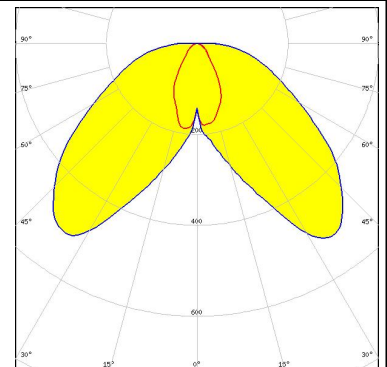
LED CXA/B 15xx  
 FWHM / FWTM Asymmetric  
 Efficiency 87 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14123\_CLAMP-CXA15-18



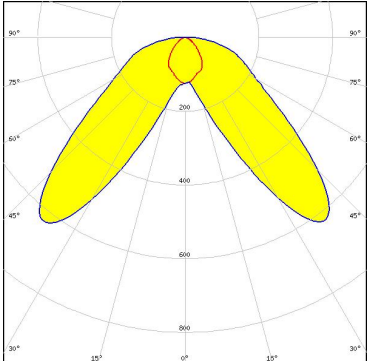
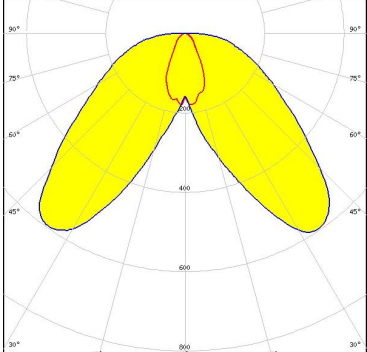
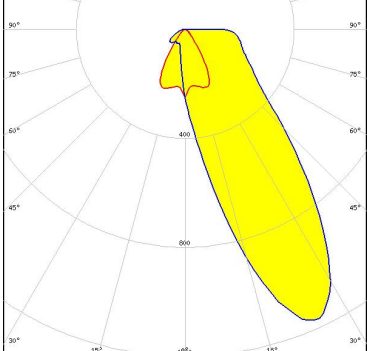
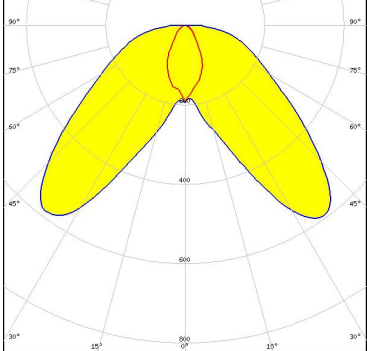
LED CXA/B 1830  
 FWHM / FWTM Asymmetric  
 Efficiency 85 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14123\_CLAMP-CXA15-18



LED LUXEON CoB 1202/1203  
 FWHM / FWTM Asymmetric  
 Efficiency 86 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 TE Connectivity: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



### OPTICAL RESULTS (SIMULATED):

|   |   |
|---|---|
| <p><b>LUMILEDS</b></p> <p>LED: LUXEON CoB 1202s<br/>           FWHM / FWTM: Asymmetric<br/>           Efficiency: 87 %<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:<br/>           C13658_CLAMP-VERO13-18<br/>           Bender Wirth: 452 Typ L1</p>   |    |
| <p><b>NICHIA</b></p> <p>LED: COB L-Type (LES 9)<br/>           FWHM / FWTM: Asymmetric<br/>           Efficiency: 85 %<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:<br/>           TE Connectivity: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>      |   |
| <p><b>NICHIA</b></p> <p>LED: NSCxL036A<br/>           FWHM / FWTM: Asymmetric<br/>           Efficiency: 87 %<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:<br/>           TE Connectivity: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1</p>               |  |
| <p><b>SHARP</b></p> <p>LED: Mini Zenigata (GW6BM)<br/>           FWHM / FWTM: Asymmetric<br/>           Efficiency: 86 %<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:<br/>           C13658_CLAMP-VERO13-18<br/>           Bender Wirth: 452 Typ L1</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.

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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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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