

## RONDA-REC-90

~80°+80° rectangular beam with holder A  
compatible with 3rd party connectors from TE,  
Bender+Wirth and IDEAL

## SPECIFICATION:

|                |           |
|----------------|-----------|
| Dimensions     | Ø 69.9 mm |
| Height         | 14.6 mm   |
| Fastening      | socket    |
| ROHS compliant | yes ⓘ     |



## MATERIALS:

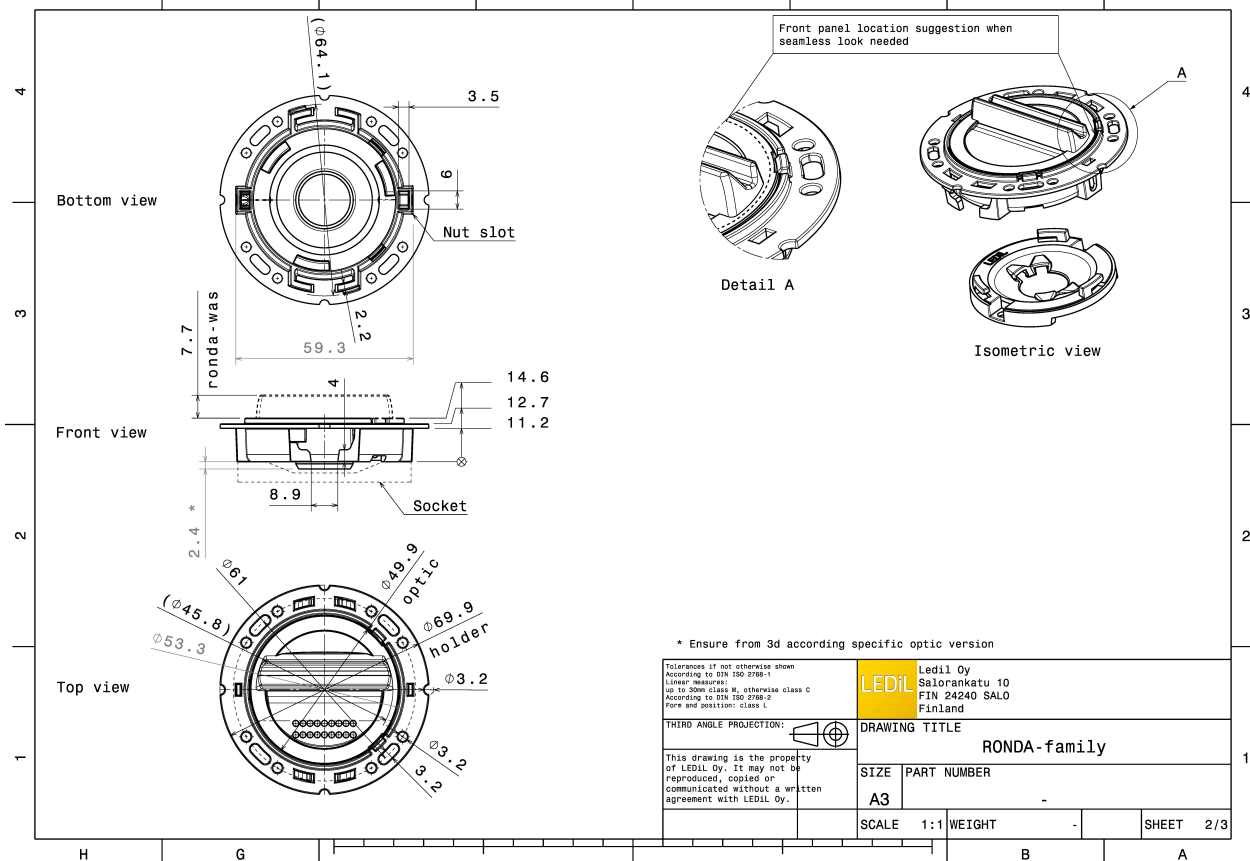
| Component           | Type        | Material | Colour | Finish | Length |
|---------------------|-------------|----------|--------|--------|--------|
| F15788_RONDA-REC-90 | Single lens | PMMA     | clear  |        | 49.9   |
| F15155_RONDA-HLD-A  | Holder      | PC       | white  |        | 69.9   |

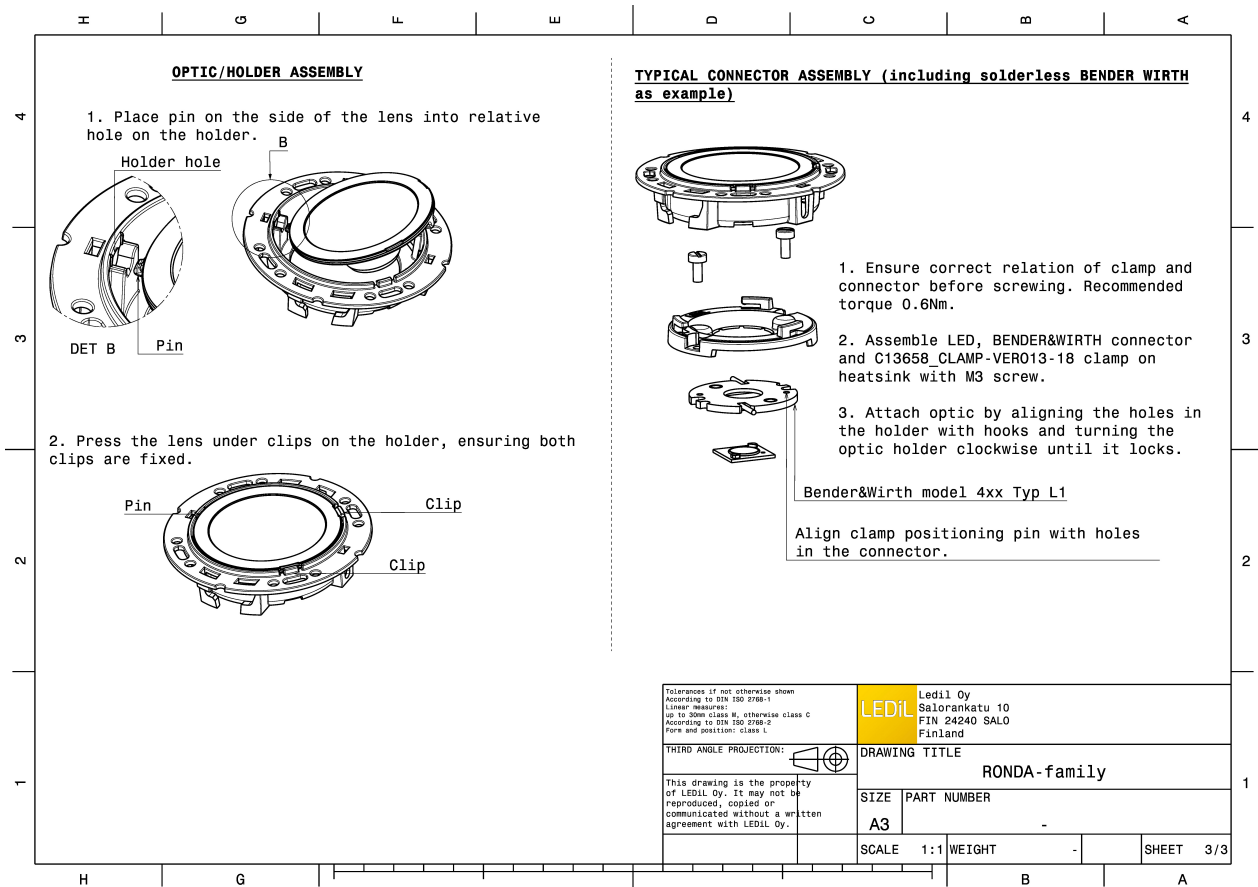
## ORDERING INFORMATION:

## Quantities for one set:

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

| Component   |             | Qty in box | MOQ | MPQ | Box weight (kg) |
|---|-------------|------------|-----|-----|-----------------|
| F15788_RONDA-REC-90<br>» Box size: 480 x 280 x 300 mm | Single lens | 420        | 120 | 30  | 6.5             |
| F15155_RONDA-HLD-A<br>» Box size: 480 x 280 x 300 mm  | Holder      | 420        | 120 | 30  | 4.4             |





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



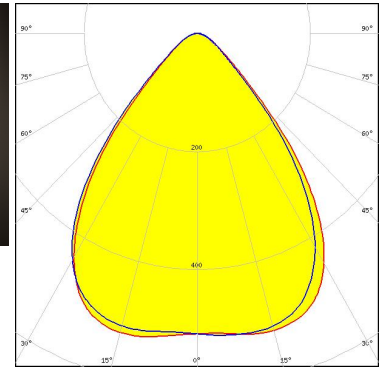
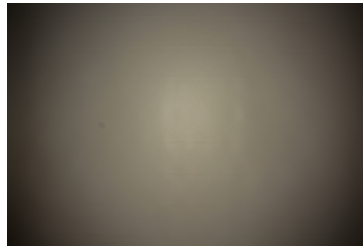
### OPTICAL RESULTS (MEASURED):



LED V13 Gen7  
FWHM / FWTM 80.0° / 112.0°  
Efficiency 87 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:

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



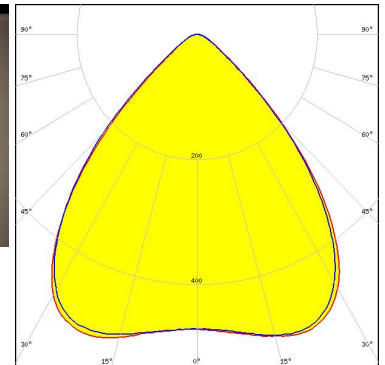
Light distribution files



LED Vero SE 13  
FWHM / FWTM 87.0° / 113.0°  
Efficiency 91 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:

C16402\_CLAMP-VEROSE-13-18



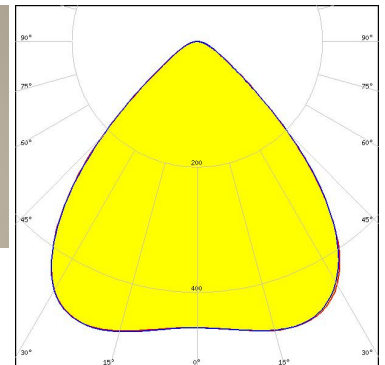
Light distribution files



LED VERO13  
FWHM / FWTM 88.0° / 118.0°  
Efficiency 91 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:

C13658\_CLAMP-VERO13-18

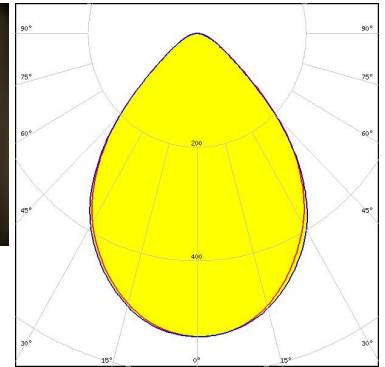
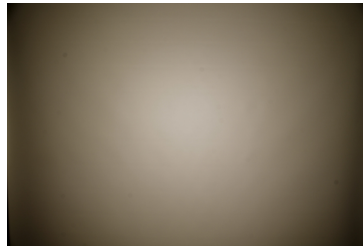


Light distribution files

### OPTICAL RESULTS (MEASURED):



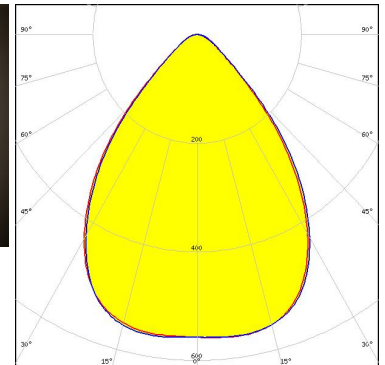
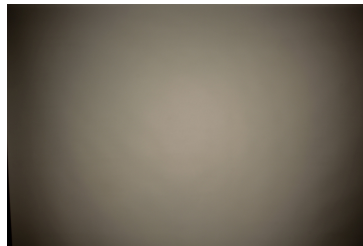
LED VERO18  
FWHM / FWTM 81.0° / 120.0°  
Efficiency 89 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C13658\_CLAMP-VERO13-18



Light distribution files

### CITIZEN

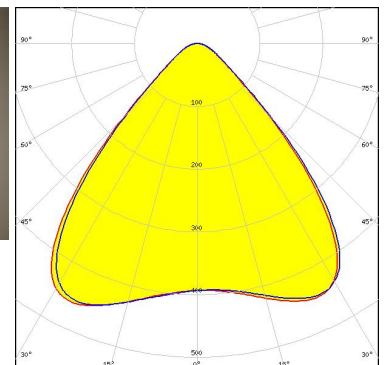
LED CLL03x/CLU03x  
FWHM / FWTM 78.0° / 110.0°  
Efficiency 89 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C16791\_CLAMP-Z45-A  
TE Connectivity: 2325807-3



Light distribution files



LED CXA/B 15xx  
FWHM / FWTM 87.0° / 119.0°  
Efficiency 91 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C14123\_CLAMP-CXA15-18  
Bender Wirth: 434 Typ L1

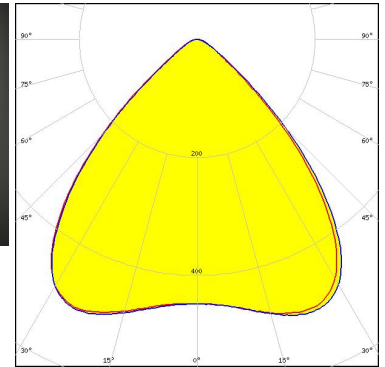
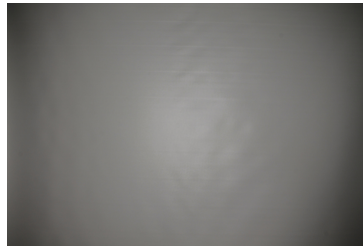


Light distribution files

### OPTICAL RESULTS (MEASURED):



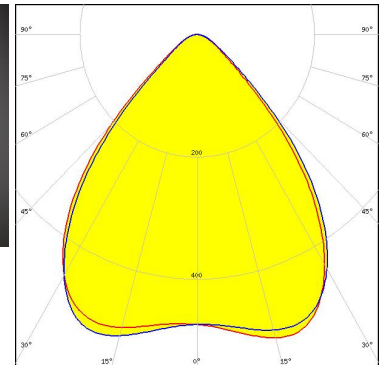
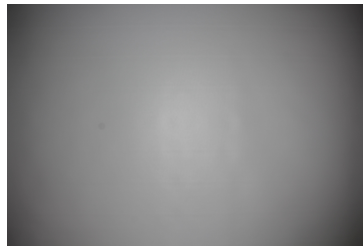
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
FWHM / FWTM 89.0° / 115.0°  
Efficiency 92 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C14123\_CLAMP-CXA15-18



Light distribution files



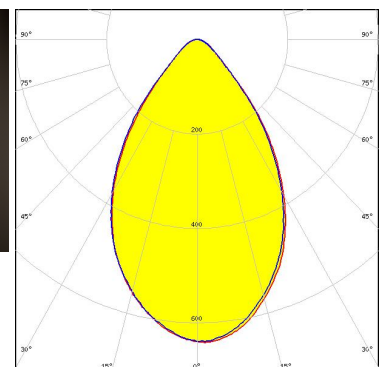
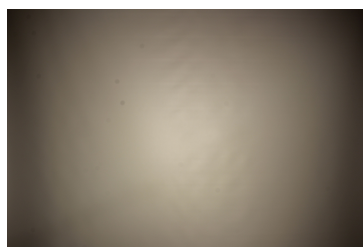
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
FWHM / FWTM 84.0° / 115.0°  
Efficiency 88 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
TE Connectivity: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1



Light distribution files



LED PrevaLED Core G7 L15 H1  
FWHM / FWTM 67.0° / 103.0°  
Efficiency 81 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C16685\_CLAMP-PRV-A



Light distribution files

### OPTICAL RESULTS (MEASURED):

#### PHILIPS

LED Fortimo SLM L13 CoB

FWHM / FWTM 82.0° / 113.0°

Efficiency 86 %

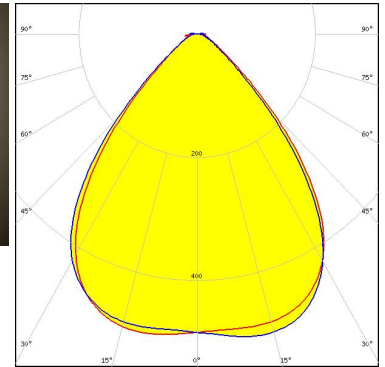
Peak intensity 0.5 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:

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



Light distribution files

#### PHILIPS

LED Fortimo SLM L15 + SLM holder

FWHM / FWTM 77.0° / 111.0°

Efficiency 86 %

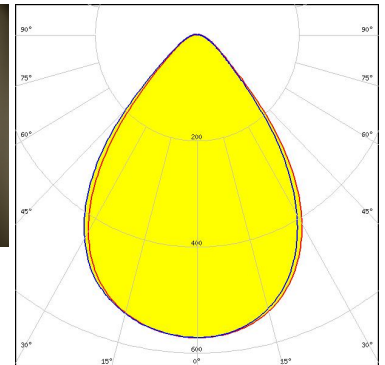
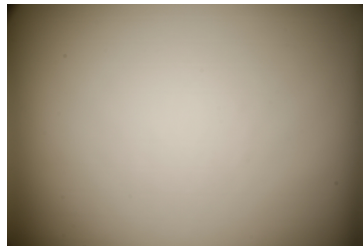
Peak intensity 0.6 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:

TE Connectivity: OPTIC CLIP Z50 TYPE1 2213194-1



Light distribution files



LED MJT COB LES 14.5

FWHM / FWTM 78.0° / 112.0°

Efficiency 87 %

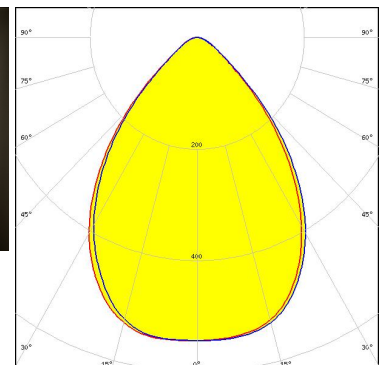
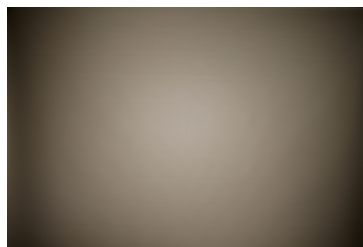
Peak intensity 0.5 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:

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



Light distribution files

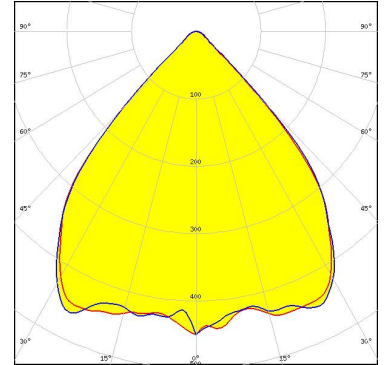
### OPTICAL RESULTS (SIMULATED):



LED V13 Gen7  
FWHM / FWTM 86.0 + 75.0° / 100.0 + 94.0°  
Efficiency 79 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Bender Wirth: 477 Typ L1

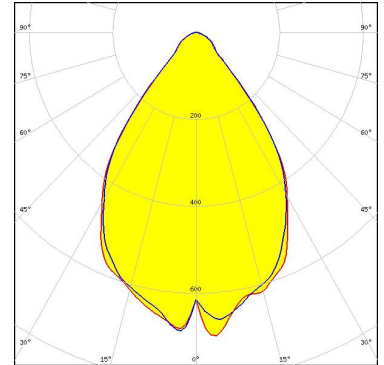
Light distribution files



LED V13 Gen7  
FWHM / FWTM 70.0° / 94.0°  
Efficiency 85 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

IDEAL: 50-2103CT + 50-2100AN

Light distribution files



LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
FWHM / FWTM 85.0°  
Efficiency 90 %  
LEDs/each optic 1  
Light colour/type White  
Required components:

TE Connectivity: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1

### OPTICAL RESULTS (SIMULATED):



|                   |                                    |
|-------------------|------------------------------------|
| LED               | CXA/B 1816 & CXA/B 1820 & CXA 1850 |
| FWHM / FWTM       | 90.0°                              |
| Efficiency        | 90 %                               |
| LEDs/each optic   | 1                                  |
| Light colour/type | White                              |

Required components:  
C14123\_CLAMP-CXA15-18



|                   |            |
|-------------------|------------|
| LED               | CXA/B 1830 |
| FWHM / FWTM       | 90.0°      |
| Efficiency        | 90 %       |
| LEDs/each optic   | 1          |
| Light colour/type | White      |

Required components:  
C14123\_CLAMP-CXA15-18

### 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:

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