

### 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
Height	14.6 mm
Fastening	socket
ROHS compliant	yes ⓘ



#### MATERIALS:

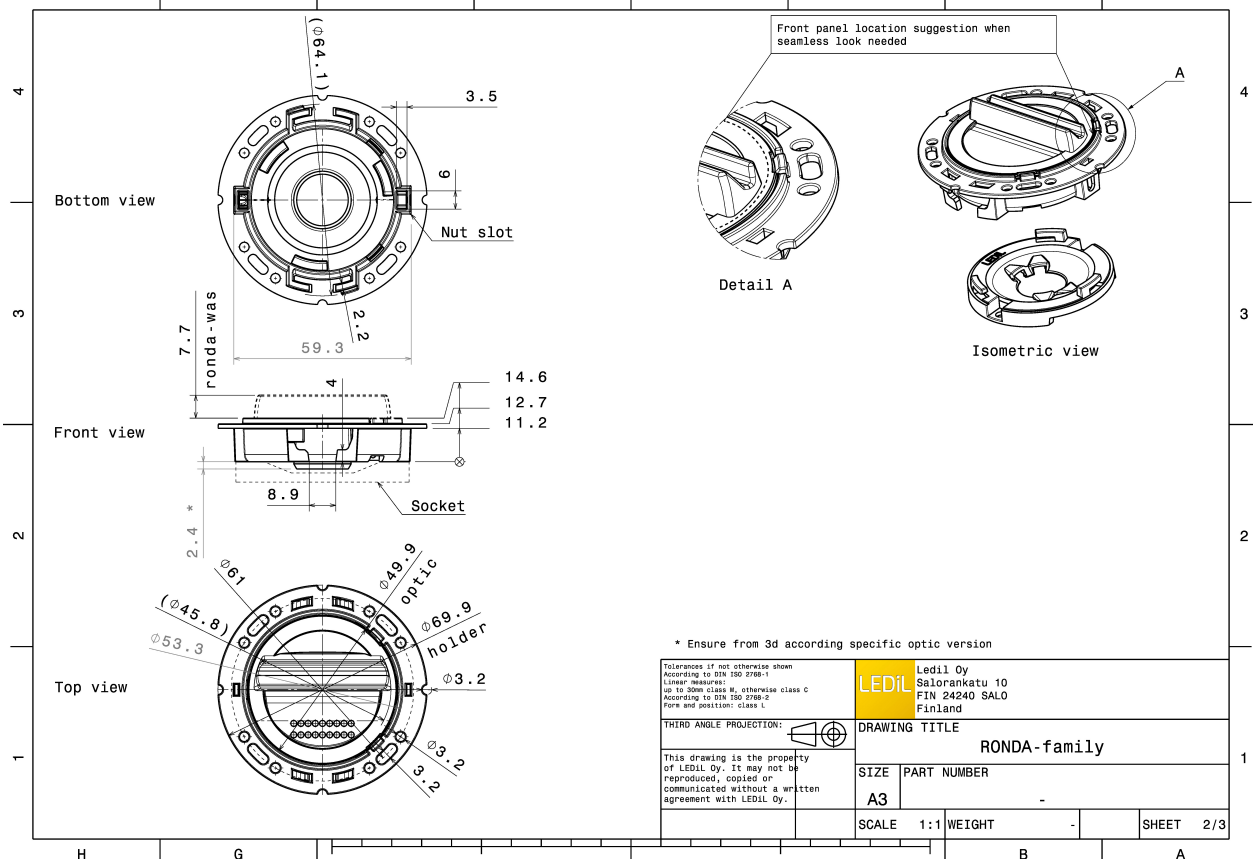
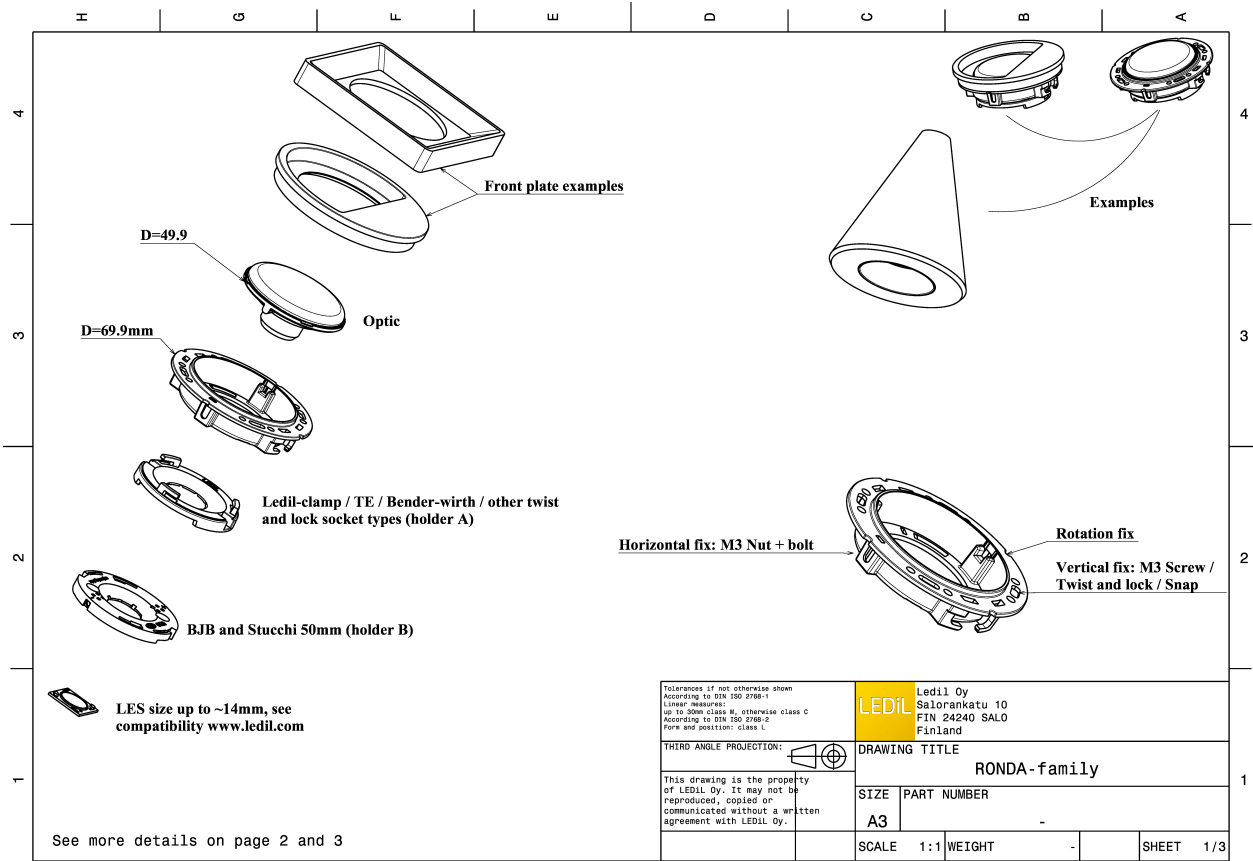
Component	Type	Material	Colour	Finish	Length (mm)
F15788_RONDA-REC-90	Single lens	PMMA	clear		
F15155_RONDA-HLD-A	Holder	PC	white		

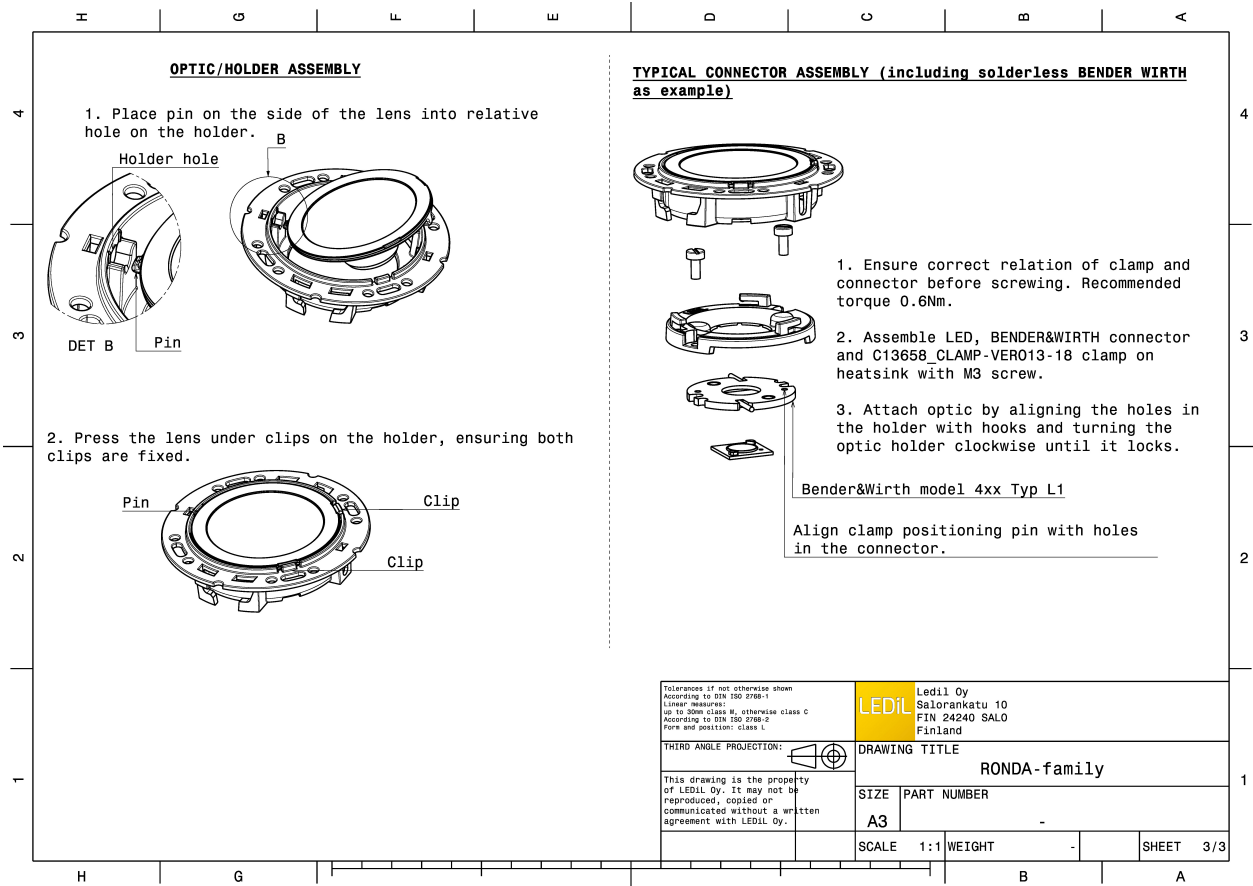
#### ORDERING INFORMATION:

##### Quantities for one set:

Single lens	1
Holder	1

Component		Qty in box	MOQ	MPQ	Box weight (kg)
F15788_RONDA-REC-90	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)



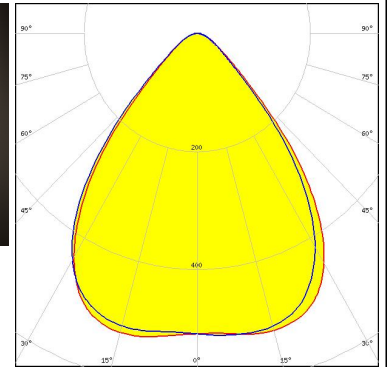
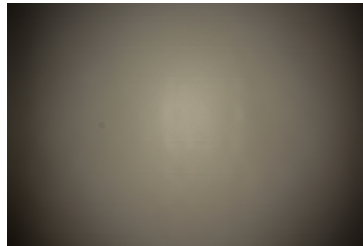
### OPTICAL RESULTS (MEASURED):

bridgelux

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



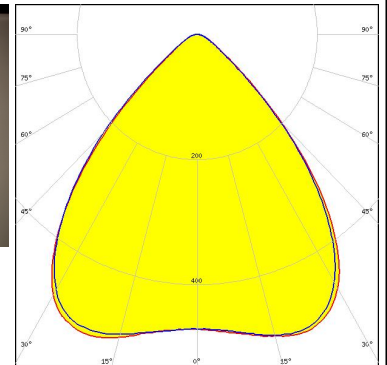
Light distribution files

bridgelux

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



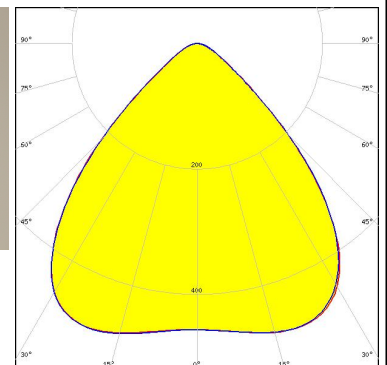
Light distribution files

bridgelux

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

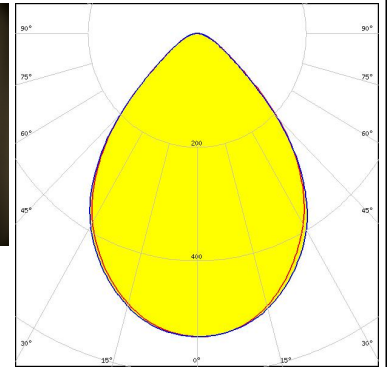


Light distribution files

### OPTICAL RESULTS (MEASURED):



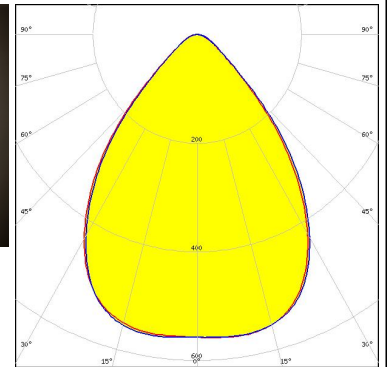
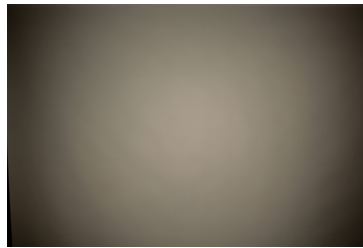
**LED** VERO18  
**FWHM / FWTM** 81.0° / 120.0°  
**Efficiency** 89 %  
**Peak intensity** 0.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C13658\_CLAMP-VERO13-18



Light distribution files

### CITIZEN

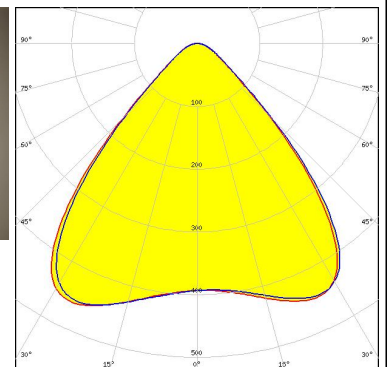
**LED** CLL03x/CLU03x  
**FWHM / FWTM** 78.0° / 110.0°  
**Efficiency** 89 %  
**Peak intensity** 0.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C16791\_CLAMP-Z45-A  
 TE Connectivity: 2325807-3



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

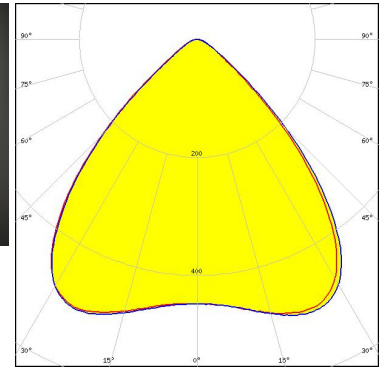
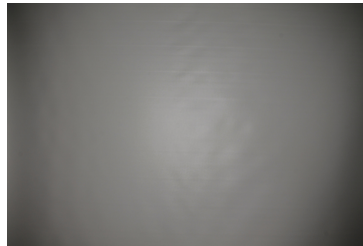


Light distribution files

### OPTICAL RESULTS (MEASURED):



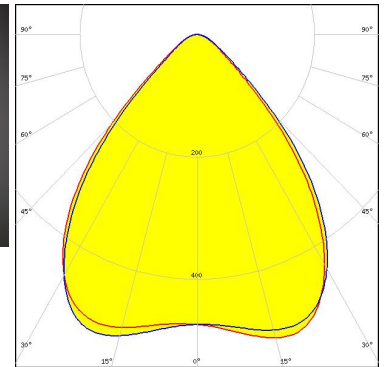
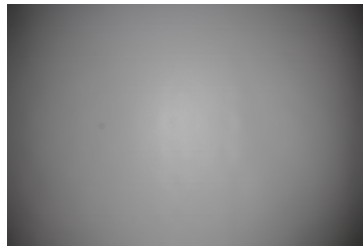
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
 FWHM / FWTM 89.0° / 115.0°  
 Efficiency 92 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14123\_CLAMP-CXA15-18



Light distribution files



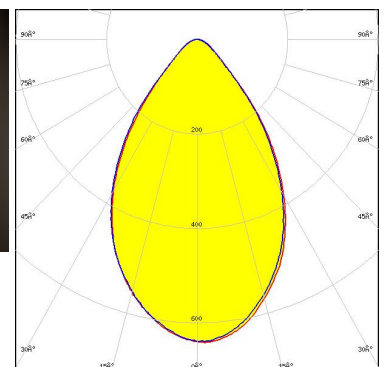
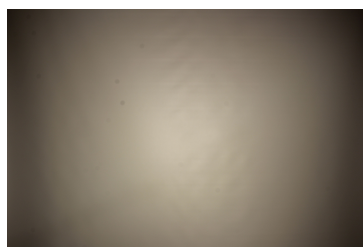
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
 FWHM / FWTM 84.0° / 115.0°  
 Efficiency 88 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 TE Connectivity: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1



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

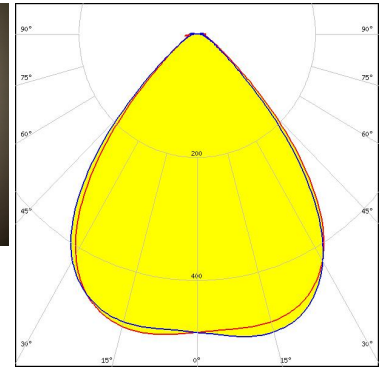
### OPTICAL RESULTS (MEASURED):

#### 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



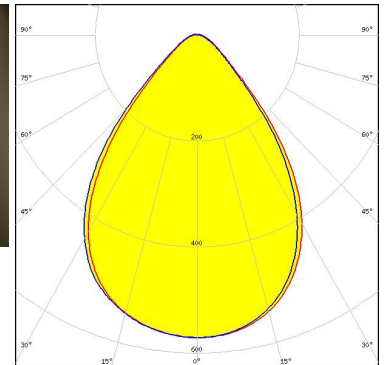
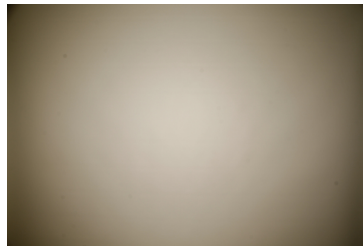
Light distribution files

#### 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



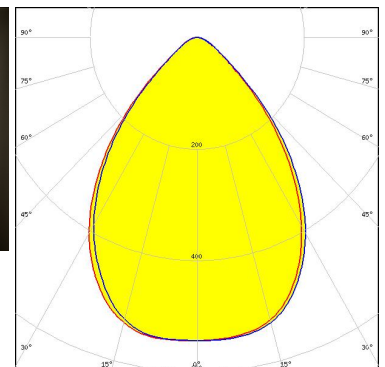
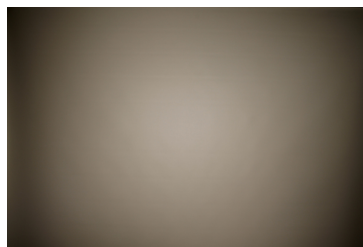
Light distribution files



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

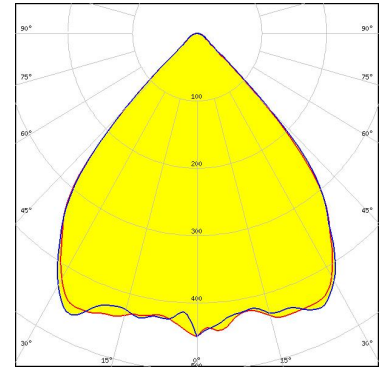
### OPTICAL RESULTS (SIMULATED):



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

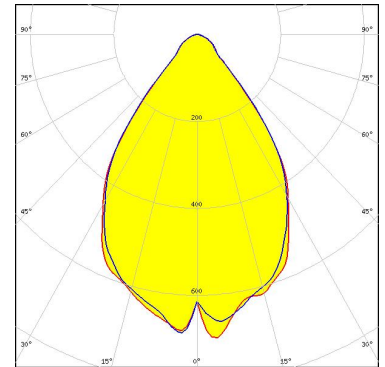
Light distribution files



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:

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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