

### 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:

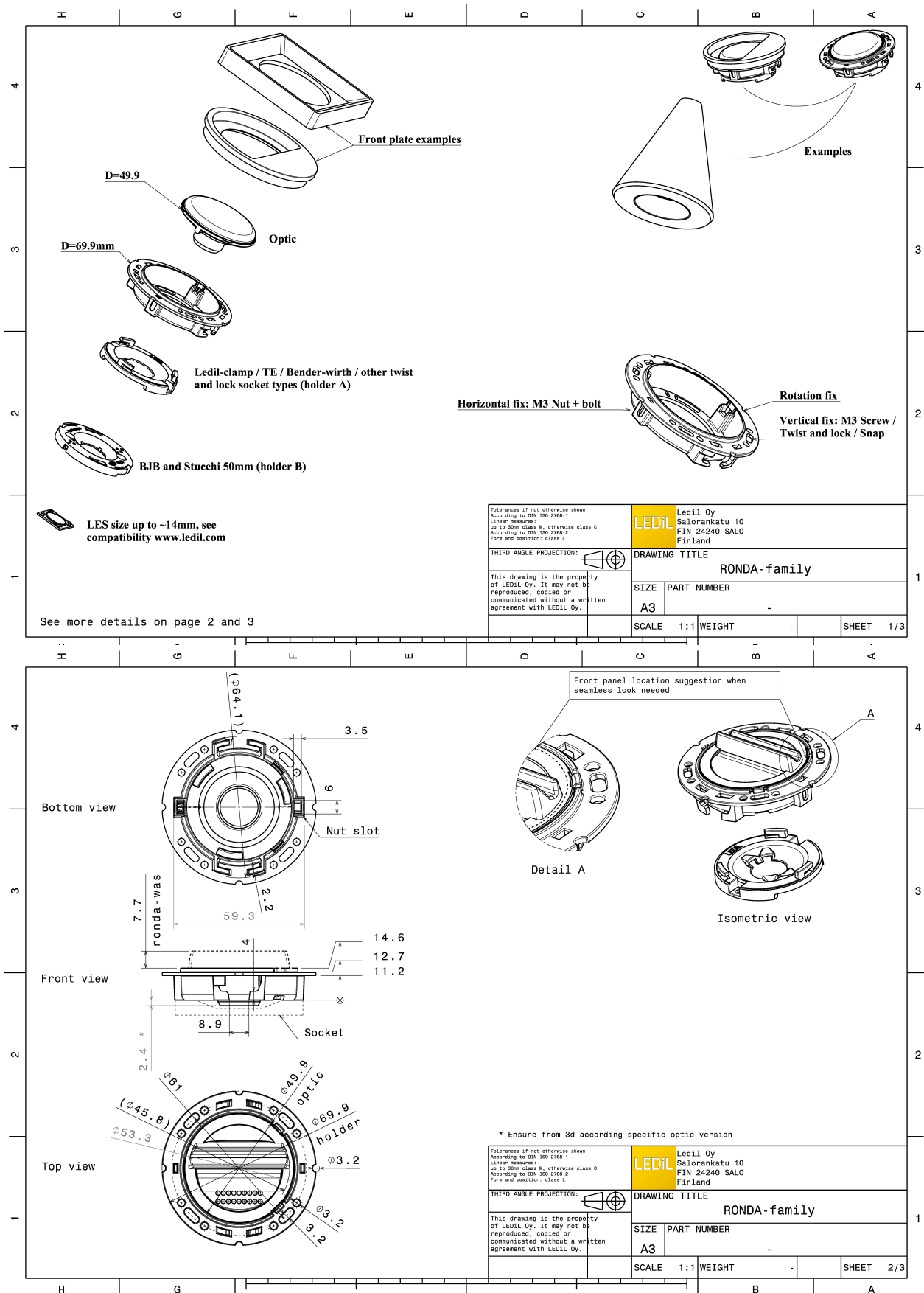
Component	Type	Material	Colour	Finish
F15788_RONDA-REC-90	Single lens	PMMA	clear	
F15155_RONDA-HLD-A	Holder	PC	white	

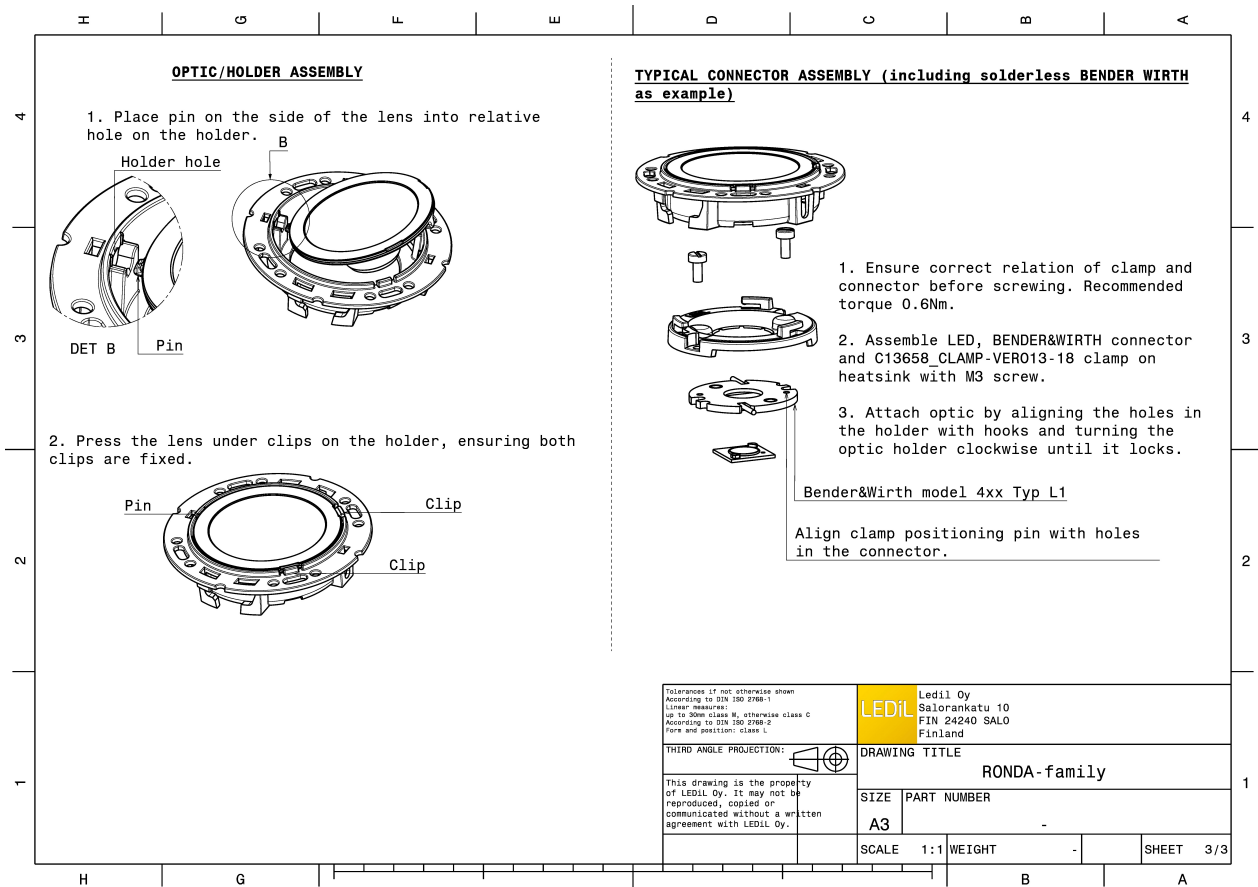
#### ORDERING INFORMATION:

##### Quantities for one set:

Single lens	1
Holder	1

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



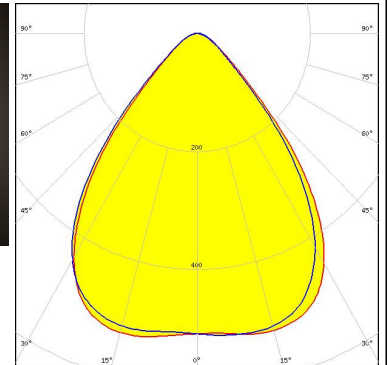
### OPTICAL RESULTS (MEASURED):



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

Required components:

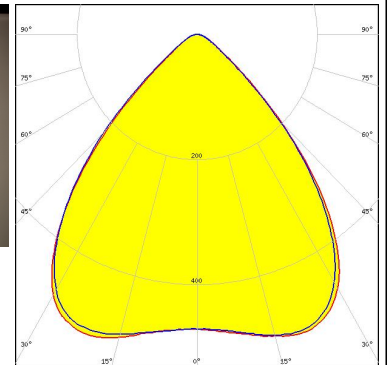
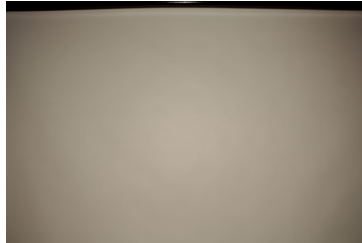
TE Connectivity: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



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

Required components:

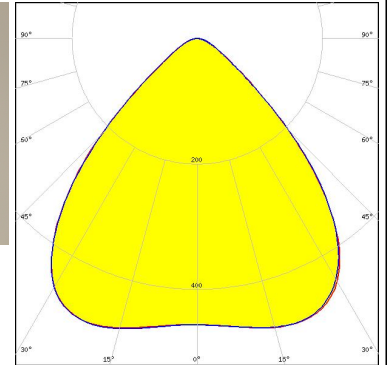
C16402\_CLAMP-VEROSE-13-18



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

Required components:

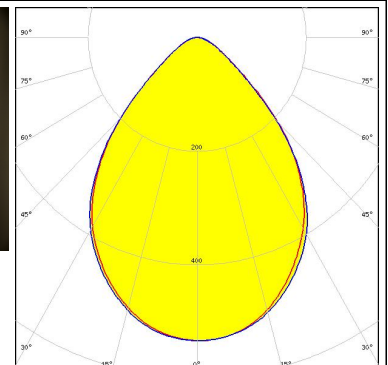
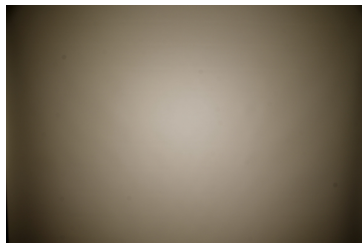
C13658\_CLAMP-VERO13-18



LED VERO18  
FWHM / FWTM 81.0° / 120.0°  
Efficiency 89 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White

Required components:

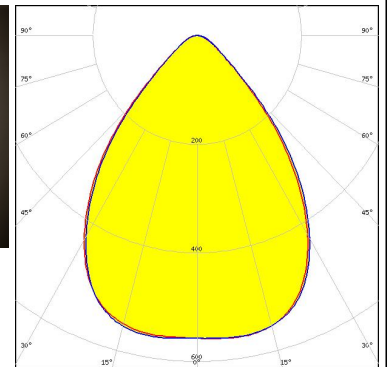
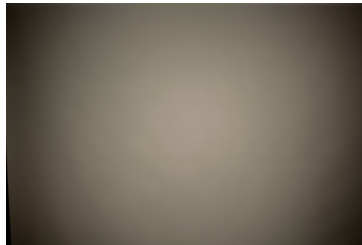
C13658\_CLAMP-VERO13-18



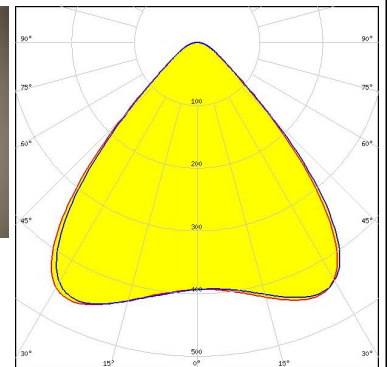
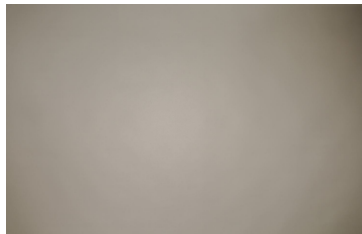
### OPTICAL RESULTS (MEASURED):

#### CITIZEN

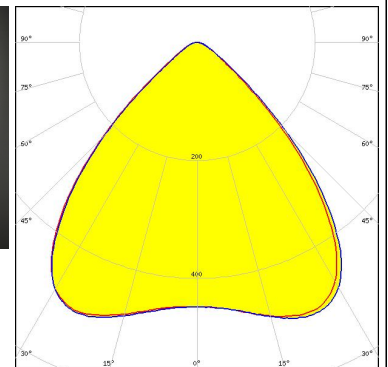
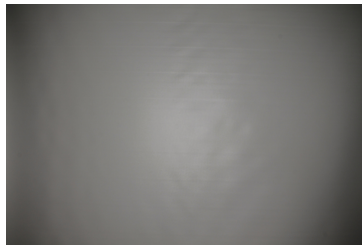
LED CLL03x/CLU03x  
FWHM / FWTM 78.0° / 110.0°  
Efficiency 89 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C16791\_CLAMP-Z45-A  
TE Connectivity: 2325807-3



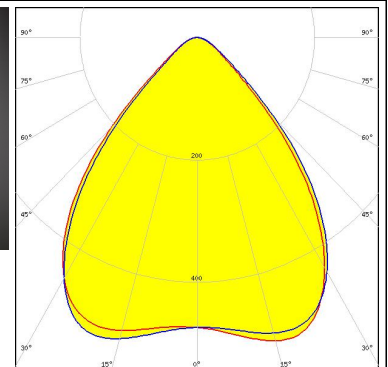
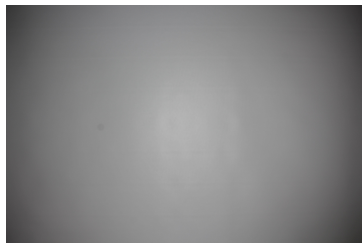
LED CXA/B 15xx  
FWHM / FWTM 87.0° / 119.0°  
Efficiency 91 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14123\_CLAMP-CXA15-18  
Bender Wirth: 434 Typ L1



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 White  
Required components:  
C14123\_CLAMP-CXA15-18



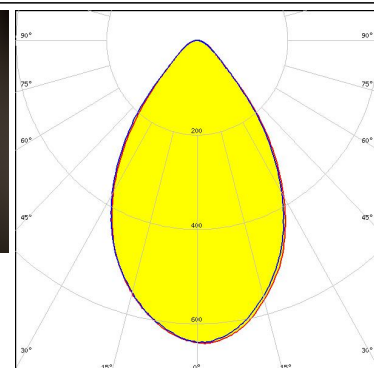
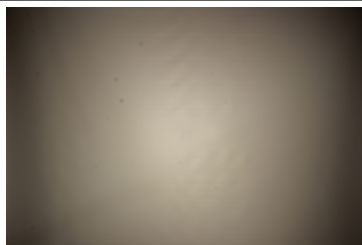
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
FWHM / FWTM 84.0° / 115.0°  
Efficiency 88 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
TE Connectivity: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1



### OPTICAL RESULTS (MEASURED):

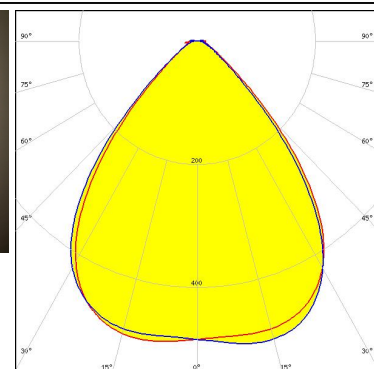
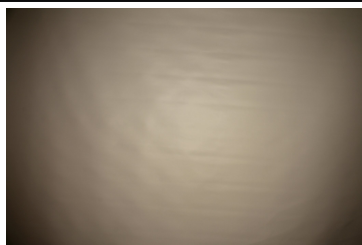
#### OSRAM

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 White  
Required components:  
C16685\_CLAMP-PRV-A



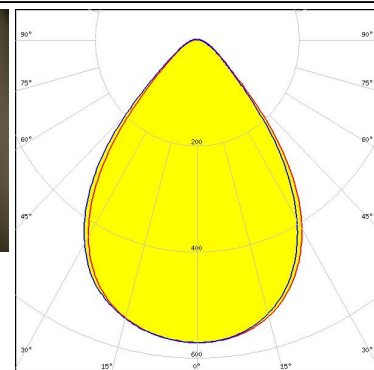
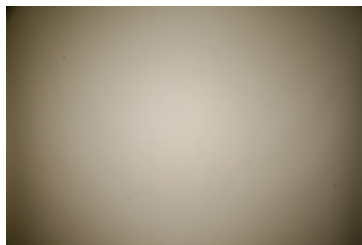
#### PHILIPS

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



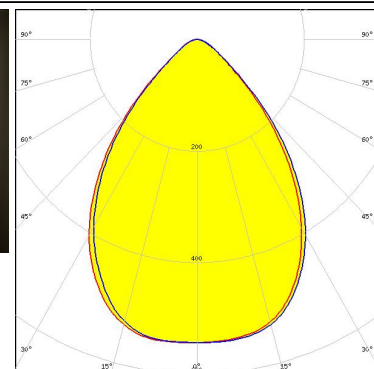
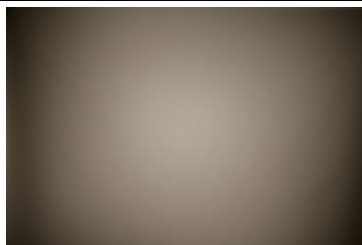
#### PHILIPS

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 White  
Required components:  
TE Connectivity: OPTIC CLIP Z50 TYPE1 2213194-1



SEOL SEMICONDUCTOR

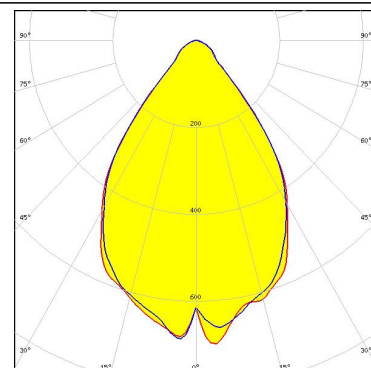
LED MJT COB LES 14.5  
FWHM / FWTM 78.0° / 112.0°  
Efficiency 87 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
TE Connectivity: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



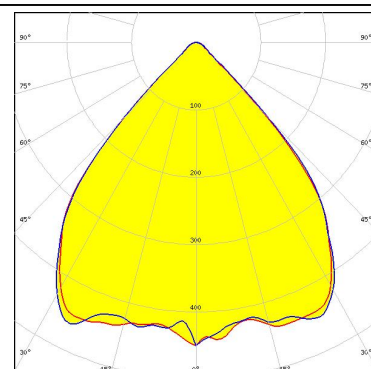
### OPTICAL RESULTS (SIMULATED):



LED V13 Gen7  
FWHM / FWTM 70.0° / 94.0°  
Efficiency 85 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
IDEAL: 50-2103CT + 50-2100AN



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 White  
Required components:  
Bender Wirth: 477 Typ L1



LED CXA/B 1830  
FWHM / FWTM 90.0°  
Efficiency 90 %  
LEDs/each optic 1  
Light colour 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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#### LEDiL Oy

Joensuunkatu 13  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B  
Casic Motor Building  
Shenzhen 518057  
P.R.CHINA

#### Local sales and technical support

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