

## 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

### TECHNICAL SPECIFICATIONS:

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

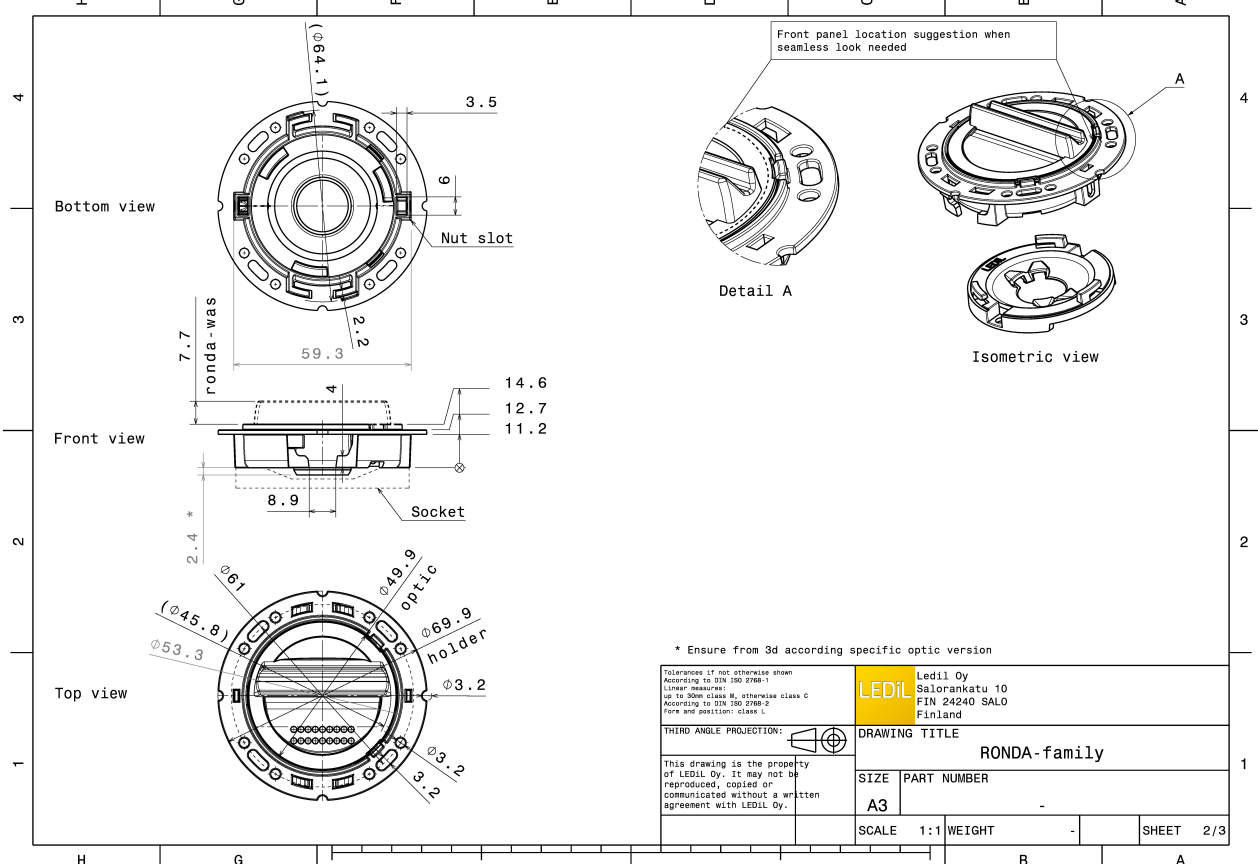
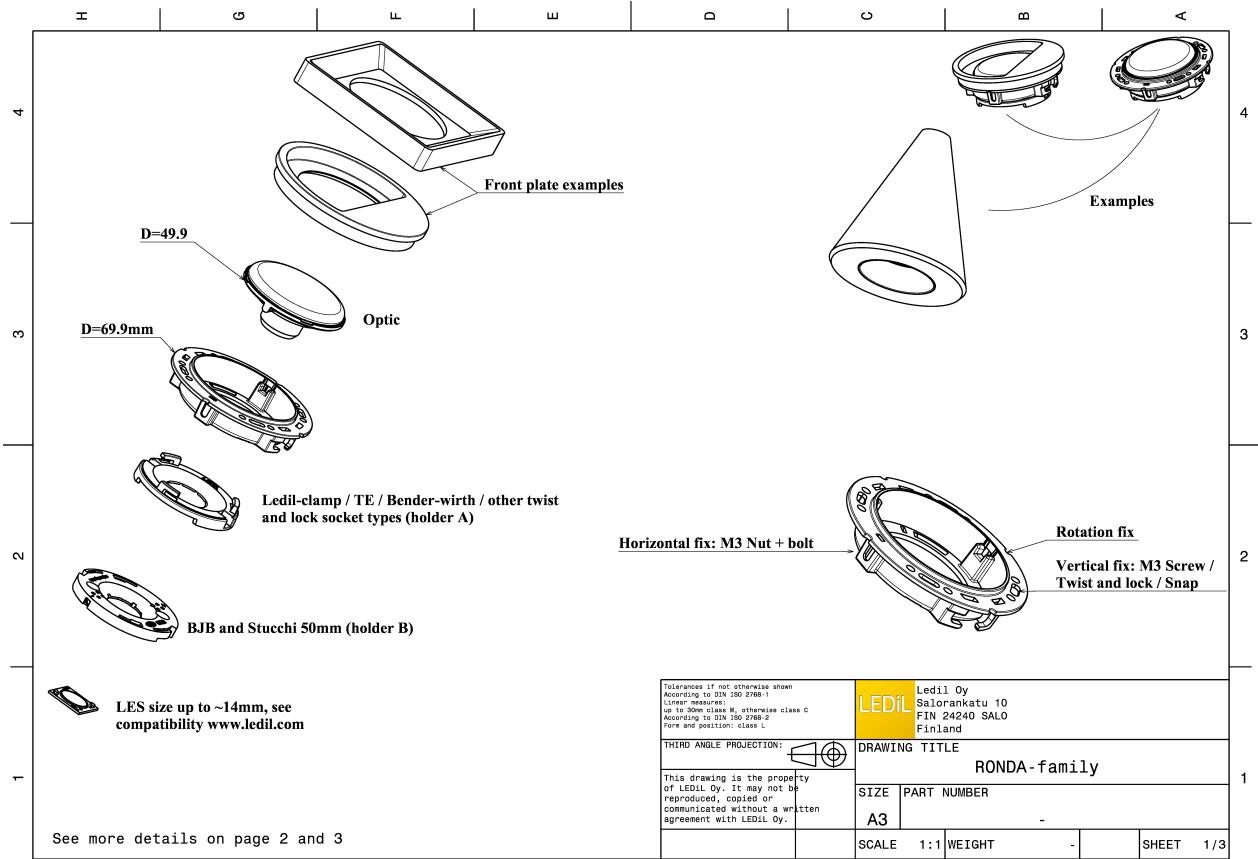
### MATERIAL SPECIFICATIONS:

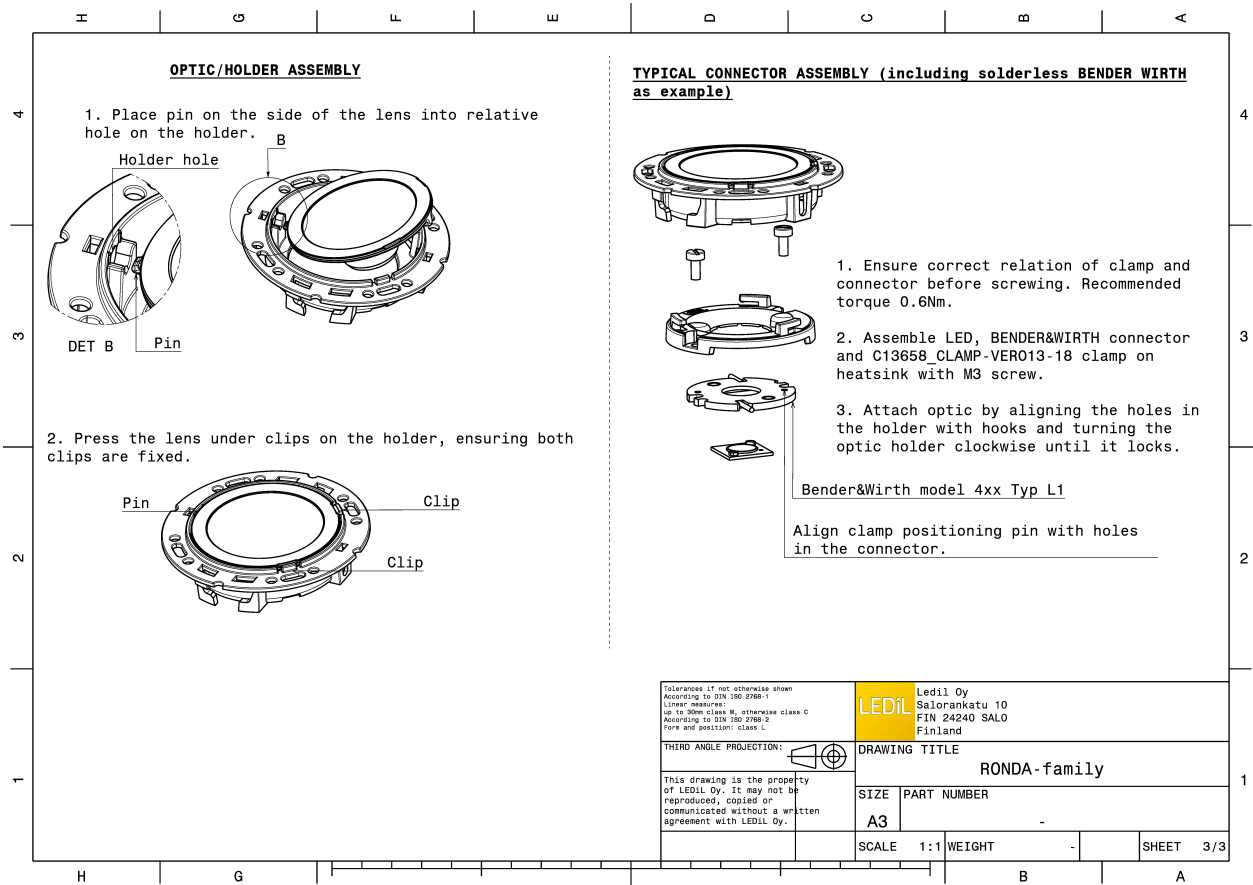
Component	Type	Material	Colour	Finish
RONDA-ZT45	Single lens	PMMA	clear	
RONDA-HLD-A	Holder	PC	white	


### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FN15388_RONDA-ZT45	Single lens	420	120	30	0.0
» Box size:					


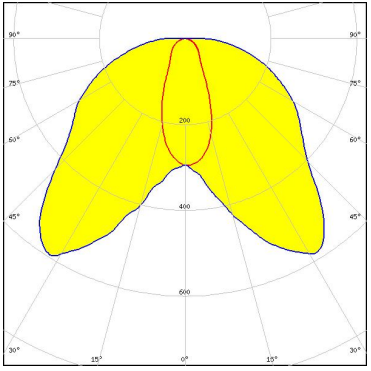
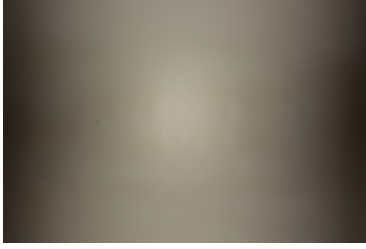
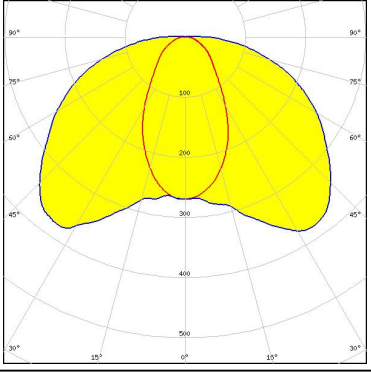

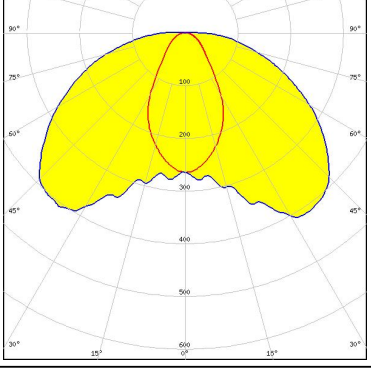
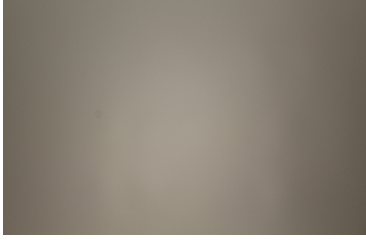
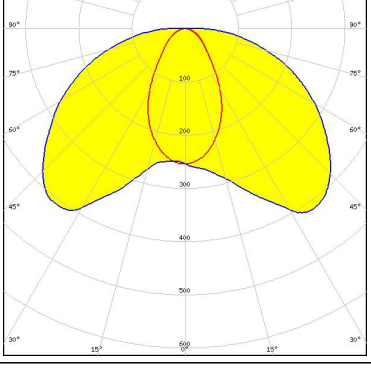






<p>Tolerances if not otherwise shown According to DIN 180 2780-1</p> <p>Linear measures: up to 30mm class M, otherwise class C According to DIN 180 2780-2 Form and position: class L</p>		<p><b>LEDiL</b> Ledil Oy Salorankatu 10 FIN 24240 SALO Finland</p>	
<p>THIRD ANGLE PROJECTION: </p> <p>This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.</p>		<p><b>DRAWING TITLE</b> RONDA-family</p>	
<p><b>SIZE</b> PART NUMBER</p> <p>A3 -</p>		<p><b>SCALE</b> 1:1 <b>WEIGHT</b> - <b>SHEET</b> 3/3</p>	

#### PHOTOMETRIC DATA (MEASURED):

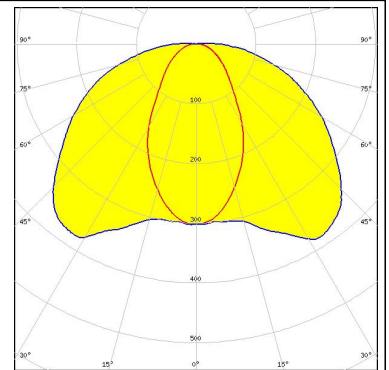
<p>bridgelux.</p> <p>LED V10 Gen7</p> <p>FWHM Asymmetric</p> <p>Efficiency 88 %</p> <p>Peak intensity 0.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C13658_CLAMP-VERO13-18 Bender Wirth: 486 Typ L1</p>		
<p>bridgelux.</p> <p>LED V13 Gen7</p> <p>FWHM Asymmetric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



#### PHOTOMETRIC DATA (MEASURED):

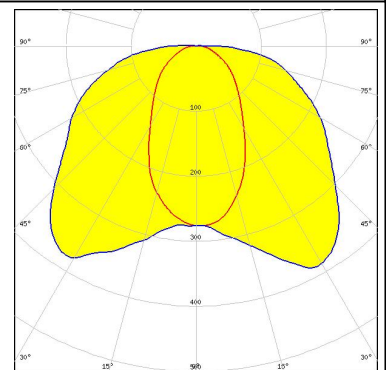
#### CITIZEN

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



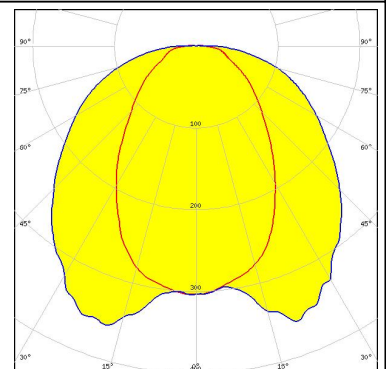
#### CITIZEN

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



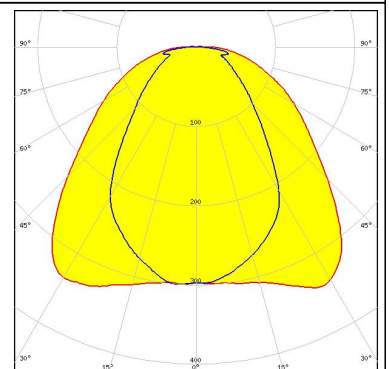
#### CITIZEN

LED CLL04x/CLU04x  
FWHM 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

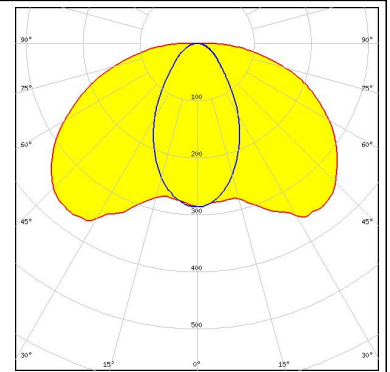
LED CLU730/731  
FWHM Asymmetric  
Efficiency 85 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
IDEAL: 50-2204-CT + 50-2100AN



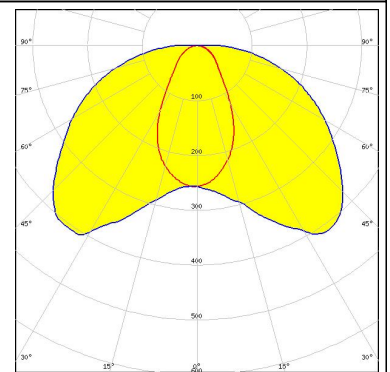
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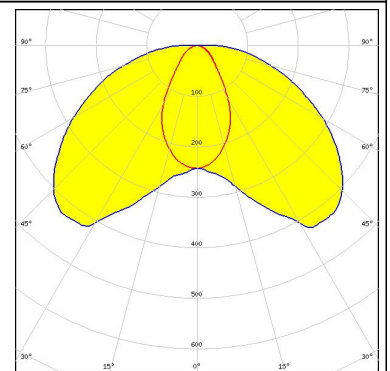
LED CMA1840  
 FWHM Asymmetric  
 Efficiency 89 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14123\_CLAMP-CXA15-18



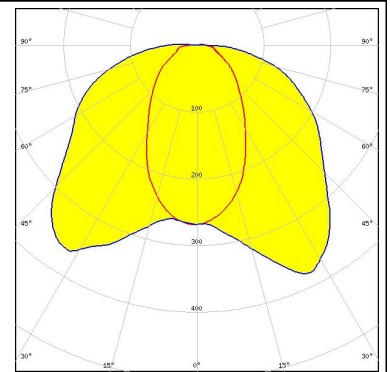
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
 FWHM Asymmetric  
 Efficiency 87 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 TE: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
 FWHM 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 Asymmetric  
 Efficiency 83 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 IDEAL: 50-2103NC + 50-2100AN

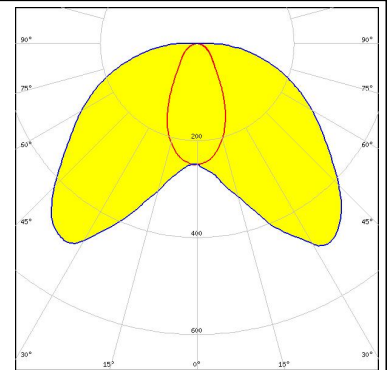


#### PHOTOMETRIC DATA (MEASURED):



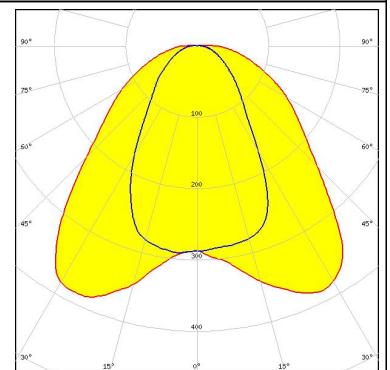
LED COB L-Type (LES 11)  
FWHM Asymmetric  
Efficiency 87 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White

Required components:  
TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LED COB L-Type (LES 11)  
FWHM Asymmetric  
Efficiency 84 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White

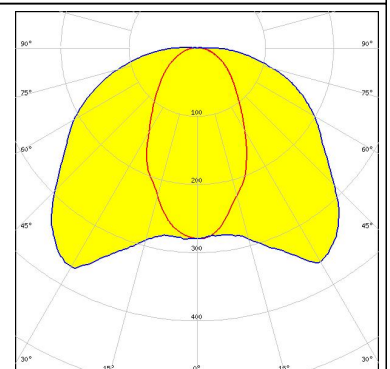
Required components:  
IDEAL: 50-2100NC + 50-2100AN



### OSRAM

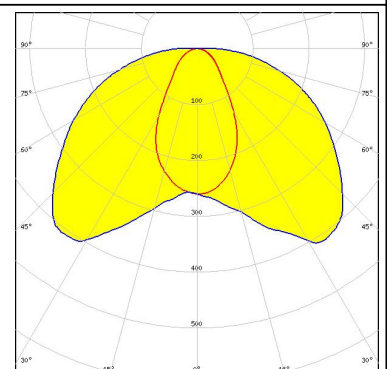
LED PrevaLED Core G7 L15 H1  
FWHM Asymmetric  
Efficiency 78 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White

Required components:  
C16685\_CLAMP-PRV-A



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

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

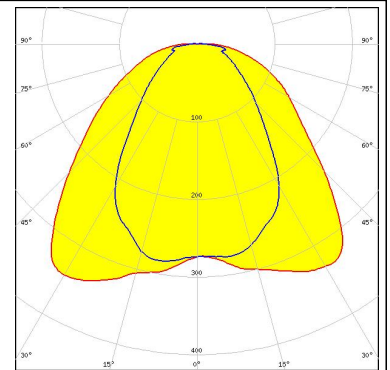


#### PHOTOMETRIC DATA (MEASURED):

#### OSRAM

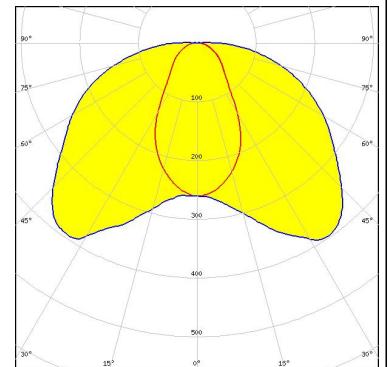
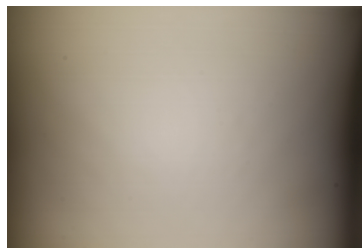
Opto Semiconductors

LED Soleriq S13 19x19  
 FWHM Asymmetric  
 Efficiency 84 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 IDEAL: 50-2103CT + 50-2100AN



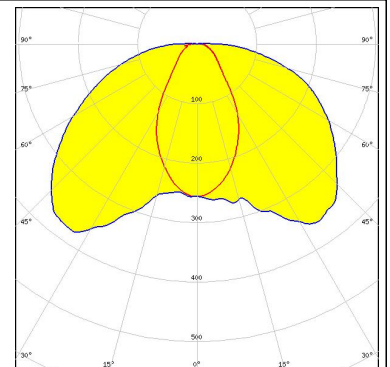
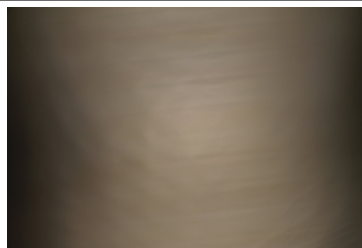
#### PHILIPS

LED Fortimo SLM L13 + SLM holder  
 FWHM Asymmetric  
 Efficiency 83 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



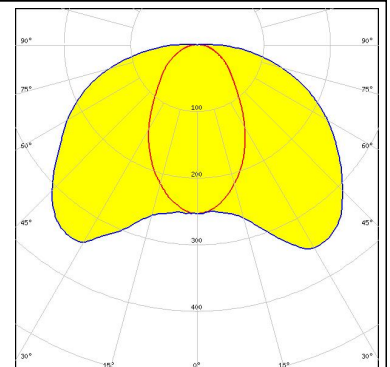
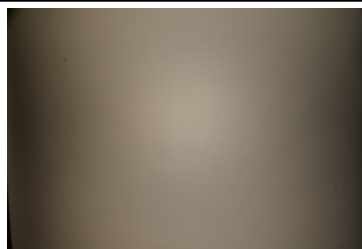
#### PHILIPS

LED Fortimo SLM L13 CoB  
 FWHM Asymmetric  
 Efficiency 83 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



#### PHILIPS

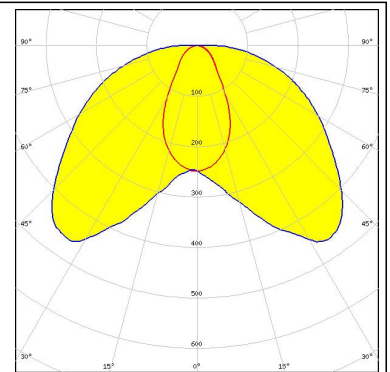
LED Fortimo SLM L15 + SLM holder  
 FWHM Asymmetric  
 Efficiency 82 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 TE: OPTIC CLIP Z50 TYPE1 2213194-1



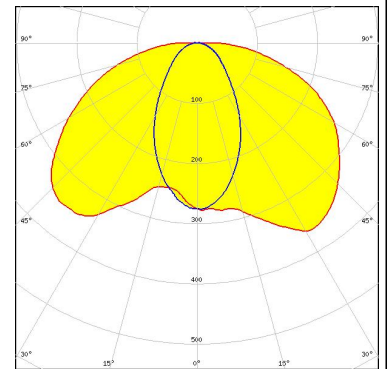
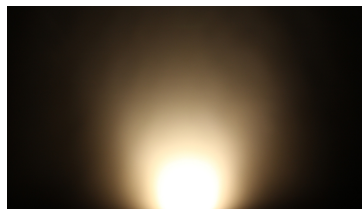
#### PHOTOMETRIC DATA (MEASURED):

#### SAMSUNG

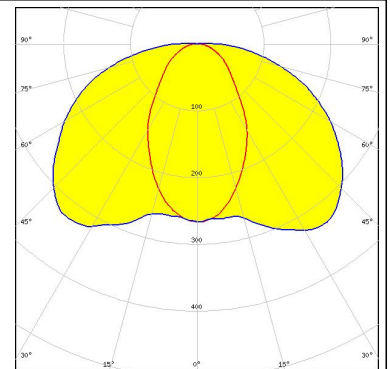
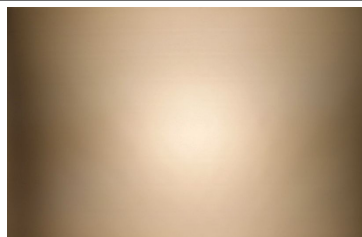
LED LC040C  
 FWHM Asymmetric  
 Efficiency 88 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



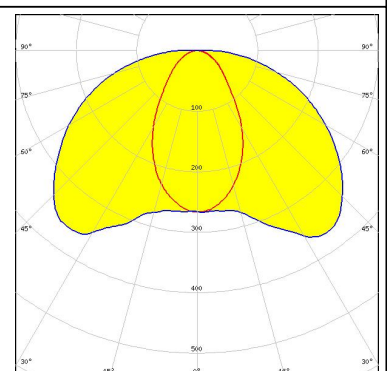
SEOUL SEMICONDUCTOR  
 LED AC Zhaga COB  
 FWHM Asymmetric  
 Efficiency 86 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Optosource: SEHSMJD-A



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

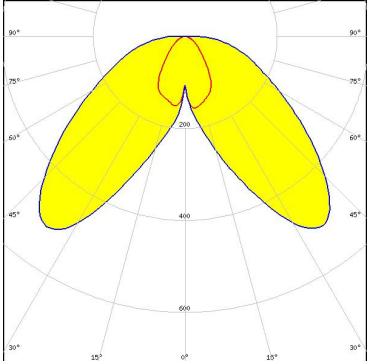
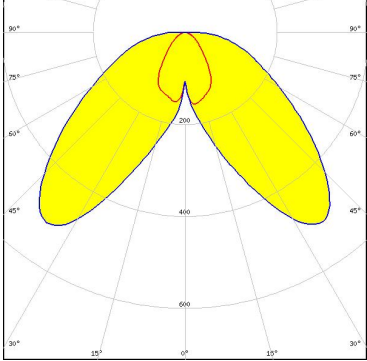
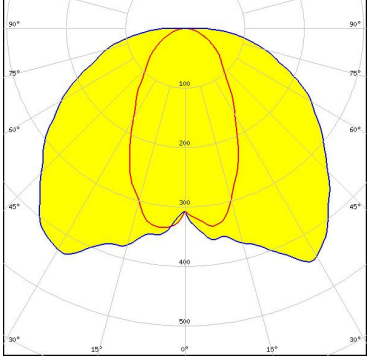


VS LIGHTING SOLUTIONS  
 LED WU-M-484  
 FWHM Asymmetric  
 Efficiency 85 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 TE: OPTIC CLIP Z50 TYPE1 2213194-1




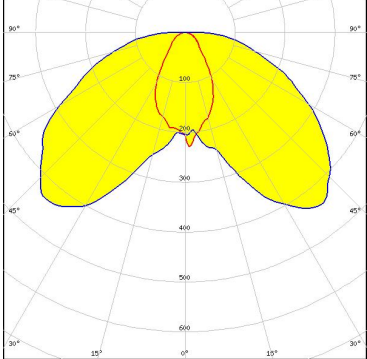

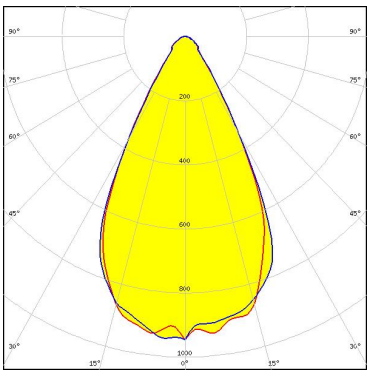
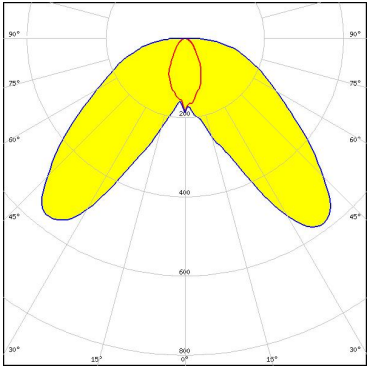
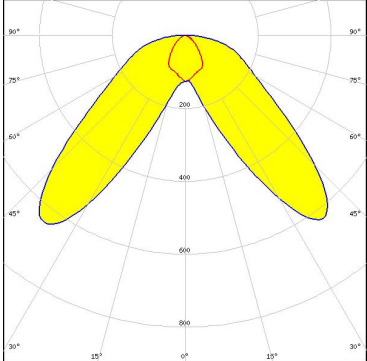


#### PHOTOMETRIC DATA (SIMULATED):

<p>bridgelux.</p> <p>LED V10 Gen6            FWHM 44.0°            Efficiency %            Peak intensity 1.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14123_CLAMP-CXA15-18</p>	
<p>bridgelux.</p> <p>LED V10 Gen6            FWHM Asymmetric            Efficiency 86 %            LEDs/each optic 1            Light colour White            Required components:            C13658_CLAMP-VERO13-18            Bender Wirth: 455 Typ L1</p>	
<p>bridgelux.</p> <p>LED V10 Gen6            FWHM Asymmetric            Efficiency 86 %            LEDs/each optic 1            Light colour White            Required components:            C14123_CLAMP-CXA15-18</p>	
<p>bridgelux.</p> <p>LED V13 Gen7            FWHM Asymmetric            Efficiency 90 %            LEDs/each optic 1            Light colour White            Required components:            IDEAL: 50-2103CT + 50-2100AN</p>	



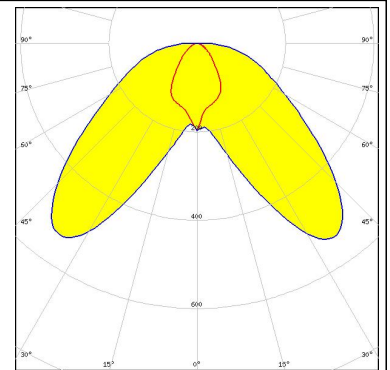
#### PHOTOMETRIC DATA (SIMULATED):

<p> <b>bridgelux</b></p> <p>LED V13 Gen7            FWHM Asymmetric            Efficiency 86 %            Peak intensity 0.4 cd/lm            LEDs/each optic 1            Light colour White</p> <p>Required components:            C13658_CLAMP-VERO13-18            Bender Wirth: 477 Typ L1</p>	
<p> <b>bridgelux</b></p> <p>LED V13 Gen7            FWHM 56.0°            Efficiency 85 %            Peak intensity 1 cd/lm            LEDs/each optic 1            Light colour White</p> <p>Required components:            C14123_CLAMP-CXA15-18            Bender Wirth: 477 Typ L1</p>	
<h3>CITIZEN</h3> <p>LED CLL02x/CLU02x (LES10)            FWHM Asymmetric            Efficiency 86 %            LEDs/each optic 1            Light colour White</p> <p>Required components:            C13658_CLAMP-VERO13-18            Bender Wirth: 434 Typ L1</p>	
<h3>CITIZEN</h3> <p>LED CLU700/701/702            FWHM Asymmetric            Efficiency 87 %            LEDs/each optic 1            Light colour White</p> <p>Required components:            C13658_CLAMP-VERO13-18            Bender Wirth: 434 Typ L1</p>	

#### PHOTOMETRIC DATA (SIMULATED):

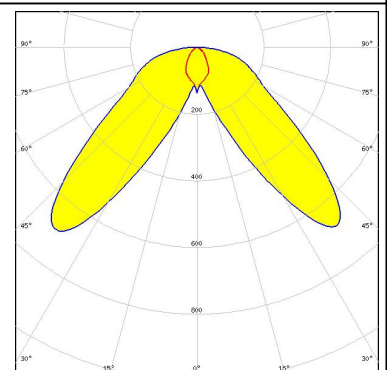
### CITIZEN

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



### CREE

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



### CREE

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

### CREE

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

#### PHOTOMETRIC DATA (SIMULATED):



LED CXA/B 15xx  
FWHM Asymmetric  
Efficiency 87 %  
LEDs/each optic 1  
Light colour White  
Required components:  
C13658\_CLAMP-VERO13-18  
Bender Wirth: 441 Typ L1



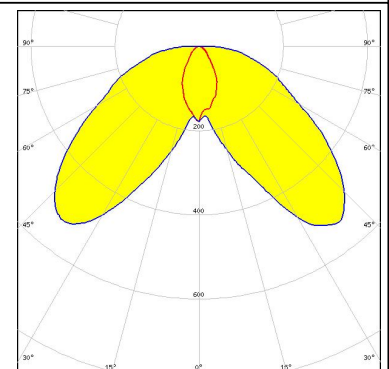
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
FWHM Asymmetric  
Efficiency 87 %  
LEDs/each optic 1  
Light colour White  
Required components:  
C14123\_CLAMP-CXA15-18



LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
FWHM 48.0°  
Efficiency %  
Peak intensity 1.4 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 Asymmetric  
Efficiency %  
LEDs/each optic 1  
Light colour White  
Required components:  
TE: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1



#### PHOTOMETRIC DATA (SIMULATED):



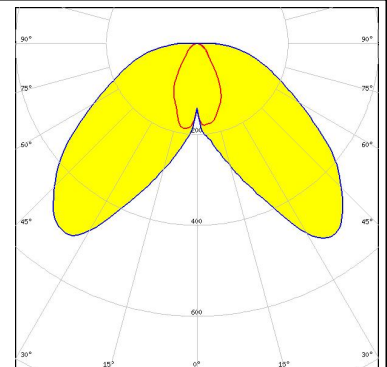
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
FWHM Asymmetric  
Efficiency 87 %  
LEDs/each optic 1  
Light colour White  
Required components:  
C13658\_CLAMP-VERO13-18  
Bender Wirth: 437 Typ L1



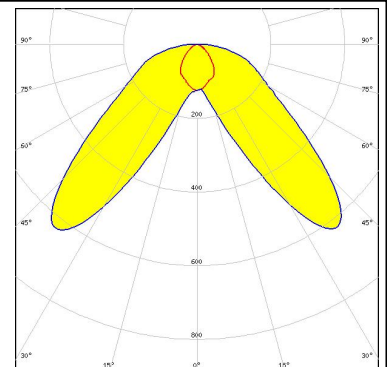
LED CXA/B 1830  
FWHM Asymmetric  
Efficiency 85 %  
LEDs/each optic 1  
Light colour White  
Required components:  
C14123\_CLAMP-CXA15-18



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



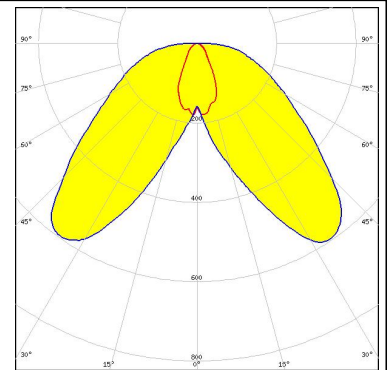
LED LUXEON CoB 1202s  
FWHM Asymmetric  
Efficiency 87 %  
LEDs/each optic 1  
Light colour White  
Required components:  
C13658\_CLAMP-VERO13-18  
Bender Wirth: 452 Typ L1



#### PHOTOMETRIC DATA (SIMULATED):



LED COB L-Type (LES 9)  
FWHM Asymmetric  
Efficiency 85 %  
LEDs/each optic 1  
Light colour White  
Required components:  
TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



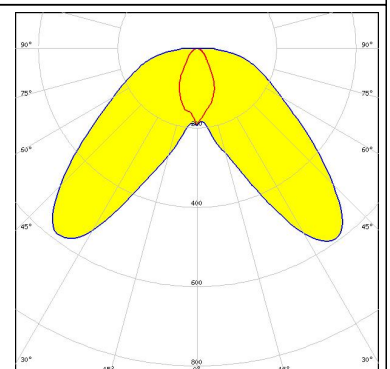
LED NSCxL036A  
FWHM Asymmetric  
Efficiency 87 %  
LEDs/each optic 1  
Light colour White  
Required components:  
TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LED Duris S10  
FWHM Asymmetric  
Efficiency 87 %  
LEDs/each optic 1  
Light colour White  
Required components:  
C13658\_CLAMP-VERO13-18



LED Mini Zenigata (GW6BM)  
FWHM Asymmetric  
Efficiency 86 %  
LEDs/each optic 1  
Light colour White  
Required components:  
C13658\_CLAMP-VERO13-18  
Bender Wirth: 452 Typ L1



### 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.

### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

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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where\\_to\\_buy](http://www.ledil.com/where_to_buy)

#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)



Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



## JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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