

## WINNIE-O

~60° + 20° oval beam. Holder with 35 mm screw hole distance according to Zhaga standard. Compatible with Bender+Wirth 4xx Typ L5 connector.

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 49.8 mm
Height	19.3 mm
Fastening	screw
ROHS compliant	yes ⓘ

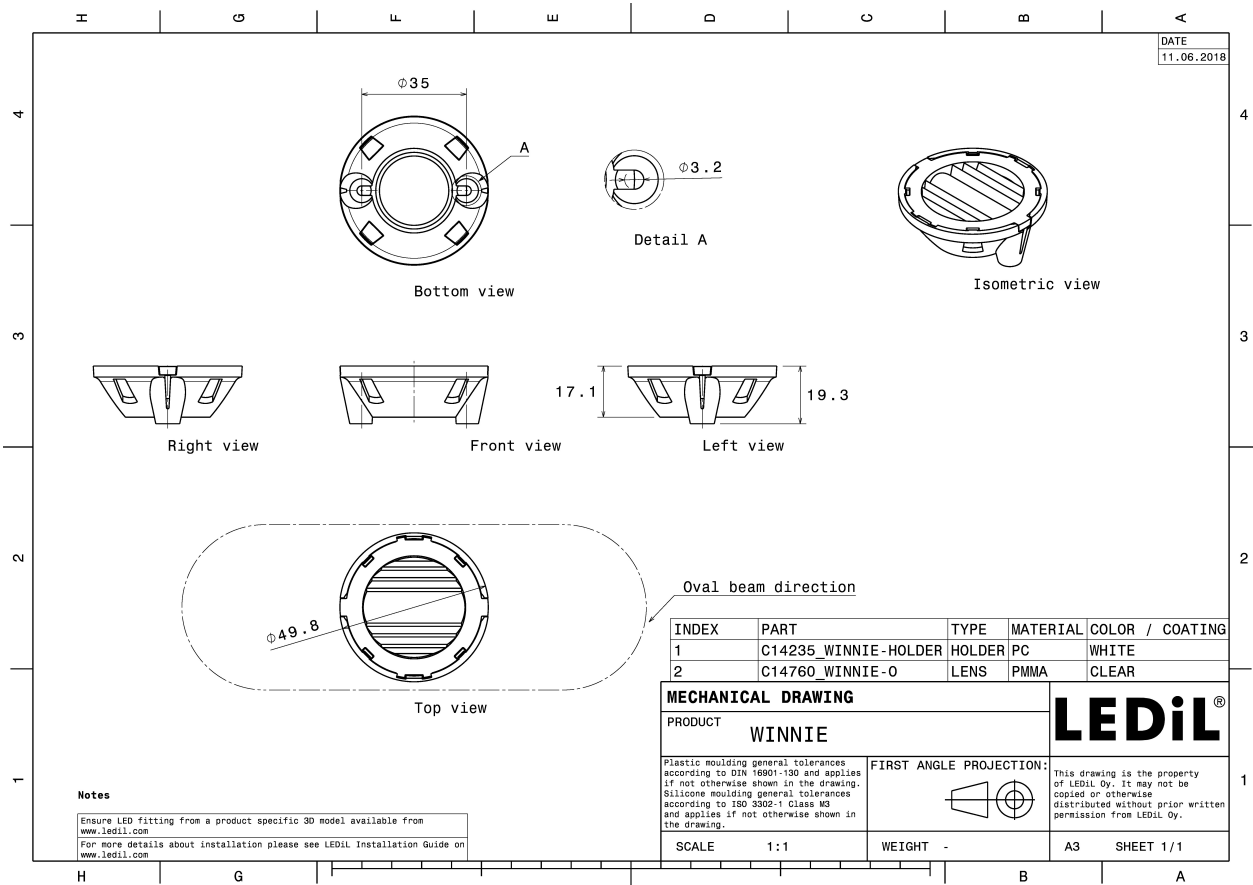
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
WINNIE-O	Single lens	PMMA	clear	
WINNIE-HOLDER	Holder	PC	white	


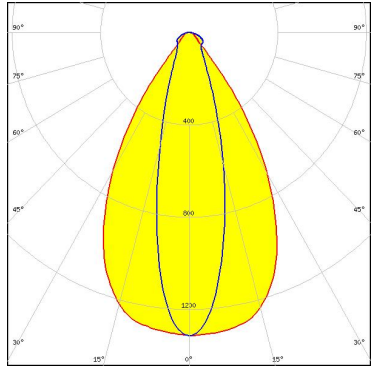
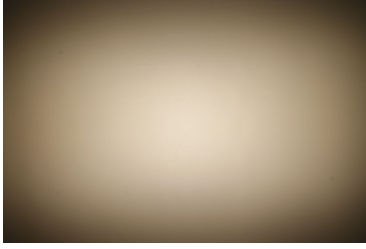
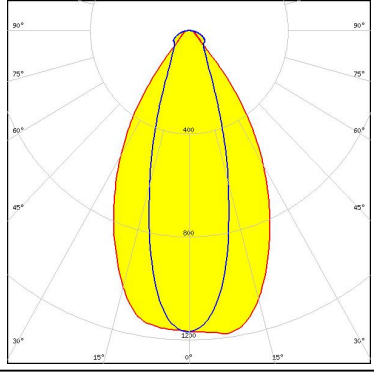
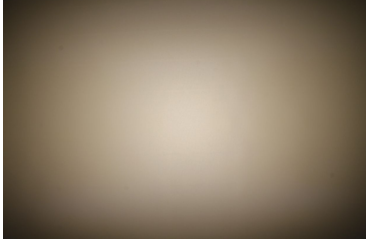
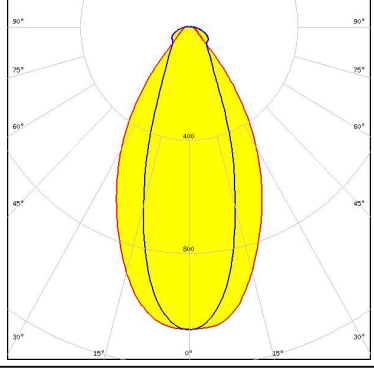
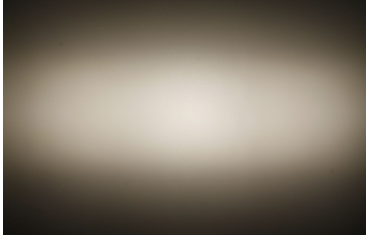
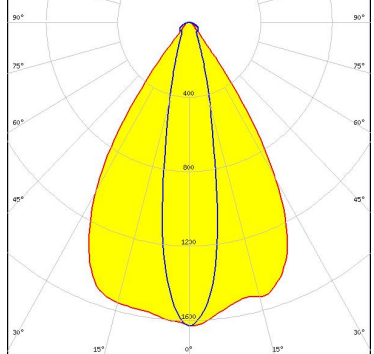
### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CN14811_WINNIE-O	Single lens	364	84	28	0.0
» Box size:					





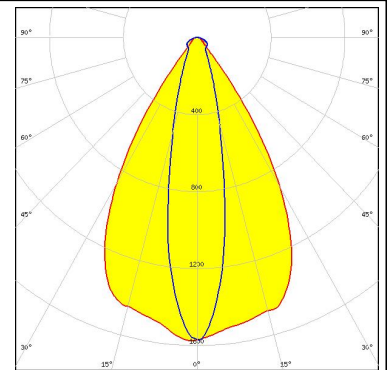
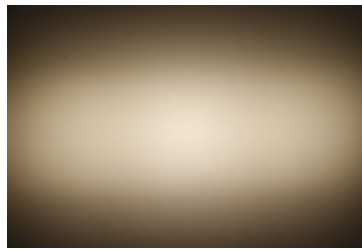
#### PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V13 Gen6</p> <p>FWHM 62.0 + 27.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 1.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>bridgelux.</p> <p>LED V15 Gen6</p> <p>FWHM 59.0 + 31.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 1.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>bridgelux.</p> <p>LED V18 Gen6</p> <p>FWHM 57.0 + 35.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 1.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>bridgelux.</p> <p>LED V8 Gen6</p> <p>FWHM 65.0 + 21.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 1.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

#### PHOTOMETRIC DATA (MEASURED):

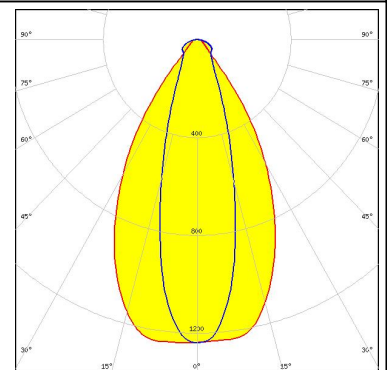
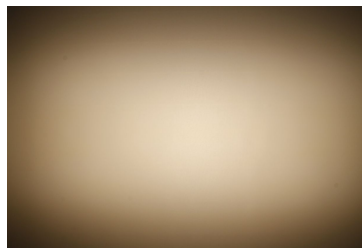
#### CITIZEN

LED CLL02x/CLU02x (LES10)  
 FWHM 63.0 + 22.0°  
 Efficiency 90 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 434 Typ L5



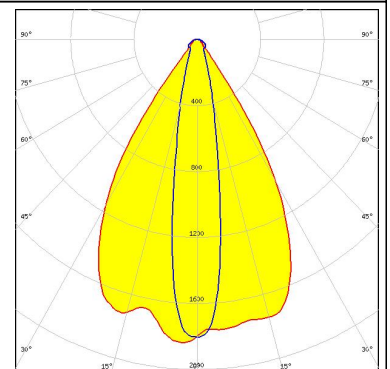
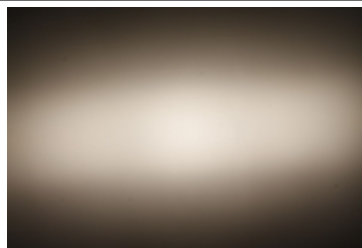
#### CITIZEN

LED CLL03x/CLU03x  
 FWHM 59.0 + 29.0°  
 Efficiency 90 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 433 Typ L5



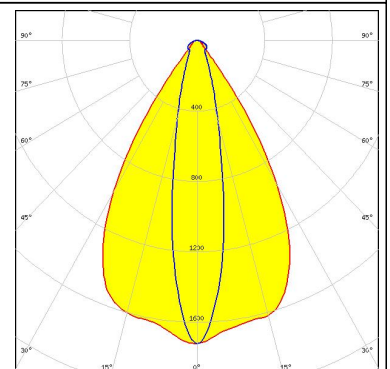
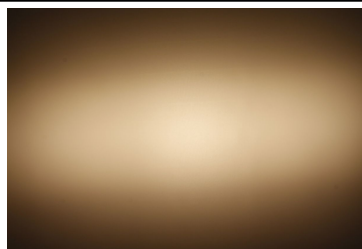
#### CITIZEN

LED CLU700/701/702  
 FWHM 64.0 + 18.0°  
 Efficiency 91 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### CITIZEN

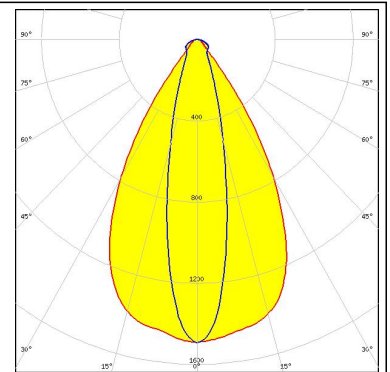
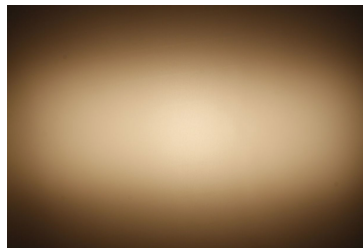
LED CLU710/711  
 FWHM 63.0 + 20.0°  
 Efficiency 91 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 470 Typ L5



#### PHOTOMETRIC DATA (MEASURED):

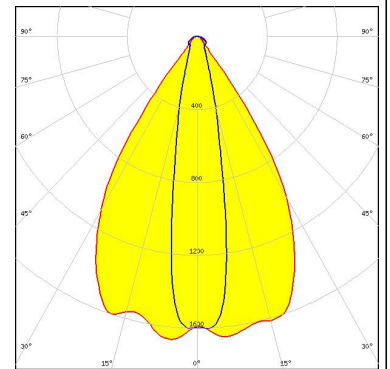
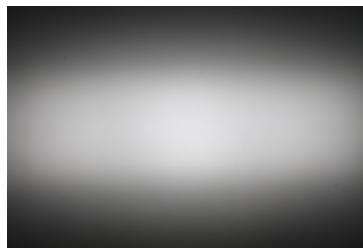
#### CITIZEN

LED CLU720/721  
 FWHM 61.0 + 23.0°  
 Efficiency 90 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 433 Typ L5



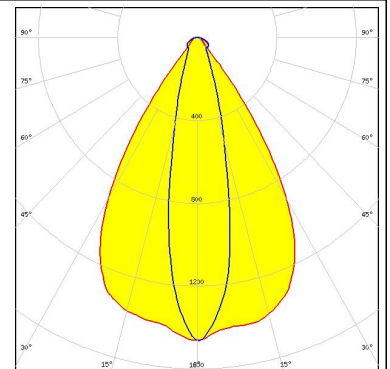
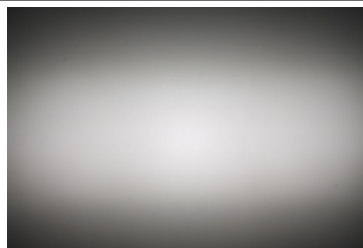
#### CREE

LED CXA/B 13xx  
 FWHM 66.0 + 20.0°  
 Efficiency 90 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



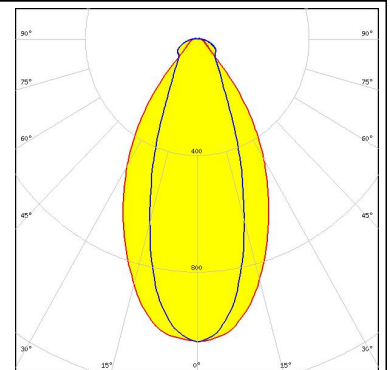
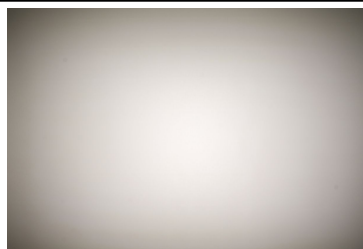
#### CREE

LED CXA/B 15xx  
 FWHM 65.0 + 23.0°  
 Efficiency 89 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### CREE

LED CXA/B 25xx  
 FWHM 57.0 + 37.0°  
 Efficiency 89 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

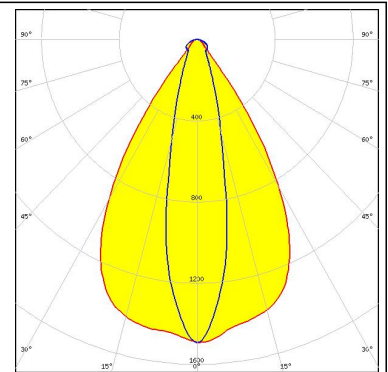
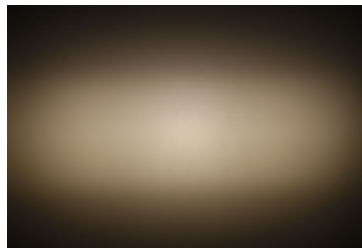




#### PHOTOMETRIC DATA (MEASURED):

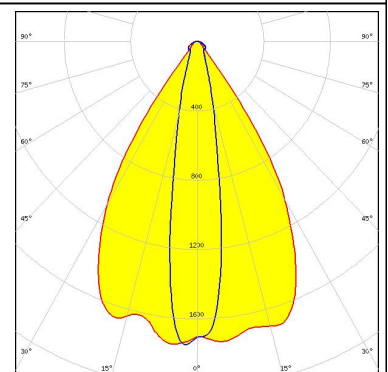
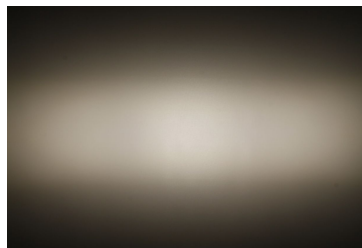
##### LUMILEDS

LED LUXEON CoB 1202/1203  
 FWHM 64.0 + 23.0°  
 Efficiency 89 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



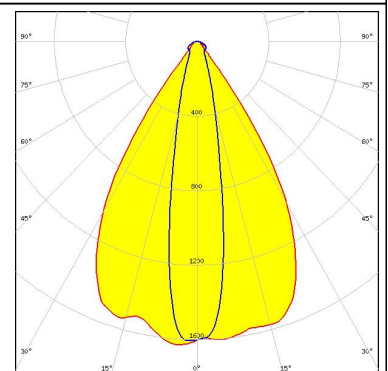
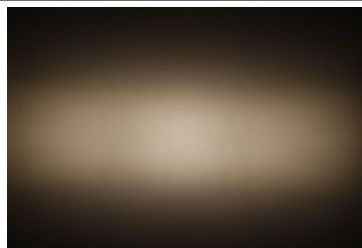
##### LUMILEDS

LED LUXEON CoB 1202s  
 FWHM 65.0 + 19.0°  
 Efficiency 90 %  
 Peak intensity 1800 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



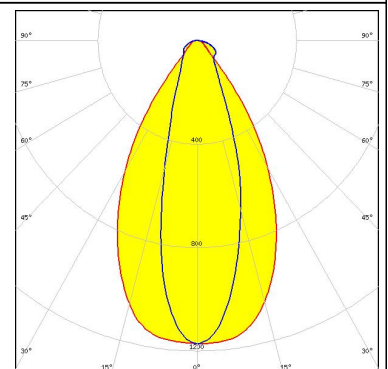
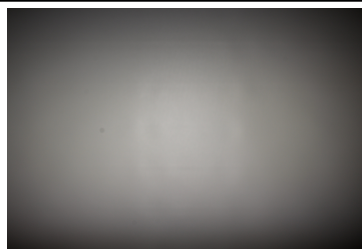
##### LUMILEDS

LED LUXEON CoB Compact  
 FWHM 65.0 + 20.0°  
 Efficiency 88 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### NICHIA

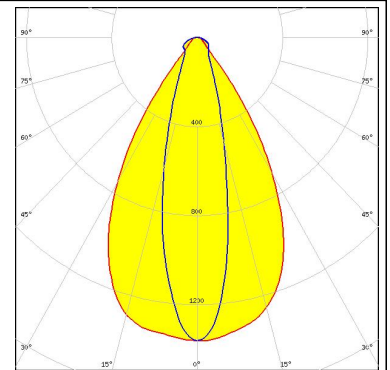
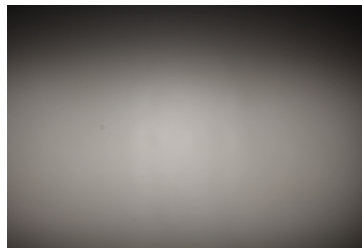
LED COB J-Type  
 FWHM 59.0 + 31.0°  
 Efficiency 89 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



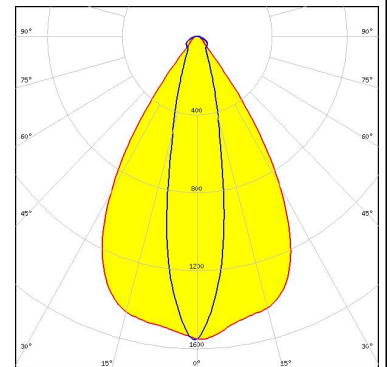
#### PHOTOMETRIC DATA (MEASURED):



LED COB L-Type (LES 11)  
 FWHM 62.0 + 25.0°  
 Efficiency 89 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

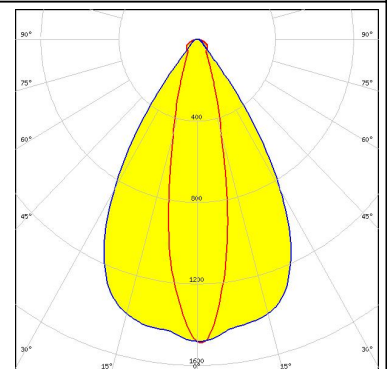
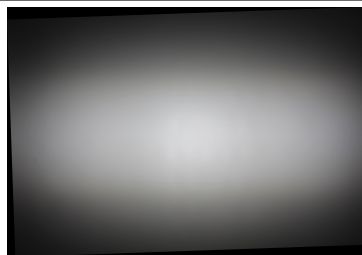


LED COB L-Type (LES 11)  
 FWHM 64.0 + 22.0°  
 Efficiency 90 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



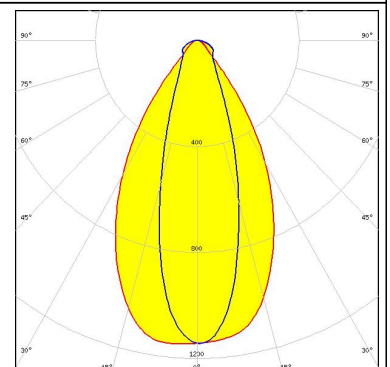
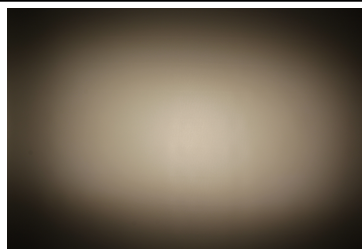
### SAMSUNG

LED LC003D / LC006D / LC009D / LC013D  
 FWHM 63.0 + 23.0°  
 Efficiency 87 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



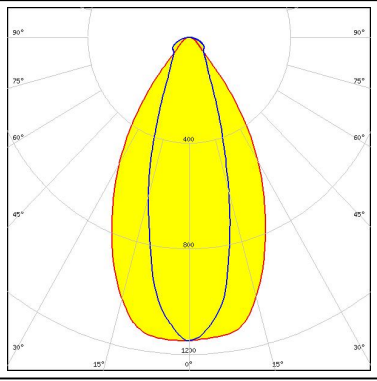


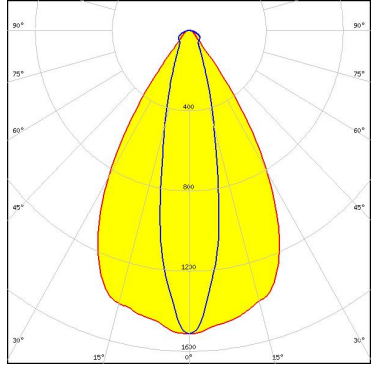


### SAMSUNG

LED LC016D / LC019D / LC026D / LC033D  
 FWHM 59.0 + 31.0°  
 Efficiency 85 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

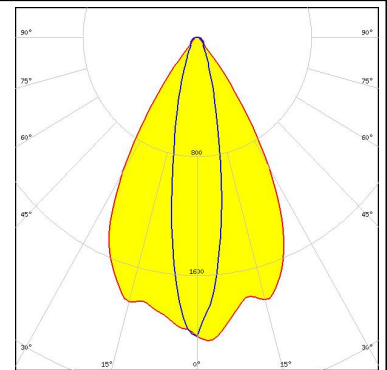
<p> SEOUL SEMICONDUCTOR</p> <p>LED MJT COB LES 14.5 FWHM 58.0 + 32.0° Efficiency 86 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White Required components: Bender Wirth: 433 Typ L5</p>		
<p> SEOUL SEMICONDUCTOR</p> <p>LED MJT COB LES 9.8 FWHM 62.0 + 23.0° Efficiency 89 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components: Bender Wirth: 434 Typ L5</p>		



#### PHOTOMETRIC DATA (SIMULATED):



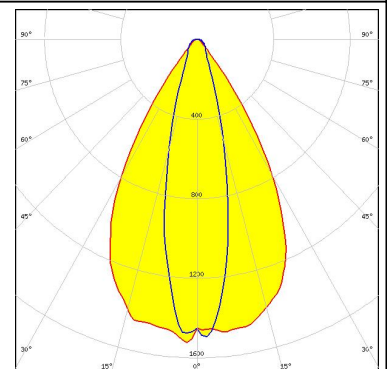
**LED** VERO10  
**FWHM** 60.0 + 20.0°  
**Efficiency** 100 %  
**Peak intensity** 2.1 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



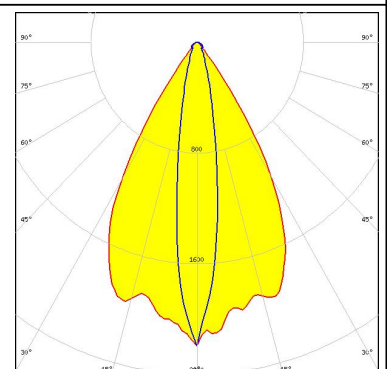
**LED** LUXEON M/MX  
**FWHM** 20.0 + 64.0°  
**Efficiency** 92 %  
**Peak intensity** 1.9 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



**LED** Soleriq S9  
**FWHM** 61.0 + 24.0°  
**Efficiency** 88 %  
**Peak intensity** 1.6 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



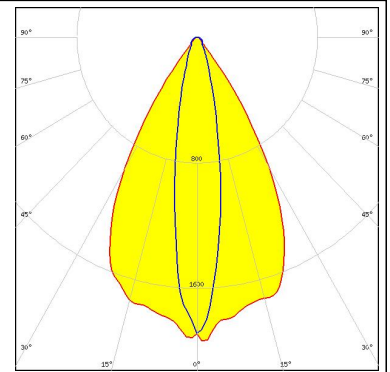
**LED** LC010C  
**FWHM** 56.0 + 16.0°  
**Efficiency** 92 %  
**Peak intensity** 2.2 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 Bender Wirth: 479 Typ L5



### PHOTOMETRIC DATA (SIMULATED):

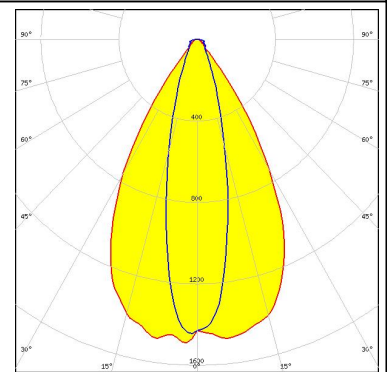
#### SAMSUNG

LED LC020C  
FWHM 60.0 + 18.0°  
Efficiency 89 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 479 Typ L5



#### SAMSUNG

LED LC040C  
FWHM 60.0 + 24.0°  
Efficiency 87 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 479 Typ L5



### 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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#### LEDiL Oy

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Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Local sales and technical support

[www.ledil.com/  
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 «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.