

## WINNIE-W

~50° wide 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 

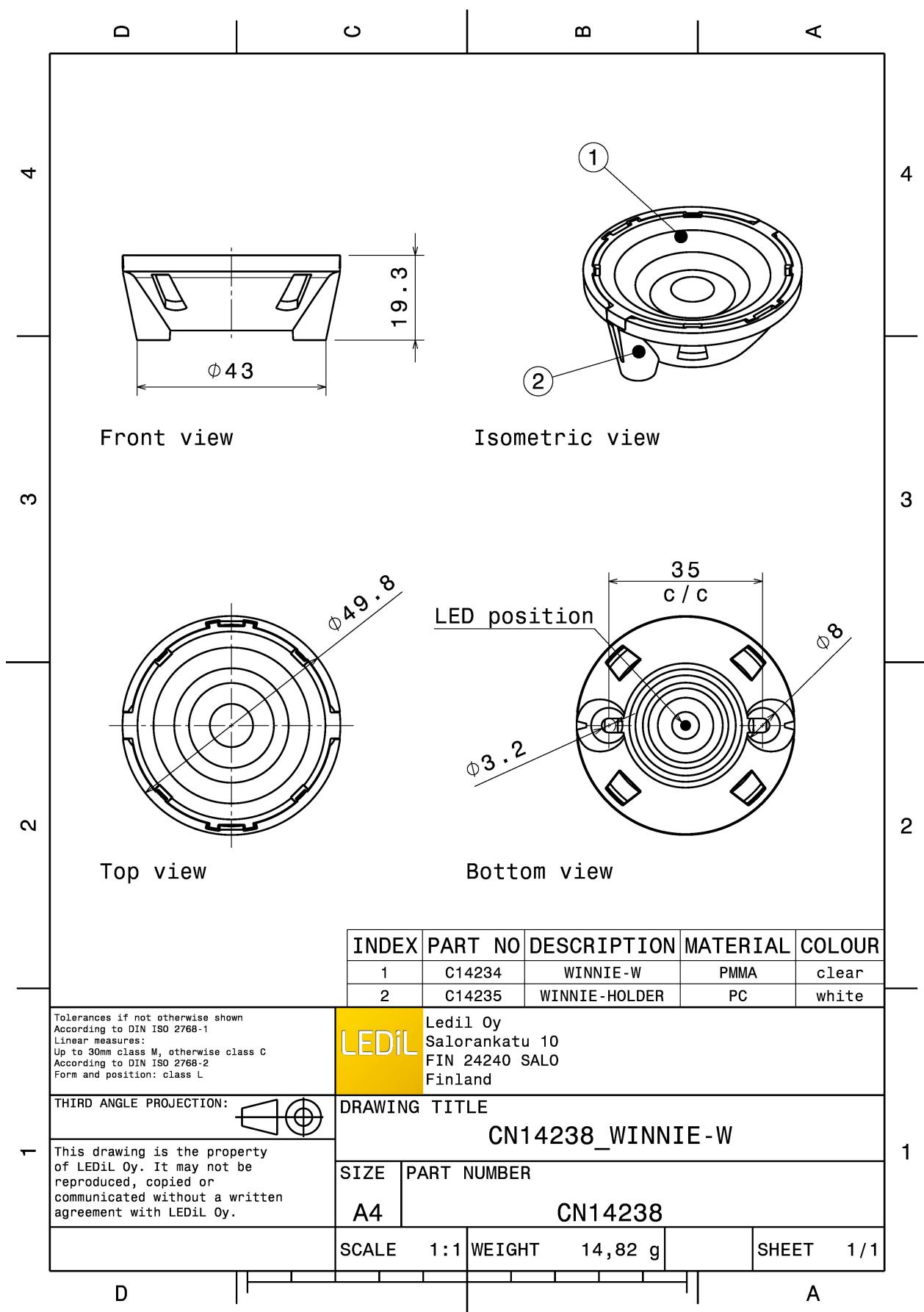


### MATERIAL SPECIFICATIONS:

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

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CN14238_WINNIE-W	364	84	28	0.0
» Box size:				

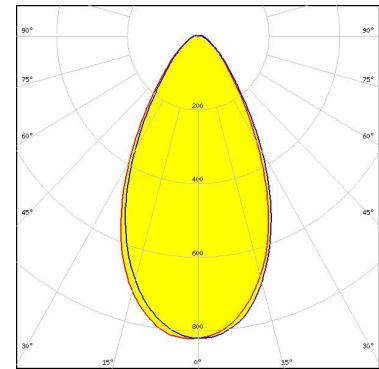


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

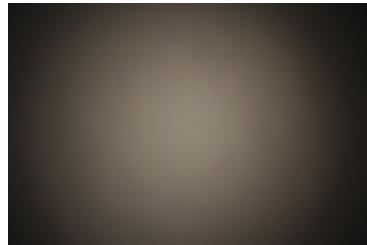
## PHOTOMETRIC DATA (MEASURED):



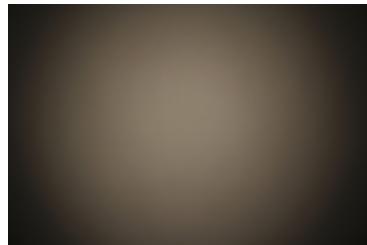
**LED** V18 Gen6  
**FWHM** 56.0°  
**Efficiency** 88 %  
**Peak intensity** 0.8 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



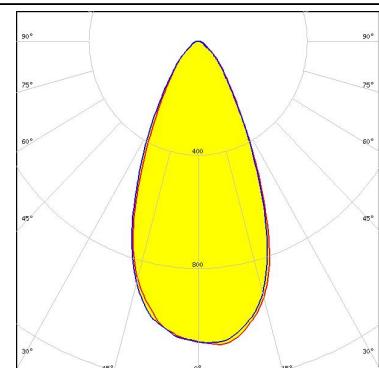
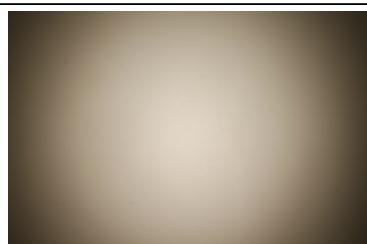
**LED** V6 Gen6  
**FWHM** 47.0°  
**Efficiency** 87 %  
**Peak intensity** 1.2 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



**LED** V8 Gen6  
**FWHM** 48.0°  
**Efficiency** 88 %  
**Peak intensity** 1.1 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



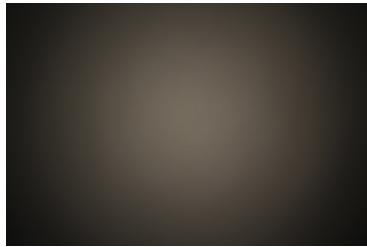
**LED** VERO10  
**FWHM** 49.0°  
**Efficiency** 90 %  
**Peak intensity** 1.1 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



## PHOTOMETRIC DATA (MEASURED):

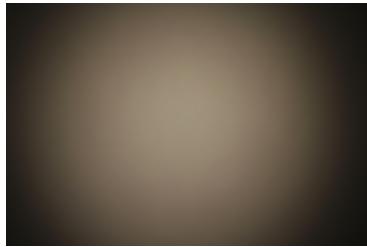
### CITIZEN

LED CLL01x  
 FWHM 45.0°  
 Efficiency 87 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



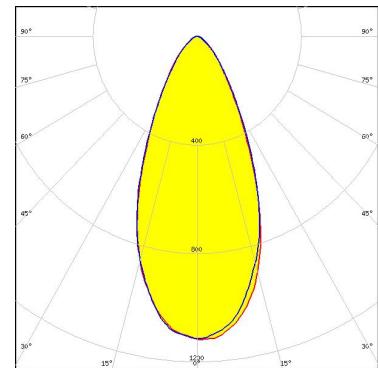
### CITIZEN

LED CLL02x/CLU02x (LES10)  
 FWHM 46.0°  
 Efficiency 87 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



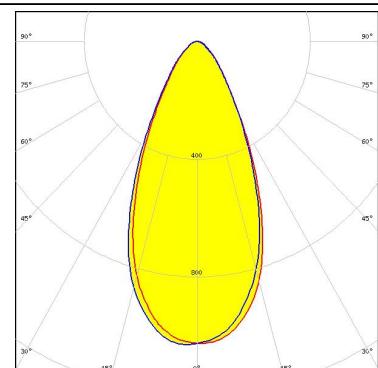
### CITIZEN

LED CLL02x/CLU02x (LES10)  
 FWHM 46.0°  
 Efficiency 87 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 434 Typ L5



### CITIZEN

LED CLL03x/CLU03x  
 FWHM 48.0°  
 Efficiency 88 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 433 Typ L5



## PHOTOMETRIC DATA (MEASURED):

### CITIZEN

LED CLU700/701/702

FWHM 42.0°

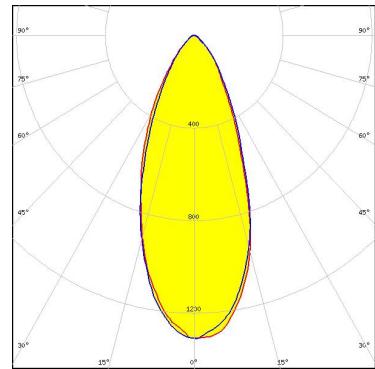
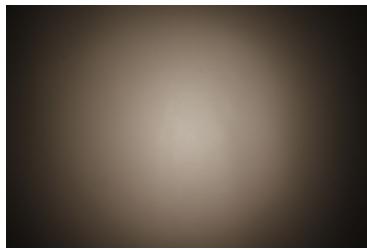
Efficiency 88 %

Peak intensity 1.3 cd/lm

LEDs/each optic 1

Light colour White

Required components:



### CITIZEN

LED CLU700/701/702

FWHM 42.0°

Efficiency 88 %

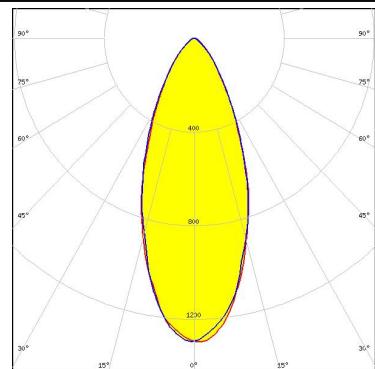
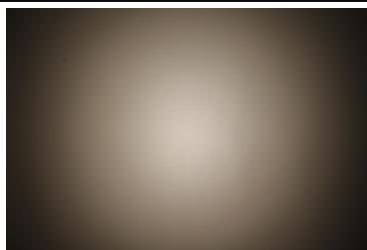
Peak intensity 1.3 cd/lm

LEDs/each optic 1

Light colour White

Required components:

Bender Wirth: 434 Typ L5



### CITIZEN

LED CLU710/711

FWHM 45.0°

Efficiency 88 %

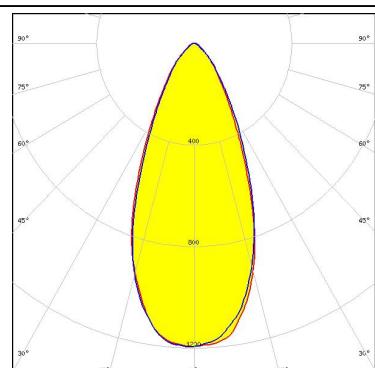
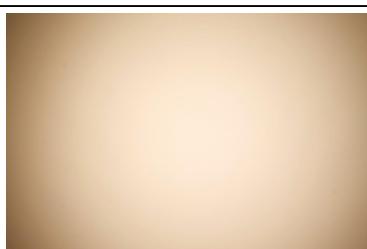
Peak intensity 1.2 cd/lm

LEDs/each optic 1

Light colour White

Required components:

Bender Wirth: 470 Typ L5



### CITIZEN

LED CLU710/711

FWHM 47.0°

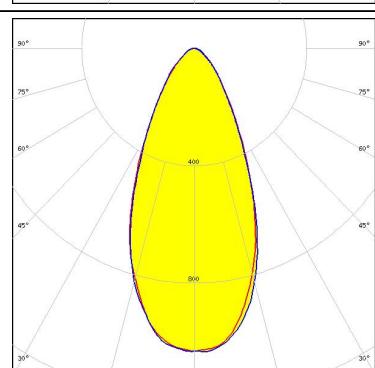
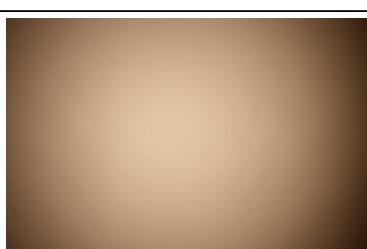
Efficiency 87 %

Peak intensity 1 cd/lm

LEDs/each optic 1

Light colour White

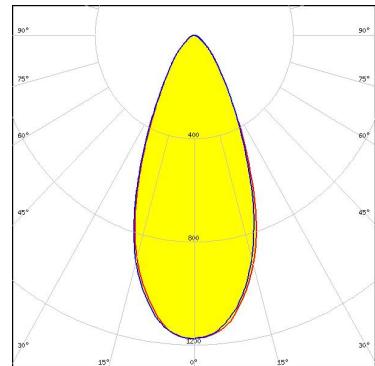
Required components:



## PHOTOMETRIC DATA (MEASURED):

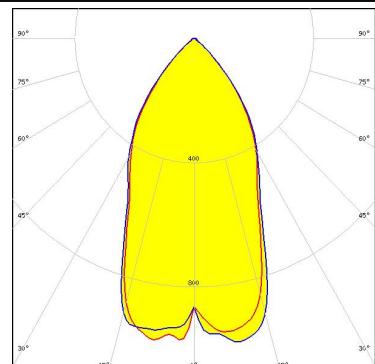
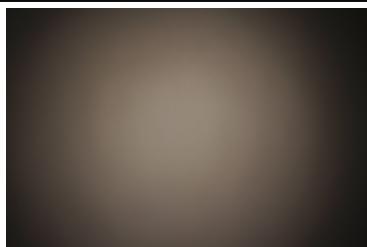
### CITIZEN

LED CLU720/721  
 FWHM 45.0°  
 Efficiency 87 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
     Bender Wirth: 433 Typ L5



### CREE

LED CXA/B 13xx  
 FWHM 51.0°  
 Efficiency 89 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



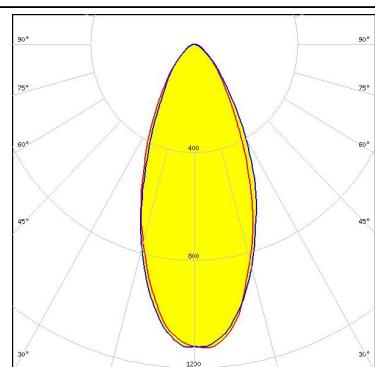
### CREE

LED CXA/B 15xx  
 FWHM 52.0°  
 Efficiency 87 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### CREE

LED MHD-E/G  
 FWHM 45.0°  
 Efficiency 88 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



## PHOTOMETRIC DATA (MEASURED):

### LUMILEDS

LED LUXEON CoB 1202/1203  
FWHM 48.0°  
Efficiency 88 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### LUMILEDS

LED LUXEON CoB 1202s  
FWHM 46.0°  
Efficiency 89 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### LUMINUS

LED CxM-14 (19x19)  
FWHM 50.0°  
Efficiency 86 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### LUMINUS

LED CxM-9 (13.5x13.5)  
FWHM 48.0°  
Efficiency 90 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



## PHOTOMETRIC DATA (MEASURED):

### OSRAM

Opto Semiconductors

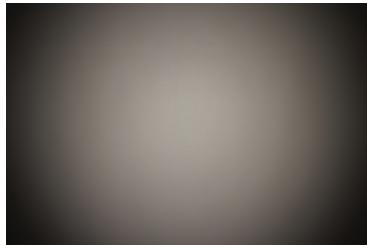
LED Duris S10  
 FWHM 54.0°  
 Efficiency 88 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OSRAM

Opto Semiconductors

LED Soleriq S13  
 FWHM 49.0°  
 Efficiency 87 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OSRAM

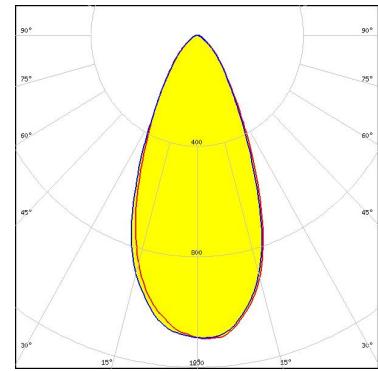
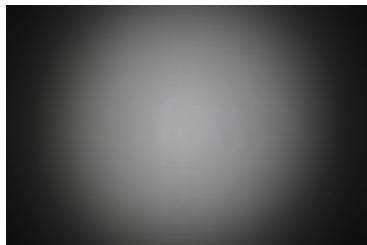
Opto Semiconductors

LED Soleriq S19  
 FWHM 50.0°  
 Efficiency 84 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### SAMSUNG

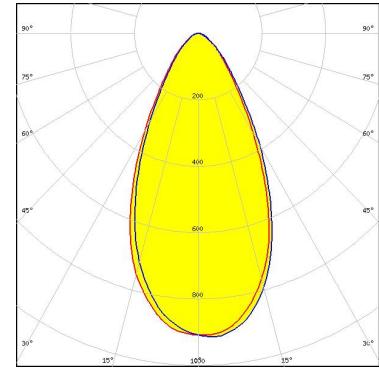
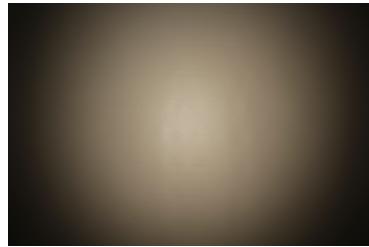
LED LC003D / LC006D / LC009D / LC013D  
 FWHM 47.0°  
 Efficiency 88 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



## PHOTOMETRIC DATA (MEASURED):

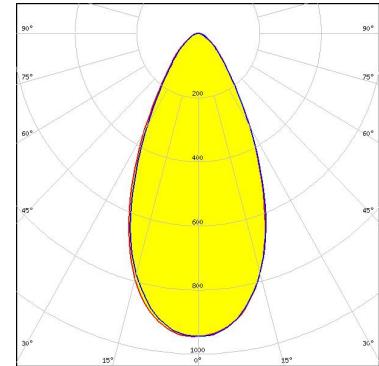
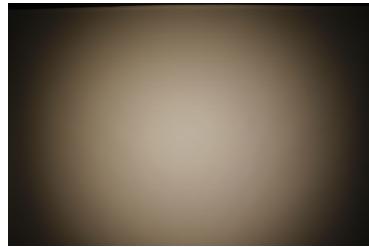
### SAMSUNG

LED LC016D / LC019D / LC026D / LC033D  
 FWHM 52.0°  
 Efficiency 85 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



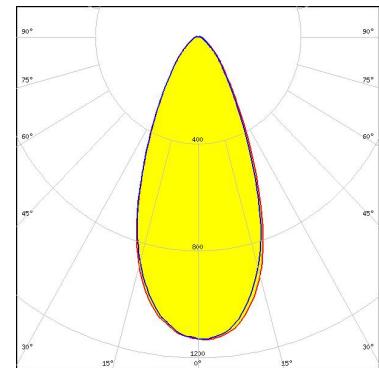
### SEOUL SEMICONDUCTOR

LED MJT COB LES 14.5  
 FWHM 51.0°  
 Efficiency 84 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 433 Typ L5



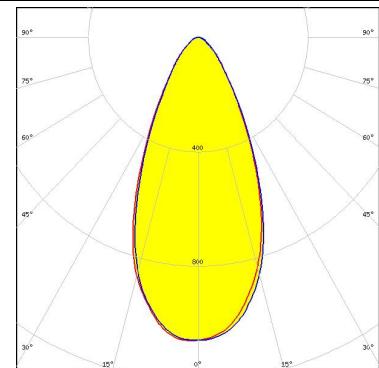
### SEOUL SEMICONDUCTOR

LED MJT COB LES 9.8  
 FWHM 46.0°  
 Efficiency 90 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 434 Typ L5



### SEOUL SEMICONDUCTOR

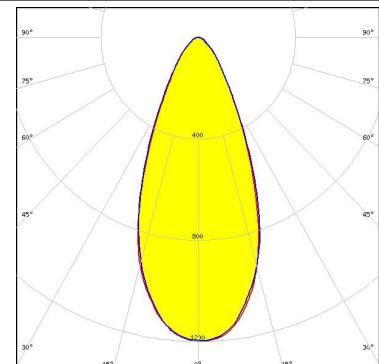
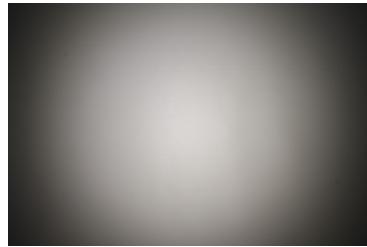
LED ZC12/18  
 FWHM 48.0°  
 Efficiency 89 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 433 Typ L5



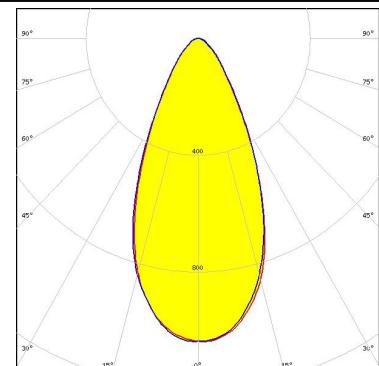
## PHOTOMETRIC DATA (MEASURED):



LED DMC 124 / 125  
FWHM 45.0°  
Efficiency 89 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 433 Typ L5



LED DMC 128  
FWHM 49.0°  
Efficiency 88 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 433 Typ L5



## PHOTOMETRIC DATA (SIMULATED):

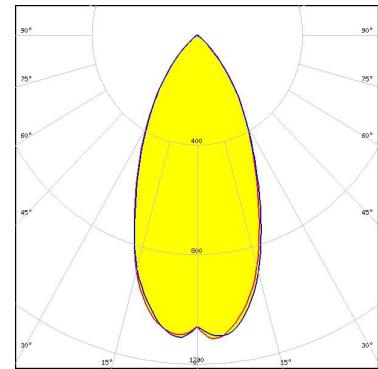
### CREE

LED CXA/B 15xx  
FWHM 48.0°

Efficiency 86 %  
Peak intensity 1.1 cd/lm

LEDs/each optic 1  
Light colour White

Required components:  
C14305\_STELLA-CLAMP-CXA15-18



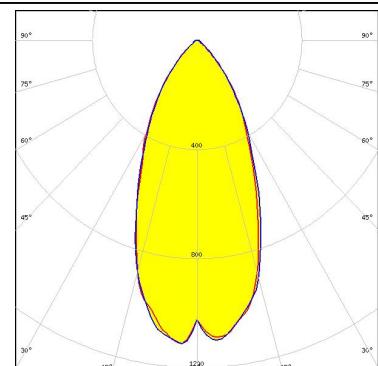
### LUMILEDS

LED LUXEON CoB 1202/1203  
FWHM 47.0°

Efficiency 89 %  
Peak intensity 1.2 cd/lm

LEDs/each optic 1  
Light colour White

Required components:  
Bender Wirth: 441 Typ L5



### LUMILEDS

LED LUXEON CoB Compact  
FWHM 46.0°

Efficiency 89 %  
Peak intensity 1.3 cd/lm

LEDs/each optic 1  
Light colour White

Required components:

### LUMILEDS

LED LUXEON M/MX  
FWHM 56.0°

Efficiency 94 %  
Peak intensity 0.9 cd/lm

LEDs/each optic 1  
Light colour White

Required components:

## PHOTOMETRIC DATA (SIMULATED):



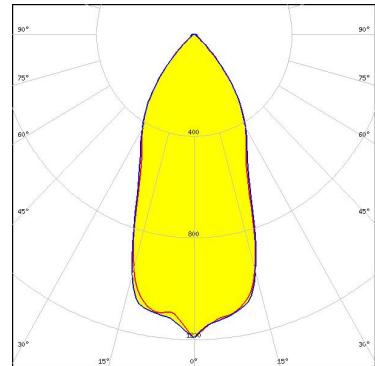
LED CxM-14 (19x19)  
 FWHM 48.0°  
 Efficiency 88 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
     Bender Wirth: 433 Typ L5



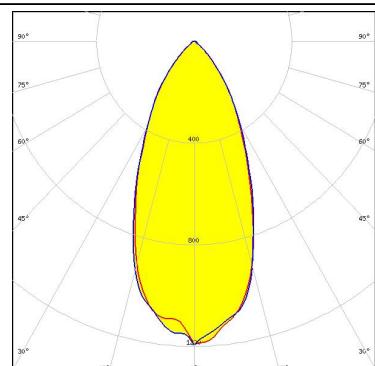
LED CxM-9 (13.5x13.5)  
 FWHM 46.0°  
 Efficiency 87 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
     Bender Wirth: 434 Typ L5



LED COB S-Type (LES 6)  
 FWHM 44.0°  
 Efficiency 92 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



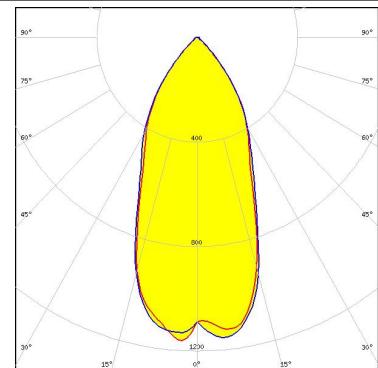
Opto Semiconductors  
 LED Soleriq S9  
 FWHM 45.0°  
 Efficiency 90 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



## PHOTOMETRIC DATA (SIMULATED):

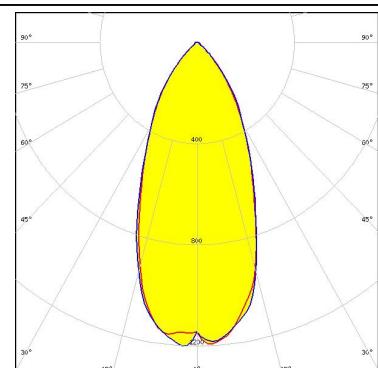
### SAMSUNG

LED LC010C  
 FWHM 45.0°  
 Efficiency 91 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 479 Typ L5



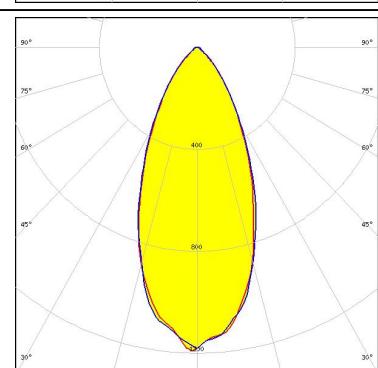
### SAMSUNG

LED LC020C  
 FWHM 45.0°  
 Efficiency 89 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 479 Typ L5



### SAMSUNG

LED LC040C  
 FWHM 45.0°  
 Efficiency 88 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 479 Typ L5



SEOUL SEMICONDUCTOR

LED ZC4/6  
 FWHM 46.0°  
 Efficiency 87 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 434 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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