

# PRODUCT DATASHEET WINNIE-S

#### **WINNIE-S**

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

#### **SPECIFICATION:**

Dimensions Ø 49.8 mm
Height 19.3 mm
Fastening screw
ROHS compliant yes ①



#### **MATERIALS:**

Component	Type	Material	Colour	Finish	Length
C14232_WINNIE-S	Single lens	PMMA	clear		49.6
C14235 WINNIE-HOLDER	Holder	PC	white		49.8

#### **ORDERING INFORMATION:**

#### Quantities for one set:

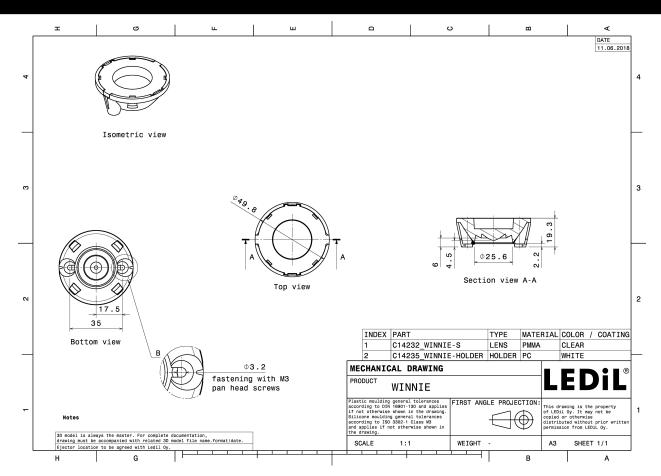
Single lens 1 Holder 1



Component		Qty in box	MOQ	MPQ	Box weight (kg)
C14232_WINNIE-S » Box size: 480 x 280 x 300 mm	Single lens	364	84	28	7.0
C14235_WINNIE-HOLDER  » Box size: 480 x 280 x 300 mm	Holder	1820	84	28	7.2



# **PRODUCT**

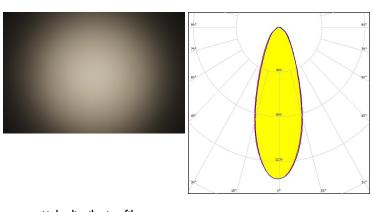


See also our general installation guide: <a href="www.ledil.com/installation\_guide">www.ledil.com/installation\_guide</a>





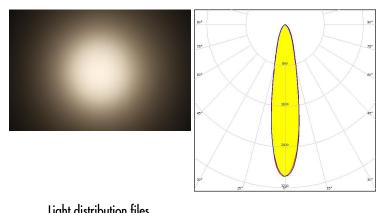
LED V18 Gen6  $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 36.0° / 84.0° Efficiency 88 % Peak intensity 1.4 cd/lm LEDs/each optic Light colour/type White Required components:



Light distribution files

#### bridgelux

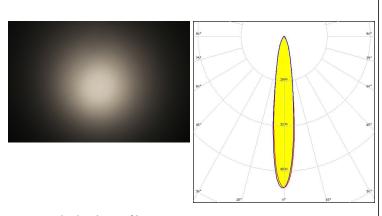
VERO10 FWHM / FWTM 21.0° / 55.0° Efficiency 89 % Peak intensity 3 cd/lm LEDs/each optic Light colour/type White Required components:



#### Light distribution files

## **CITIZEN**

LED CLL01x FWHM / FWTM 16.0° / 42.0° Efficiency 87 % Peak intensity 5.4 cd/lm LEDs/each optic Light colour/type White Required components:



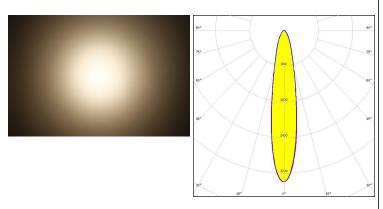
Light distribution files



## **CITIZEN**

LED CLL02x/CLU02x (LES10)

FWHM / FWTM 20.0° / 50.0°
Efficiency 88 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
Bender Wirth: 434 Typ L5

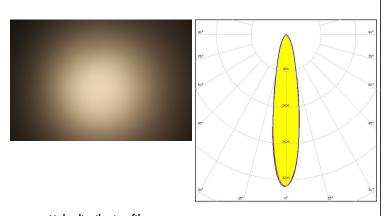


Light distribution files

## **CITIZEN**

LED CLL02x/CLU02x (LES10)

FWHM / FWTM 21.0° / 52.0°
Efficiency 87 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

# **CITIZEN**

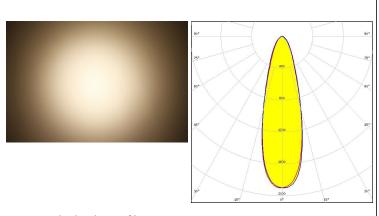
 LED
 CLL03x/CLU03x

 FWHM / FWTM
 30.0° / 68.0°

 Efficiency
 88 %

Peak intensity 1.9 cd/lm LEDs/each optic 1 Light colour/type White Required components:

Bender Wirth: 433 Typ L5



Light distribution files



## **CITIZEN**

Required components:

LED CLL03x/CLU03x 28.0° / 66.0° FWHM / FWTM Efficiency 87 % Peak intensity 2.1 cd/lm LEDs/each optic Light colour/type White

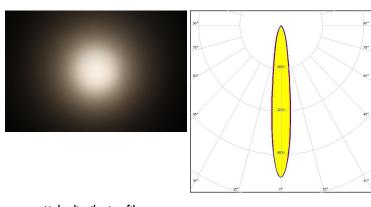
Light distribution files

## **CITIZEN**

CLU700/701/702/703

FWHM / FWTM 15.0° / 39.0° Efficiency 90 % Peak intensity 5.7 cd/lm LEDs/each optic Light colour/type White

Required components: Bender Wirth: 434 Typ L5

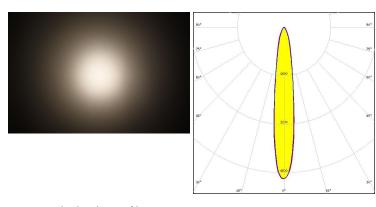


Light distribution files

# **CITIZEN**

LED CLU700/701/702/703

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 15.0° / 41.0° Efficiency 89 % Peak intensity 5 cd/lm LEDs/each optic 1 Light colour/type White Required components:

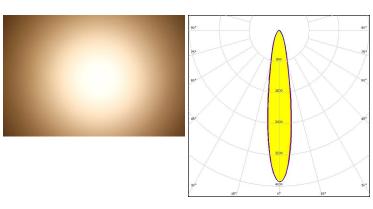


Light distribution files



## **CITIZEN**

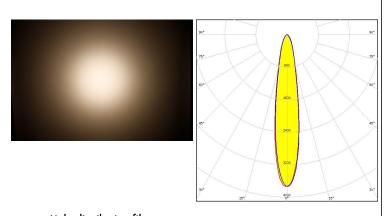
LED CLU710/711 18.0° / 47.0° FWHM / FWTM Efficiency 88 % Peak intensity 3.9 cd/lm LEDs/each optic White Light colour/type Required components: Bender Wirth: 470 Typ L5



Light distribution files

## **CITIZEN**

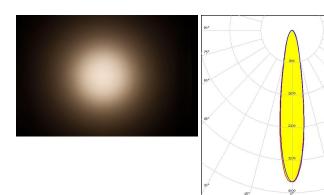
CLU710/711 FWHM / FWTM 18.0° / 47.0° Efficiency 90 % Peak intensity 3.7 cd/lm LEDs/each optic Light colour/type White Required components:



Light distribution files

## **CITIZEN**

LED CLU710/711  $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 18.0° / 47.0° Efficiency 90 % Peak intensity 3.7 cd/lm LEDs/each optic Light colour/type White Required components:

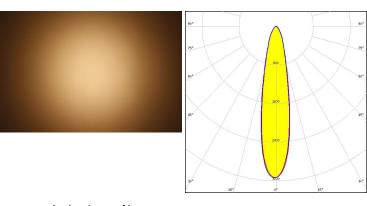


Light distribution files



## **CITIZEN**

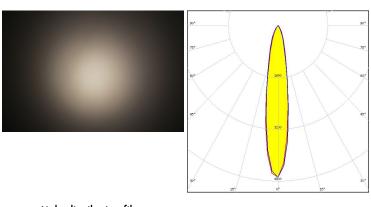
LED CLU720/721/723
FWHM / FWTM 22.0° / 54.0°
Efficiency 93 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
Bender Wirth: 433 Typ L5



Light distribution files

# CREE \$

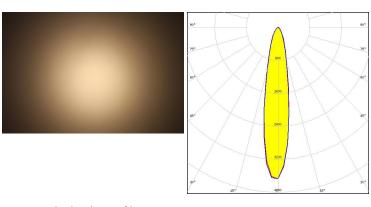
LED CXA/B 13xx
FWHM / FWTM 18.0° / 46.0°
Efficiency 89 %
Peak intensity 4.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

# CREE -

LED CXA/B 15xx
FWHM / FWTM 20.0° / 49.0°
Efficiency 87 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



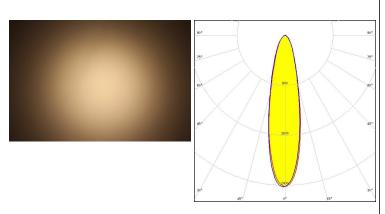
Light distribution files



# CREE \$

LED CXA/B 1816 & CXA/B 1820 & CXA 1850

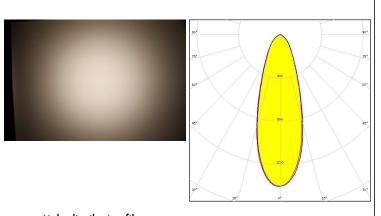
FWHM / FWTM 25.0° / 61.0°
Efficiency 86 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

# CREE \$

LED CXA/B 25xx
FWHM / FWTM 35.0° / 83.0°
Efficiency 85 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

## **DESCRIPTION**

LED LUXEON CoB 1202/1203

FWHM / FWTM 20.0° / 54.0°
Efficiency 87 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:





## **MUMILEDS**

LED LUXEON CoB 1202s

FWHM / FWTM 15.0° / 42.0°
Efficiency 89 %
Peak intensity 5.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

## LUMINUS

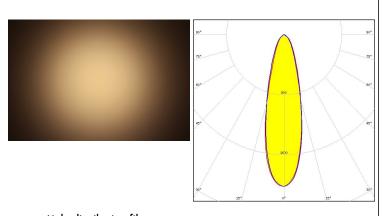
 LED
 CxM-14 (19x19)

 FWHM / FWTM
 29.0° / 67.0°

 Efficiency
 86 %

 Peak intensity
 2 cd/lm

LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

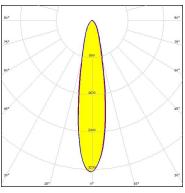


LED CxM-9 (13.5x13.5) FWHM / FWTM 22.0° / 53.0°

Efficiency 87 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:





Light distribution files

10/20



# OSRAM Opto Semiconductors

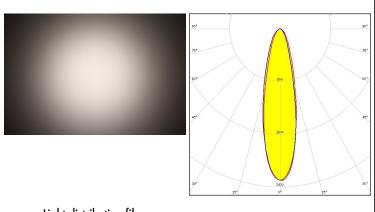
Duris S10 18.0° / 51.0° FWHM / FWTM Efficiency 88 % Peak intensity 4 cd/lm LEDs/each optic Light colour/type White Required components:



Light distribution files

## OSRAM Opto Semiconductors

Soleriq S13 FWHM / FWTM 26.0° / 64.0° Efficiency 88 % Peak intensity 2.3 cd/lm LEDs/each optic Light colour/type White Required components:



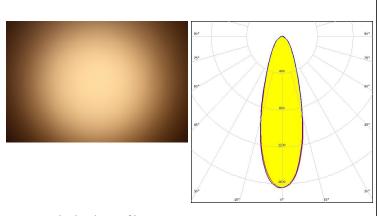
Light distribution files

## OSRAM Opto Semiconductors

LED Soleriq S19  $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 33.0° / 77.0°

Efficiency 88 % Peak intensity 1.6 cd/lm LEDs/each optic

Light colour/type White Required components:



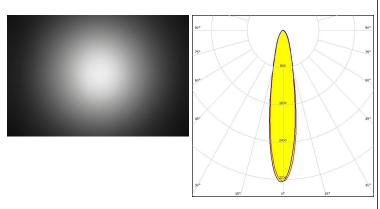
Light distribution files



# **SAMSUNG**

LC003D / LC006D / LC009D / LC013D

FWHM / FWTM 20.0° / 51.0° Efficiency 87 % Peak intensity 3.3 cd/lm LEDs/each optic Light colour/type White Required components:



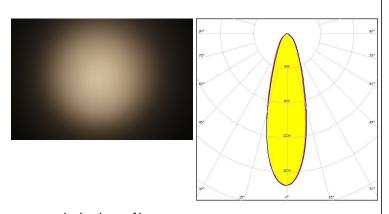
Light distribution files

## **SAMSUNG**

LC016D / LC019D / LC026D / LC033D

FWHM / FWTM 30.0° / 72.0° Efficiency 86 % Peak intensity 1.8 cd/lm LEDs/each optic Light colour/type White

Required components:



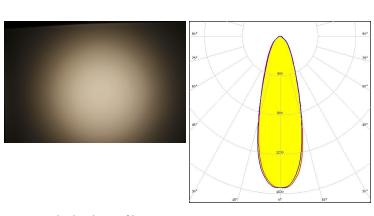
Light distribution files



LED MJT COB LES 14.5

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 33.0° / 79.0° Efficiency 86 % Peak intensity 1.5 cd/lm LEDs/each optic Light colour/type White

Required components: Bender Wirth: 433 Typ L5



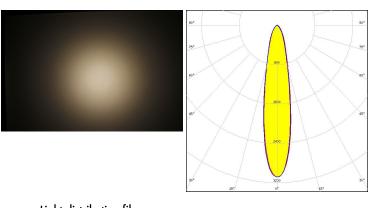
Light distribution files





LED MJT COB LES 9.8 FWHM / FWTM 21.0° / 54.0° Efficiency 89 % Peak intensity 3.1 cd/lm LEDs/each optic White Light colour/type Required components:

Bender Wirth: 434 Typ L5

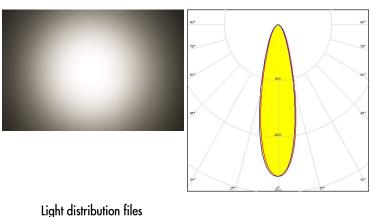


Light distribution files



ZC12/18 FWHM / FWTM 27.0° / 64.0° Efficiency 88 % Peak intensity 2.2 cd/lm LEDs/each optic Light colour/type White

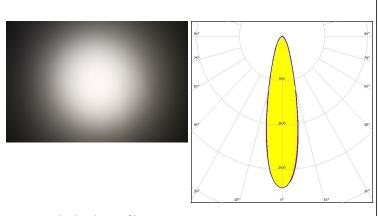
Required components: Bender Wirth: 433 Typ L5





LED DMC 124 / 125  $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 24.0° / 55.0° Efficiency 89 % Peak intensity 2.7 cd/lm LEDs/each optic White

Light colour/type Required components: Bender Wirth: 433 Typ L5

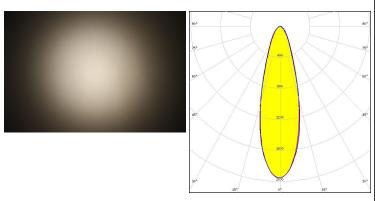


Light distribution files





LED DMC 128
FWHM / FWTM 30.0° / 67.0°
Efficiency 88 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
Bender Wirth: 433 Typ L5



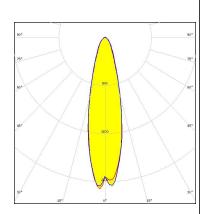
Light distribution files

Published: 22/03/2022





LED V13 Gen7
FWHM / FWTM 26.0° / 60.0°
Efficiency 91 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

# CREE \$

LED CXA/B 13xx
FWHM / FWTM 12.0° / 25.0°
Efficiency 88 %
Peak intensity 10.1 cd/lm
LEDs/each optic 1
Light colour/type White

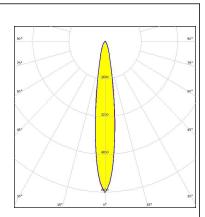
Required components:

Light distribution files

Bender Wirth: 448 Typ L5

# CREE -

LED MHD-E/G
FWHM / FWTM 16.0° / 36.0°
Efficiency 93 %
Peak intensity 6.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files





LED LUXEON CoB 1202/1203

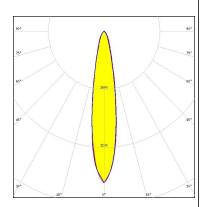
White

FWHM / FWTM 18.0° / 44.0°
Efficiency 88 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1

Required components:

Light colour/type

Bender Wirth: 441 Typ L5



Light distribution files

# **DESCRIPTION**

LED LUXEON CoB Compact

FWHM / FWTM 15.0° / 42.0°
Efficiency 89 %
Peak intensity 5.8 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

Light distribution files



LED CxM-14 (19x19)
FWHM / FWTM 30.0° / 68.0°
Efficiency 88 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

Bender Wirth: 433 Typ L5

Light distribution files





LED CxM-9 (13.5x13.5) FWHM / FWTM 20.0° / 50.0°

 FWHM / FWTM
 20.0° / 50

 Efficiency
 88 %

 Peak intensity
 3.4 cd/lm

LEDs/each optic 1
Light colour/type White

Required components:

Bender Wirth: 434 Typ L5

Light distribution files

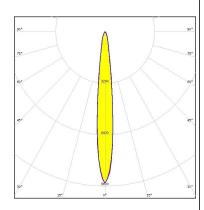


LED COB S-Type (LES 6)

FWHM / FWTM 12.0° / 28.0° Efficiency 92 % Peak intensity 9.4 cd/lm LEDs/each optic 1

Light colour/type White

Required components:

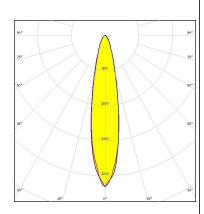


Light distribution files



LED Soleriq S9
FWHM / FWTM 22.0° / 49.0°
Efficiency 89 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files



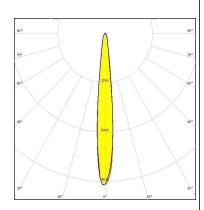
# **SAMSUNG**

LFD LC010C FWHM / FWTM 12.0° / 25.0° Efficiency 88 % Peak intensity 10.1 cd/lm

LEDs/each optic 1 Light colour/type White

Required components:

Bender Wirth: 479 Typ L5



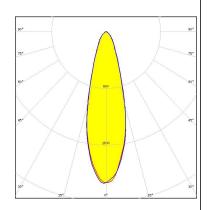
Light distribution files

## **SAMSUNG**

LC016D / LC019D / LC026D / LC033D LFD

FWHM / FWTM 29.0° / 64.0° Efficiency 91 % Peak intensity 2.2 cd/lm LEDs/each optic Light colour/type White

Required components:



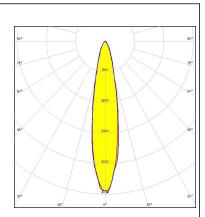
Light distribution files

## **SAMSUNG**

LC020C FWHM / FWTM 20.0° / 46.0° Efficiency 89 % Peak intensity 4 cd/lm LEDs/each optic Light colour/type White

Required components:

Bender Wirth: 479 Typ L5



Light distribution files

# **SAMSUNG**

LED LC040C FWHM / FWTM 26.0° / 59.0°

Efficiency 87 %
Peak intensity 2.5 cd/lm

LEDs/each optic 1
Light colour/type White
Required components:

Bender Wirth: 479 Typ L5

Light distribution files



LED ZC4/6 FWHM / FWTM 20.0° / 50.0°

Efficiency 88 %
Peak intensity 3.4 cd/lm

LEDs/each optic 1
Light colour/type White

Required components:

Bender Wirth: 434 Typ L5

Published: 22/03/2022



# PRODUCT DATASHEET WINNIE-S

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

# Local sales and technical support

www.ledil.com/ where\_to\_buy

#### **Shipping locations**

Poznan, Poland Hong Kong, China

#### **Distribution Partners**

20/20

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