



#### **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:**

ComponentTypeMaterialColourFinishC14232\_WINNIE-SSingle lensPMMAclearC14235\_WINNIE-HOLDERHolderPCwhite

#### **ORDERING INFORMATION:**

#### Quantities for one set:

Single lens 1
Holder 1

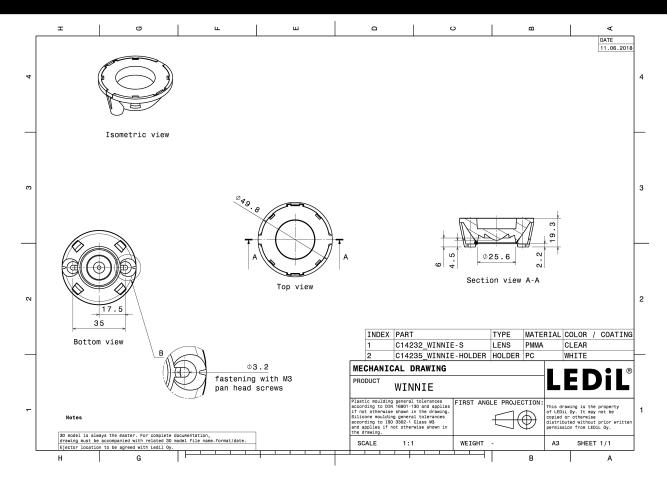




Component		Qty in box	MOQ	MPQ	Box weight (kg)
C14232_WINNIE-S » Box size: 480 x 280 x 300 mm	Single lens	364	84	28	7.0
C14235_WINNIE-HOLDER  » Box size: 480 x 280 x 300 mm	Holder	1820	84	28	7.2



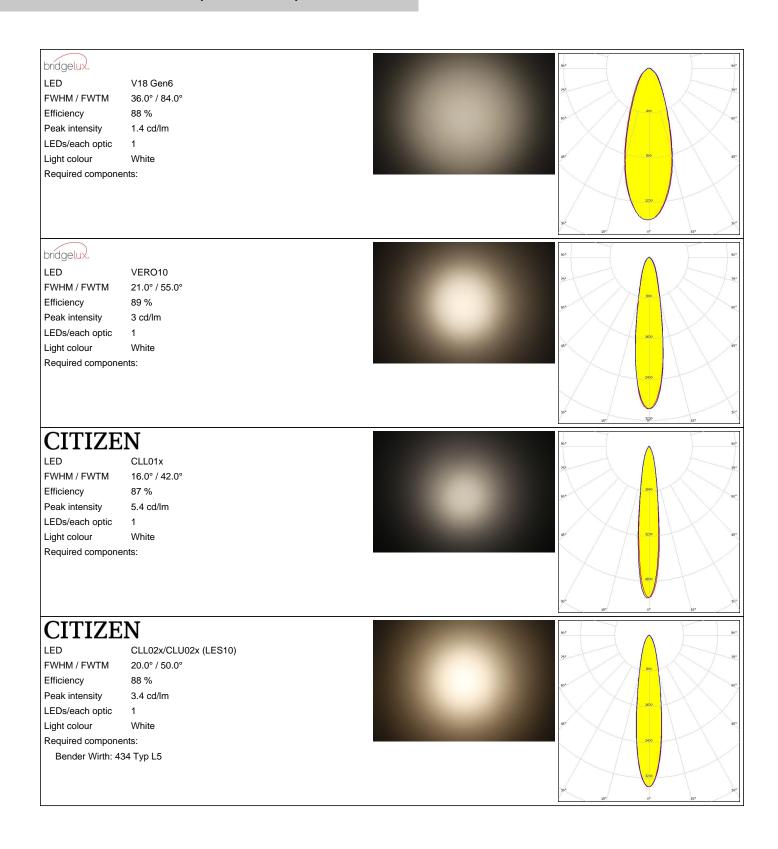
# PRODUCT DATASHEET WINNIE-S



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

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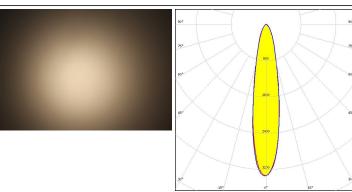




## CITIZEN

LED CLL02x/CLU02x (LES10)

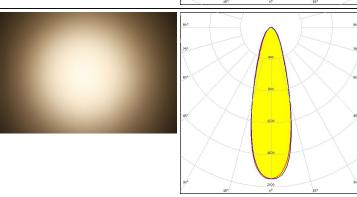
FWHM / FWTM 21.0° / 52.0°
Efficiency 87 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



## **CITIZEN**

LED CLL03x/CLU03x
FWHM / FWTM 30.0° / 68.0°
Efficiency 88 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1

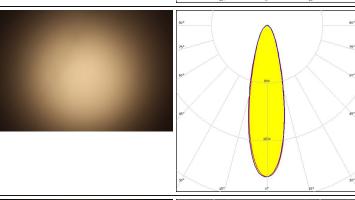
Light colour White
Required components:
Bender Wirth: 433 Typ L5



## **CITIZEN**

LED CLL03x/CLU03x
FWHM / FWTM 28.0° / 66.0°
Efficiency 87 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1

Light colour White Required components:

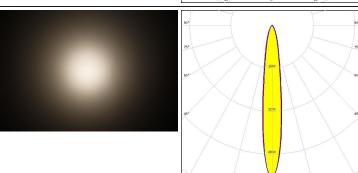


## **CITIZEN**

LED CLU700/701/702/703

FWHM / FWTM 15.0° / 39.0°
Efficiency 90 %
Peak intensity 5.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Bender Wirth: 434 Typ L5



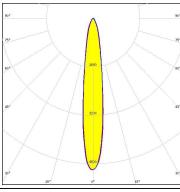


## **CITIZEN** $\mathsf{FWHM}\,/\,\mathsf{FWTM}$

CLU700/701/702/703

15.0° / 41.0° Efficiency 89 % Peak intensity 5 cd/lm LEDs/each optic Light colour White Required components:

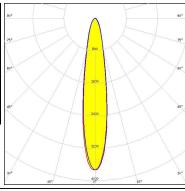




## **CITIZEN**

LED CLU710/711 FWHM / FWTM 18.0° / 47.0° Efficiency 90 % Peak intensity 3.7 cd/lm LEDs/each optic 1 White Light colour



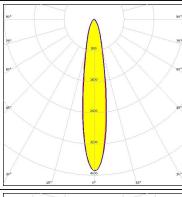


## **CITIZEN**

Required components:

LED CLU710/711  $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 18.0° / 47.0° Efficiency 88 % Peak intensity 3.9 cd/lm LEDs/each optic Light colour White Required components:

Bender Wirth: 470 Typ L5

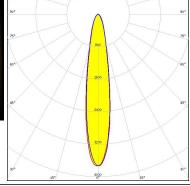


## **CITIZEN**

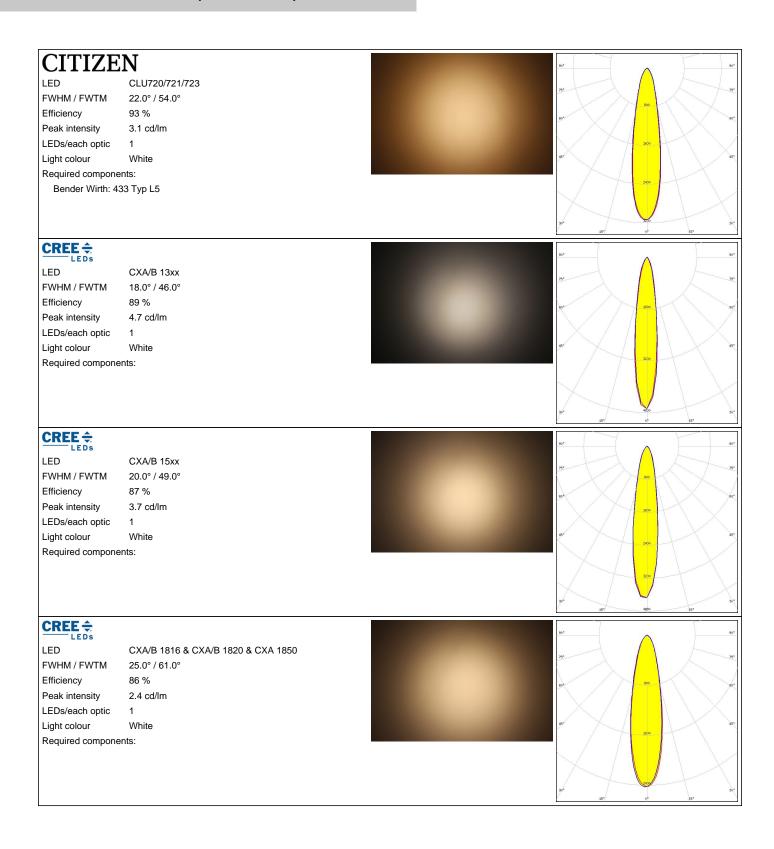
Required components:

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



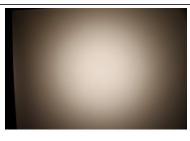


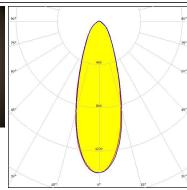




## CREE &

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





## **MUMILEDS**

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 White
Required components:



## **MATERIAL PROPERTY OF THE PROP**

LED LUXEON CoB 1202s

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

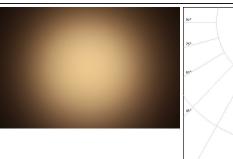
Required components:

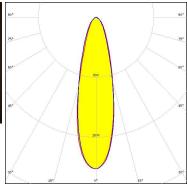


#### **ELUMINUS**

LED CxM-14 (19x19) FWHM / FWTM 29.0° / 67.0°

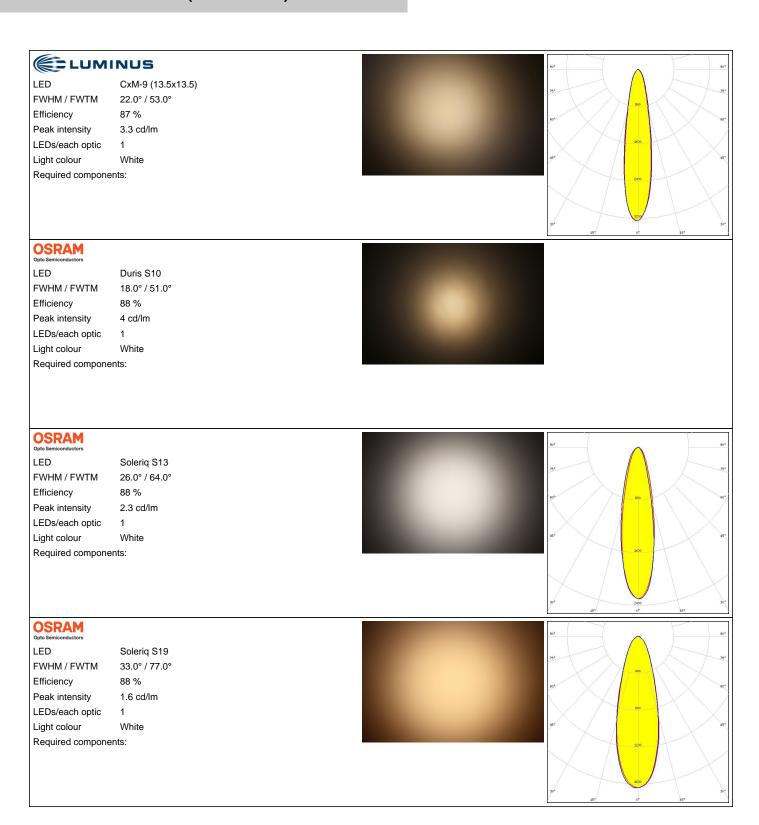
Efficiency 86 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:





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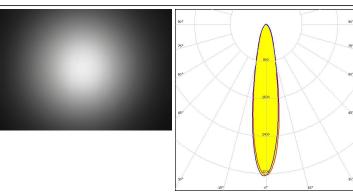




## **SAMSUNG**

LED LC003D / LC006D / LC009D / LC013D

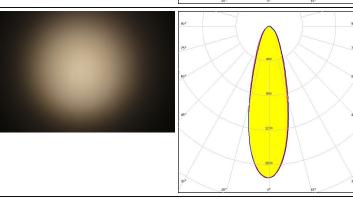
FWHM / FWTM 20.0° / 51.0°
Efficiency 87 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



## **SAMSUNG**

LED LC016D / LC019D / LC026D / LC033D

FWHM / FWTM 30.0° / 72.0°
Efficiency 86 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

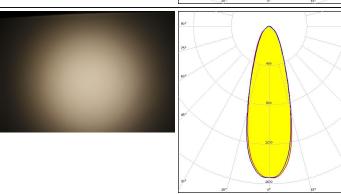


## SEOUL SEMICONDUCTOR

LED MJT COB LES 14.5

FWHM / FWTM 33.0° / 79.0°
Efficiency 86 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Bender Wirth: 433 Typ L5

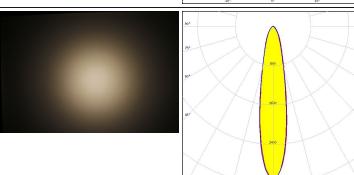


## SEOUL SEMICONDUCTOR

LED MJT COB LES 9.8

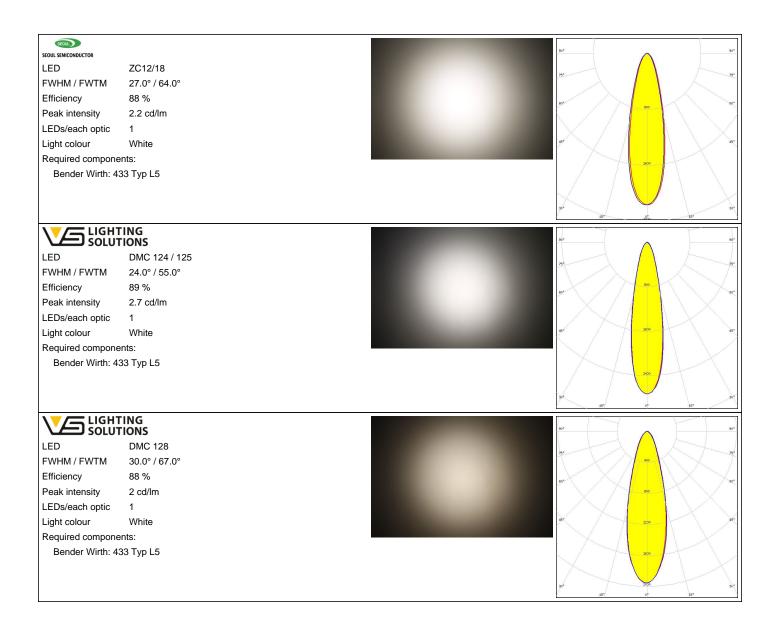
FWHM / FWTM 21.0° / 54.0°
Efficiency 89 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Bender Wirth: 434 Typ L5



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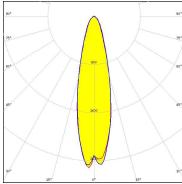


White

bridgelux

LED V13 Gen7
FWHM / FWTM 26.0° / 60.0°
Efficiency 91 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1

Required components:



CREE &

Light colour

 LED
 CXA/B 13xx

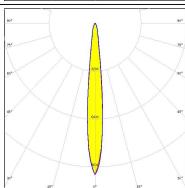
 FWHM / FWTM
 12.0° / 25.0°

 Efficiency
 88 %

 Peak intensity
 10.1 cd/lm

LEDs/each optic 1
Light colour White

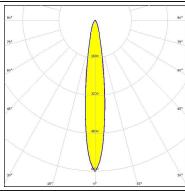
Required components: Bender Wirth: 448 Typ L5



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 White Required components:

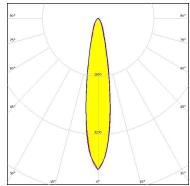


**DESCRIPTION** LUMILEDS

LED LUXEON CoB 1202/1203

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

Required components: Bender Wirth: 441 Typ L5





LED LUXEON CoB Compact

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

Required components:

#### **ELUMINUS**

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

Required components: Bender Wirth: 433 Typ L5

## LUMINUS

 LED
 CxM-9 (13.5x13.5)

 FWHM / FWTM
 20.0° / 50.0°

 Efficiency
 88 %

 Peak intensity
 3.4 cd/lm

 LEDs/each optic
 1

Light colour White Required components: Bender Wirth: 434 Typ L5

## **WNICHIA**

LED COB S-Type (LES 6)

FWHM / FWTM 12.0° / 28.0°

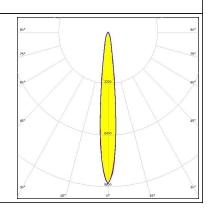
Efficiency 92 %

Peak intensity 9.4 cd/lm

LEDs/each optic 1

Light colour White

Required components:





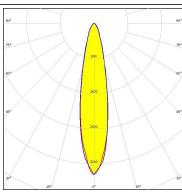
#### **OSRAM**

LED Soleriq S9 FWHM / FWTM 22.0° / 49.0°

Efficiency 89 % Peak intensity 3.5 cd/lm

LEDs/each optic Light colour White

Required components:



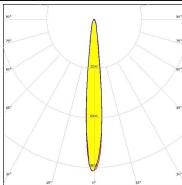
## **SAMSUNG**

LED LC010C FWHM / FWTM 12.0° / 25.0°

Efficiency 88 % Peak intensity 10.1 cd/lm

LEDs/each optic 1 White Light colour

Required components: Bender Wirth: 479 Typ L5

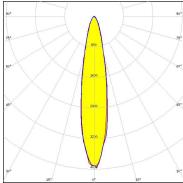


## **SAMSUNG**

LC020C FWHM / FWTM 20.0° / 46.0°

Efficiency 89 % Peak intensity 4 cd/lm LEDs/each optic Light colour White

Required components: Bender Wirth: 479 Typ L5



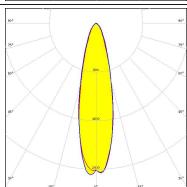
## **SAMSUNG**

LC040C FWHM / FWTM 26.0° / 59.0°

87 % Efficiency Peak intensity 2.5 cd/lm

LEDs/each optic White Light colour

Required components: Bender Wirth: 479 Typ L5







LED

ZC4/6

FWHM / FWTM

20.0° / 50.0°

Efficiency Peak intensity 88 %

LEDs/each optic

3.4 cd/lm

Light colour

White

Required components:

Bender Wirth: 434 Typ L5



# 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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# Local sales and technical support

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