

#### **WINNIE-S**

~20° spot 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 Colour white

Box size

Box weight 0 kg

Quantity in Box 364 pcs

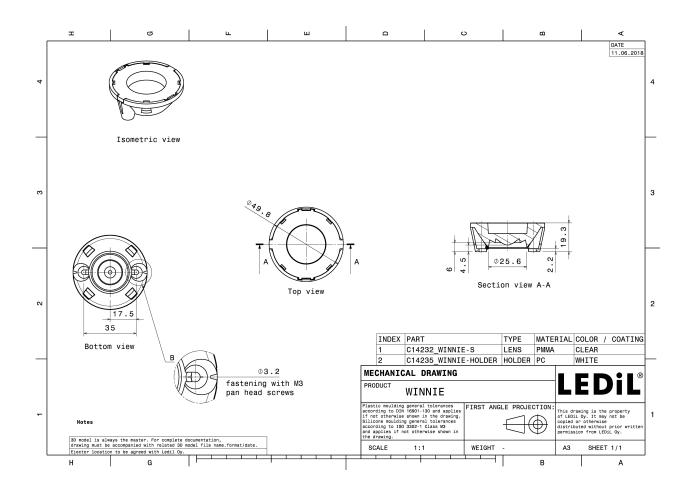
ROHS compliant yes 1



#### **MATERIAL SPECIFICATIONS:**

ComponentTypeMaterialColourWINNIE-SLensPMMAclearWINNIE-HOLDERHolderPCwhite





bridgelux.

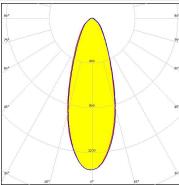
LED V18 Gen6

FWHM 36.0° Efficiency 88 %

Peak intensity 1.360 cd/lm

Required components:





bridgelux.

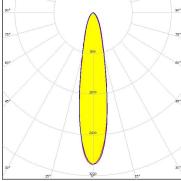
LED VERO10

FWHM 21.0°

Efficiency 89 %
Peak intensity 3.000 cd/lm

Required components:





## **CITIZEN**

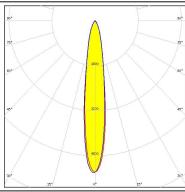
LED CLL01x

FWHM 16.0° Efficiency 87 %

Peak intensity 5.400 cd/lm

Required components:





## **CITIZEN**

LED CLL02x/CLU02x (LES10)

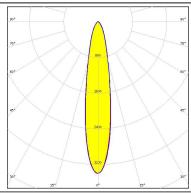
FWHM 20.0° Efficiency 88 %

Peak intensity 3.400 cd/lm

Required components:

Bender Wirth: 434 Typ L5



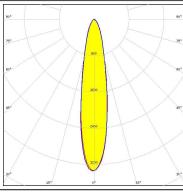


## **CITIZEN**

LED CLL02x/CLU02x (LES10)

FWHM 21.0°
Efficiency 87 %
Peak intensity 3.340 cd/lm
Required components:



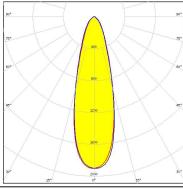


## **CITIZEN**

LED CLL03x/CLU03x

FWHM 30.0°
Efficiency 88 %
Peak intensity 1.900 cd/lm
Required components:
Bender Wirth: 433 Typ L5

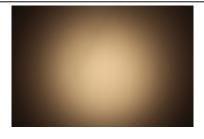


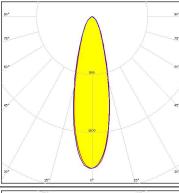


## **CITIZEN**

LED CLL03x/CLU03x

FWHM 28.0°
Efficiency 87 %
Peak intensity 2.100 cd/lm
Required components:



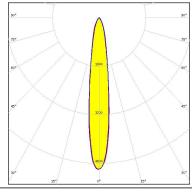


## **CITIZEN**

LED CLU700/701

FWHM 15.0°
Efficiency 89 %
Peak intensity 5.000 cd/lm
Required components:





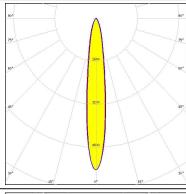
## **CITIZEN**

LED CLU700/701

FWHM 15.0°
Efficiency 90 %
Peak intensity 5.700 cd/lm
Required components:

Bender Wirth: 434 Typ L5



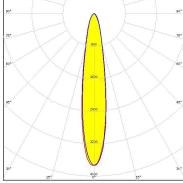


## **CITIZEN**

LED CLU710/711

FWHM 18.0°
Efficiency 90 %
Peak intensity 3.700 cd/lm
Required components:





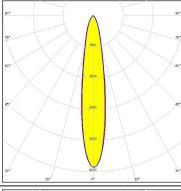
## **CITIZEN**

LED CLU710/711

FWHM 18.0°
Efficiency 88 %
Peak intensity 3.900 cd/lm
Required components:

Bender Wirth: 470 Typ L5



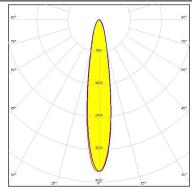


## **CITIZEN**

LED CLU710/711

FWHM 18.0°
Efficiency 90 %
Peak intensity 3.700 cd/lm
Required components:





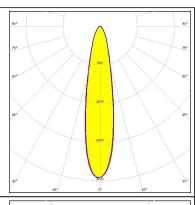
## PHOTOMETRIC DATA (MEASURED):

## **CITIZEN**

LED CLU720/721

**FWHM** 22.0° Efficiency 93 % Peak intensity 3.100 cd/lm Required components:

Bender Wirth: 433 Typ L5



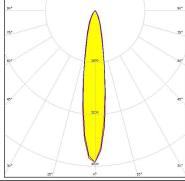
## CREE ÷

LED CXA/B 13xx

**FWHM** 18.0° Efficiency 89 % Peak intensity 4.690 cd/lm

Required components:



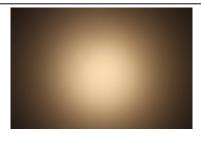


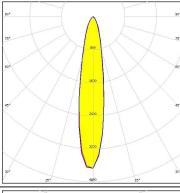
## CREE ÷

LED CXA/B 15xx

**FWHM** 20.0° 87 % Efficiency Peak intensity 3.680 cd/lm

Required components:



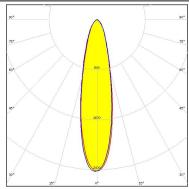


# CREE 💠

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

**FWHM** 25.0° Efficiency 86 % Peak intensity 2.420 cd/lm Required components:





## **MUMILEDS**

LED LUXEON CoB 1202/1203

FWHM 20.0°
Efficiency 87 %
Peak intensity 3.730 cd/lm
Required components:



#### **MUMILEDS**

LED LUXEON CoB 1202s

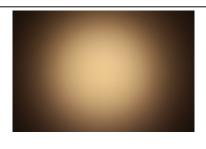
FWHM 15.0°
Efficiency 89 %
Peak intensity 5.760 cd/lm
Required components:

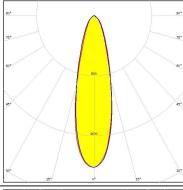


#### **ELUMINUS**

LED CXM-14
FWHM 29.0°
Efficiency 86 %
Peak intensity 2.000 cd/lm

Required components:

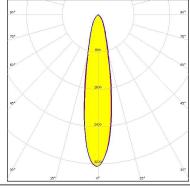




## LUMINUS

LED CXM-9
FWHM 22.0°
Efficiency 87 %
Peak intensity 3.300 cd/lm
Required components:





#### OSRAM Opto Semiconduct

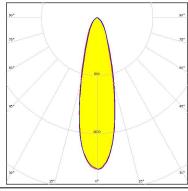
LED Duris \$10
FWHM 18.0°
Efficiency 88 %
Peak intensity 4.000 cd/lm
Required components:



#### OSRAM Opto Semiconductors

LED Soleriq P13
FWHM 27.0°
Efficiency 87 %
Peak intensity 2.090 cd/lm
Required components:

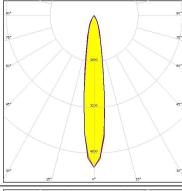




#### OSRAM Opto Semiconductors

LED Soleriq P6
FWHM 17.0°
Efficiency 88 %
Peak intensity 5.300 cd/lm
Required components:

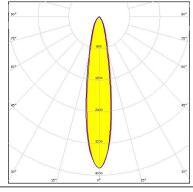




#### OSRAM Opto Semiconductors

LED Soleriq P9
FWHM 20.0°
Efficiency 89 %
Peak intensity 3.800 cd/lm
Required components:

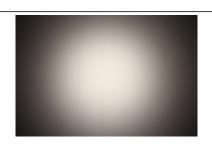


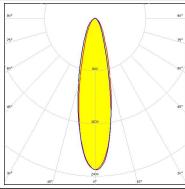


#### OSRAM Opto Semiconductors

LED Soleriq S13
FWHM 26.0°
Efficiency 88 %
Peak intensity 2.300 cd/lm

Required components:

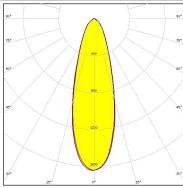




#### OSRAM Opto Semiconductors

LED Soleriq S19
FWHM 33.0°
Efficiency 88 %
Peak intensity 1.600 cd/lm
Required components:



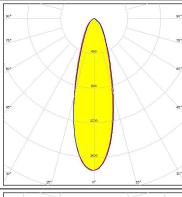


# SAMSUNG

LED COB D Series LES 14.5 mm

FWHM 30.0°
Efficiency 86 %
Peak intensity 1.750 cd/lm
Required components:



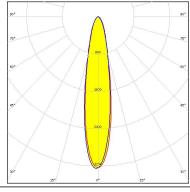


# **SAMSUNG**

LED COB D Series LES 9.8 mm

FWHM 20.0°
Efficiency 87 %
Peak intensity 3.300 cd/lm
Required components:





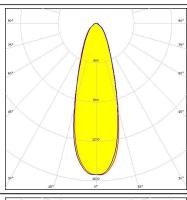
### PHOTOMETRIC DATA (MEASURED):



LED MJT COB LES 14.5

FWHM 33.0°
Efficiency 86 %
Peak intensity 1.500 cd/lm
Required components:
Bender Wirth: 433 Typ L5



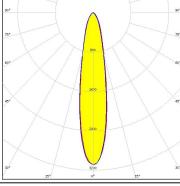




LED MJT COB LES 9.8

FWHM 21.0°
Efficiency 89 %
Peak intensity 3.100 cd/lm
Required components:
Bender Wirth: 434 Typ L5

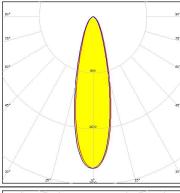






LED ZC12/18
FWHM 27.0°
Efficiency 88 %
Peak intensity 2.200 cd/lm

Required components: Bender Wirth: 433 Typ L5

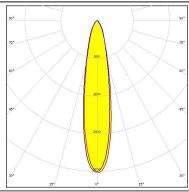


## **TRIDONIC**

LED SLE G5 LES11

FWHM 21.0°
Efficiency 87 %
Peak intensity 3.200 cd/lm
Required components:





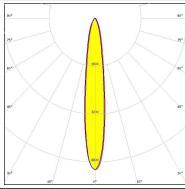
## PHOTOMETRIC DATA (MEASURED):

# **TRIDONIC**

LED SLE G5 LES6

FWHM 15.0°
Efficiency 87 %
Peak intensity 5.100 cd/lm
Required components:



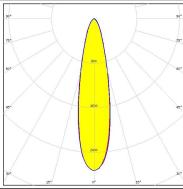


# LIGHTING

LED DMC 124 / 125

FWHM 24.0°
Efficiency 89 %
Peak intensity 2.700 cd/lm
Required components:
Bender Wirth: 433 Typ L5



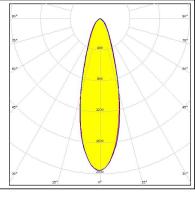


# LIGHTING SOLUTIONS

LED DMC 128
FWHM 30.0°
Efficiency 88 %
Peak intensity 2.000 cd/lm

Required components: Bender Wirth: 433 Typ L5





#### PHOTOMETRIC DATA (SIMULATED):

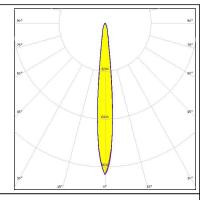
# CREE \$

LED CXA/B 13xx

FWHM 12.0° Efficiency 88 %

Peak intensity 10.100 cd/lm

Required components: Bender Wirth: 448 Typ L5



### **MUMILEDS**

LED LUXEON CoB Compact

FWHM 15.0° Efficiency 89 %

Peak intensity 5.760 cd/lm

Required components:

## ELUMINUS

LED CXM-14 FWHM 30.0°

Efficiency 88 %

Peak intensity 1.900 cd/lm

Required components:

Bender Wirth: 433 Typ L5

## ELUMINUS

LED CXM-9 FWHM 20.0° Efficiency 88 %

Peak intensity 3.400 cd/lm

Required components: Bender Wirth: 434 Typ L5

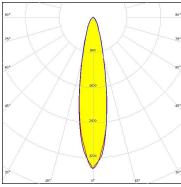
## PHOTOMETRIC DATA (SIMULATED):

#### OSRAM Opto Semiconductors

LED Soleriq S9 FWHM 22.0° Efficiency 89 %

Peak intensity 3.500 cd/lm

Required components:



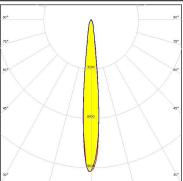
## **SAMSUNG**

LED LC010C

FWHM 12.0° Efficiency 88 %

Peak intensity 10.100 cd/lm

Required components: Bender Wirth: 479 Typ L5



# SAMSUNG

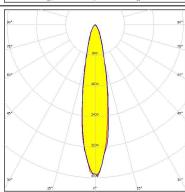
LED LC020C

FWHM 20.0° Efficiency 89 %

Peak intensity 4.000 cd/lm

Required components:

Bender Wirth: 479 Typ L5



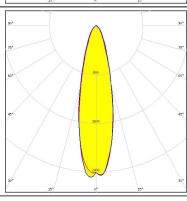
# **SAMSUNG**

LED LC040C

FWHM 26.0° Efficiency 87 %

Peak intensity 2.500 cd/lm

Required components: Bender Wirth: 479 Typ L5



## PHOTOMETRIC DATA (SIMULATED):



LED ZC4/6 FWHM 20.0° Efficiency 88 %

Peak intensity 3.400 cd/lm

Required components:

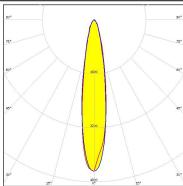
Bender Wirth: 434 Typ L5

## **TRIDONIC**

LED SLE G6 LES10

FWHM 19.0°
Efficiency 94 %
Peak intensity 4.610 cd/lm

Required components: Bender Wirth: 434 Typ L5

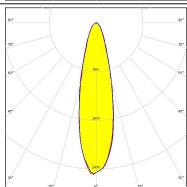


## **TRIDONIC**

LED SLE G6 LES15

FWHM 26.0°
Efficiency 91 %
Peak intensity 2.500 cd/lm

Required components: Bender Wirth: 433 Typ L5

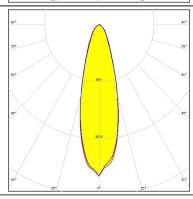


## **TRIDONIC**

LED SLE G6 LES17

FWHM 29.0°
Efficiency 92 %
Peak intensity 2.140 cd/lm

Required components: Bender Wirth: 433 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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# Local sales and technical support

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