

#### **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
ROHS compliant yes ①



#### **MATERIAL SPECIFICATIONS:**

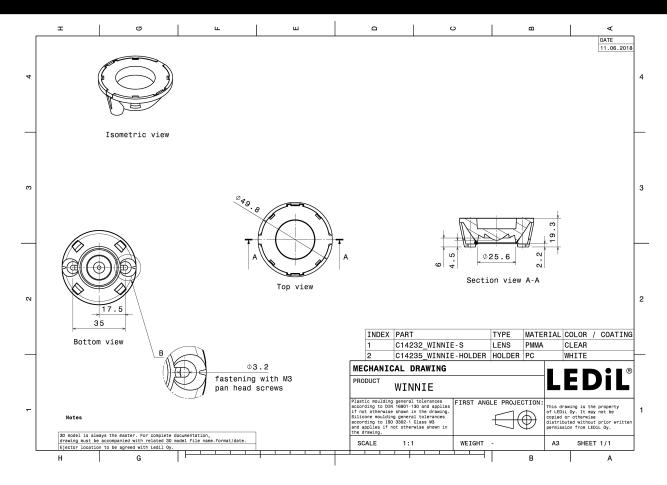
ComponentTypeMaterialColourFinishWINNIE-SSingle lensPMMAclearWINNIE-HOLDERHolderPCwhite

#### **ORDERING INFORMATION:**

ComponentQty in boxMOQMPQBox weight (kg)CN14236\_WINNIE-SSingle lens36484280.0» Box size:

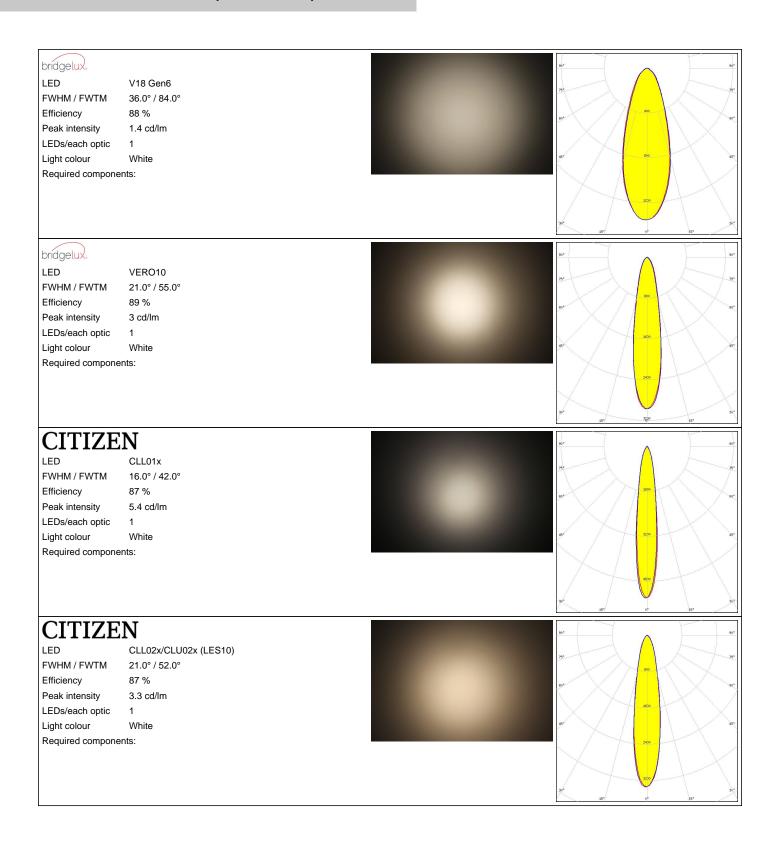


# PRODUCT DATASHEET CN14236\_WINNIE-S



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





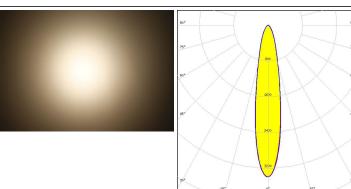


# **CITIZEN**

LED CLL02x/CLU02x (LES10)

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

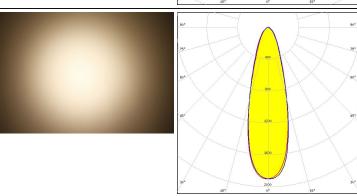
Bender Wirth: 434 Typ L5



# **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

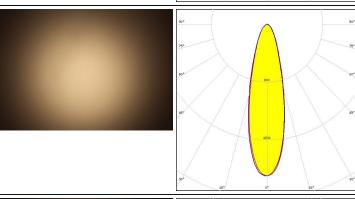
Required components:
Bender Wirth: 433 Typ L5



# **CITIZEN**

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

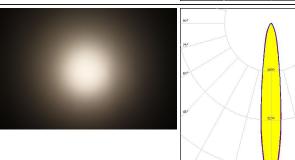
Light colour White Required components:



# **CITIZEN**

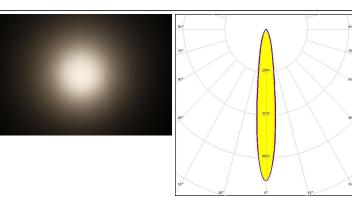
LED CLU700/701/702 FWHM / FWTM 15.0° / 41.0°

Efficiency 89 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



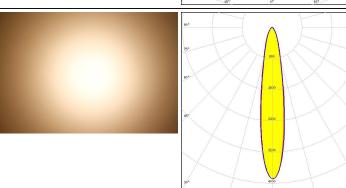


# CITIZEN LED CLU700/701/702 FWHM / FWTM 15.0° / 39.0° Efficiency 90 % Peak intensity 5.7 cd/lm LEDs/each optic 1 Light colour White Required components: Bender Wirth: 434 Typ L5



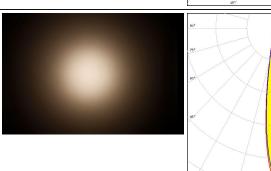
# CITIZEN

LED CLU710/711
FWHM / FWTM 18.0° / 47.0°
Efficiency 88 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 470 Typ L5



# **CITIZEN**

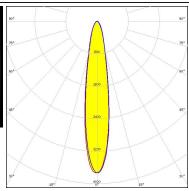
LED CLU710/711
FWHM / FWTM 18.0° / 47.0°
Efficiency 90 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



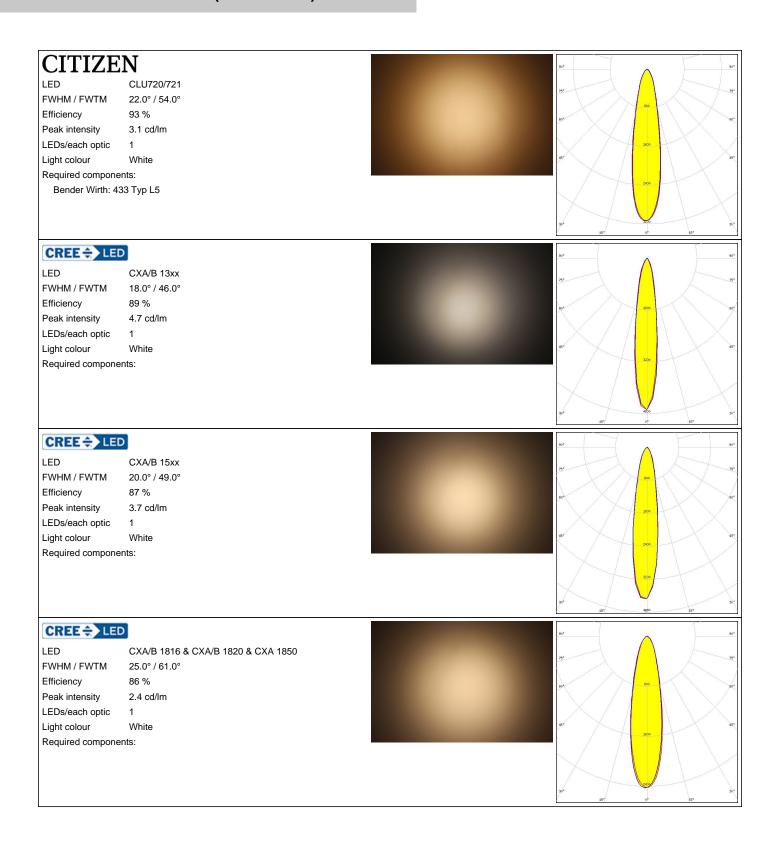
# **CITIZEN**

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





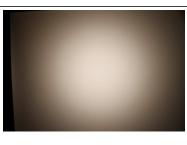


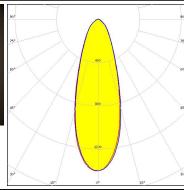




#### CREE . LED

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:





#### LUMILEDS

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:



#### **DESCRIPTION** LUMILEDS

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:

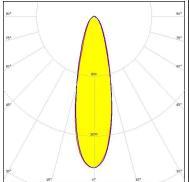


#### **ELUMINUS**

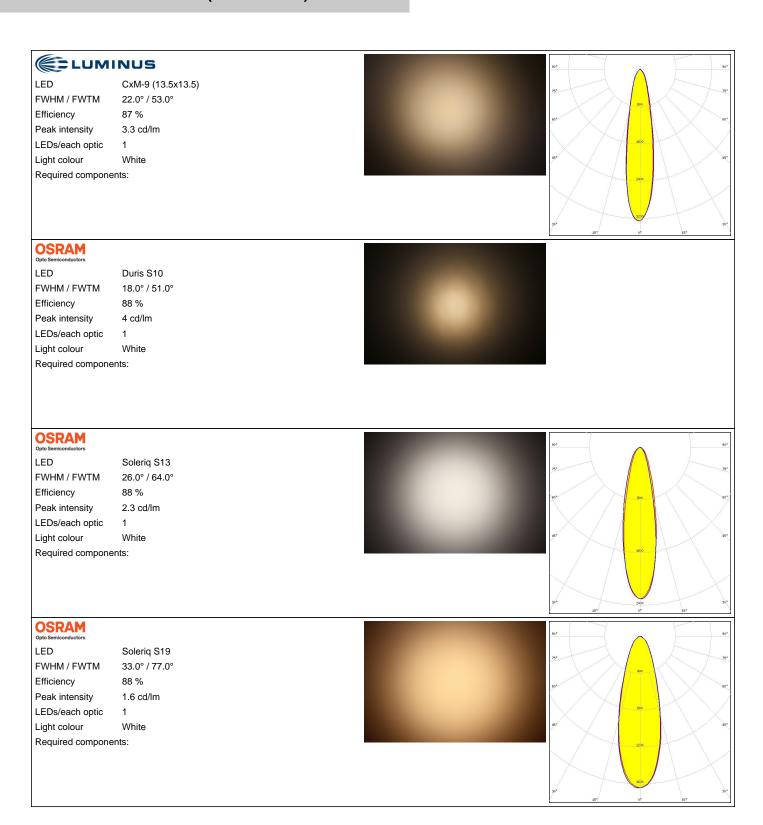
LED CxM-14 (19x19) FWHM / FWTM 29.0° / 67.0°

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







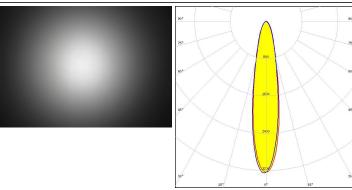




# **SAMSUNG**

LED LC003D / LC006D / LC009D / LC013D

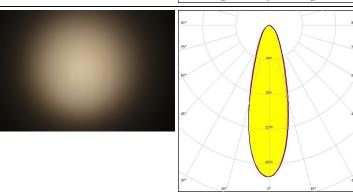
FWHM / FWTM 20.0° / 51.0°
Efficiency 87 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



# **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:

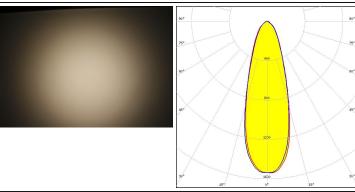




LED MJT COB LES 14.5

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



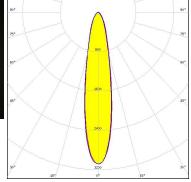
#### SEOUL SEMICONDUCTOR

LED MJT COB LES 9.8

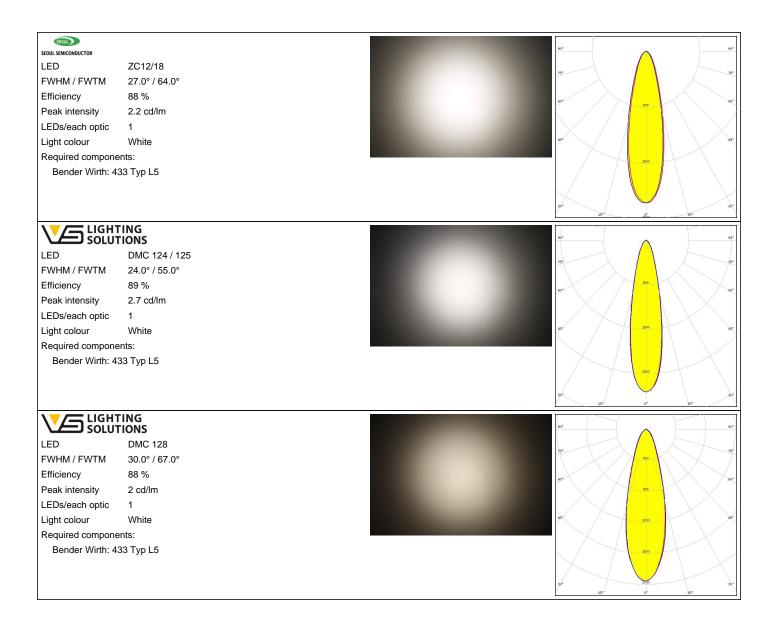
FWHM / FWTM 21.0° / 54.0°
Efficiency 89 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Bender Wirth: 434 Typ L5











#### bridgelux

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

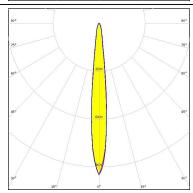
#### CREE & LED

Required components:

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

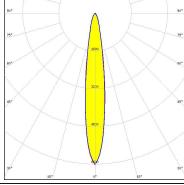
Required components:

Bender Wirth: 448 Typ L5



#### CREE + LED

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



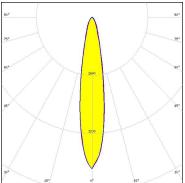
#### **MILEDS**

Required components:

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

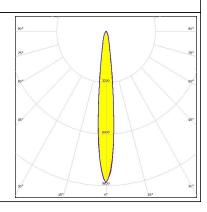
Light colour White
Required components:
Bender Wirth: 434 Typ L5

#### **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

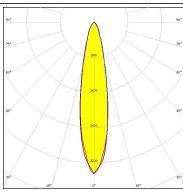
 FWHM / FWTM
 22.0° / 49.0°

 Efficiency
 89 %

 Peak intensity
 3.5 cd/lm

Peak intensity 3.5 cd/
LEDs/each optic 1
Light colour White

Required components:



# **SAMSUNG**

 LED
 LC010C

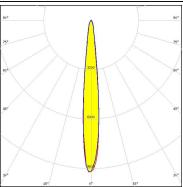
 FWHM / FWTM
 12.0° / 25.0°

 Efficiency
 88 %

 Peak intensity
 10.1 cd/lm

LEDs/each optic 1
Light colour White

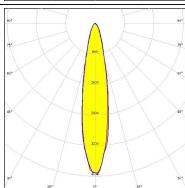
Required components: Bender Wirth: 479 Typ L5



# **SAMSUNG**

LED LC020C
FWHM / FWTM 20.0° / 46.0°
Efficiency 89 %
Peak intensity 4 cd/lm
LEDs/each optic 1
Light colour White

Required components: Bender Wirth: 479 Typ L5



# **SAMSUNG**

 LED
 LC040C

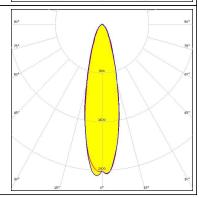
 FWHM / FWTM
 26.0° / 59.0°

 Efficiency
 87 %

 Peak intensity
 2.5 cd/lm

LEDs/each optic 1
Light colour White
Required components:

Bender Wirth: 479 Typ L5







LED ZC4/6 FWHM / FWTM 20.0° / 50.0° Efficiency 88 %

Peak intensity 3.4 cd/lm LEDs/each optic

Light colour White

Required components: Bender Wirth: 434 Typ L5



# PRODUCT DATASHEET CN14236\_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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