

#### **WINNIE-O**

~60° + 20° oval 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:**

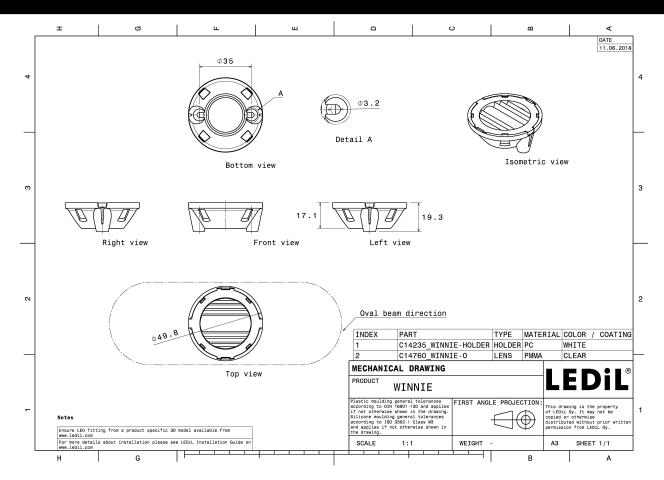
ComponentTypeMaterialColourFinishWINNIE-OSingle lensPMMAclearWINNIE-HOLDERHolderPCwhite

#### **ORDERING INFORMATION:**

ComponentQty in boxMOQMPQBox weight (kg)CN14811\_WINNIE-OSingle lens36484280.0» Box size:

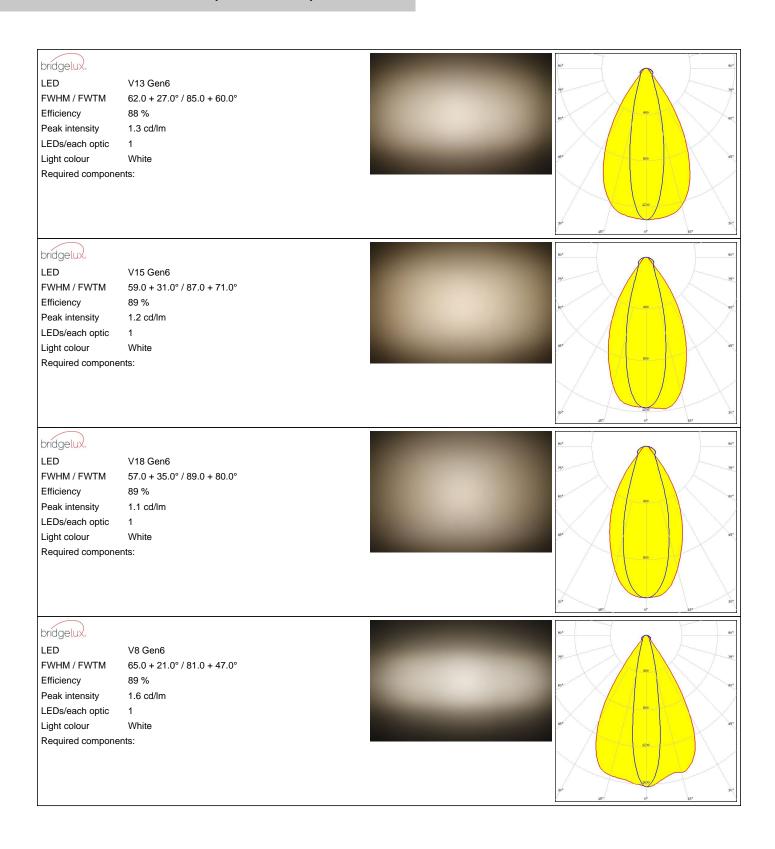


# PRODUCT DATASHEET CN14811\_WINNIE-O



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





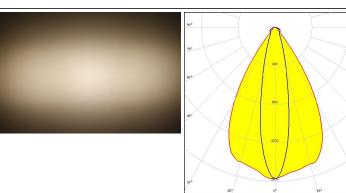


# **CITIZEN**

LED CLL02x/CLU02x (LES10) FWHM / FWTM 63.0 + 22.0° / 82.0 + 52.0°

Efficiency 90 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White

Required components: Bender Wirth: 434 Typ L5

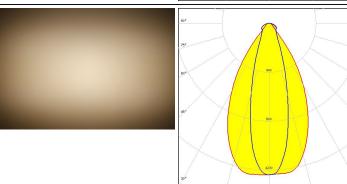


# **CITIZEN**

LED CLL03x/CLU03x

FWHM / FWTM 59.0 + 29.0° / 85.0 + 66.0°

Efficiency 90 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 433 Typ L5

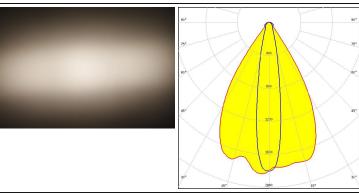


# **CITIZEN**

LED CLU700/701/702

FWHM / FWTM 64.0 + 18.0° / 79.0 + 43.0°

Efficiency 91 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

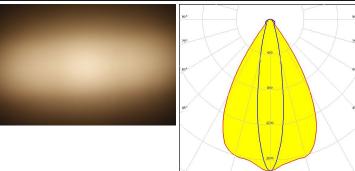


# **CITIZEN**

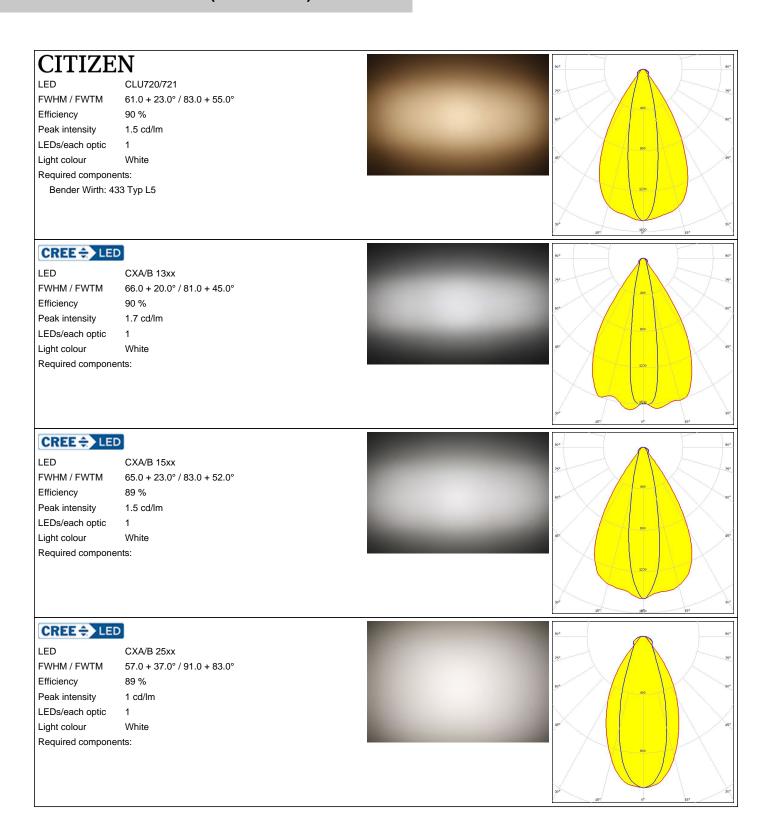
LED CLU710/711

FWHM / FWTM 63.0 + 20.0° / 81.0 + 48.0°

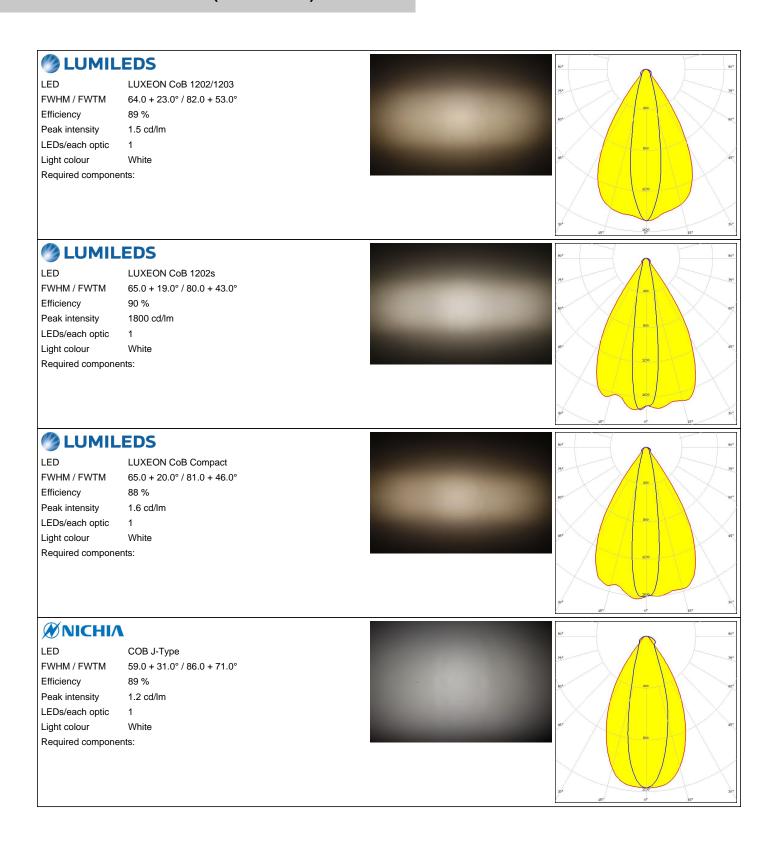
Efficiency 91 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 470 Typ L5



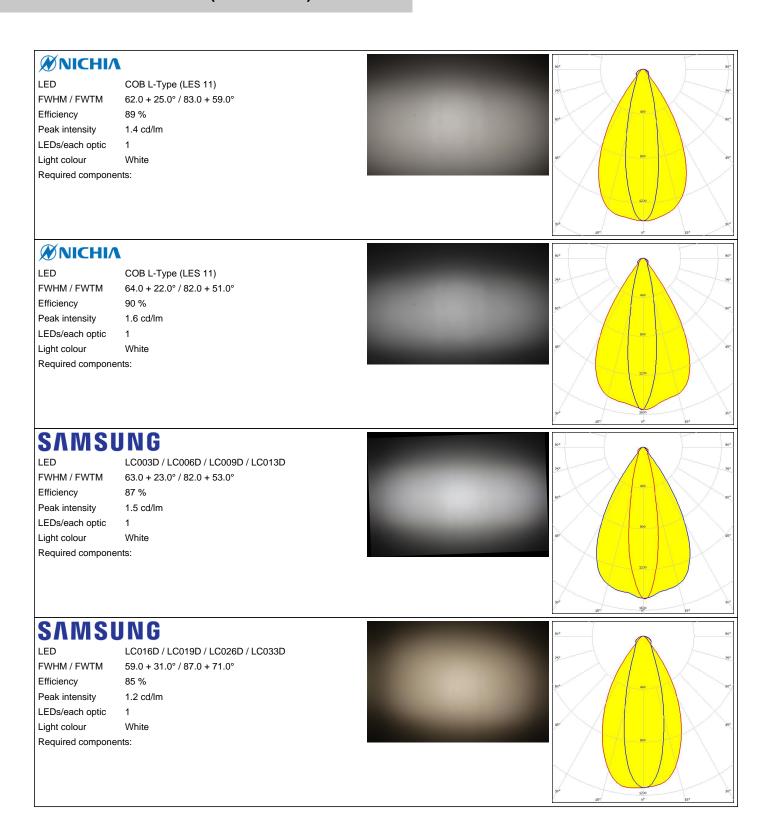


















## PHOTOMETRIC DATA (SIMULATED):

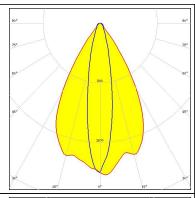
bridgelux

LED VERO10

FWHM / FWTM 60.0 + 20.0° / 80.0 + 48.0°

Efficiency 100 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour White

Required components:



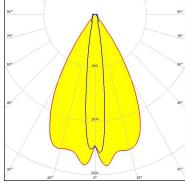
CREE \$\(\phi\) LED

LED XP-G3

FWHM / FWTM 60.0 + 15.0° / 76.0 + 32.0°

Efficiency 91 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White

Required components:



## **DESCRIPTION** LUMILEDS

LED LUXEON M/MX

FWHM / FWTM 20.0 + 64.0° / 41.0 + 81.0°

Efficiency 92 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White

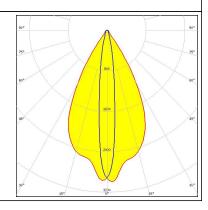
Required components:



LED SBT-90

FWHM / FWTM  $56.0 + 12.0^{\circ}$  /  $74.0 + 32.0^{\circ}$ 

Efficiency 93 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour Red
Required components:





## PHOTOMETRIC DATA (SIMULATED):

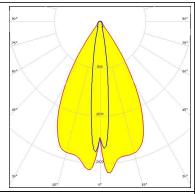
#### **OSRAM**

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM 58.0 + 14.0° / 76.0 + 30.0°

Efficiency 91 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:



#### **OSRAM**

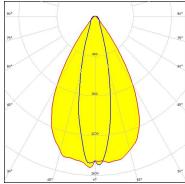
Opto Semiconducto

LED Soleriq S9

FWHM / FWTM 61.0 + 24.0° / 83.0 + 51.0°

Efficiency 88 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:



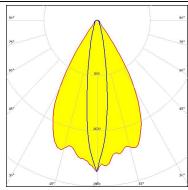
# **SAMSUNG**

LED LC010C

FWHM / FWTM 56.0 + 16.0° / 78.0 + 40.0°

Efficiency 92 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White

Required components: Bender Wirth: 479 Typ L5



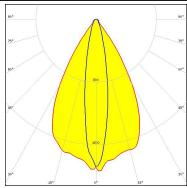
# **SAMSUNG**

LED LC0200

FWHM / FWTM 60.0 + 18.0° / 79.0 + 44.0°

Efficiency 89 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White

Required components: Bender Wirth: 479 Typ L5





## PHOTOMETRIC DATA (SIMULATED):

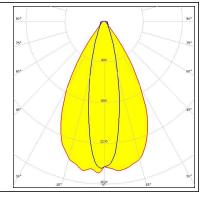
# **SAMSUNG**

LED LC040C

FWHM / FWTM  $60.0 + 24.0^{\circ}$  /  $82.0 + 55.0^{\circ}$ 

Efficiency 87 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White

Required components: Bender Wirth: 479 Typ L5





# PRODUCT DATASHEET CN14811\_WINNIE-O

#### **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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

#### **LEDIL Oy**

Joensuunkatu 13 FI-24240 SALO Finland

#### LEDiL Inc.

228 West Page Street Suite D Sycamore IL 60178 USA

# Ledil Optics Technology (Shenzhen) Co., Ltd.

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

# Local sales and technical support

www.ledil.com/ where\_to\_buy

#### **Shipping locations**

Salo, Finland Hong Kong, China

#### **Distribution Partners**

www.ledil.com/ where\_to\_buy