

WINNIE-M

~35° medium 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:

ComponentTypeMaterialColourFinishC14233_WINNIE-MSingle lensPMMAclearC14235_WINNIE-HOLDERHolderPCwhite

ORDERING INFORMATION:

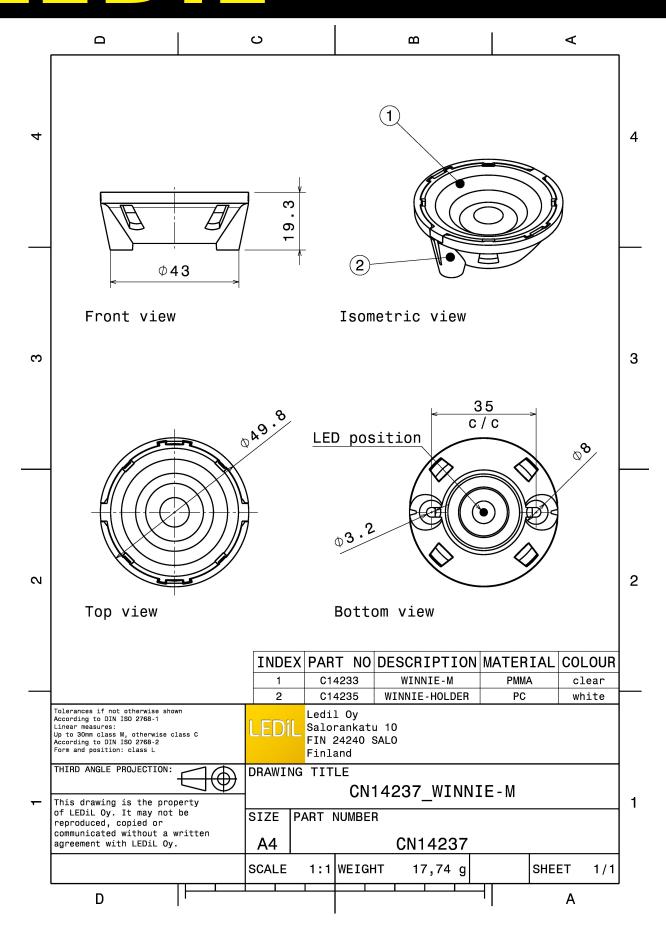
Quantities for one set:

Single lens 1
Holder 1

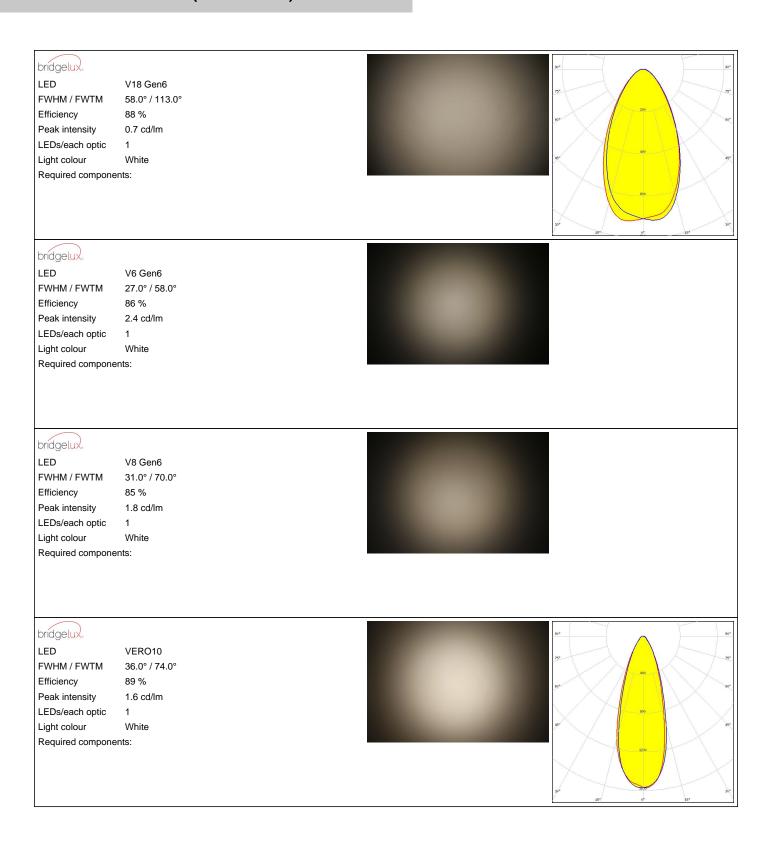




Component		Qty in box	MOQ	MPQ	Box weight (kg)
C14233_WINNIE-M » Box size: 480 x 280 x 300 mm	Single lens	364	84	28	6.5
C14235_WINNIE-HOLDER » Box size: 480 x 280 x 300 mm	Holder	1820	84	28	7.2



See also our general installation guide: www.ledil.com/installation_guide



CITIZEN

LED CLL01x
FWHM / FWTM 27.0° / 60.0°
Efficiency 85 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White

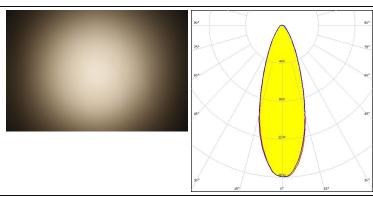


CITIZEN

Required components:

LED CLL02x/CLU02x (LES10)

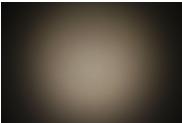
FWHM / FWTM 35.0° / 72.0°
Efficiency 86 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 434 Typ L5



CITIZEN

LED CLL02x/CLU02x (LES10)

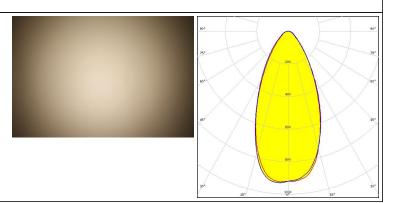
FWHM / FWTM 35.0° / 72.0°
Efficiency 87 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CITIZEN

LED CLL03x/CLU03x FWHM / FWTM 49.0° / 95.0° Efficiency 86 %

Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 433 Typ L5





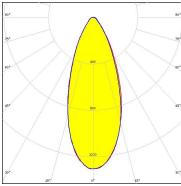
CITIZEN CLU700/701/702/703 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 28.0° / 58.0° Efficiency 87 % Peak intensity 2.4 cd/lm LEDs/each optic Light colour White Required components: Bender Wirth: 434 Typ L5 **CITIZEN** LED CLU700/701/702/703 FWHM / FWTM 27.0° / 56.0° Efficiency 89 % Peak intensity 2.6 cd/lm LEDs/each optic 1 White Light colour Required components: **CITIZEN** LED CLU710/711 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 33.0° / 67.0° Efficiency 87 % Peak intensity 1.8 cd/lm LEDs/each optic Light colour White Required components: Bender Wirth: 470 Typ L5 **CITIZEN** CLU710/711 FWHM / FWTM 32.0° / 70.0° Efficiency 86 % Peak intensity 1.7 cd/lm LEDs/each optic White Light colour Required components:

CITIZEN

LED CLU720/721/723
FWHM / FWTM 41.0° / 80.0°
Efficiency 90 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1

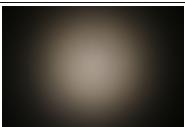
Light colour White
Required components:
Bender Wirth: 433 Typ L5





CREE \$\(\phi\) LED

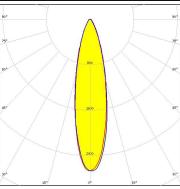
LED CXA/B 13xx
FWHM / FWTM 26.0° / 58.0°
Efficiency 87 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE - LED

LED CXA/B 13xx
FWHM / FWTM 25.0° / 55.0°
Efficiency 88 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White





CREE - LED

Required components:

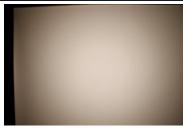
 LED
 CXA/B 25xx

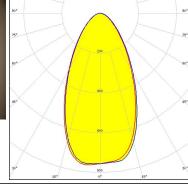
 FWHM / FWTM
 55.0° / 109.0°

 Efficiency
 85 %

 Peak intensity
 0.8 cd/lm

LEDs/each optic 1
Light colour White
Required components:

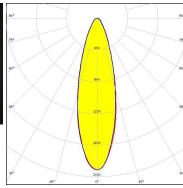




CREE \$\text{LED}

LED MHD-E/G
FWHM / FWTM 30.0° / 67.0°
Efficiency 87 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:





LUMILEDS

LED LUXEON CoB 1202/1203

FWHM / FWTM 34.0° / 74.0°
Efficiency 86 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

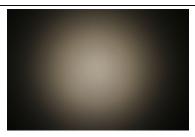


DESCRIPTION LUMILEDS

LED LUXEON CoB 1202s

FWHM / FWTM 27.0° / 60.0°
Efficiency 86 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White

Required components:



ELUMINUS

LED CxM-14 (19x19) FWHM / FWTM 45.0° / 94.0°

Efficiency 85 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:





LED CxM-9 (13.5x13.5) $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 36.0° / 76.0°

Efficiency 87 % Peak intensity 1.7 cd/lm LEDs/each optic

Light colour White Required components:



OSRAM

LED Duris S10 FWHM / FWTM 24.0° / 58.0° Efficiency 88 % Peak intensity 3.1 cd/lm LEDs/each optic 1

White Light colour Required components:



OSRAM Opto Semiconductors

LED Soleriq S13 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 41.0° / 88.0° Efficiency 85 % Peak intensity 1.2 cd/lm LEDs/each optic

Light colour White Required components:



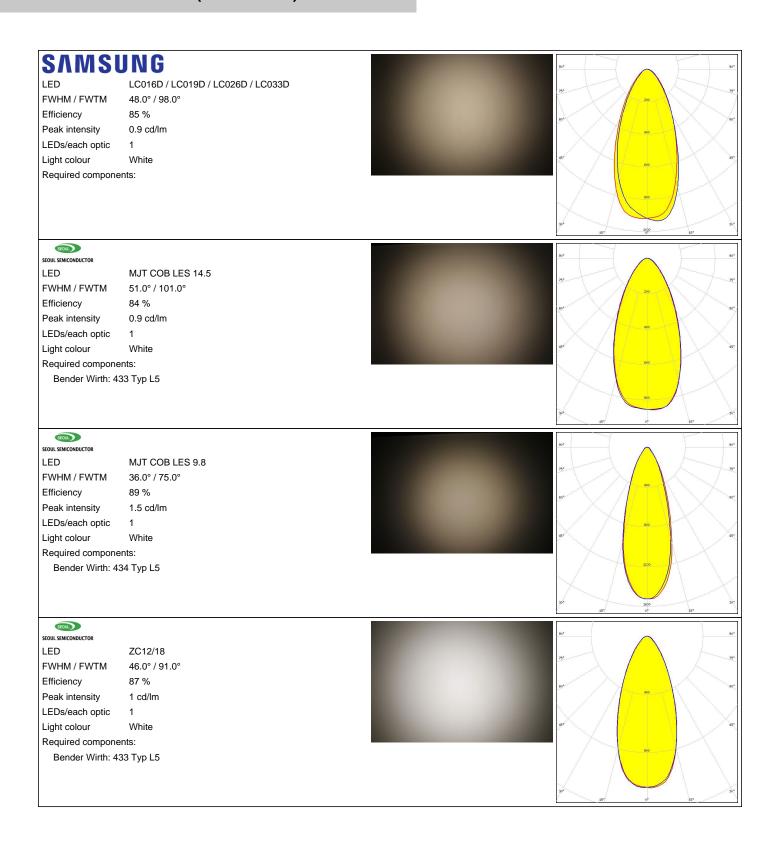
OSRAM

LED Soleriq S19 FWHM / FWTM 55.0° / 104.0° Efficiency 83 %

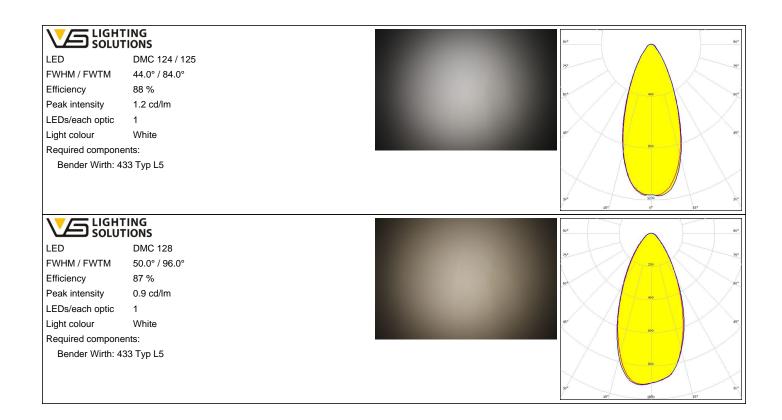
Peak intensity 0.8 cd/lm LEDs/each optic White Light colour Required components:



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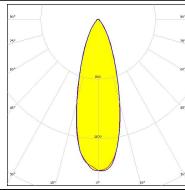




OPTICAL RESULTS (SIMULATED):

CREE - LED

LED CXA/B 15xx
FWHM / FWTM 33.0° / 68.0°
Efficiency 93 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



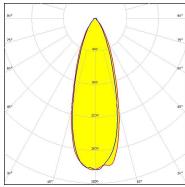
MUMILEDS

LED LUXEON CoB 1202/1203

FWHM / FWTM 34.0° / 69.0°
Efficiency 89 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

equired components:

Bender Wirth: 441 Typ L5



MUMILEDS

LED LUXEON CoB Compact

FWHM / FWTM 27.0° / 60.0°
Efficiency 86 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



 LED
 CxM-14 (19x19)

 FWHM / FWTM
 49.0° / 95.0°

 Efficiency
 86 %

Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White

Required components: Bender Wirth: 433 Typ L5

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OPTICAL RESULTS (SIMULATED):



LED CxM-9 (13.5x13.5)

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 35.0° / 72.0° Efficiency 86 % Peak intensity 1.6 cd/lm LEDs/each optic

Light colour White

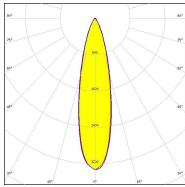
Required components: Bender Wirth: 434 Typ L5

WNICHIA

LED COB S-Type (LES 6)

FWHM / FWTM 25.0° / 53.0° Efficiency 92 % Peak intensity 3.3 cd/lm LEDs/each optic 1 White Light colour

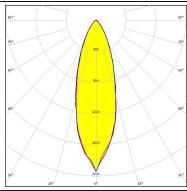
Required components:



OSRAM Opto Semiconductor

LED Soleriq S9 FWHM / FWTM 32.0° / 71.0° Efficiency 90 % Peak intensity 1.9 cd/lm LEDs/each optic 1

Light colour Required components:



SAMSUNG

LC003D / LC006D / LC009D / LC013D

White

FWHM / FWTM 36.0° / 74.0° Efficiency 92 % Peak intensity 1.7 cd/lm LEDs/each optic White Light colour Required components:

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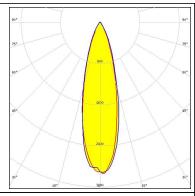
OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED LC010C FWHM / FWTM 27.0° / 56.0° Efficiency 92 %

Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White

Required components: Bender Wirth: 479 Typ L5



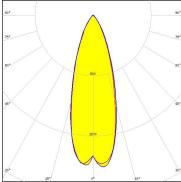
SAMSUNG

LED LC020C
FWHM / FWTM 32.0° / 66.0°
Efficiency 90 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1

Light colour White Required components:

Required components:

Bender Wirth: 479 Typ L5

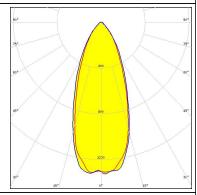


SAMSUNG

LED LC040C
FWHM / FWTM 40.0° / 82.0°
Efficiency 89 %
Peak intensity 1.4 cd/lm

LEDs/each optic 1
Light colour White
Required components:

Bender Wirth: 479 Typ L5



SEOUL SEMICONDUCTOR

LED ZC4/6 FWHM / FWTM 35.0° / 72.0°

Efficiency 86 %
Peak intensity 1.6 cd/lm

LEDs/each optic 1
Light colour White
Required components:

Bender Wirth: 434 Typ L5



PRODUCT DATASHEET WINNIE-M

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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