

PRODUCT DATASHEET CN14236_WINNIE-S

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 🛈



MATERIAL SPECIFICATIONS:

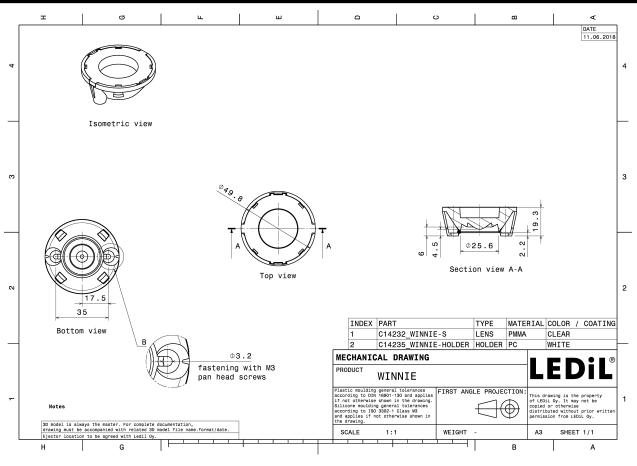
Component	Туре	Material	Colour	Finish
WINNIE-S	Single lens	PMMA	clear	
WINNIE-HOLDER	Holder	PC	white	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CN14236_WINNIE-S	Single lens	364	84	28	0.0
» Box size:					



PRODUCT DATASHEET CN14236_WINNIE-S



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



bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	V18 Gen6 36.0° / 84.0° 88 % 1.4 cd/lm 1 White nts:	
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	VERO10 21.0° / 55.0° 89 % 3 cd/lm 1 White nts:	
CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLL01x 16.0° / 42.0° 87 % 5.4 cd/lm 1 White	
CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLL02x/CLU02x (LES10) 21.0° / 52.0° 87 % 3.3 cd/lm 1 White	



CITIZE	Ν	91 ⁴ 91 ⁴
LED	CLL02x/CLU02x (LES10)	
FWHM / FWTM	20.0° / 50.0°	27 N
Efficiency	88 %	
Peak intensity	3.4 cd/lm	
LEDs/each optic	1	
Light colour	White	gr or
Required compone		200
Bender Wirth: 43		
		we we
	NT	135 ⁴ 0 ⁴ 15 ⁵
CITIZE		50°
LED	CLL03x/CLU03x	77
FWHM / FWTM	28.0° / 66.0°	
Efficiency	87 %	60× 10×
Peak intensity	2.1 cd/lm	
LEDs/each optic	1	
Light colour	White	St. St.
Required compone	nts:	160
		30"
		15° 0° 15°
CITIZE	N	28 ⁴ 4 ⁴ 35 ⁴
CITIZE		20 ³ 0 ⁴ 20 ³
LED	CLL03x/CLU03x	90 ⁺
LED FWHM / FWTM	CLL03x/CLU03x 30.0° / 68.0°	
LED FWHM / FWTM Efficiency	CLL03x/CLU03x 30.0° / 68.0° 88 %	
LED FWHM / FWTM Efficiency Peak intensity	CLL03x/CLU03x 30.0° / 68.0° 88 % 1.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CLL03x/CLU03x 30.0° / 68.0° 88 % 1.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CLL03x/CLU03x 30.0° / 68.0° 88 % 1.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLL03x/CLU03x 30.0° / 68.0° 88 % 1.9 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CLL03x/CLU03x 30.0° / 68.0° 88 % 1.9 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLL03x/CLU03x 30.0° / 68.0° 88 % 1.9 cd/lm 1 White nts:	102
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLL03x/CLU03x 30.0° / 68.0° 88 % 1.9 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 43	CLL03x/CLU03x 30.0° / 68.0° 88 % 1.9 cd/lm 1 White nts: 33 Typ L5	350
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLL03x/CLU03x 30.0° / 68.0° 88 % 1.9 cd/lm 1 White nts: 33 Typ L5	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 43	CLL03x/CLU03x 30.0° / 68.0° 88 % 1.9 cd/lm 1 White nts: 33 Typ L5	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 43	CLL03x/CLU03x 30.0° / 68.0° 88 % 1.9 cd/lm 1 White nts: 33 Typ L5 N CLU700/701/702	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 43 CITTIZE LED FWHM / FWTM	CLL03x/CLU03x 30.0° / 68.0° 88 % 1.9 cd/lm 1 White nts: 33 Typ L5 N CLU700/701/702 15.0° / 41.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 43 CITTIZE LED FWHM / FWTM Efficiency	CLL03x/CLU03x 30.0° / 68.0° 88 % 1.9 cd/lm 1 White nts: 33 Typ L5 N CLU700/701/702 15.0° / 41.0° 89 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 43 CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CLL03x/CLU03x 30.0° / 68.0° 88 % 1.9 cd/lm 1 White nts: 33 Typ L5 N CLU700/701/702 15.0° / 41.0° 89 % 5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 43 CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CLL03x/CLU03x 30.0° / 68.0° 88 % 1.9 cd/lm 1 White nts: 33 Typ L5	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 43 CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CLL03x/CLU03x 30.0° / 68.0° 88 % 1.9 cd/lm 1 White nts: 33 Typ L5	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 43 CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CLL03x/CLU03x 30.0° / 68.0° 88 % 1.9 cd/lm 1 White nts: 33 Typ L5	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 43 CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CLL03x/CLU03x 30.0° / 68.0° 88 % 1.9 cd/lm 1 White nts: 33 Typ L5	



CITIZE	NT	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 43	CLU700/701/702 15.0° / 39.0° 90 % 5.7 cd/lm 1 White nts:	30° 77° 77° 77° 78° 78° 78° 78° 78° 78° 78
CITIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLU710/711 18.0° / 47.0° 90 % 3.7 cd/lm 1 White	99 ⁴ 99 99 90 100 100 200 0 0 0 0 0 0 0 0 0 0 0 0 0
CITIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	N CLU710/711 18.0° / 47.0° 88 % 3.9 cd/lm 1 White	
Required compone Bender Wirth: 43	nts: '0 Typ L5	9° 9° 9° 9° 9° 9° 9° 9° 9° 9°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLU710/711 18.0° / 47.0° 90 % 3.7 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20



CITIZE	N	50*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 43	CLU720/721 22.0° / 54.0° 93 % 3.1 cd/lm 1 White nts:	
CREE 4 LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CXA/B 13xx 18.0° / 46.0° 89 % 4.7 cd/lm 1 White	
CREE C LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CXA/B 15xx 20.0° / 49.0° 87 % 3.7 cd/lm 1 White	
CREE C LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CXA/B 1816 & CXA/B 1820 & CXA 1850 25.0° / 61.0° 86 % 2.4 cd/lm 1 White	
	no.	200 J27 O2 J27 J



CREE (304
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CXA/B 25xx 35.0° / 83.0° 85 % 1.4 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON CoB 1202/1203 20.0° / 54.0° 87 % 3.7 cd/lm 1 White	
LUMIL LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON CoB 1202s 15.0° / 42.0° 89 % 5.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CxM-14 (19x19) 29.0° / 67.0° 86 % 2 cd/lm 1	



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ELUM		<u>90*</u> 90*
LED	CxM-9 (13.5x13.5)	75
FWHM / FWTM	22.0° / 53.0°	
Efficiency	87 %	61°
Peak intensity	3.3 cd/lm	
LEDs/each optic	1	
Light colour	White	5°*
Required compone	nts:	200
		34* 34* 34*
OSRAM Opto Semiconductors		
LED	Duris S10	
FWHM / FWTM	18.0° / 51.0°	
Efficiency	88 %	
Peak intensity	4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
OSRAM Opto Semiconductors		50°
OSRAM Opto Semiconductors LED	Soleriq S13	30 ⁴
Opto Semiconductors	26.0° / 64.0°	39'
opto Semiconductors LED FWHM / FWTM Efficiency	26.0° / 64.0° 88 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	26.0° / 64.0°	39
^{opto Semiconductors} LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	26.0° / 64.0° 88 % 2.3 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	26.0° / 64.0° 88 % 2.3 cd/lm 1 White	
^{opto Semiconductors} LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	26.0° / 64.0° 88 % 2.3 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	26.0° / 64.0° 88 % 2.3 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	26.0° / 64.0° 88 % 2.3 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	26.0° / 64.0° 88 % 2.3 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	26.0° / 64.0° 88 % 2.3 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	26.0° / 64.0° 88 % 2.3 cd/lm 1 White nts:	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	26.0° / 64.0° 88 % 2.3 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED	26.0° / 64.0° 88 % 2.3 cd/lm 1 White nts: Soleriq S19	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	26.0° / 64.0° 88 % 2.3 cd/lm 1 White nts: Soleriq S19 33.0° / 77.0°	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	26.0° / 64.0° 88 % 2.3 cd/lm 1 White nts: Soleriq S19 33.0° / 77.0° 88 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	26.0° / 64.0° 88 % 2.3 cd/lm 1 White nts: Soleriq S19 33.0° / 77.0° 88 % 1.6 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	26.0° / 64.0° 88 % 2.3 cd/lm 1 White nts: Soleriq S19 33.0° / 77.0° 88 % 1.6 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSCRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	26.0° / 64.0° 88 % 2.3 cd/lm 1 White nts: Soleriq S19 33.0° / 77.0° 88 % 1.6 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSCRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	26.0° / 64.0° 88 % 2.3 cd/lm 1 White nts: Soleriq S19 33.0° / 77.0° 88 % 1.6 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSCRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	26.0° / 64.0° 88 % 2.3 cd/lm 1 White nts: Soleriq S19 33.0° / 77.0° 88 % 1.6 cd/lm 1 White	



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		90* 90*
LED	ZC12/18	
FWHM / FWTM	27.0° / 64.0°	75'
Efficiency	88 %	
Peak intensity	2.2 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	93°
Required compone		
Bender Wirth: 43		- 1630
		30° 30° 30° 30° 30° 30° 30° 30° 30° 30°
	ING	90° 90°
	DMC 124 / 125	
LED FWHM / FWTM	24.0° / 55.0°	75
	89 %	
Efficiency	2.7 cd/lm	60* 60*
Peak intensity		
LEDs/each optic	1 White	47 ⁴ 1550 47 ⁴
Light colour Required compone		$K \neq A \mid A \mid X \neq A$
Bender Wirth: 43		
Dender Wirth. 40	5 Typ L5	2020
		36° 36° 36° 36°
	ING	
	DMC 128	
ED FWHM / FWTM	30.0° / 67.0°	25* 257
Efficiency	88 %	
Peak intensity	2 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	97 <u>1230</u> 95°
Required compone		
Bender Wirth: 43		1500
	- · / · - ·	
		30° 2000 30° 30°



PHOTOMETRIC DATA (SIMULATED):

CREE ≑		90* 90*
LED	CXA/B 13xx	25*
FWHM / FWTM	12.0° / 25.0°	
Efficiency	88 %	60*
Peak intensity	10.1 cd/lm	
LEDs/each optic	1	
Light colour	White	45° 6430
Required components:		
Bender Wirth: 448 Ty	p L5	
		300 300
		159 0° 15°
CREE ≑		90*
LED	MHD-E/G	
FWHM / FWTM	16.0° / 36.0°	25
Efficiency	93 %	
Peak intensity	6.4 cd/lm	
LEDs/each optic	1	
Light colour	White	gr* 67*
Required components:		
····		
		X X
		30° 30° 30° 30°
	05	50° 90°
LED	LUXEON CoB 1202/1203	
FWHM / FWTM	18.0° / 44.0°	23.
Efficiency	88 %	60* 60*
Peak intensity	4.2 cd/lm	1600
LEDs/each optic	1	
Light colour	White	97° (
Required components:		
Bender Wirth: 441 Ty	p L5	3200
		30°
		13° 0° 15°
	5	
LED	LUXEON CoB Compact	
	15.0° / 42.0°	
FWHM / FWTM		
Efficiency	89 %	
Efficiency Peak intensity		
Efficiency Peak intensity LEDs/each optic	89 %	
Efficiency Peak intensity LEDs/each optic Light colour	89 % 5.8 cd/lm	
Efficiency Peak intensity LEDs/each optic	89 % 5.8 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour	89 % 5.8 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour	89 % 5.8 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour	89 % 5.8 cd/lm 1	



PHOTOMETRIC DATA (SIMULATED):

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		

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		

MNICHIA		90*
LED	COB S-Type (LES 6)	
FWHM / FWTM	12.0° / 28.0°	28.
Efficiency	92 %	3200
Peak intensity	9.4 cd/lm	
LEDs/each optic	1	
Light colour	White	67* 67*
Required components:		6400
		30" 30" 3"
OSRAM		15% 0% 15%
Opto Semiconductors		90* 90*
LED	Soleriq S9	75"
FWHM / FWTM	22.0° / 49.0°	000
Efficiency	89 %	60.0
Peak intensity	3.5 cd/lm	1500
LEDs/each optic	1	
Light colour	White	er et
Required components:		2000
		30* 30*
		15° 0° 15°



PHOTOMETRIC DATA (SIMULATED):

SAMSU	NG	50*
LED	LC010C	
FWHM / FWTM	12.0° / 25.0°	79
Efficiency	88 %	
Peak intensity	10.1 cd/lm	
LEDs/each optic	1	
Light colour	White	ge e
Required component	S:	600
Bender Wirth: 479	Typ L5	
		300
SAMSU	NG	
LED	LC020C	
FWHM / FWTM	20.0° / 46.0°	
Efficiency	89 %	
Peak intensity	4 cd/lm	60 ⁴ 500
LEDs/each optic	1	
Light colour	White	97
Required component	S:	
Bender Wirth: 479		200
		30-
SAMSU	NG	99 ⁴
LED	LC040C	
FWHM / FWTM	26.0° / 59.0°	
Efficiency	87 %	800 S00
Peak intensity	2.5 cd/lm	
LEDs/each optic	1	
Light colour	White	gr - 350
Required component		
Bender Wirth: 479	Typ L5	
		340
		20 ⁶ 25 ⁷ 0 ⁴ 25 ⁹
SEOUL SEOUL SEMICONDUCTOR		
LED	ZC4/6	
FWHM / FWTM	20.0° / 50.0°	
Efficiency	88 %	
Peak intensity	3.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required component		
Bender Wirth: 434	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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LEDiL Oy

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