

WINNIE-S-C

~20° spot beam with holder C compatible with LEDiL HEKLA

TECHNICAL SPECIFICATIONS:

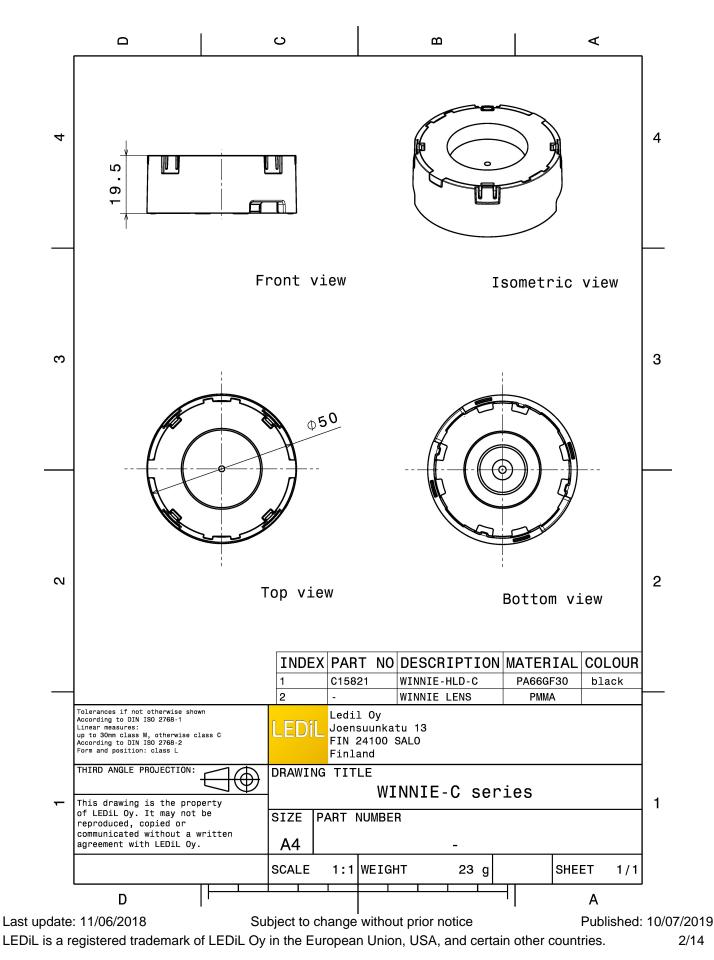
Dimensions	Ø 50.0 mm
Height	19.5 mm
Fastening	socket
Colour	black
Box size	
Box weight	0 kg
Quantity in Box	364 pcs
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

Component WINNIE-S WINNIE-HLD-C **Type** Single lens Holder Material PMMA PC **Colour** clear black







PHOTOMETRIC DATA (MEASURED):

bridgetux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15253_HEKL	White ents:	99* 97 75 000 07 00* 000 00* 000 00* 000 000 000 000 000
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15253_HEKL	White ents:	54 500 607 607 607 607 607 607 607 607 607 6
bridgetux, LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	White ents:	
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	White ents:	200 200 200 200 200 200 200 200

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bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	White ents:	20 21 21 22 23 24 25 26 26 26 26 26 26 26 26 26 26
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	White ents:	
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	White ents: A-SOCKET-K	20 20 20 20 20 20 20 20 20 20
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	White ents:	200 200 200 200 200 200 200 200



CITIZE	N	50°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	CLC020 Series (Dim-To-Warm) 22.0° 83 % 3.100 cd/lm 1 White tents:	30° 127 0° 125 91° 200 91° 82° 92° 82°
CITIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	CLC030 Series (Dim-To-Warm) 29.0° 80 % 2.000 cd/lm 1 White tents:	
CITIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	CLL02x/CLU02x (LES10) 20.0° 81 % 3.000 cd/lm 1 White tents:	
CITUZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	CLU7A2 (LES 4.2mm) 13.0° 85 % 6.800 cd/lm 1 White tents:	



CITIZE	N	50°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth:	LCN-C01B (Tunable White) 23.0° 83 % 3.100 cd/lm 1 White hents: A-SOCKET-K	
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	CMT14xx 20.0° 85 % 3.300 cd/lm 1 White hents:	200 200 200 200 200 200 200 200
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	CMT19xx 29.0° 83 % 2.018 cd/lm 1 White hents:	
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15956_HEKL	CXA/B 13xx 15.0° 85 % 4.900 cd/lm 1 White hents:	20- 21- 22- 22- 22- 22- 22- 22- 22



EUMILI LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon F15848_HEKL	LUXEON CoB 1202HD 15.0° 87 % 5.803 cd/lm 1 White ents:	200 200 200 200 200 200 200 200 200 200
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon F15848_HEKL	LUXEON CoB 1202s 15.0° 85 % 5.200 cd/lm 1 White ents:	201 201 201 201 201 201 201 201
EUMILI LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon F15858_HEKL	LUXEON CoB 1204HD 18.0° 87 % 4.200 cd/lm 1 White ents:	30 ¹ 50 ¹ 50 ¹ 50 ² 50
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon F15858_HEKL	LUXEON CoB 1205HD 22.0° 85 % 3.000 cd/lm 1 White ents:	200 200 200 200 200 200 200 200



LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon F15859_HEKL	CxM-14 (19x19) 29.0° 83 % 1.900 cd/lm 1 White ents:	20 20 20 20 20 20 20 20 20 20
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon F15255_HEKL	CxM-9 (13.5x13.5) 20.0° 83 % 3.100 cd/lm 1 White ents:	200 B2 200 B2
PHILIP LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon F15858_HEKL	Fortimo SLM L09 CoB 19.0° 87 % 4.000 cd/lm 1 White ents:	30° - 30° 5° - 200 6° - 200 200 200 200 200 200 200 200 200 200
PHILIP LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C16142_HEKL Bender Wirth: 4	White ents: A-SOCKET-K	T20, % T20, % 20, 900 60, 60, 20, 900 60, 60, 20, 900 60, 60, 20, 900 60, 60, 20, 900 60, 60, 20, 900 60, 90, 20, 90, 90, 90,



PHILIP LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	Fortimo SLM L15 CoB 32.0° 83 % 1.900 cd/lm 1 White hents: A-SOCKET-K	24° 25° 26° 25° 25° 25° 25° 25° 25° 25° 25° 25° 25
SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	COB D Series LES 14.5 mm 32.0° 81 % 1.800 cd/lm 1 White nents:	90 91 91 91 91 91 90 90 90 90 91 91 90 90 91 91 90 90 90 90 91 91 91 91 91 91 91 91 91 91 91 91 91
SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	COB D Series LES 9.8 mm 21.0° 83 % 3.100 cd/lm 1 White	200 200 200 200 200 200 200 200 200 200
SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15848_HEKL	LC010C 16.0° 84 % 4.600 cd/lm 1 White hents:	20, 0, 20, 20, 20, 20, 20, 20, 20, 20, 2



PHOTOMETRIC DATA (MEASURED):

SANS	NG	90° 90
LED FWHM Efficiency	LC010C G2 14.0° 84 %	
Peak intensity	5.400 cd/lm	60
LEDs/each optic Light colour	1 White	er ² 3000
Required compon F15255_HEKL/	ents:	36 - 157 - 2 (60)
SAMSU	NG	80° 80
LED	LC020C	75
FWHM	18.0°	
Efficiency	84 %	600 / / / / / 66
Peak intensity	3.700 cd/lm	
LEDs/each optic Light colour	White	
Required compon		
F15848_HEKL/		
		20
SAMSU	NG	150
LED	LC020C G2	90* 90
FWHM	19.0°	75* 73
	10:0	
Efficiency	84 %	
	84 % 3.700 cd/lm	500 6
Peak intensity	3.700 cd/lm	60 ⁴
Peak intensity LEDs/each optic Light colour	3.700 cd/lm 1 White	57 - 200 - C
Efficiency Peak intensity LEDs/each optic Light colour Required compon F15859_HEKL/	3.700 cd/lm 1 White ents:	g-
Peak intensity LEDs/each optic Light colour Required compon F15859_HEKL/	3.700 cd/lm 1 White ents: A-SOCKET-I	or 309 8
Peak intensity LEDs/each optic Light colour Required compon F15859_HEKL/	3.700 cd/lm 1 White ents: A-SOCKET-I	gr. 200
Peak intensity LEDs/each optic Light colour Required compon F15859_HEKL/	3.700 cd/lm 1 White ents: A-SOCKET-I SLE G7 LES09	500 200 200 200 200 200 200 200 200 200
Peak intensity LEDs/each optic Light colour Required compon F15859_HEKL/ TRIDON LED FWHM	3.700 cd/lm 1 White ents: A-SOCKET-I SLE G7 LES09 19.0°	200 200 200 200 200 200 200 200 200 200
Peak intensity LEDs/each optic Light colour Required compon F15859_HEKL/ TRIDON LED FWHM Efficiency	3.700 cd/lm 1 White ents: A-SOCKET-I SLE G7 LES09 19.0° 83 %	200 200 200 200 200 200 200 200 200 200
Peak intensity LEDs/each optic Light colour Required compon F15859_HEKL/ TRIDON LED FWHM Efficiency Peak intensity	3.700 cd/lm 1 White ents: A-SOCKET-I SLE G7 LES09 19.0° 83 % 3.400 cd/lm	200 200 200 200 200 200 200 200 200 200
Peak intensity LEDs/each optic Light colour Required compon F15859_HEKL/ TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic	3.700 cd/lm 1 White ents: A-SOCKET-I SLE G7 LES09 19.0° 83 % 3.400 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required compon F15859_HEKL/ TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	3.700 cd/lm 1 White ents: A-SOCKET-I SLE G7 LES09 19.0° 83 % 3.400 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required compon F15859_HEKL/ TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic	3.700 cd/lm 1 White ents: A-SOCKET-I SLE G7 LES09 19.0° 83 % 3.400 cd/lm 1 White ents:	500 500 500 500 500 500 500 500

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PHOTOMETRIC DATA (MEASURED):

LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	SLE G7 LES13 27.0° 81 % 2.100 cd/lm 1 White nents:	94 99 99 99 99 99 99 99 99 99 99 99 99 9
TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	SLE G7 LES15 30.0° 81 % 1.800 cd/lm 1 White nents:	50 ⁴
XICATC LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	XOB 14.5 mm 29.0° 80 % 1.849 cd/lm 1 White tents:	95° 99° 75° 00 60° 00° 1120 1120 1120 1120 1120 1120 1120 1
XICATC LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	XOB 9.8 mm 20.0° 83 % 3.255 cd/lm 1 White hents:	21, 22, 0, 12, 20, 20, 20, 20, 20, 20, 20, 20, 20, 2

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PHOTOMETRIC DATA (SIMULATED):

bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required components F15616_HEKLA-St	S:	30 ⁴ 30 ⁴ 30 ⁴ 30 ⁴ 30 ⁵ 30
CITTIZEN LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required components F15859_HEKLA-St	S:	90 ³ 90 ³ 90 ⁴ 90
CREE LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required components F15255_HEKLA-St	S:	5° 50 50 50 50 50 50 50 50 50 50 50 50 50
CREE LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required components F15256_HEKLA-St	5:	200 200 200 200 200 200 200 200 200 200

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PHOTOMETRIC DATA (SIMULATED):

SAMSUNG	90°
LED COB D Series LES 14.5 mm	73
FWHM 29.0°	
Efficiency 82 %	60* 60
Peak intensity 2.200 cd/lm	
LEDs/each optic 1	
Light colour White	
Required components:	- 1600
	30°
	99*
	90°
LED MJT COB LES 14.5	73
FWHM 30.0° Efficiency 81 %	
Efficiency 81 % Peak intensity 1.929 cd/lm	60.6
LEDs/each optic 1	
Light colour White	87 ⁴ 657
Required components:	
F15859_HEKLA-SOCKET-I	
1 13039_HEREA-SOCKET-H	1500
	30° 2000 30°
SEGUL SEMICONDUCTOR	50 ⁺
LED MJT COB LES 9.8	
FWHM 20.0°	75
	60 ⁴ 60 ⁴
Efficiency83 %Peak intensity3.725 cd/lm	6 ¹
Efficiency83 %Peak intensity3.725 cd/lmLEDs/each optic1	60 ¹ 607
Efficiency83 %Peak intensity3.725 cd/lmLEDs/each optic1Light colourWhite	er
Efficiency83 %Peak intensity3.725 cd/lmLEDs/each optic1Light colourWhiteRequired components:	
Efficiency83 %Peak intensity3.725 cd/lmLEDs/each optic1Light colourWhite	
Efficiency83 %Peak intensity3.725 cd/lmLEDs/each optic1Light colourWhiteRequired components:	er 200 er
Efficiency83 %Peak intensity3.725 cd/lmLEDs/each optic1Light colourWhiteRequired components:	er 200 er
Efficiency 83 % Peak intensity 3.725 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C	e ⁷
Efficiency 83 % Peak intensity 3.725 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C TRIDONIC	e ⁷
Efficiency 83 % Peak intensity 3.725 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C TRIDONIC LED SLE G6 LES15	e ⁷
Efficiency 83 % Peak intensity 3.725 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C TRIDONIC LED SLE G6 LES15 FWHM 26.0°	e ⁷
Efficiency 83 % Peak intensity 3.725 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C TRIDONIC LED SLE G6 LES15 FWHM 26.0° Efficiency 82 %	e ⁷
Efficiency 83 % Peak intensity 3.725 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C TRIDONIC LED SLE G6 LES15 FWHM 26.0° Efficiency 82 % Peak intensity 2.400 cd/lm	e ⁷
Efficiency 83 % Peak intensity 3.725 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C TRIDONIC LED SLE G6 LES15 FWHM 26.0° Efficiency 82 % Peak intensity 2.400 cd/lm LEDs/each optic 1	e ⁷
Efficiency 83 % Peak intensity 3.725 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C TRIDONIC LED SLE G6 LES15 FWHM 26.0° Efficiency 82 % Peak intensity 2.400 cd/lm LEDs/each optic 1 Light colour White	e ⁷
Efficiency 83 % Peak intensity 3.725 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C TRIDONIC LED SLE G6 LES15 FWHM 26.0° Efficiency 82 % Peak intensity 2.400 cd/lm LEDs/each optic 1 Light colour White Required components:	
Efficiency 83 % Peak intensity 3.725 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C TRIDONIC LED SLE G6 LES15 FWHM 26.0° Efficiency 82 % Peak intensity 2.400 cd/lm LEDs/each optic 1	
Efficiency 83 % Peak intensity 3.725 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C TRIDONIC LED SLE G6 LES15 FWHM 26.0° Efficiency 82 % Peak intensity 2.400 cd/lm LEDs/each optic 1 Light colour White Required components:	

PRODUCT DATASHEET

CN15822_WINNIE-S-C



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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