

CARMEN-W-C-WHT

~55° wide beam. Assembly with holder C compatible with HEKLA sockets and connectors. White version.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 69.5 mm
Height	41.5 mm
Fastening	socket
ROHS compliant	yes 🛈



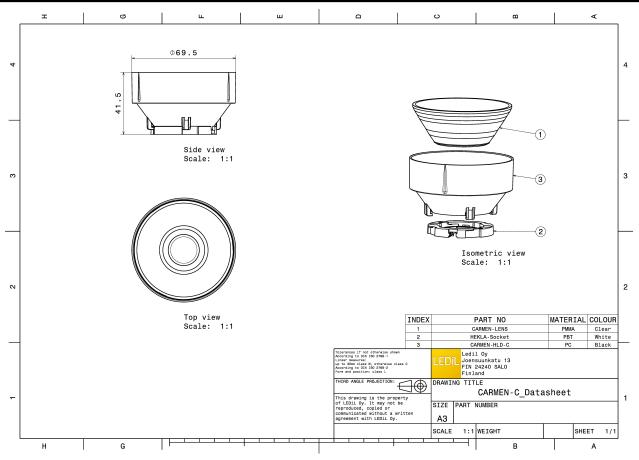
MATERIAL SPECIFICATIONS:

Component	Туре	Material	Colour	Finish
CARMEN-W	Single lens	PMMA	clear	
CARMEN-HLD-C-WHT	Holder	PC	white	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP16939_CARMEN-W-C-WHT	Single lens	150	150	15	6.2
» Box size: 476 x 273 x 292 mm					





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



LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 43	-SOCKET-K	
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 50	-SOCKET-K	
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 48	-SOCKET-K	
CITIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CLU700/701/702 52.0° / 75.0° 92 % 1.3 cd/lm 1 White nts:	



CITIZE	N	9) ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA	CLU710/711 53.0° / 76.0° 89 % 1.2 cd/lm 1 White ents:	
CITIZE	'N	20 ⁴ 0 ⁴ 10 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CLU7B2 53.0° / 75.0° 93 % 1.2 cd/lm 1 White ents:	
CREE -		20 [*]
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15256_HEKLA	CXA/B 15xx 55.0° / 79.0° 91 % 1.1 cd/lm 1 White ents:	
🥙 LUMIL	.EDS	90 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6	LUXEON CX Plus CoB L08 (Gen2) 63.0° / 92.0° 85 % 0.8 cd/lm 1 White ents:	



	.EDS	90*
LED	LUXEON CX Plus CoB - HD S01H4	<i>w</i>
FWHM / FWTM	50.0° / 77.0°	
Efficiency	89 %	60° - 400
Peak intensity	1.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
Bender Wirth: 6	34C HEKIA	
		2200
		30° 15° 15°
	EDS	20 ⁴
LED	LUXEON CX Plus CoB - HD S01H6 / HD S02H6	
FWHM / FWTM	51.0° / 77.0°	
Efficiency	89 %	
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	
Light colour	White	g. A
Required compone	ents:	
Bender Wirth: 6	34c Hekla	
		34"
	.EDS	
LED	LUXEON CX Plus CoB - HD S04H9	
FWHM / FWTM	53.0° / 80.0°	
Efficiency	88 %	
,		60 ⁴⁰ - 400
Peak intensity	1.1 CQ/IM	
	1.1 cd/lm 1	
Peak intensity LEDs/each optic Light colour		
	1 White	er
LEDs/each optic Light colour	1 White ents:	e ^r
LEDs/each optic Light colour Required compone	1 White ents:	er
LEDs/each optic Light colour Required compone	1 White ents:	
LEDs/each optic Light colour Required compone Bender Wirth: 6	1 White onts: 34c Hekla	
LEDs/each optic Light colour Required compone Bender Wirth: 6	1 White onts: 34c Hekla	
LEDs/each optic Light colour Required compone Bender Wirth: 6	1 White onts: 34c Hekla .EDS LUXEON CX Plus CoB L04 / L05 (Gen2)	
LEDs/each optic Light colour Required compone Bender Wirth: 6	1 White onts: 34c Hekla .EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 57.0° / 85.0°	
LEDs/each optic Light colour Required compone Bender Wirth: 6	1 White onts: 34c Hekla .EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 57.0° / 85.0° 87 %	
LEDs/each optic Light colour Required compone Bender Wirth: 6	1 White onts: 34c Hekla .EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 57.0° / 85.0° 87 % 1 cd/lm	
LEDs/each optic Light colour Required compone Bender Wirth: 6	1 White white white 34c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 57.0° / 85.0° 87 % 1 cd/lm 1	
LEDs/each optic Light colour Required compone Bender Wirth: 6	1 White white 34c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 57.0° / 85.0° 87 % 1 cd/lm 1 White	
LEDs/each optic Light colour Required compone Bender Wirth: 6	1 White ents: 34c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 57.0° / 85.0° 87 % 1 cd/lm 1 White ents:	
LEDs/each optic Light colour Required compone Bender Wirth: 6	1 White ents: 34c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 57.0° / 85.0° 87 % 1 cd/lm 1 White ents:	
LEDs/each optic Light colour Required compone Bender Wirth: 6 WHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	1 White ents: 34c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 57.0° / 85.0° 87 % 1 cd/lm 1 White ents:	



🙆 LUMIL	EDS	89°
LED	LUXEON CX Plus CoB M02 / M03 (Gen2)	
FWHM / FWTM	52.0° / 79.0°	781
Efficiency	88 %	
Peak intensity	1.1 cd/lm	80°
LEDs/each optic	1	
Light colour	White	9
Required compone		
Bender Wirth: 64		
		26
A		120 ¹ 0 ² 120 ²
UMIL	EDS	90 ⁴
LED	LUXEON CX Plus CoB S01 (Gen2)	
FWHM / FWTM	50.0° / 76.0°	
Efficiency	89 %	50 ⁵
Peak intensity	1.3 cd/lm	
LEDs/each optic	1	
Light colour	White	er 80
Required compone	nts:	
Bender Wirth: 63	34c Hekla	
		1229
		30" 27 0° 12"
	EDS	*
LED	LUXEON Fusion 21-up (20x24)	
FWHM / FWTM	48.0° / 73.0°	
Efficiency	88 %	
Peak intensity	1.3 cd/lm	
LEDs/each optic	21	
Light colour	White	94
Required compone	nts:	
C16142_HEKLA	-SOCKET-K	
Bender Wirth: 44	42 Typ L8	120
		2 ⁴ 20 4 20
	INUS	
LED	CxM-11 (19x19)	
FWHM / FWTM	60.0° / 83.0°	
Efficiency	88 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
	White	
Light colour		
Light colour Required compone	ints:	
Required compone		



E-		
	INUS	50° 5
LED	CXM-3	
FWHM / FWTM	53.0° / 74.0°	
Efficiency	95 %	
Peak intensity	1.3 cd/lm	
LEDs/each optic	1	
Light colour	White	ST BO
Required compone	ents:	
F15255_HEKLA	-SOCKET-C	
	INUS	
LED	CXM-4	
FWHM / FWTM	52.0° / 74.0°	
Efficiency	92 %	
Peak intensity	1.3 cd/lm	
LEDs/each optic	1	
Light colour	White	e H
Required compone		
F15255_HEKLA		
1.10200_1121121		
		120
		30° 3
		/ <u>155</u> / of <u>155</u> *
SAMSI	ING	239 of 354
		23 ⁵ 0 ⁴ 12 ⁵
LED	LC010T (Tunable White)	
LED FWHM / FWTM	LC010T (Tunable White) 52.0° / 77.0°	
LED FWHM / FWTM Efficiency	LC010T (Tunable White) 52.0° / 77.0° 87 %	
LED FWHM / FWTM Efficiency Peak intensity	LC010T (Tunable White) 52.0° / 77.0° 87 % 1.2 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LC010T (Tunable White) 52.0° / 77.0° 87 % 1.2 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LC010T (Tunable White) 52.0° / 77.0° 87 % 1.2 cd/lm 1 Tunable White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LC010T (Tunable White) 52.0° / 77.0° 87 % 1.2 cd/lm 1 Tunable White ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA	LC010T (Tunable White) 52.0° / 77.0° 87 % 1.2 cd/lm 1 Tunable White Ints: INSOCKET-K	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LC010T (Tunable White) 52.0° / 77.0° 87 % 1.2 cd/lm 1 Tunable White Ints: INSOCKET-K	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA	LC010T (Tunable White) 52.0° / 77.0° 87 % 1.2 cd/lm 1 Tunable White ents: -SOCKET-K D1 Typ L8	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 50	LC010T (Tunable White) 52.0° / 77.0° 87 % 1.2 cd/lm 1 Tunable White Ints: IN-SOCKET-K D1 Typ L8	125 de 125
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 50	LC010T (Tunable White) 52.0° / 77.0° 87 % 1.2 cd/lm 1 Tunable White Ints: INSOCKET-K D1 Typ L8	125 de 125
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 50	LC010T (Tunable White) 52.0° / 77.0° 87 % 1.2 cd/lm 1 Tunable White ints: -SOCKET-K 01 Typ L8 XOB 6 mm 54.0° / 76.0°	125 de 125
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 50 XICATC LED FWHM / FWTM Efficiency	LC010T (Tunable White) 52.0° / 77.0° 87 % 1.2 cd/lm 1 Tunable White ints: -SOCKET-K D1 Typ L8 XOB 6 mm 54.0° / 76.0° 91 %	157 de 157
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 50 XICATC LED FWHM / FWTM Efficiency Peak intensity	LC010T (Tunable White) 52.0° / 77.0° 87 % 1.2 cd/lm 1 Tunable White ints: A-SOCKET-K D1 Typ L8 XOB 6 mm 54.0° / 76.0° 91 % 1.2 cd/lm	157 de 157
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 50 XICCATC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LC010T (Tunable White) 52.0° / 77.0° 87 % 1.2 cd/lm 1 Tunable White ints: A-SOCKET-K D1 Typ L8 XOB 6 mm 54.0° / 76.0° 91 % 1.2 cd/lm 1	157 de 157
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 50 XICCATCO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LC010T (Tunable White) 52.0° / 77.0° 87 % 1.2 cd/lm 1 Tunable White ints: -SOCKET-K 01 Typ L8 XOB 6 mm 54.0° / 76.0° 91 % 1.2 cd/lm 1 White	157 de 157
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 50 XICATCO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LC010T (Tunable White) 52.0° / 77.0° 87 % 1.2 cd/lm 1 Tunable White ints: -SOCKET-K D1 Typ L8 XOB 6 mm 54.0° / 76.0° 91 % 1.2 cd/lm 1 White ints:	157 de 157
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 50 XICCATCO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LC010T (Tunable White) 52.0° / 77.0° 87 % 1.2 cd/lm 1 Tunable White ints: -SOCKET-K D1 Typ L8 XOB 6 mm 54.0° / 76.0° 91 % 1.2 cd/lm 1 White ints:	157 de 157
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 50 XICATC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LC010T (Tunable White) 52.0° / 77.0° 87 % 1.2 cd/lm 1 Tunable White ints: -SOCKET-K D1 Typ L8 XOB 6 mm 54.0° / 76.0° 91 % 1.2 cd/lm 1 White ints:	125 de 125



XICATO)		50°
LED	XOB 9.8 mm		75
FWHM / FWTM	54.0° / 79.0°		
Efficiency	90 %		60* 400 66
Peak intensity	1.1 cd/lm		
LEDs/each optic	1		
Light colour	White		er la
Required compone	ents:		800
F15255_HEKLA	-SOCKET-C		
			\times \wedge \wedge λ
			304
			1230 15° 0° 15°



PHOTOMETRIC DATA (SIMULATED):

CITIZEN	J	90* 907
LED	CLL02x/CLU02x (LES10)	
FWHM / FWTM	54.0° / 76.0°	25.
Efficiency	87 %	40
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	
Light colour	White	gr e
Required component	5:	90°
TRIDON	C	90 ⁺
LED	SLE G7 LES09	
FWHM / FWTM	51.0° / 76.0°	75
Efficiency	90 %	60° - 400
Peak intensity	1.4 cd/lm	
LEDs/each optic	1	
Light colour	White	45° 860 85
Required components	5:	
F15255_HEKLA-S	OCKET-C	2 ⁴⁰ 11 12 12 12 12 12 12 12 12 12 12 12 12



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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