

CARMEN-SS-C-WHT

~12° smooth spot beam. Assembly with holder C compatible with LEDiL HEKLA. White version.

SPECIFICATION:

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



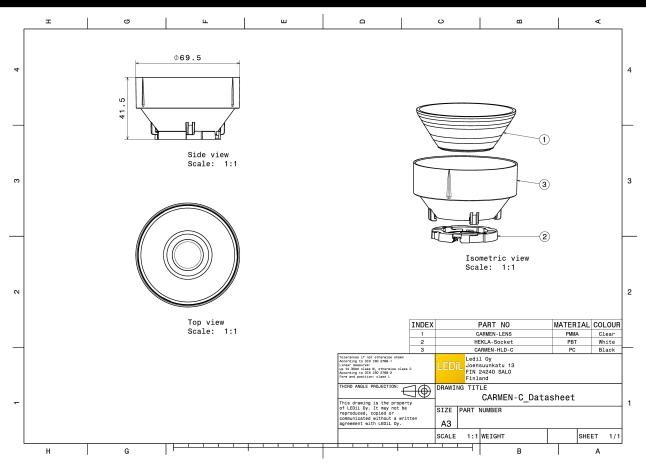
MATERIALS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP16941_CARMEN-SS-C-WHT	Single lens	150	150	15	8.8
» Box size: 480 x 280 x 300 mm					

PRODUCT DATASHEET CP16941_CARMEN-SS-C-WHT



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 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: 44	-SOCKET-K	
CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CLU700/701/702/703 10.0° / 20.0° 85 % 13.2 cd/lm 1 White nts:	
CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA	CLU710/711 12.0° / 24.0° 82 % 8.5 cd/lm 1 White nts:	



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CITIZE	N	90° 90°
LED	CLU7B2	
FWHM / FWTM	10.0° / 18.0°	27
Efficiency	86 %	
Peak intensity	15.3 cd/lm	60 ⁻⁰
LEDs/each optic	1	
Light colour	White	ar 9000
Required componen	ts:	
F15255_HEKLA-		
		\times / \top / \times
		30° 30°
		15° 0° 15°
		90* 90*
LED	CXA/B 15xx	75'
FWHM / FWTM	12.0° / 24.0°	
Efficiency	84 %	50° 500 50°
Peak intensity	9 cd/lm	$\wedge / / / \wedge \wedge / /$
LEDs/each optic	1	$ \times / / \wedge \times$
Light colour	White	83 ² / 23 ²
Required componen	ts:	6420
F15256_HEKLA-	SOCKET-D	
		30° 300
		20 V 20
	EDS	90° 90°
		90° 30°
LED	LUXEON CX Plus CoB L08 (Gen2)	30 ¹
LED FWHM / FWTM	LUXEON CX Plus CoB L08 (Gen2) 18.0° / 34.0°	39 ¹
LED FWHM / FWTM Efficiency	LUXEON CX Plus CoB L08 (Gen2)	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON CX Plus CoB L08 (Gen2) 18.0° / 34.0° 84 %	500 500 500 500 500 500 500 500 500 500
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON CX Plus CoB L08 (Gen2) 18.0° / 34.0° 84 % 4 cd/lm	99 ⁴ 99 ⁴ 99 ⁴ 1000 1000
LED FWHM / FWTM Efficiency Peak intensity	LUXEON CX Plus CoB L08 (Gen2) 18.0° / 34.0° 84 % 4 cd/lm 1 White	50 ² 55 ² 55 50 50 50 50 50 50 50 50 50 50 50 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CX Plus CoB L08 (Gen2) 18.0° / 34.0° 84 % 4 cd/lm 1 White ts:	9° 9° 9° 100 100 100 0°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LUXEON CX Plus CoB L08 (Gen2) 18.0° / 34.0° 84 % 4 cd/lm 1 White ts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LUXEON CX Plus CoB L08 (Gen2) 18.0° / 34.0° 84 % 4 cd/lm 1 White ts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Bender Wirth: 633	LUXEON CX Plus CoB L08 (Gen2) 18.0° / 34.0° 84 % 4 cd/lm 1 White ts: 7a Hekla	200 U
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Bender Wirth: 633	LUXEON CX Plus CoB L08 (Gen2) 18.0° / 34.0° 84 % 4 cd/lm 1 White ts: 7a Hekla	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Bender Wirth: 633	LUXEON CX Plus CoB L08 (Gen2) 18.0° / 34.0° 84 % 4 cd/lm 1 White ts: 7a Hekla EDS LUXEON CX Plus CoB - HD S01H4	200 U
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Bender Wirth: 633	LUXEON CX Plus CoB L08 (Gen2) 18.0° / 34.0° 84 % 4 cd/lm 1 White ts: 7a Hekla EDS LUXEON CX Plus CoB - HD S01H4 11.0° / 19.0°	200 U
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Bender Wirth: 633	LUXEON CX Plus CoB L08 (Gen2) 18.0° / 34.0° 84 % 4 cd/lm 1 White ts: 7a Hekla EDS LUXEON CX Plus CoB - HD S01H4 11.0° / 19.0° 86 %	200 U
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Bender Wirth: 637	LUXEON CX Plus CoB L08 (Gen2) 18.0° / 34.0° 84 % 4 cd/lm 1 White ts: 7a Hekla EDS LUXEON CX Plus CoB - HD S01H4 11.0° / 19.0° 86 % 14.6 cd/lm	200 U
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Bender Wirth: 637	LUXEON CX Plus CoB L08 (Gen2) 18.0° / 34.0° 84 % 4 cd/lm 1 White ts: 7a Hekla EDS LUXEON CX Plus CoB - HD S01H4 11.0° / 19.0° 86 % 14.6 cd/lm 1	200 U
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Bender Wirth: 637	LUXEON CX Plus CoB L08 (Gen2) 18.0° / 34.0° 84 % 4 cd/lm 1 White ts: 7a Hekla EDS LUXEON CX Plus CoB - HD S01H4 11.0° / 19.0° 86 % 14.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Bender Wirth: 63 COMPLENT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	LUXEON CX Plus CoB L08 (Gen2) 18.0° / 34.0° 84 % 4 cd/lm 1 White ts: 7a Hekla EDS LUXEON CX Plus CoB - HD S01H4 11.0° / 19.0° 86 % 14.6 cd/lm 1 White ts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Bender Wirth: 637	LUXEON CX Plus CoB L08 (Gen2) 18.0° / 34.0° 84 % 4 cd/lm 1 White ts: 7a Hekla EDS LUXEON CX Plus CoB - HD S01H4 11.0° / 19.0° 86 % 14.6 cd/lm 1 White ts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Bender Wirth: 63 COMPLENT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	LUXEON CX Plus CoB L08 (Gen2) 18.0° / 34.0° 84 % 4 cd/lm 1 White ts: 7a Hekla EDS LUXEON CX Plus CoB - HD S01H4 11.0° / 19.0° 86 % 14.6 cd/lm 1 White ts:	200 U



MUMIL	EDS		90* 90*
LED	LUXEON CX Plus CoB - HD S02H6		
FWHM / FWTM	11.0° / 20.0°		75° 75°
Efficiency	86 %		
Peak intensity	14 cd/lm		\times / / \times /
LEDs/each optic	1		
Light colour	White		95°
Required compone	nts:		
Bender Wirth: 63			X / X
			30*
	FDS		
	LUXEON CX Plus CoB - HD S04H9		75.
FWHM / FWTM	12.0° / 24.0°		
Efficiency	85 %		60 5 60
Peak intensity	8.7 cd/lm		
LEDs/each optic	1		45° 45
Light colour	White		$r \times / \times r$
Required compone Bender Wirth: 63			6430
Bender wirth: 63	че пекіа		
			\times / \vee \times
			36° 33° 33°
	FDS		
			90* 90'
	LUXEON CX Plus CoB L04 / L05 (Gen2) 15.0° / 28.0°	_	
LED	LUXEON CX Plus CoB L04 / L05 (Gen2)		
LED FWHM / FWTM	LUXEON CX Plus CoB L04 / L05 (Gen2) 15.0° / 28.0°		
LED FWHM / FWTM Efficiency	LUXEON CX Plus CoB L04 / L05 (Gen2) 15.0° / 28.0° 84 %		
LED FWHM / FWTM Efficiency Peak intensity	LUXEON CX Plus CoB L04 / L05 (Gen2) 15.0° / 28.0° 84 % 6 cd/lm		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON CX Plus CoB L04 / L05 (Gen2) 15.0° / 28.0° 84 % 6 cd/lm 1 White		90 ⁻
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CX Plus CoB L04 / L05 (Gen2) 15.0° / 28.0° 84 % 6 cd/lm 1 White nts:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON CX Plus CoB L04 / L05 (Gen2) 15.0° / 28.0° 84 % 6 cd/lm 1 White nts:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON CX Plus CoB L04 / L05 (Gen2) 15.0° / 28.0° 84 % 6 cd/lm 1 White nts:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63	LUXEON CX Plus CoB L04 / L05 (Gen2) 15.0° / 28.0° 84 % 6 cd/lm 1 White nts: 37a Hekla		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63	LUXEON CX Plus CoB L04 / L05 (Gen2) 15.0° / 28.0° 84 % 6 cd/lm 1 White nts: 87a Hekla		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63	LUXEON CX Plus CoB L04 / L05 (Gen2) 15.0° / 28.0° 84 % 6 cd/lm 1 White nts: 37a Hekla EDS LUXEON CX Plus CoB M02 / M03 (Gen2)		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63	LUXEON CX Plus CoB L04 / L05 (Gen2) 15.0° / 28.0° 84 % 6 cd/lm 1 White nts: 87a Hekla EDS LUXEON CX Plus CoB M02 / M03 (Gen2) 12.0° / 23.0°		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63	LUXEON CX Plus CoB L04 / L05 (Gen2) 15.0° / 28.0° 84 % 6 cd/lm 1 White nts: 37a Hekla EDS LUXEON CX Plus CoB M02 / M03 (Gen2) 12.0° / 23.0° 85 %		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63	LUXEON CX Plus CoB L04 / L05 (Gen2) 15.0° / 28.0° 84 % 6 cd/lm 1 White nts: 37a Hekla EDS LUXEON CX Plus CoB M02 / M03 (Gen2) 12.0° / 23.0° 85 % 9.6 cd/lm		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63	LUXEON CX Plus CoB L04 / L05 (Gen2) 15.0° / 28.0° 84 % 6 cd/lm 1 White nts: 37a Hekla EDS LUXEON CX Plus CoB M02 / M03 (Gen2) 12.0° / 23.0° 85 % 9.6 cd/lm 1		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63 COMPLE Email Compose FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CX Plus CoB L04 / L05 (Gen2) 15.0° / 28.0° 84 % 6 cd/lm 1 White nts: 37a Hekla EDS LUXEON CX Plus CoB M02 / M03 (Gen2) 12.0° / 23.0° 85 % 9.6 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63 COMPUTE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON CX Plus CoB L04 / L05 (Gen2) 15.0° / 28.0° 84 % 6 cd/lm 1 White nts: 37a Hekla EDS LUXEON CX Plus CoB M02 / M03 (Gen2) 12.0° / 23.0° 85 % 9.6 cd/lm 1 White nts:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63 COMPLE Email Compose FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CX Plus CoB L04 / L05 (Gen2) 15.0° / 28.0° 84 % 6 cd/lm 1 White nts: 37a Hekla EDS LUXEON CX Plus CoB M02 / M03 (Gen2) 12.0° / 23.0° 85 % 9.6 cd/lm 1 White nts:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63 COMPUTE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON CX Plus CoB L04 / L05 (Gen2) 15.0° / 28.0° 84 % 6 cd/lm 1 White nts: 37a Hekla EDS LUXEON CX Plus CoB M02 / M03 (Gen2) 12.0° / 23.0° 85 % 9.6 cd/lm 1 White nts:		



	EDS	90 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6	LUXEON CX Plus CoB S01 (Gen2) 10.0° / 19.0° 86 % 14.9 cd/lm 1 White ents:	
ELUM	INUS	90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA	CxM-11 (19x19) 16.0° / 30.0° 83 % 5.2 cd/lm 1 White ents:	
ELUM	INUS	94*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CXM-3 10.0° / 19.0° 88 % 14.9 cd/lm 1 White ents: A-SOCKET-C	
ELUM	INUS	90 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA		



SAMSU	JNG	99*	5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 50	LC010T (Tunable White) 13.0° / 26.0° 82 % 7.1 cd/lm 1 Tunable White Ints: IN-SOCKET-K	77 77 70 70 70 70 70 70 70 70 70 70 70 7	
XICATO)	85	5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	XOB 6 mm 10.0° / 20.0° 83 % 12.1 cd/lm 1 White ints:	77 67 67 77 77 70 70 70 70 70 70 70 70 70 70 70	X
XICATO			
LED	XOB 9.8 mm	75	
FWHM / FWTM	13.0° / 25.0°		
Efficiency Peak intensity	84 % 8.1 cd/lm	61 2200	
LEDs/each optic	1		
Light colour	White	get /	
Required compone	ints:		
F15255_HEKLA	-SOCKET-C	94° 1357 0° 157	



OPTICAL RESULTS (SIMULATED):

		90*
LED	CMU15xx	
FWHM / FWTM	20.0° / 38.0°	
Efficiency	82 %	60
Peak intensity	3.9 cd/lm	
LEDs/each optic	1	
Light colour	White	Ø 300 Ø.
Required components	:	
F17438_HEKLA-G2	2-1	200
		30° 6000 30°
		15 ⁵ 0 ⁶ 15 ⁵
TRIDONI	С	зо [*] Д
	C SLE G7 LES09	
		92°
LED	SLE G7 LES09	7. 7.
LED FWHM / FWTM	SLE G7 LES09 14.0° / 26.0°	
LED FWHM / FWTM Efficiency	SLE G7 LES09 14.0° / 26.0° 87 %	7. 7.
LED FWHM / FWTM Efficiency Peak intensity	SLE G7 LES09 14.0° / 26.0° 87 % 8.9 cd/lm	72
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	SLE G7 LES09 14.0° / 26.0° 87 % 8.9 cd/lm 1 White	500 Kr.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	SLE G7 LES09 14.0° / 26.0° 87 % 8.9 cd/lm 1 White	97 60 61 60 60 60 60 60 60 60 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components	SLE G7 LES09 14.0° / 26.0° 87 % 8.9 cd/lm 1 White	97. 68. 509 67. 57.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components	SLE G7 LES09 14.0° / 26.0° 87 % 8.9 cd/lm 1 White	77. 191 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.



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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