

CARMEN-50-S-C

~24° spot beam. Assembly with holder C compatible with LEDiL HEKLA.

TECHNICAL SPECIFICATIONS:

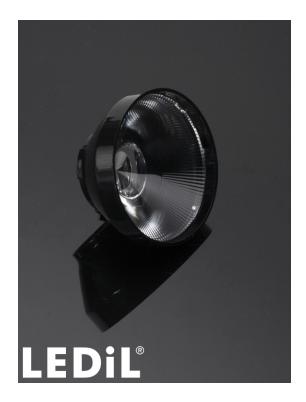
Dimensions Ø 50.0 mm Height Fastening ROHS compliant yes 🛈

25.5 mm socket

MATERIAL SPECIFICATIONS:

Component CARMEN-50-S CARMEN-50-HLD-C

Туре Single lens Holder

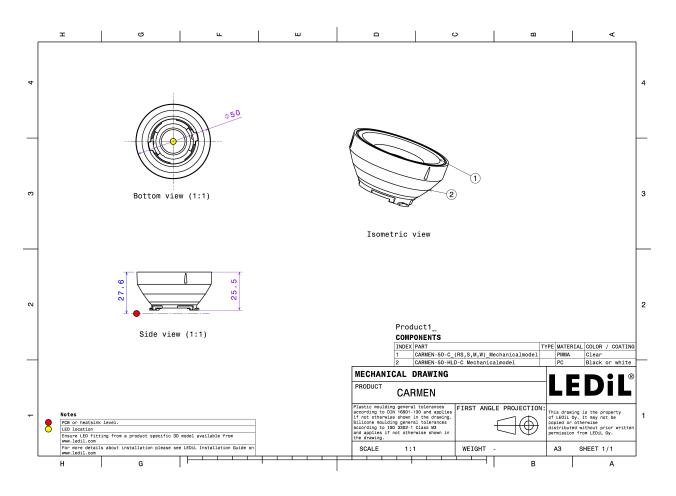


	Material	Colour	Finish
S	PMMA	clear	
	PC	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP16107_CARMEN-50-S-C	Single lens	308	112	28	6.9
» Box size: 476 x 273 x 292 mm					







bridgetux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15253_HEKL	White ents:	
bridgelux. 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:	
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	White ents:	

PRODUCT DATASHEET

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bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	White nents: A-SOCKET-K	20 20 20 20 20 20 20 20 20 20
CITTIZE: LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	CLL02x/CLU02x (LES10) 24.0° 66 % 3.1 cd/lm 1 White tents:	20 20 20 20 20 20 20 20 20 20
CITIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	CLU700/701/702 19.0° 73 % 5.3 cd/lm 1 White hents:	200 5° 5° 50 50 50 50 50 50 50 50 50 50 50 50 50
CITIZE: LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	CLU710/711 22.0° 65 % 3.5 cd/lm 1 White nents:	200 200 200 200 200 200 200 200

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CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15256_HEKL	CMA1516 25.0° 68 % 3 cd/lm 1 White tents:	51 50 50 50 50 50 50 50 50 50 50 50 50 50
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	CMT14xx 25.0° 44 % 1.9 cd/lm 1 White eents:	27
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15956_HEKL	CXA/B 13xx 22.0° 77 % 4.5 cd/lm 1 White eents:	
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15956_HEKL	CXA/B 13xx 21.0° 76 % 4.5 cd/lm 1 White eents:	

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PHOTOMETRIC DATA (MEASURED):

CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15256_HEKL	CXA/B 15xx 24.0° 69 % 3.4 cd/lm 1 White nents:	3° 3° 3° 3° 3° 3° 3° 3° 3° 3°
EUMILI ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15848_HEKL	LUXEON CoB 1202HD 21.0° 73 % 4.4 cd/lm 1 White nents:	
LUMILI LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15848_HEKL	LUXEON CoB 1202s 21.0° 75 % 4.7 cd/lm 1 White nents:	25
EUMILI LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor Bender Wirth: 6	LUXEON CX Plus CoB - HD S01H4 16.0° 68 % 6.1 cd/lm 1 White nents:	



PHOTOMETRIC DATA (MEASURED):

UMILI	DS	90*
LED	LUXEON CX Plus CoB - HD S01H6 / HD S02H6	73'
FWHM	16.0°	
Efficiency	67 %	600
Peak intensity	5.9 cd/lm	
LEDs/each optic		
Light colour	White	
Required compon		
Bender Wirth: 6	34c Hekla	4500
		\times / \vee \times
		36 ⁴ 37 15 ⁵ 6990 15 ⁵
	EDS State St	50°
LED	LUXEON CX Plus CoB - HD S04H9	75'
FWHM	22.0°	
Efficiency	61 %	600
Peak intensity	3.4 cd/lm	
LEDs/each optic		
Light colour	White	
Required compon		200
Bender Wirth: 6	34c Hekla	
		3220
		30° 13° 0° 13° 34
	NUS	90 ⁺ 90
LED	CDM-9 (Dim-To-Warm)	
FWHM	21.0°	78 200
Efficiency	57 %	
Peak intensity	3.7 cd/lm	
LEDs/each optic	1	
Light colour	White	47 ² 2430
Required compon		
C16142_HEKL		1220
Bender Wirth: 4	90 Тур L8	
		30° 15° 4900 15°
	NUS	90°
LED	CXM-4	
FWHM	18.0°	
Efficiency	76 %	1000 e
Peak intensity	5.5 cd/lm	$ \times / / $
	1	$X \times A \to X \times X$
LEDs/each optic		
LEDs/each optic Light colour	White	ar
LEDs/each optic Light colour Required compon	White ents:	ç. 300
LEDs/each optic Light colour	White ents:	ç. 300
LEDs/each optic Light colour Required compon	White ents:	ç. 300

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PHOTOMETRIC DATA (MEASURED):

	NUS	<u>90*</u>
LED	CxM-9 (13.5x13.5)	75 75
FWHM	24.0°	
Efficiency	67 %	60°
Peak intensity	3.1 cd/lm	
LEDs/each optic	1	
Light colour	White	d2*
Required compor		2400
F15255_HEKL	A-SOCKET-C	
		30° 30° 30° 35° 36°
Ø NICHIA		90* 0
LED	COB S-Type (LES 7)	
FWHM	22.0°	73.
Efficiency	73 %	
Peak intensity	4.1 cd/lm	- 1600
LEDs/each optic		
Light colour	White	\$7 [*]
Required compor	ients:	\times / \times
F15848_HEKL		3200
		30%
		15, 0, 15,
ØNICHIA		90* 90*
LED	NJCWL024Z-V1MT: COB L-Type Tunable White	35- 35- 35-
LED FWHM	NJCWL024Z-V1MT: COB L-Type Tunable White 17.0°	32. 25. 26.
LED FWHM Efficiency	NJCWL024Z-V1MT: COB L-Type Tunable White 17.0° 56 %	804 1000 604 205 25 205
LED FWHM Efficiency Peak intensity	NJCWL024Z-V1MT: COB L-Type Tunable White 17.0° 56 % 4.7 cd/lm	81
LED FWHM Efficiency Peak intensity LEDs/each optic	NJCWL024Z-V1MT: COB L-Type Tunable White 17.0° 56 % 4.7 cd/lm 1	77 77 77 77 77 77 77 77 77 77 77 77 77
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	NJCWL024Z-V1MT: COB L-Type Tunable White 17.0° 56 % 4.7 cd/lm 1 White	gt gt 300 904 904 904 904 904 904 904 9
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NJCWL024Z-V1MT: COB L-Type Tunable White 17.0° 56 % 4.7 cd/lm 1 White nents:	7 ²
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	NJCWL024Z-V1MT: COB L-Type Tunable White 17.0° 56 % 4.7 cd/lm 1 White tents: A-SOCKET-K	7 ²
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NJCWL024Z-V1MT: COB L-Type Tunable White 17.0° 56 % 4.7 cd/lm 1 White tents: A-SOCKET-K	71 75 61 1000 61 61 67
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL	NJCWL024Z-V1MT: COB L-Type Tunable White 17.0° 56 % 4.7 cd/lm 1 White tents: A-SOCKET-K	71 75 61 1000 61 61 67
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	NJCWL024Z-V1MT: COB L-Type Tunable White 17.0° 56 % 4.7 cd/lm 1 White nents: A-SOCKET-K 497 Typ L8	7 ²
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4	NJCWL024Z-V1MT: COB L-Type Tunable White 17.0° 56 % 4.7 cd/lm 1 White nents: A-SOCKET-K 497 Typ L8 S Fortimo SLM L09 CoB	Na Na 20,
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 PHILIP LED FWHM	NJCWL024Z-V1MT: COB L-Type Tunable White 17.0° 56 % 4.7 cd/lm 1 White vents: A-SOCKET-K 197 Typ L8 S Fortimo SLM L09 CoB 24.0°	200 20 20 20 20 20 20 20 20 20
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 PHILIP LED FWHM Efficiency	NJCWL024Z-V1MT: COB L-Type Tunable White 17.0° 56 % 4.7 cd/lm 1 White tents: A-SOCKET-K 197 Typ L8 S Fortimo SLM L09 CoB 24.0° 65 %	30, 30,
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 PHILIP LED FWHM Efficiency Peak intensity	NJCWL024Z-V1MT: COB L-Type Tunable White 17.0° 56 % 4.7 cd/lm 1 White tents: A-SOCKET-K 197 Typ L8 S Fortimo SLM L09 CoB 24.0° 65 % 3.1 cd/lm	Na Na 20,
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 PHILIP LED FWHM Efficiency Peak intensity LEDs/each optic	NJCWL024Z-V1MT: COB L-Type Tunable White 17.0° 56 % 4.7 cd/lm 1 White tents: A-SOCKET-K 497 Typ L8 S Fortimo SLM L09 CoB 24.0° 65 % 3.1 cd/lm 1	200 200 200 200 200 200 200 200 200 200
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 PHILIP LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	NJCWL024Z-V1MT: COB L-Type Tunable White 17.0° 56 % 4.7 cd/lm 1 White tents: A-SOCKET-K 497 Typ L8 S Fortimo SLM L09 CoB 24.0° 65 % 3.1 cd/lm 1 White	00 30 30 30 30 30 30 30 30 30
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 PHILIP LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NJCWL024Z-V1MT: COB L-Type Tunable White 17.0° 56 % 4.7 cd/lm 1 White tents: A-SOCKET-K 497 Typ L8 S Fortimo SLM L09 CoB 24.0° 65 % 3.1 cd/lm 1 White tents:	2, 20 6, 20 7, 20 6, 20 7,
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 PHILIP LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	NJCWL024Z-V1MT: COB L-Type Tunable White 17.0° 56 % 4.7 cd/lm 1 White tents: A-SOCKET-K 497 Typ L8 S Fortimo SLM L09 CoB 24.0° 65 % 3.1 cd/lm 1 White tents:	200 200 24 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 27 26 28 26 29 26 20 26 21 26 22 26 23 26
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 PHILIP LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NJCWL024Z-V1MT: COB L-Type Tunable White 17.0° 56 % 4.7 cd/lm 1 White tents: A-SOCKET-K 497 Typ L8 S Fortimo SLM L09 CoB 24.0° 65 % 3.1 cd/lm 1 White tents:	2, 20 6, 20 8, 20 6, 20 8, 20 6, 20 6, 20 8,
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16142_HEKL Bender Wirth: 4 PHILIP LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NJCWL024Z-V1MT: COB L-Type Tunable White 17.0° 56 % 4.7 cd/lm 1 White tents: A-SOCKET-K 497 Typ L8 S Fortimo SLM L09 CoB 24.0° 65 % 3.1 cd/lm 1 White tents:	2, 2, 2, 2, 2, 2, 2, 2, 2, 2,



SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	LC003D / LC006D / LC009D / LC013D 25.0° 67 % 3 cd/lm 1 White ients:	200 200 200 200 200 200 200 200
SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	LC010C G2 19.0° 74 % 5.3 cd/lm 1 White eents:	
SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	LC020C G2 23.0° 65 % 3.3 cd/lm 1 White eents:	200 200 200 200 200 200 200 200
TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	SLE G7 LES09 23.0° 69 % 3.5 cd/lm 1 White vents:	200 200 200 200 200 200 200 200

PRODUCT DATASHEET

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TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15859_HEKL	SLE G7 LES13 31.0° 58 % 1.8 cd/lm 1 White tents:	27 - 59 60 - 57 60 - 60 67 - 52 60 - 60 67 - 52 60 - 60 60
XICATC LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	XOB 6 mm 19.0° 73 % 4.9 cd/lm 1 White tents:	25 ⁻ 25
XICATC LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F15255_HEKL	XOB 9.8 mm 24.0° 67 % 3.2 cd/lm 1 White wents:	200 21 22 20 20 20 20 20 20 20 20 20

PRODUCT DATASHEET CP16107_CARMEN-50-S-C



PHOTOMETRIC DATA (SIMULATED):

bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15255_HEKLA-S	20 20 20 20 20 20 20 20 20 20
bridgetux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15253_HEKLA-S	200 by 12 13 14 15 15 15 15 15 15 15 15 15 15
bridgetux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15253_HEKLA-S	200 10 10 10 10 10 10 10 10 10
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15616_HEKLA-5	200 200 200 200 200 200 200 200



PHOTOMETRIC DATA (SIMULATED):

bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer C16142_HEKLA-		24 00 00 00 2. 20 2. 20 3. 25 3.
		125) 07 325
WICHIA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15848_HEKLA-S		24° 25° 0° 15° 25°
SAMSUI	IC	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15255_HEKLA-S	LH231B 23.0° 63 % 3 cd/lm 7 White ts:	
XICATO LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer C15743_XTM-AD		20 20 20 20 20 20 20 20 20 20

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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

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc.

228 West Page Street Suite D Sycamore IL 60178 USA

Local sales and technical support www.ledil.com/ where_to_buy

Shipping locations Salo, Finland Hong Kong, China

Distribution Partners www.ledil.com/

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