

PRODUCT DATASHEET CP16939_CARMEN-W-C-WHT

CARMEN-W-C-WHT

~55° wide 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:

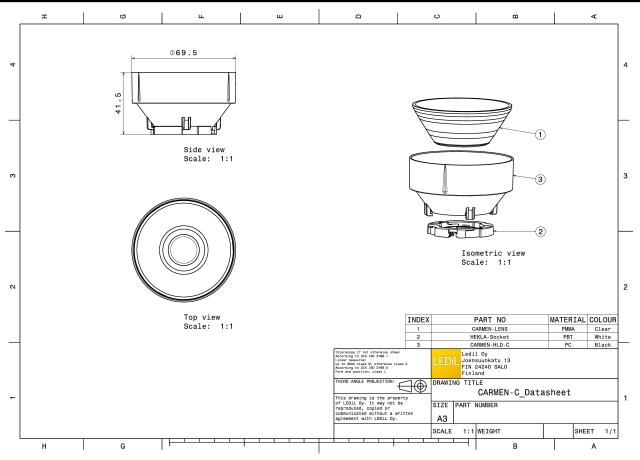
Component	Туре	Material	Colour	Finish
CARMEN-W	Single lens	PMMA	clear	
CARMEN-HLD-C-WHT	Holder	PC	white	

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					



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



bridgelux. LED FWHM / FWTM Efficiency	Vesta DTW 13mm (21W) 65.0° / 88.0° 83 %	90 ⁴ 97 97
Peak intensity LEDs/each optic Light colour Required compone	0.8 cd/lm 1 Tunable White ents:	57
C16142_HEKLA Bender Wirth: 49	A-SOCKET-K	30° 50° 50° 50° 50° 50° 50° 50° 50° 50° 5
bridgelux.		8 ³⁴
LED FWHM / FWTM	Vesta TW 6mm DP 50.0° / 73.0°	70
Efficiency Book intonoity	88 % 1.3 cd/lm	501
Peak intensity LEDs/each optic	1.3 cu/im	
Light colour	White	<i>₹</i>
Required compone		
C16142_HEKLA		
Bender Wirth: 50		1200
		94° 20° 41° 20°
bridgelux.		»*
LED	Vesta TW 9mm (9W) DP	72
	52.0° / 77.0°	
FWHM / FWTM		
Efficiency	88 %	
Efficiency Peak intensity	88 % 1.2 cd/lm	
Efficiency Peak intensity LEDs/each optic	88 % 1.2 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour	88 % 1.2 cd/lm 1 White	9 ⁴ 40
Efficiency Peak intensity LEDs/each optic	88 % 1.2 cd/lm 1 White ents:	9 ¹
Efficiency Peak intensity LEDs/each optic Light colour Required compone	88 % 1.2 cd/lm 1 White ents: A-SOCKET-K	
Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA	88 % 1.2 cd/lm 1 White ents: A-SOCKET-K 89 Typ L8	
Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 48	88 % 1.2 cd/lm 1 White ents: A-SOCKET-K 89 Typ L8	
Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 48 CITTIZE LED FWHM / FWTM	88 % 1.2 cd/lm 1 White ents: A-SOCKET-K 89 Typ L8 N CLU700/701/702/703 52.0° / 75.0°	
Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 48 CITTIZE LED FWHM / FWTM Efficiency	88 % 1.2 cd/lm 1 White ents: A-SOCKET-K 89 Typ L8 N CLU700/701/702/703 52.0° / 75.0° 92 %	
Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 48 CCITTIZE LED FWHM / FWTM Efficiency Peak intensity	88 % 1.2 cd/lm 1 White ents: A-SOCKET-K 89 Typ L8 N CLU700/701/702/703 52.0° / 75.0° 92 % 1.3 cd/lm	
Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 48 CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	88 % 1.2 cd/lm 1 White ents: A-SOCKET-K 89 Typ L8 N CLU700/701/702/703 52.0° / 75.0° 92 % 1.3 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 48 CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	88 % 1.2 cd/lm 1 White ents: A-SOCKET-K 89 Typ L8 N CLU700/701/702/703 52.0° / 75.0° 92 % 1.3 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 48 CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	88 % 1.2 cd/lm 1 White ents: A-SOCKET-K 89 Typ L8 N CLU700/701/702/703 52.0° / 75.0° 92 % 1.3 cd/lm 1 White ents:	



CITIZE	Ν	90* 90
LED	CLU710/711	
FWHM / FWTM	53.0° / 76.0°	
Efficiency	89 %	400
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	$ \times // \wedge \wedge \times $
Light colour	White	57 65
Required compone		800
F15859_HEKLA		
		30" 30
	N T	125° 0° 35°
CITIZE	N	90* 90
LED	CLU7B2	
FWHM / FWTM	53.0° / 75.0°	
Efficiency	93 %	400 660
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	
Light colour	White	45 ⁴ 45
Required compone	ints:	
F15255_HEKLA	-SOCKET-C	
		30" 30
CREE 🚖		135 [°] 0 [°] 15 [°]
		84 ⁴
LED	CXA/B 15xx	
LED FWHM / FWTM	55.0° / 79.0°	
LED FWHM / FWTM Efficiency	55.0° / 79.0° 91 %	
LED FWHM / FWTM Efficiency Peak intensity	55.0° / 79.0° 91 % 1.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	55.0° / 79.0° 91 % 1.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	55.0° / 79.0° 91 % 1.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	55.0° / 79.0° 91 % 1.1 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	55.0° / 79.0° 91 % 1.1 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	55.0° / 79.0° 91 % 1.1 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	55.0° / 79.0° 91 % 1.1 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15256_HEKLA	55.0° / 79.0° 91 % 1.1 cd/lm 1 White Ints: -SOCKET-D	20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15256_HEKLA	55.0° / 79.0° 91 % 1.1 cd/lm 1 White Ints: -SOCKET-D	900 30 ¹ 12 ⁰ 32 ¹ 3
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15256_HEKLA	55.0° / 79.0° 91 % 1.1 cd/lm 1 White I SOCKET-D LUXEON CX Plus CoB L08 (Gen2)	90 39 ⁴ 12 39 ⁴ 12
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15256_HEKLA	55.0° / 79.0° 91 % 1.1 cd/lm 1 White mts: -SOCKET-D EDS LUXEON CX Plus CoB L08 (Gen2) 63.0° / 92.0°	900 30 ¹ 12 ⁰ 25 ¹ X
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15256_HEKLA	55.0° / 79.0° 91 % 1.1 cd/lm 1 White I SOCKET-D EDS LUXEON CX Plus CoB L08 (Gen2) 63.0° / 92.0° 85 %	900 30 ¹ 12 ⁰ 25 ¹ X
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15256_HEKLA	55.0° / 79.0° 91 % 1.1 cd/lm 1 White ints: -SOCKET-D EDS LUXEON CX Plus CoB L08 (Gen2) 63.0° / 92.0° 85 % 0.8 cd/lm	900 30 ¹ 12/0 32 ¹ 3 91 ⁴ 90 91 91 91 91 91 91 91 91 91 91 91 91 91
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15256_HEKLA	55.0° / 79.0° 91 % 1.1 cd/lm 1 White ints: -SOCKET-D EDS LUXEON CX Plus CoB L08 (Gen2) 63.0° / 92.0° 85 % 0.8 cd/lm 1	900 30 ¹ 12/0 32 ¹ 3 91 ⁴ 90 91 91 91 91 91 91 91 91 91 91 91 91 91
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15256_HEKLA Efficiency Peak intensity LEDs/each optic Light colour	55.0° / 79.0° 91 % 1.1 cd/lm 1 White ints: -SOCKET-D EDS LUXEON CX Plus CoB L08 (Gen2) 63.0° / 92.0° 85 % 0.8 cd/lm 1 White	900 30 ¹ 12/0 32 ¹ 3 91 ⁴ 90 91 91 91 91 91 91 91 91 91 91 91 91 91
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15256_HEKLA COMPACTION LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	55.0° / 79.0° 91 % 1.1 cd/lm 1 White I SOCKET-D EDS LUXEON CX Plus CoB L08 (Gen2) 63.0° / 92.0° 85 % 0.8 cd/lm 1 White I White I SOCKET-D	900 30 ¹ 12/0 32 ¹ 3 91 ⁴ 90 91 91 91 91 91 91 91 91 91 91 91 91 91
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15256_HEKLA Efficiency Peak intensity LEDs/each optic Light colour	55.0° / 79.0° 91 % 1.1 cd/lm 1 White I SOCKET-D EDS LUXEON CX Plus CoB L08 (Gen2) 63.0° / 92.0° 85 % 0.8 cd/lm 1 White I White I SOCKET-D	900 30 ¹ 12 ⁰ 25 ¹ X
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15256_HEKLA COMPARENT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	55.0° / 79.0° 91 % 1.1 cd/lm 1 White I SOCKET-D EDS LUXEON CX Plus CoB L08 (Gen2) 63.0° / 92.0° 85 % 0.8 cd/lm 1 White I White I SOCKET-D	900 30 ¹ 12 ⁰ 25 ¹ X



MUMIL 🥙	EDS	39*
LED	LUXEON CX Plus CoB - HD S01H4	
FWHM / FWTM	50.0° / 77.0°	75*
Efficiency	89 %	
Peak intensity	1.3 cd/lm	
LEDs/each optic	1	
Light colour	White	er er
Required compone	ents:	
Bender Wirth: 63		
		30
	EDC	125 ⁴ d ⁴ 25 ⁴
M LUMIL	EDS	30 ¹ 30 ¹
LED	LUXEON CX Plus CoB - HD S02H6	75
FWHM / FWTM	51.0° / 77.0°	
Efficiency	89 %	60
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	
Light colour	White	gr 65
Required compone		
Bender Wirth: 63	34c Hekla	
		200 ver 100 ver
UMIL	.EDS	90 ¹
	LUXEON CX Plus CoB - HD S04H9	
		50° 50°
LED	LUXEON CX Plus CoB - HD S04H9	
LED FWHM / FWTM	LUXEON CX Plus CoB - HD S04H9 53.0° / 80.0°	
LED FWHM / FWTM Efficiency	LUXEON CX Plus CoB - HD S04H9 53.0° / 80.0° 88 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CX Plus CoB - HD S04H9 53.0° / 80.0° 88 % 1.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON CX Plus CoB - HD S04H9 53.0° / 80.0° 88 % 1.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CX Plus CoB - HD S04H9 53.0° / 80.0° 88 % 1.1 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON CX Plus CoB - HD S04H9 53.0° / 80.0° 88 % 1.1 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON CX Plus CoB - HD S04H9 53.0° / 80.0° 88 % 1.1 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63	LUXEON CX Plus CoB - HD S04H9 53.0° / 80.0° 88 % 1.1 cd/lm 1 White I 34c Hekla	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63	LUXEON CX Plus CoB - HD S04H9 53.0° / 80.0° 88 % 1.1 cd/lm 1 White Ints: 34c Hekla	107 100 107
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63	LUXEON CX Plus CoB - HD S04H9 53.0° / 80.0° 88 % 1.1 cd/lm 1 White Ints: 34c Hekla	157 - 150 - 157
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63	LUXEON CX Plus CoB - HD S04H9 53.0° / 80.0° 88 % 1.1 cd/lm 1 White Ints: 34c Hekla LUXEON CX Plus CoB L04 / L05 (Gen2) 57.0° / 85.0°	157 - 150 - 157
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63	LUXEON CX Plus CoB - HD S04H9 53.0° / 80.0° 88 % 1.1 cd/lm 1 White Ints: 34c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 57.0° / 85.0° 87 %	157 - 150 - 157
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63	LUXEON CX Plus CoB - HD S04H9 53.0° / 80.0° 88 % 1.1 cd/lm 1 White mts: 34c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 57.0° / 85.0° 87 % 1 cd/lm	107 100 107
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63 Weak Intensity LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON CX Plus CoB - HD S04H9 53.0° / 80.0° 88 % 1.1 cd/lm 1 White mts: 34c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 57.0° / 85.0° 87 % 1 cd/lm 1	107 100 107
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 - HD S04H9 53.0° / 80.0° 88 % 1.1 cd/lm 1 White mts: 34c Hekla EDS LUXEON CX Plus CoB L04 / L05 (Gen2) 57.0° / 85.0° 87 % 1 cd/lm 1 White	107 100 107
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 - HD S04H9 53.0° / 80.0° 88 % 1.1 cd/lm 1 White white S4c Hekla LUXEON CX Plus CoB L04 / L05 (Gen2) 57.0° / 85.0° 87 % 1 cd/lm 1 White white ints:	107 100 107
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63 COMPLE Email Compose Bender Wirth: 63 COMPLE Email Compose FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CX Plus CoB - HD S04H9 53.0° / 80.0° 88 % 1.1 cd/lm 1 White white S4c Hekla LUXEON CX Plus CoB L04 / L05 (Gen2) 57.0° / 85.0° 87 % 1 cd/lm 1 White white ints:	107 100 107
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63 COMPART LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON CX Plus CoB - HD S04H9 53.0° / 80.0° 88 % 1.1 cd/lm 1 White white S4c Hekla LUXEON CX Plus CoB L04 / L05 (Gen2) 57.0° / 85.0° 87 % 1 cd/lm 1 White white ints:	107 100 107



🤭 LUMIL	.EDS	90°
LED	LUXEON CX Plus CoB M02 / M03 (Gen2)	
FWHM / FWTM	52.0° / 79.0°	
Efficiency	88 %	
Peak intensity	1.1 cd/lm	
LEDs/each optic	1	
Light colour	White	gi
Required compone	ents:	
Bender Wirth: 6		
		30* 1220
A		721 % (721
	.EDS	90*
LED	LUXEON CX Plus CoB S01 (Gen2)	
FWHM / FWTM	50.0° / 76.0°	
Efficiency	89 %	60%
Peak intensity	1.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
Bender Wirth: 6	34c Hekla	
		200
	.EDS	92°
LUMIL LED FWHM / FWTM	EDS LUXEON Fusion 21-up (20x24) 48.0° / 73.0°	
LED	LUXEON Fusion 21-up (20x24)	
LED FWHM / FWTM Efficiency	LUXEON Fusion 21-up (20x24) 48.0° / 73.0°	91 191 191
LED FWHM / FWTM Efficiency Peak intensity	LUXEON Fusion 21-up (20x24) 48.0° / 73.0° 88 %	gr and a second se
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON Fusion 21-up (20x24) 48.0° / 73.0° 88 % 1.3 cd/lm	9 . 00
LED FWHM / FWTM Efficiency Peak intensity	LUXEON Fusion 21-up (20x24) 48.0° / 73.0° 88 % 1.3 cd/lm 21 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON Fusion 21-up (20x24) 48.0° / 73.0° 88 % 1.3 cd/lm 21 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compose	LUXEON Fusion 21-up (20x24) 48.0° / 73.0° 88 % 1.3 cd/lm 21 White ents: A-SOCKET-K	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA	LUXEON Fusion 21-up (20x24) 48.0° / 73.0° 88 % 1.3 cd/lm 21 White ents: A-SOCKET-K	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA	LUXEON Fusion 21-up (20x24) 48.0° / 73.0° 88 % 1.3 cd/lm 21 White ents: A-SOCKET-K 42 Typ L8	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ Bender Wirth: 4	LUXEON Fusion 21-up (20x24) 48.0° / 73.0° 88 % 1.3 cd/lm 21 White ents: A-SOCKET-K 42 Typ L8	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ Bender Wirth: 4	LUXEON Fusion 21-up (20x24) 48.0° / 73.0° 88 % 1.3 cd/lm 21 White ents: A-SOCKET-K 42 Typ L8 INUS CxM-11 (19x19)	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ Bender Wirth: 4	LUXEON Fusion 21-up (20x24) 48.0° / 73.0° 88 % 1.3 cd/lm 21 White ents: A-SOCKET-K 42 Typ L8	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ Bender Wirth: 4	LUXEON Fusion 21-up (20x24) 48.0° / 73.0° 88 % 1.3 cd/lm 21 White ents: A-SOCKET-K 42 Typ L8 INUS CxM-11 (19x19) 60.0° / 83.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ Bender Wirth: 4	LUXEON Fusion 21-up (20x24) 48.0° / 73.0° 88 % 1.3 cd/lm 21 White ents: A-SOCKET-K 42 Typ L8 INUS CxM-11 (19x19) 60.0° / 83.0° 88 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ Bender Wirth: 4	LUXEON Fusion 21-up (20x24) 48.0° / 73.0° 88 % 1.3 cd/lm 21 White ents: A-SOCKET-K 42 Typ L8 INUS CxM-11 (19x19) 60.0° / 83.0° 88 % 0.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ Bender Wirth: 4	LUXEON Fusion 21-up (20x24) 48.0° / 73.0° 88 % 1.3 cd/lm 21 White ents: A-SOCKET-K 42 Typ L8 INUS CxM-11 (19x19) 60.0° / 83.0° 88 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ Bender Wirth: 4	LUXEON Fusion 21-up (20x24) 48.0° / 73.0° 88 % 1.3 cd/lm 21 White ents: A-SOCKET-K 42 Typ L8 INUS CxM-11 (19x19) 60.0° / 83.0° 88 % 0.9 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ Bender Wirth: 4	LUXEON Fusion 21-up (20x24) 48.0° / 73.0° 88 % 1.3 cd/lm 21 White ents: A-SOCKET-K 42 Typ L8 INUS CxM-11 (19x19) 60.0° / 83.0° 88 % 0.9 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ Bender Wirth: 4	LUXEON Fusion 21-up (20x24) 48.0° / 73.0° 88 % 1.3 cd/lm 21 White ents: A-SOCKET-K 42 Typ L8 INUS CxM-11 (19x19) 60.0° / 83.0° 88 % 0.9 cd/lm 1 White ents:	



PRODUCT DATASHEET CP16939_CARMEN-W-C-WHT

(co				4	
(Calum	INUS			90*	90*
LED	CXM-3			75*	75"
FWHM / FWTM	53.0° / 74.0°				$\sqrt{7}$
Efficiency	95 %			60* 400	
Peak intensity	1.3 cd/lm				$\langle \langle \rangle \rangle$
LEDs/each optic	1				
Light colour	White			5 ² 000	45*
Required compone					
F15255_HEKLA	A-SOCKET-C				
				1230	
				30° 15° 0°	17.0
() LUM	INUS			90*	50°
LED	CXM-4				
FWHM / FWTM	52.0° / 74.0°			75°	
Efficiency	92 %		1.00		
Peak intensity	1.3 cd/lm			60°	60,
LEDs/each optic	1			$\mid \times / \mid$	
Light colour	White			5°	434
Required compone					
F15255_HEKLA					
				1200	
				15" 0"	15°
SAMSI	UNG			90*	30°
				90 ⁺	30,
	UNG LC010T (Tunable White) 52.0° / 77.0°			23 ⁻	15°
LED	LC010T (Tunable White)			13° 0°	15. 15.
LED FWHM / FWTM	LC010T (Tunable White) 52.0° / 77.0°			137 0° 90* 90 00 00 00	157
LED FWHM / FWTM Efficiency	LC010T (Tunable White) 52.0° / 77.0° 87 %			137 0°	137
LED FWHM / FWTM Efficiency Peak intensity	LC010T (Tunable White) 52.0° / 77.0° 87 % 1.2 cd/lm			82 132 132 132 132 132 132 132 132 132	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LC010T (Tunable White) 52.0° / 77.0° 87 % 1.2 cd/lm 1 Tunable White			47 47 40 40 40 40 40	137 99 90 90 90 90 90 90 90 90 90 90 90 90
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 ents:			25° 0° 99* 70° 80* 400 80* 600	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LC010T (Tunable White) 52.0° / 77.0° 87 % 1.2 cd/lm 1 Tunable White ents: A-SOCKET-K			137 0° 90* 92 92 92 92 92 90* 90* 90* 90* 90* 90* 90* 90* 90* 90*	
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: A-SOCKET-K			137 0° 90° 177 000 197 0000 197 000 197 000 197 000 197 000 197 000 197 000 197 000	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ Bender Wirth: 5	LC010T (Tunable White) 52.0° / 77.0° 87 % 1.2 cd/lm 1 Tunable White ents: A-SOCKET-K 01 Typ L8			22 62* 600 9* 600	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ Bender Wirth: 5	LC010T (Tunable White) 52.0° / 77.0° 87 % 1.2 cd/lm 1 Tunable White ents: A-SOCKET-K 01 Typ L8			77 80 80 10 10 10 10 10 10 10 10 10 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ Bender Wirth: 5	LC010T (Tunable White) 52.0° / 77.0° 87 % 1.2 cd/lm 1 Tunable White ents: A-SOCKET-K 01 Typ L8			77 80 80 10 10 10 10 10 10 10 10 10 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ Bender Wirth: 5	LC010T (Tunable White) 52.0° / 77.0° 87 % 1.2 cd/lm 1 Tunable White ents: A-SOCKET-K 01 Typ L8			77 80 80 10 10 10 10 10 10 10 10 10 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 5	LC010T (Tunable White) 52.0° / 77.0° 87 % 1.2 cd/lm 1 Tunable White ents: A-SOCKET-K 01 Typ L8 XOB 6 mm 54.0° / 76.0° 91 %			77 80 80 10 10 10 10 10 10 10 10 10 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ Bender Wirth: 5 XICATC LED FWHM / FWTM Efficiency Peak intensity	LC010T (Tunable White) 52.0° / 77.0° 87 % 1.2 cd/lm 1 Tunable White ents: A-SOCKET-K 01 Typ L8 XOB 6 mm 54.0° / 76.0° 91 % 1.2 cd/lm			77 80 80 10 10 10 10 10 10 10 10 10 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ Bender Wirth: 5 XICATC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LC010T (Tunable White) 52.0° / 77.0° 87 % 1.2 cd/lm 1 Tunable White ents: A-SOCKET-K 01 Typ L8 XOB 6 mm 54.0° / 76.0° 91 % 1.2 cd/lm 1			77 80 80 10 10 10 10 10 10 10 10 10 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ Bender Wirth: 5 XICATC 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 ents: A-SOCKET-K 01 Typ L8 XOB 6 mm 54.0° / 76.0° 91 % 1.2 cd/lm 1 White			77 60 60 70 70 70 70 70 70 70 70 70 70 70 70 70	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ Bender Wirth: 5 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 ents: A-SOCKET-K 01 Typ L8 XOB 6 mm 54.0° / 76.0° 91 % 1.2 cd/lm 1 White ents:			77 60 60 70 70 70 70 70 70 70 70 70 70 70 70 70	137 99 99 99 90 90 90 90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ Bender Wirth: 5 XICATC 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 ents: A-SOCKET-K 01 Typ L8 XOB 6 mm 54.0° / 76.0° 91 % 1.2 cd/lm 1 White ents:			77 60 60 70 70 70 70 70 70 70 70 70 70 70 70 70	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL/ Bender Wirth: 5 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 ents: A-SOCKET-K 01 Typ L8 XOB 6 mm 54.0° / 76.0° 91 % 1.2 cd/lm 1 White ents:			77 60 60 70 70 70 70 70 70 70 70 70 70 70 70 70	



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°



OPTICAL RESULTS (SIMULATED):

CITIZEN	J	90 ⁴
LED	CLL02x/CLU02x (LES10)	
FWHM / FWTM	54.0° / 76.0°	
Efficiency	87 %	
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	
Light colour	White	g e
Required components	S:	
		316 2255 30
		25 ⁵ 0 ⁶ 15 ⁵
		504 50
LED	CMU15xx	
FWHM / FWTM	65.0° / 92.0°	25-
Efficiency	79 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	a a
Required components	:	
F17438_HEKLA-G	2-1	
		30" 30
TRIDON		
		90 ⁴ 99
	SLE G7 LES09	75'
FWHM / FWTM	51.0° / 76.0° 90 %	
Efficiency Peak intensity	90 % 1.4 cd/lm	
LEDs/each optic	1.4 co/im	
Light colour	White	o ^r 60 10
Required components		
F15255_HEKLA-S		
		30° / 0° 13°



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.

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LEDiL Oy

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc.

228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd. # 405 , Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

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