

PRODUCT DATASHEET CP17694\_AMY-50-S-C

## AMY-50-S-C

~18° spot beam. Assembly with holder C compatible with HEKLA sockets and connectors. Black version.

### **TECHNICAL SPECIFICATIONS:**

Dimensions	Ø 49.9 mm
Height	13 mm
Fastening	socket
ROHS compliant	yes 🛈



Colour

black

Finish

## MATERIAL SPECIFICATIONS:

Component
AMY-50-S
AMY-50-HLD-C

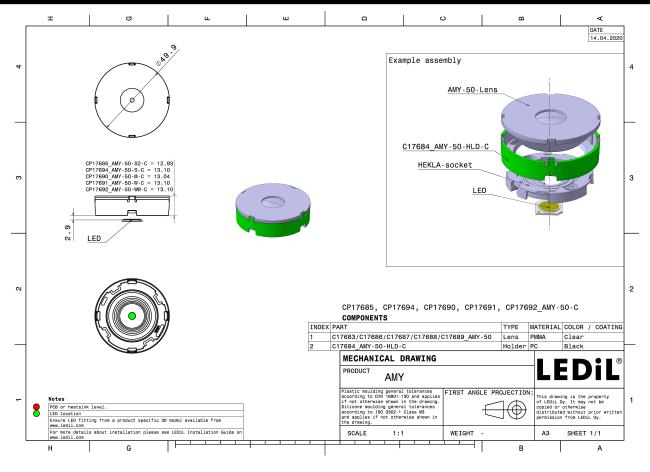
Туре	Material
Single lens	PMMA
Holder	PC

### **ORDERING INFORMATION:**

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CP17694_AMY-50-S-C	510	120	30	9.1
» Box size: 480 x 280 x 300 mm				



# PRODUCT DATASHEET CP17694\_AMY-50-S-C



See also our general installation guide: www.ledil.com/installation\_guide



bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63	
bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15253_HEKLA	
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA	



bridgelux.		90 <sup>4</sup>
LED	VERO10	
FWHM / FWTM	17.0° / 36.0°	25
Efficiency	90 %	
Peak intensity	6.7 cd/lm	6ge
LEDs/each optic	1	
Light colour	White	ar ar
Required compone		400
F15616_HEKLA		
T TOUTO_TIERE		
		600
		125, 64, 132, 36,
bridgelux.		50°
LED	Vesta DTW 13mm (21W)	
FWHM / FWTM	27.0° / 49.0°	31. 25.
Efficiency	86 %	
Peak intensity	3.1 cd/lm	
LEDs/each optic	1	
Light colour	White	gr dr
Required compone		
C16142_HEKLA		200
Bender Wirth: 4		
Bondor Wittin.		
		9 <sup>67</sup> 10 <sup>5</sup> 0 <sup>4</sup> 10 <sup>5</sup>
bridgelux.		30 <sup>4</sup> 30 <sup>5</sup>
bridgelux. LED	Vesta DTW 15mm (33W)	90 <sup>2</sup> 90 <sup>2</sup>
	Vesta DTW 15mm (33W) 24.0° / 49.0°	2 <sup>2</sup> 2 <sup>2</sup>
LED		
LED FWHM / FWTM Efficiency	24.0° / 49.0°	
LED FWHM / FWTM Efficiency Peak intensity	24.0° / 49.0° 86 %	90 <sup>4</sup> 90 <sup>3</sup> 27 <sup>2</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	24.0° / 49.0° 86 % 3.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	24.0° / 49.0° 86 % 3.5 cd/lm 1 White	60 <sup>2</sup> 60 <sup>2</sup> 60 <sup>2</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	24.0° / 49.0° 86 % 3.5 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	24.0° / 49.0° 86 % 3.5 cd/lm 1 White ents: A-SOCKET-K	57 50 60 27 50 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA	24.0° / 49.0° 86 % 3.5 cd/lm 1 White ents: A-SOCKET-K	57 50 60 27 50 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKL4 Bender Wirth: 49	24.0° / 49.0° 86 % 3.5 cd/lm 1 White ents: A-SOCKET-K	57 50 60 27 50 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 49	24.0° / 49.0° 86 % 3.5 cd/lm 1 White ents: A-SOCKET-K 91 Typ L8	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 43	24.0° / 49.0° 86 % 3.5 cd/lm 1 White ents: A-SOCKET-K 91 Typ L8	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 43 bridgelux. LED FWHM / FWTM	24.0° / 49.0° 86 % 3.5 cd/lm 1 White ents: A-SOCKET-K 91 Typ L8 Vesta TW 13mm (18W) DP 25.0° / 49.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 49 bridgeLux. LED FWHM / FWTM Efficiency	24.0° / 49.0° 86 % 3.5 cd/lm 1 White ents: A-SOCKET-K 91 Typ L8 Vesta TW 13mm (18W) DP 25.0° / 49.0° 86 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 43 bridgeLux LED FWHM / FWTM Efficiency Peak intensity	24.0° / 49.0° 86 % 3.5 cd/lm 1 White ents: A-SOCKET-K 91 Typ L8 Vesta TW 13mm (18W) DP 25.0° / 49.0° 86 % 3.3 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 49 bridgeLUX LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	24.0° / 49.0° 86 % 3.5 cd/lm 1 White ents: A-SOCKET-K 91 Typ L8 Vesta TW 13mm (18W) DP 25.0° / 49.0° 86 % 3.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 4: bridgeLUX LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	24.0° / 49.0° 86 % 3.5 cd/lm 1 White white white SOCKET-K 91 Typ L8 Vesta TW 13mm (18W) DP 25.0° / 49.0° 86 % 3.3 cd/lm 1 Tunable White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 49 bridgeLux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	24.0° / 49.0° 86 % 3.5 cd/lm 1 White ents: A-SOCKET-K 91 Typ L8 Vesta TW 13mm (18W) DP 25.0° / 49.0° 86 % 3.3 cd/lm 1 Tunable White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 49 bridgeLuX. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA	24.0° / 49.0° 86 % 3.5 cd/lm 1 White ents: A-SOCKET-K 91 Typ L8 Vesta TW 13mm (18W) DP 25.0° / 49.0° 86 % 3.3 cd/lm 1 Tunable White ents: A-SOCKET-K	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 49 bridgeLux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	24.0° / 49.0° 86 % 3.5 cd/lm 1 White ents: A-SOCKET-K 91 Typ L8 Vesta TW 13mm (18W) DP 25.0° / 49.0° 86 % 3.3 cd/lm 1 Tunable White ents: A-SOCKET-K	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA Bender Wirth: 49 bridgeLUX. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16142_HEKLA	24.0° / 49.0° 86 % 3.5 cd/lm 1 White ents: A-SOCKET-K 91 Typ L8 Vesta TW 13mm (18W) DP 25.0° / 49.0° 86 % 3.3 cd/lm 1 Tunable White ents: A-SOCKET-K	



bridgelux.		9)* 90*
LED	Vesta TW 15mm DP	
FWHM / FWTM	30.0° / 55.0°	
Efficiency	85 %	
Peak intensity	2.5 cd/lm	
LEDs/each optic	1	
Light colour	Tunable White	gr av
Required compone		
C16142_HEKLA		
Bender Wirth: 48		
		30 <sup>4</sup> 20 20 20 20 20 20 20 20 20 20 20 20 20 2
bridgelux.		90* 390
LED	Vesta TW 6mm DP	
FWHM / FWTM	13.0° / 28.0°	
Efficiency	90 %	
Peak intensity	10.8 cd/lm	54×
LEDs/each optic	1	
Light colour	Tunable White	9 <sup>4</sup> 600
Required compone		
C16142_HEKLA		
Bender Wirth: 50		100
		an 107 04 107 -
bridgelux.		9)* <b></b>
bridgelux. LED	Vesta TW 9mm (9W) DP	
	Vesta TW 9mm (9W) DP 18.0° / 36.0°	13. 13. 10. 10. 10. 10. 10. 10. 10. 10
LED	18.0° / 36.0° 88 %	80 <sup>+</sup> 80 <sup>+</sup> 80 <sup>+</sup>
LED FWHM / FWTM	18.0° / 36.0°	6 <sup>1</sup> 31 32 32 34 35 35 35 35 35 35 35 35 35 35 35 35 35
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	18.0° / 36.0° 88 %	91 <sup>4</sup> 95 <sup>7</sup> 72 61 500 500
LED FWHM / FWTM Efficiency Peak intensity	18.0° / 36.0° 88 % 6.2 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	18.0° / 36.0° 88 % 6.2 cd/lm 1 Tunable White nts:	et et
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA	18.0° / 36.0° 88 % 6.2 cd/lm 1 Tunable White nts: -SOCKET-K	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	18.0° / 36.0° 88 % 6.2 cd/lm 1 Tunable White nts: -SOCKET-K	g:
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA	18.0° / 36.0° 88 % 6.2 cd/lm 1 Tunable White nts: -SOCKET-K	g:
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA	18.0° / 36.0° 88 % 6.2 cd/lm 1 Tunable White nts: -SOCKET-K 39 Typ L8	g:
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA Bender Wirth: 48	18.0° / 36.0° 88 % 6.2 cd/lm 1 Tunable White nts: -SOCKET-K 39 Typ L8	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA Bender Wirth: 48	18.0° / 36.0° 88 % 6.2 cd/lm 1 Tunable White nts: -SOCKET-K 39 Typ L8 N CLL02x/CLU02x (LES10)	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA Bender Wirth: 48 <b>CITTIZE</b> LED FWHM / FWTM	18.0° / 36.0° 88 % 6.2 cd/lm 1 Tunable White nts: -SOCKET-K 39 Typ L8	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA Bender Wirth: 48 <b>CITTIZE</b> LED FWHM / FWTM Efficiency	18.0° / 36.0° 88 % 6.2 cd/lm 1 Tunable White nts: -SOCKET-K 39 Typ L8 N CLL02x/CLU02x (LES10) 18.0° / 36.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componee C16142_HEKLA Bender Wirth: 48 <b>CITTIZE</b> LED FWHM / FWTM Efficiency Peak intensity	18.0° / 36.0° 88 % 6.2 cd/lm 1 Tunable White nts: -SOCKET-K 39 Typ L8 N CLL02x/CLU02x (LES10) 18.0° / 36.0° 89 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA Bender Wirth: 48 <b>CITTIZE</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	18.0° / 36.0° 88 % 6.2 cd/lm 1 Tunable White nts: -SOCKET-K 39 Typ L8 <b>N</b> CLL02x/CLU02x (LES10) 18.0° / 36.0° 89 % 6.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componee C16142_HEKLA Bender Wirth: 48 <b>CITTIZE</b> LED FWHM / FWTM Efficiency Peak intensity	18.0° / 36.0° 88 % 6.2 cd/lm 1 Tunable White nts: -SOCKET-K 39 Typ L8	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA Bender Wirth: 48 <b>CITTIZEE</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	18.0° / 36.0° 88 % 6.2 cd/lm 1 Tunable White nts: -SOCKET-K 39 Typ L8	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA Bender Wirth: 48 <b>CITTIZE</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	18.0° / 36.0° 88 % 6.2 cd/lm 1 Tunable White nts: -SOCKET-K 39 Typ L8	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16142_HEKLA Bender Wirth: 48 <b>CITTIZEE</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	18.0° / 36.0° 88 % 6.2 cd/lm 1 Tunable White nts: -SOCKET-K 39 Typ L8	



CITIZE	N	90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17438_HEKLA	CLL03x/CLU03x 26.0° / 50.0° 86 % 3.1 cd/lm 1 White ints:	
CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA	CLU700/701/702 13.0° / 28.0° 90 % 11.2 cd/lm 1 White ints:	
CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA	CLU7A2 (LES 4.2mm) 10.0° / 23.0° 91 % 15.3 cd/lm 1 White ints:	
CITIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA	CLU7B2 9.0° / 22.0° 91 % 18.2 cd/lm 1 White ints:	



			90° 90°
LED	CMA1516		75
FWHM / FWTM	17.0° / 35.0°		1500
Efficiency	90 %		60.
Peak intensity	6.7 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required componen			
F17436_HEKLA	·G2-D		$\times$
			0480
			36° 38° 38° 38°
			90° <b>4</b>
LED	CMA1825		
FWHM / FWTM	23.0° / 45.0°		
Efficiency	89 %		60.5
Peak intensity	4 cd/lm		1000
LEDs/each optic	1		
Light colour	White		93* 43*
Required compone	nts:		
F15254_HEKLA	SOCKET-B		3230
			30° 15° 0° 15°
			90° A 90°
LED	CMT14xx		
LED FWHM / FWTM	CMT14xx 18.0° / 37.0°		75
			27
FWHM / FWTM	18.0° / 37.0°		6°
FWHM / FWTM Efficiency	18.0° / 37.0° 89 %		80 223 25
FWHM / FWTM Efficiency Peak intensity	18.0° / 37.0° 89 % 6.2 cd/lm		ge 500
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	18.0° / 37.0° 89 % 6.2 cd/lm 1 White		gr (100) gr
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	18.0° / 37.0° 89 % 6.2 cd/lm 1 White nts:		ge 500
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	18.0° / 37.0° 89 % 6.2 cd/lm 1 White nts:		gr (100) gr
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	18.0° / 37.0° 89 % 6.2 cd/lm 1 White nts:		5 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup>
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA	18.0° / 37.0° 89 % 6.2 cd/lm 1 White nts: G2-C		gy (20) gy (20
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F17435_HEKLA	18.0° / 37.0° 89 % 6.2 cd/lm 1 White nts: -G2-C		200 20 20 20 20 20 20 20 20 20 20 20 20
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F17435_HEKLA	18.0° / 37.0° 89 % 6.2 cd/lm 1 White nts: -G2-C CMT19xx		200 20 20 20 20 20 20 20 20 20 20 20 20
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F17435_HEKLA	18.0° / 37.0° 89 % 6.2 cd/lm 1 White hts: -G2-C CMT19xx 26.0° / 51.0°		30 30 30   31 60 30   61 50 60   62 60 60
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F17435_HEKLA-	18.0° / 37.0° 89 % 6.2 cd/lm 1 White hts: G2-C CMT19xx 26.0° / 51.0° 87 %		32 0,0 30,0   30,0 30,0 30,0   30,0 30,0 30,0   30,0 30,0 30,0   30,0 30,0 30,0   30,0 30,0 30,0   30,0 30,0 30,0   30,0 30,0 30,0   30,0 30,0 30,0
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F17435_HEKLA:	18.0° / 37.0° 89 % 6.2 cd/lm 1 White hts: -G2-C CMT19xx 26.0° / 51.0°		00 00   00 00   00 00   00 00   00 00   00 00   00 00   00 00   00 00   00 00   00 00   00 00   00 00   00 00   00 00   00 00   00 00   00 00
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component F17435_HEKLA: CREE LED ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	18.0° / 37.0° 89 % 6.2 cd/lm 1 White hts: G2-C CMT19xx 26.0° / 51.0° 87 % 3 cd/lm		30, 30, 30,   30, 30, 30,   30, 30, 30,   30, 30, 30,   30, 30, 30,   30, 30, 30,
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component F17435_HEKLA: CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	18.0° / 37.0° 89 % 6.2 cd/lm 1 White hts: G2-C CMT19xx 26.0° / 51.0° 87 % 3 cd/lm 1 White		61
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component F17435_HEKLA:	18.0° / 37.0° 89 % 6.2 cd/lm 1 White hts: G2-C CMT19xx 26.0° / 51.0° 87 % 3 cd/lm 1 White hts:		00 00   00 00   00 00   00 00   00 00   00 00   00 00   00 00   00 00   00 00   00 00   00 00   00 00   00 00   00 00   00 00   00 00   00 00
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component F17435_HEKLA: CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	18.0° / 37.0° 89 % 6.2 cd/lm 1 White hts: G2-C CMT19xx 26.0° / 51.0° 87 % 3 cd/lm 1 White hts:		
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component F17435_HEKLA:	18.0° / 37.0° 89 % 6.2 cd/lm 1 White hts: G2-C CMT19xx 26.0° / 51.0° 87 % 3 cd/lm 1 White hts:		



		90° 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component F17435_HEKLA:	CMU10xx 18.0° / 37.0° 89 % 6 cd/lm 1 White tts:	73
	]	30 <sup>1</sup> 20 <sup>1</sup> 90 <sup>1</sup> 20 <sup>1</sup> 30
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F17439_HEKLA		25
		90° 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component F17436_HEKLA:	CXA/B 15xx 15.0° / 34.0° 90 % 7.4 cd/lm 1 White tts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F17438_HEKLA:		20 <sup>1</sup> 20



ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17437_HEKLA	LUXEON CoB 1202/1203 17.0° / 35.0° 89 % 6.9 cd/lm 1 White ints:	
	EDS	50° 300
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17437_HEKLA	LUXEON CoB 1204HD 17.0° / 35.0° 89 % 6.8 cd/lm 1 White ints:	
	FDS	90 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17436_HEKLA	LUXEON CoB M02/M03 16.0° / 34.0° 90 % 7.5 cd/lm 1 White I -G2-D	
UMIL	EDS	50° A 30°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17439_HEKLA		

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LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA	CXM-3 10.0° / 22.0° 91 % 17.7 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA	CXM-4 10.0° / 24.0° 91 % 14.9 cd/lm 1 White ents:	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17437_HEKLA	COB L-Type (LES 11) 22.0° / 43.0° 88 % 4.4 cd/lm 1 White ents:	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	COB L-Type (LES 9) 16.0° / 34.0° 89 % 7.3 cd/lm 1 White ents:	
F17437_HEKLA	-G2-H	2010 - 20



ØNICHI/	Ν	1100
LED	COB S-Type (LES 7)	1000 <b>-</b>
FWHM / FWTM	13.0° / 29.0°	999 -
Efficiency	91 %	
Peak intensity	10 cd/lm	793
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
F17437_HEKLA		<b>200</b>
		200
		inter site with white with the site with the
PHILI	-3	50°*
LED	Fortimo SLM L09 CoB	75
FWHM / FWTM	17.0° / 35.0°	
Efficiency	89 %	er la
Peak intensity	6.8 cd/lm	
LEDs/each optic	1	
Light colour	White	gr. da
Required compone		
F17437_HEKLA	A-G2-H	$\times$ / $\times$ / $\times$
		600
		24 <sup>4</sup> 25 <sup>5</sup> 0 <sup>6</sup> 15 <sup>5</sup>
SAMS	UNG	20 <sup>4</sup>
LED	LC003D / LC006D / LC009D / LC013D	
FWHM / FWTM	17.0° / 36.0°	10
Efficiency	89 %	
Peak intensity	6.3 cd/lm	
LEDs/each optic	1	
Light colour	White	g. a
Required compone	ents:	
F17435_HEKLA	A-G2-C	
		300 300
SЛМS		94* 92 <sup>*</sup> 42*
	LC016D / LC019D / LC026D / LC033D	
FWHM / FWTM	28.0° / 55.0°	
Efficiency	86 %	
Peak intensity	2.7 cd/lm	
LEDs/each optic	1 White	
Light colour	White	
Required compone		
F17438_HEKLA	4-62-1	200
		30° 0° 35° 0°



<b>S</b> ΛΜS	JNG	500 T
LED	LC030C/040C G2	1699 <b>-</b>
FWHM / FWTM	21.0° / 42.0°	100
Efficiency	88 %	<b>300</b>
Peak intensity	4.5 cd/lm	<b>300 m</b>
LEDs/each optic	1	<b>300 -</b>
Light colour	White	<b>300 a</b>
Required compone		
F17438_HEKLA		
		1000
SEOUL		The state and a
		90°
LED	MJT COB LES 14.5	73
FWHM / FWTM	28.0° / 53.0°	
Efficiency	86 %	691 · · · · · · · · · · · · · · · · · · ·
Peak intensity	2.7 cd/lm	
LEDs/each optic	1	er. 150
Light colour	White	
Required compone		
F17438_HEKLA	-G2-I	200
		30 <sup>0</sup> 15 <sup>0</sup> 0 <sup>0</sup> 25 <sup>0</sup>
SEOUL SEMICONDUCTOR		90 <sup>4</sup>
LED	MJT COB LES 6	
FWHM / FWTM	12.0° / 27.0°	
Efficiency	91 %	60 <sup>4</sup>
Peak intensity	11.9 cd/lm	
LEDs/each optic	1	(419)
	1 White	g. 500
LEDs/each optic Light colour Required compone	White	¢, an
Light colour	White nts:	
Light colour Required compone	White nts:	<b>5</b>
Light colour Required compone	White nts:	57 500 30 <sup>1</sup> 30 <sup>2</sup> 1 <u>5</u> 00 50 <sup>2</sup>
Light colour Required compone F17435_HEKLA	White nts:	<b>*</b>
Light colour Required compone F17435_HEKLA	White ints: -G2-C	20 <sup>4</sup> 13 <sup>4</sup>
Light colour Required compone F17435_HEKLA seoul semiconductor LED	White ints: -G2-C MJT COB LES 9.8	20 <sup>4</sup> 13 <sup>4</sup>
Light colour Required compone F17435_HEKLA sectors sectors semiconductor LED FWHM / FWTM	White ints: -G2-C MJT COB LES 9.8 18.0° / 37.0°	
Light colour Required compone F17435_HEKLA second semiconductor LED FWHM / FWTM Efficiency	White Ints: -G2-C MJT COB LES 9.8 18.0° / 37.0° 89 %	
Light colour Required compone F17435_HEKLA SECOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity	White Ints: -G2-C MJT COB LES 9.8 18.0° / 37.0° 89 % 6 cd/lm	
Light colour Required compone F17435_HEKLA SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	White Ints: -G2-C MJT COB LES 9.8 18.0° / 37.0° 89 % 6 cd/lm 1	
Light colour Required compone F17435_HEKLA F17435_HEKLA SECONSTRUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White Ints: -G2-C MJT COB LES 9.8 18.0° / 37.0° 89 % 6 cd/lm 1 White	
Light colour Required compone F17435_HEKLA F17435_HEKLA SECOND SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	White Ints: -G2-C MJT COB LES 9.8 18.0° / 37.0° 89 % 6 cd/lm 1 White Ints:	
Light colour Required compone F17435_HEKLA F17435_HEKLA SEQUE SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White Ints: -G2-C MJT COB LES 9.8 18.0° / 37.0° 89 % 6 cd/lm 1 White Ints:	
Light colour Required compone F17435_HEKLA F17435_HEKLA SECOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	White Ints: -G2-C MJT COB LES 9.8 18.0° / 37.0° 89 % 6 cd/lm 1 White Ints:	



LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compose F15848_HEKL/	SLE G7 LES09 16.0° / 34.0° 89 % 7 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17438_HEKL/	SLE G7 LES13 25.0° / 48.0° 87 % 3.5 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17438_HEKLA	SLE G7 LES15 27.0° / 53.0° 86 % 2.9 cd/lm 1 White ents:	



## PHOTOMETRIC DATA (SIMULATED):

bridgelux.		50°
LED	V8 Gen7	25*
FWHM / FWTM	16.0° / 34.0°	
Efficiency	89 %	60°
Peak intensity	8 cd/lm	300
LEDs/each optic	1	
Light colour	White	g;*
Required components:		$\times$
F15253_HEKLA-SOC	CKET-A	6430
		30° 30°
		15° 0° 15°
bridgelux.		90° 90°
LED	Vero SE 13	21*
FWHM / FWTM	26.0° / 44.0°	
Efficiency	81 %	60 <sup>4</sup>
Peak intensity	3.5 cd/lm	
LEDs/each optic	1	$\times$ / / $\wedge$ ×
Light colour	White	gr. 45°
Required components:		2000
C16142_HEKLA-SO	CKET-K	
		2200
		30* 30*
		15° 0° 15°
bridgelux.		90°
LED	Vesta TW 9mm (12W) CSP	50° 50°
	Vesta TW 9mm (12W) CSP 18.1° / 32.2 + 31.2°	25 Jaco 26, Jaco 26, Jaco
LED		50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity	18.1° / 32.2 + 31.2°	97 97 97 97 97 90 90 97 97 97 97 97 97 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	18.1° / 32.2 + 31.2° 81 %	75
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	18.1° / 32.2 + 31.2° 81 % 7.1 cd/lm	5°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	18.1° / 32.2 + 31.2° 81 % 7.1 cd/lm 1 White	200 27 37 37
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	18.1° / 32.2 + 31.2° 81 % 7.1 cd/lm 1 White	5°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	18.1° / 32.2 + 31.2° 81 % 7.1 cd/lm 1 White	5°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	18.1° / 32.2 + 31.2° 81 % 7.1 cd/lm 1 White	77 500 57 600 607 607 607 607
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOO	18.1° / 32.2 + 31.2° 81 % 7.1 cd/lm 1 White	25 100 15° 100 6¢ 259 65
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOO	18.1° / 32.2 + 31.2° 81 % 7.1 cd/lm 1 White	25 100 15° 100 6¢ 259 65
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	18.1° / 32.2 + 31.2° 81 % 7.1 cd/lm 1 White	30 30   31 30   32 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOC	18.1° / 32.2 + 31.2° 81 % 7.1 cd/lm 1 White CKET-K	200 25 25 25 25 25 25 25 25 25 25 25 25 25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOO	18.1° / 32.2 + 31.2° 81 % 7.1 cd/lm 1 White CKET-K CLL02x/CLU02x (LES10)	30 30   31 30   32 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOO CITTIZEN LED FWHM / FWTM	18.1° / 32.2 + 31.2° 81 % 7.1 cd/lm 1 White CKET-K CLL02x/CLU02x (LES10) 18.1° / 33.2 + 34.2°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOO <b>CITTIZEN</b> LED FWHM / FWTM Efficiency	18.1° / 32.2 + 31.2° 81 % 7.1 cd/lm 1 White CKET-K CLL02x/CLU02x (LES10) 18.1° / 33.2 + 34.2° 87 %	30 30   31 30   32 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOO CITTIZEN LED FWHM / FWTM Efficiency Peak intensity	18.1° / 32.2 + 31.2° 81 % 7.1 cd/lm 1 White CKET-K CLL02x/CLU02x (LES10) 18.1° / 33.2 + 34.2° 87 % 6.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOO CITTIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	18.1° / 32.2 + 31.2° 81 % 7.1 cd/lm 1 White CKET-K CLL02x/CLU02x (LES10) 18.1° / 33.2 + 34.2° 87 % 6.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOO CITTIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	18.1° / 32.2 + 31.2° 81 % 7.1 cd/lm 1 White CKET-K CLL02x/CLU02x (LES10) 18.1° / 33.2 + 34.2° 87 % 6.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOO <b>CITTIZEN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	18.1° / 32.2 + 31.2° 81 % 7.1 cd/lm 1 White CKET-K CLL02x/CLU02x (LES10) 18.1° / 33.2 + 34.2° 87 % 6.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOO <b>CITTIZEN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	18.1° / 32.2 + 31.2° 81 % 7.1 cd/lm 1 White CKET-K CLL02x/CLU02x (LES10) 18.1° / 33.2 + 34.2° 87 % 6.8 cd/lm 1 White	



## PHOTOMETRIC DATA (SIMULATED):

OTTATI		шни т
CITIZEN		II 000
LED	CLU700/701/702	1000
FWHM / FWTM	11.3° / 22.1°	12000 -
Efficiency	91 %	11999
Peak intensity	15 cd/lm	10000
LEDs/each optic	1	1000
Light colour	White	7009
Required components:		6000
F15255_HEKLA-SO	CKET-C	4000
		2000
		1999
		-126.4' -112.5' -91.4' -47.4' -46.4' -22.4' 6.4' 22.4' 46.4' 67.5' 91.4' 122.5' 136.4
CITIZEN		90°
LED	CLU710/711	
EED FWHM / FWTM	16.1° / 30.2°	75
Efficiency	89 %	
Peak intensity	8.7 cd/lm	60° 50°
LEDs/each optic	1	
Light colour	White	42*
Required components:	White	
F15859_HEKLA-SO		6430
113033_HEREA-000		
		$\times$ / $\vee$ $\times$
		36° 34° 34°
	DS	90° 90°
		90 <sup>4</sup>
LED	LUXEON CoB 1202/1203	39. 39.
LED FWHM / FWTM	LUXEON CoB 1202/1203 16.1° / 30.2°	39 <sup>4</sup> 39 <sup>7</sup>
LED FWHM / FWTM Efficiency	LUXEON CoB 1202/1203 16.1° / 30.2° 88 %	60 <sup>4</sup> 320 50 <sup>4</sup> 50 <sup>5</sup>
LED FWHM / FWTM Efficiency Peak intensity	LUXEON CoB 1202/1203 16.1° / 30.2° 88 % 8.2 cd/lm	81 10 10 10 10 10 10 10 10 10 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON CoB 1202/1203 16.1° / 30.2° 88 % 8.2 cd/lm 1	91 <sup>4</sup> 91 <sup>4</sup> 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CoB 1202/1203 16.1° / 30.2° 88 % 8.2 cd/lm	90 <sup>4</sup> 97 97 97 97 97 97 97 97 97 97 97 97 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CoB 1202/1203 16.1° / 30.2° 88 % 8.2 cd/lm 1 White	50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CoB 1202/1203 16.1° / 30.2° 88 % 8.2 cd/lm 1 White	97 97 97 97 97 97 97 97 97 97 97 97 97 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CoB 1202/1203 16.1° / 30.2° 88 % 8.2 cd/lm 1 White	97 <sup>1</sup> 97 97 97 98 98 98 98 98 98 98 98 98 98 98 98 98
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15858_HEKLA-SOG	LUXEON CoB 1202/1203 16.1° / 30.2° 88 % 8.2 cd/lm 1 White CKET-H	50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15858_HEKLA-SOG	LUXEON CoB 1202/1203 16.1° / 30.2° 88 % 8.2 cd/lm 1 White CKET-H	99° 99° 99° 99° 99° 99° 99° 99° 99° 99°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CoB 1202/1203 16.1° / 30.2° 88 % 8.2 cd/lm 1 White CKET-H	30 0 <sup>4</sup> 10 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15858_HEKLA-SOO	LUXEON CoB 1202/1203 16.1° / 30.2° 88 % 8.2 cd/lm 1 White CKET-H <b>IG</b> LC003D / LC006D / LC009D / LC013D	30 0 <sup>4</sup> 10 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15858_HEKLA-SOO SAMSUN LED FWHM / FWTM	LUXEON CoB 1202/1203 16.1° / 30.2° 88 % 8.2 cd/lm 1 White CKET-H	30 0 <sup>4</sup> 10 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15858_HEKLA-SOO SAMSUN LED FWHM / FWTM Efficiency	LUXEON CoB 1202/1203 16.1° / 30.2° 88 % 8.2 cd/lm 1 White CKET-H <b>IG</b> LC003D / LC006D / LC009D / LC013D 16.1° / 32.2°	60° 30° 30° 30° 30° 50° 50° 50° 50° 50° 50° 50° 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15858_HEKLA-SOO SAMSUN LED FWHM / FWTM Efficiency Peak intensity	LUXEON CoB 1202/1203 16.1° / 30.2° 88 % 8.2 cd/lm 1 White CKET-H <b>IG</b> LC003D / LC006D / LC013D 16.1° / 32.2° 87 %	30, 10, 15, 30,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15858_HEKLA-SOO SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON CoB 1202/1203 16.1° / 30.2° 88 % 8.2 cd/lm 1 White CKET-H SCE LC003D / LC006D / LC009D / LC013D 16.1° / 32.2° 87 % 7.4 cd/lm 1	99 <sup>4</sup> 99 <sup>4</sup> 500 500 500 500 500 500 500 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15858_HEKLA-SOO SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CoB 1202/1203 16.1° / 30.2° 88 % 8.2 cd/lm 1 White CKET-H <b>VG</b> LC003D / LC006D / LC009D / LC013D 16.1° / 32.2° 87 % 7.4 cd/lm	60° 30° 30° 30° 30° 50° 50° 50° 50° 50° 50° 50° 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15858_HEKLA-SOO <b>SAMSSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CoB 1202/1203 16.1° / 30.2° 88 % 8.2 cd/lm 1 White CKET-H <b>VG</b> LC003D / LC006D / LC009D / LC013D 16.1° / 32.2° 87 % 7.4 cd/lm 1 White	80°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15858_HEKLA-SOO SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CoB 1202/1203 16.1° / 30.2° 88 % 8.2 cd/lm 1 White CKET-H <b>VG</b> LC003D / LC006D / LC009D / LC013D 16.1° / 32.2° 87 % 7.4 cd/lm 1 White	80° 90° 90° 90° 90° 90° 90° 90° 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F15858_HEKLA-SOO <b>SAMSSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CoB 1202/1203 16.1° / 30.2° 88 % 8.2 cd/lm 1 White CKET-H <b>VG</b> LC003D / LC006D / LC009D / LC013D 16.1° / 32.2° 87 % 7.4 cd/lm 1 White	5° 600 6° 5° 600 6° 50° 5° 5°



#### **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.

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