

# AMY-110-W-C

~36° wide beam. Assembly with holder C compatible with LEDiL HEKLA. Black version.

#### **SPECIFICATION:**

Dimensions	Ø 109.7 mm
Height	23.6 mm
ROHS compliant	yes 🛈



#### **MATERIALS:**

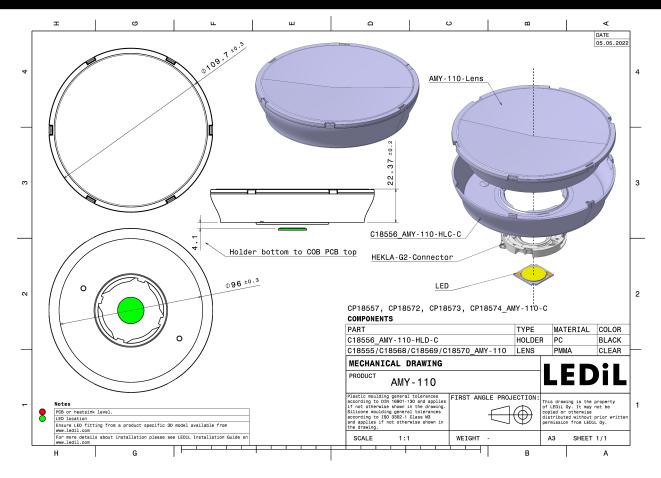
Component	Туре	Material	Colour	Finish
AMY-110-W	Single lens	PMMA	clear	
AMY-110-HLD-C	Holder C	PC	black	

### **ORDERING INFORMATION:**

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CP18573_AMY-110-W-C	77	77	7	8.6
» Box size: 480 x 280 x 300 mm				

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# PRODUCT DATASHEET CP18573\_AMY-110-W-C



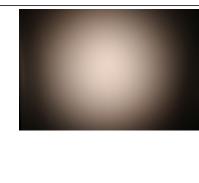
See also our general installation guide: <u>www.ledil.com/installation\_guide</u>

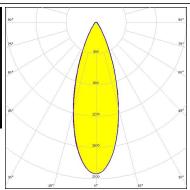


## **OPTICAL RESULTS (MEASURED):**

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LED	CTM-14 (Tunable White) Gen2
FWHM / FWTM	35.0° / 63.5°
Efficiency	88 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	Tunable White
Required componen	ts:
C16142_HEKLA-	SOCKET-K
Bender Wirth: 442	2 Typ L8







bridgeluk. LED V10 Gen 8 FWHM / FWTM 36.0° / 58.0° Efficiency 92 % Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C	99* 25* 60*
FWHM / FWTM     36.0° / 58.0°       Efficiency     92 %       Peak intensity     2.3 cd/lm       LEDs/each optic     1       Light colour     White       Required components:     ***	65,
FWHM / FWTM     36.0° / 58.0°       Efficiency     92 %       Peak intensity     2.3 cd/lm       LEDs/each optic     1       Light colour     White       Required components:     ***	5°
Peak intensity     2.3 cd/lm       LEDs/each optic     1       Light colour     White       Required components:     ***	50°
Peak intensity     2.3 cd/lm       LEDs/each optic     1       Light colour     White       Required components:     ***	6°
LEDs/each optic 1 Light colour White Required components:	
Light colour White Tequired components:	65*
Required components:	
	$\langle   \rangle$
	$\sim$
	$\sim$
200 200 200 0 <sup>1</sup> 25 <sup>1</sup>	30*
bridgelux.	90°
LED V11 HD Gen 8	
FWHM / FWTM 36.0° / 58.0 + 59.0°	75*
Efficiency 92%	
Peak intensity 2.3 cd/lm	60*
LEDs/each optic 1	
Light colour White	45*
Required components:	$\langle   \rangle$
F15859_HEKLA-SOCKET-I	$\langle \rangle$
	$\backslash$
	1
30° 200 25° 0 <sup>0</sup> 25°	36.
bridgelux.	90*
LED V13 Gen 8	
25°	- 25*
FWHM / FWTM 36.0° / 63.0°	25
FWHM / FWTM         36.0° / 63.0°           Efficiency         90 %	84
FWHM / FWTM     36.0° / 63.0°       Efficiency     90 %       Peak intensity     2 cd/lm	
FWHM / FWTM     36.0° / 63.0°       Efficiency     90 %       Peak intensity     2 cd/lm       LEDs/each optic     1	
FWHM / FWTM     36.0° / 63.0°       Efficiency     90 %       Peak intensity     2 cd/lm       LEDs/each optic     1       Light colour     White	5°.
FWHM / FWTM       36.0° / 63.0°         Efficiency       90 %         Peak intensity       2 cd/lm         LEDs/each optic       1         Light colour       White         Required components:       •••	60°
FWHM / FWTM     36.0° / 63.0°       Efficiency     90 %       Peak intensity     2 cd/lm       LEDs/each optic     1       Light colour     White	6°.
FWHM / FWTM       36.0° / 63.0°         Efficiency       90 %         Peak intensity       2 cd/lm         LEDs/each optic       1         Light colour       White         Required components:       •••	82°
FWHM / FWTM       36.0° / 63.0°         Efficiency       90 %         Peak intensity       2 cd/lm         LEDs/each optic       1         Light colour       White         Required components:       •••	
FWHM / FWTM       36.0° / 63.0°         Efficiency       90 %         Peak intensity       2 cd/lm         LEDs/each optic       1         Light colour       White         Required components:       F15859_HEKLA-SOCKET-I	10 10 10 10 10 10 10 10 10 10 10 10 10 1
FWHM / FWTM       36.0° / 63.0°         Efficiency       90 %         Peak intensity       2 cd/lm         LEDs/each optic       1         Light colour       White         Required components:       F15859_HEKLA-SOCKET-I         bridgeLux.       Image: Component state of the	8 6 6
FWHM / FWTM       36.0° / 63.0°         Efficiency       90 %         Peak intensity       2 cd/lm         LEDs/each optic       1         Light colour       White         Required components:       F15859_HEKLA-SOCKET-I         bridgeLux.       LED         LED       V18 Gen 8         EWHM / EWTM       36.0° / 71.0°	100 - 100 -
FWHM / FWTM       36.0° / 63.0°         Efficiency       90 %         Peak intensity       2 cd/lm         LEDs/each optic       1         Light colour       White         Required components:       F15859_HEKLA-SOCKET-1         bridgeLx.	
FWHM / FWTM       36.0° / 63.0°         Efficiency       90 %         Peak intensity       2 cd/lm         LEDs/each optic       1         Light colour       White         Required components:       F15859_HEKLA-SOCKET-I         F15859_HEKLA-SOCKET-I       20         bridgelux       20         LED       V18 Gen 8         FWHM / FWTM       36.0° / 71.0°         Efficiency       84 %	100 - 100 -
FWHM / FWTM       36.0° / 63.0°         Efficiency       90 %         Peak intensity       2 cd/lm         LEDs/each optic       1         Light colour       White         Required components:       F15859_HEKLA-SOCKET-I         F15859_HEKLA-SOCKET-I       0000         bridgetuk       0000         LED       V18 Gen 8         FWHM / FWTM       36.0° / 71.0°         Efficiency       84 %         Peak intensity       1.6 cd/lm	100 - 100 -
FWHM / FWTM       36.0° / 63.0°         Efficiency       90 %         Peak intensity       2 cd/lm         LEDs/each optic       1         Light colour       White         Required components:       F15859_HEKLA-SOCKET-1         bridgelux.       Image: Colour of the second sec	
FWHM / FWTM       36.0° / 63.0°         Efficiency       90 %         Peak intensity       2 cd/lm         LEDs/each optic       1         Light colour       White         Required components:       F15859_HEKLA-SOCKET-I         bridgetux.       Image: Component State Sta	- Contraction of the second se
FWHM / FWTM       36.0° / 63.0°         Efficiency       90 %         Peak intensity       2 cd/lm         LEDs/each optic       1         Light colour       White         Required components:       F15859_HEKLA-SOCKET-I         bridgeLux.         LED       V18 Gen 8         FWHM / FWTM       36.0° / 71.0°         Efficiency       84 %         Peak intensity       1.6 cd/lm         LEDs/each optic       1         Light colour       White         Required components:       """"""""""""""""""""""""""""""""""""	- Contraction of the second se
FWHM / FWTM       36.0° / 63.0°         Efficiency       90 %         Peak intensity       2 cd/lm         LEDs/each optic       1         Light colour       White         Required components:       F15859_HEKLA-SOCKET-I         bridgeLix         LED       V18 Gen 8         FWHM / FWTM       36.0° / 71.0°         Efficiency       84 %         Peak intensity       1.6 cd/lm         LEDs/each optic       1         Light colour       White         Required components:       1         LED       V18 Gen 8         FWHM / FWTM       36.0° / 71.0°         Efficiency       84 %         Peak intensity       1.6 cd/lm         LEDs/each optic       1         Light colour       White         Required components:       0         C16142_HEKLA-SOCKET-K       0	- Contraction of the second se
FWHM / FWTM       36.0° / 63.0°         Efficiency       90 %         Peak intensity       2 cd/lm         LEDs/each optic       1         Light colour       White         Required components:       F15859_HEKLA-SOCKET-I         bridgeLux.         LED       V18 Gen 8         FWHM / FWTM       36.0° / 71.0°         Efficiency       84 %         Peak intensity       1.6 cd/lm         LEDs/each optic       1         Light colour       White         Required components:       """"""""""""""""""""""""""""""""""""	- Contraction of the second se



bridgelux.		90* 90*
LED	V8 Gen 8	75*
FWHM / FWTM	36.0° / 55.0°	
Efficiency	92 %	60°
Peak intensity	2.5 cd/lm	[
LEDs/each optic	1	
Light colour	White	92 <sup>2</sup> 45°
Required components:		
F15253_HEKLA-SOC	CKET-A	
		30-
		( 10 <sup>9</sup> ) 0 <sup>6</sup> 10 <sup>5</sup>
bridgelux.		90* 90*
LED	V9 HD Gen 8	75°
FWHM / FWTM	36.0 + 35.0° / 55.0°	$\Lambda \longrightarrow \square \longrightarrow \square$
Efficiency	92 %	60°
Peak intensity	2.5 cd/lm	$[ \lor / ] \land \lor ]$
LEDs/each optic	1	
Light colour	White	45° 45°
Required components:		
F15859_HEKLA-SOC	CKET-I	
		aus
		364 364
		15° 0° 15°
$\sim$		· · · · · · · · · · · · · · · · · · ·
bridgelux.		50* 90*
LED	Vero SE 10	97 - 97 97
	38.0° / 62.0°	50°
LED		50° 50° 50°
LED FWHM / FWTM	38.0° / 62.0°	99° 99° 99° 99° 99° 99°
LED FWHM / FWTM Efficiency	38.0° / 62.0° 92 %	59°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	38.0° / 62.0° 92 % 2 cd/lm	9° 9° 9° 9° 9° 9° 9° 9° 9°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	38.0° / 62.0° 92 % 2 cd/lm 1 White	5 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	38.0° / 62.0° 92 % 2 cd/lm 1 White	61 61 62 63 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	38.0° / 62.0° 92 % 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:	38.0° / 62.0° 92 % 2 cd/lm 1 White	97 97 97 97 90 90 90 90 90 90 90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOC	38.0° / 62.0° 92 % 2 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	38.0° / 62.0° 92 % 2 cd/lm 1 White CKET-K	30,         30,           30,         12,         0,           30,         10,         0,           40,         10,         0,           60,         0,         0,           12,         0,         0,           13,         26,         26,           26,         36,         36,           36,         36,         36,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOG	38.0° / 62.0° 92 % 2 cd/lm 1 White CKET-K	90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOO	38.0° / 62.0° 92 % 2 cd/lm 1 White CKET-K	27 29 29 29 29 29 29 29 29 29 29
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOO bridgeLux. LED FWHM / FWTM Efficiency	38.0° / 62.0° 92 % 2 cd/lm 1 White CKET-K Vero SE 29 40.0° / 83.0° 77 %	50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOO bridgelux. LED FWHM / FWTM Efficiency Peak intensity	38.0° / 62.0° 92 % 2 cd/lm 1 White CKET-K	50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOO bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	38.0° / 62.0° 92 % 2 cd/lm 1 White CKET-K Vero SE 29 40.0° / 83.0° 77 % 1.1 cd/lm 1	50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOO bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	38.0° / 62.0° 92 % 2 cd/lm 1 White CKET-K Vero SE 29 40.0° / 83.0° 77 % 1.1 cd/lm	50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOO bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	38.0° / 62.0° 92 % 2 cd/lm 1 White CKET-K Vero SE 29 40.0° / 83.0° 77 % 1.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOO bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	38.0° / 62.0° 92 % 2 cd/lm 1 White CKET-K Vero SE 29 40.0° / 83.0° 77 % 1.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOO bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	38.0° / 62.0° 92 % 2 cd/lm 1 White CKET-K Vero SE 29 40.0° / 83.0° 77 % 1.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOO bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	38.0° / 62.0° 92 % 2 cd/lm 1 White CKET-K Vero SE 29 40.0° / 83.0° 77 % 1.1 cd/lm 1	



bridgelux.		50 <sup>4</sup>
LED	VERO18	75.
FWHM / FWTM	38.0 + 36.0° / 72.0 + 73.0°	400
Efficiency	89 %	60°
Peak intensity	1.7 cd/lm	
LEDs/each optic	1	
Light colour	White	a, a.
Required components:		1220
C16142_HEKLA-SO	CKET-K	
		36* 36*
bridgelux.		90* 90*
LED	Vesta DTW 13mm (21W)	75*
FWHM / FWTM	36.0° / 54.0°	
Efficiency	93 %	600
Peak intensity	2.5 cd/lm	
LEDs/each optic	1	
Light colour	White	43° 45°
Required components:		
Bender Wirth: 632b H	lekla XL	
1		
		15 00 15
bridgelux.		<u>222</u> 04 <u>152</u> <u>204</u>
LED	Vesta DTW 15mm (33W)	35. 96, 720, 64, 752, 720, 64, 752, 720, 64, 752, 720, 720, 720, 720, 720, 720, 720, 720,
LED FWHM / FWTM	37.0 + 36.0° / 63.0°	30.         30.           30.         50.           30.         50.
LED	37.0 + 36.0° / 63.0° 90 %	64. 25. 26. 26. 26. 26. 27. 26. 27. 26. 27. 26. 27. 26. 27. 26. 26. 27. 26. 26. 26. 27. 26. 26. 26. 26. 26. 26. 27. 26. 26. 27. 26. 27. 26. 27. 26. 27. 27. 27. 27. 27. 27. 27. 27. 27. 27
LED FWHM / FWTM Efficiency Peak intensity	37.0 + 36.0° / 63.0°	337         0°         30°           9°         9°         9°           9°         90°         9°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	37.0 + 36.0° / 63.0° 90 % 2 cd/lm 1	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	37.0 + 36.0° / 63.0° 90 % 2 cd/lm	g 137 147 157 157 157 157 157 157 157 15
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	37.0 + 36.0° / 63.0° 90 % 2 cd/lm 1 White	g g g 13 15 0 15 0 15 15 15 15 15 15 15 15 15 15
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	37.0 + 36.0° / 63.0° 90 % 2 cd/lm 1 White	64         109           109         10°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	37.0 + 36.0° / 63.0° 90 % 2 cd/lm 1 White	30         30           31         0           32         0           35         0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	37.0 + 36.0° / 63.0° 90 % 2 cd/lm 1 White	137         0°         10°           9°         9°         9°           9°         90°         9°           9°         9°         9°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 632b H	37.0 + 36.0° / 63.0° 90 % 2 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 632b H	37.0 + 36.0° / 63.0° 90 % 2 cd/lm 1 White Hekla XL	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 632b H	37.0 + 36.0° / 63.0° 90 % 2 cd/lm 1 White Hekla XL Vesta DTW 9mm (4W/6W/12W)	32     32     32       12     6     12       13     6     12       13     6     12
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 632b H bridgelux. LED FWHM / FWTM	37.0 + 36.0° / 63.0° 90 % 2 cd/lm 1 White Hekla XL Vesta DTW 9mm (4W/6W/12W) 36.0 + 35.0° / 55.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 632b H bridgelux. LED FWHM / FWTM Efficiency	37.0 + 36.0° / 63.0° 90 % 2 cd/lm 1 White Hekla XL Vesta DTW 9mm (4W/6W/12W) 36.0 + 35.0° / 55.0° 93 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 632b H bridgelux. LED FWHM / FWTM Efficiency Peak intensity	37.0 + 36.0° / 63.0° 90 % 2 cd/lm 1 White Hekla XL Vesta DTW 9mm (4W/6W/12W) 36.0 + 35.0° / 55.0° 93 % 2.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 632b H bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	37.0 + 36.0° / 63.0° 90 % 2 cd/lm 1 White Hekla XL Vesta DTW 9mm (4W/6W/12W) 36.0 + 35.0° / 55.0° 93 % 2.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 632b H bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	37.0 + 36.0° / 63.0° 90 % 2 cd/lm 1 White Hekla XL Vesta DTW 9mm (4W/6W/12W) 36.0 + 35.0° / 55.0° 93 % 2.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 632b H bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	37.0 + 36.0° / 63.0° 90 % 2 cd/lm 1 White Hekla XL Vesta DTW 9mm (4W/6W/12W) 36.0 + 35.0° / 55.0° 93 % 2.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 632b H bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	37.0 + 36.0° / 63.0° 90 % 2 cd/lm 1 White Hekla XL Vesta DTW 9mm (4W/6W/12W) 36.0 + 35.0° / 55.0° 93 % 2.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 632b H bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	37.0 + 36.0° / 63.0° 90 % 2 cd/lm 1 White Hekla XL Vesta DTW 9mm (4W/6W/12W) 36.0 + 35.0° / 55.0° 93 % 2.4 cd/lm 1 White	



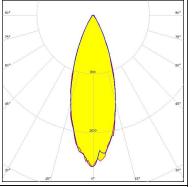
bridgelux.		90°
LED	Vesta TW 13mm (18W) DP	75°
FWHM / FWTM	36.0° / 61.0 + 60.0°	
Efficiency	90 %	60° 60°
Peak intensity	2.1 cd/lm	
LEDs/each optic	1	
Light colour	Tunable White	62e
Required components:		1690
C16142_HEKLA-SO	CKET-K	
Bender Wirth: 492 Ty	/p L8	
		30° 157 0° 157 30°
bridgelux.		90° 90°
LED	Vesta TW 15mm DP	
FWHM / FWTM	34.0 + 35.0° / 63.0°	
Efficiency	89 %	60°
Peak intensity	2.1 cd/lm	
LEDs/each optic	1	
Light colour	Tunable White	g.,
Required components:		
C16142_HEKLA-SO	CKET-K	169
Bender Wirth: 482 Ty	/p L8	
		30
		15° 0° 15°
h		
bridgelux.		90 <sup>4</sup>
bridgelux. LED	Vesta TW 18mm (31W) DP	50° 50°
	Vesta TW 18mm (31W) DP 36.0° / 71.0°	20 23 24 25 26 26 26 26
LED		80. 26. 26. 26. 26. 26. 26. 26. 26. 26. 26
LED FWHM / FWTM	36.0° / 71.0°	90 97 97 97 90 97 90 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	36.0° / 71.0° 84 %	97 97 97 90 90 97 97 97 97 97 97 97 97
LED FWHM / FWTM Efficiency Peak intensity	36.0° / 71.0° 84 % 1.6 cd/lm	00 00 00 00 00 00 00 00 00 00 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	36.0° / 71.0° 84 % 1.6 cd/lm 1	5° 60 60 60 60 60 60 60 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	36.0° / 71.0° 84 % 1.6 cd/lm 1 Tunable White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	36.0° / 71.0° 84 % 1.6 cd/lm 1 Tunable White CKET-K	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SO	36.0° / 71.0° 84 % 1.6 cd/lm 1 Tunable White CKET-K	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SO	36.0° / 71.0° 84 % 1.6 cd/lm 1 Tunable White CKET-K	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SO Bender Wirth: 462 Ty	36.0° / 71.0° 84 % 1.6 cd/lm 1 Tunable White CKET-K	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SO Bender Wirth: 462 Ty	36.0° / 71.0° 84 % 1.6 cd/lm 1 Tunable White CKET-K /p L8	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SO Bender Wirth: 462 Ty bridgelux. LED	36.0° / 71.0° 84 % 1.6 cd/lm 1 Tunable White CKET-K /p L8 Vesta TW 9mm (9W) DP	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SO Bender Wirth: 462 Ty bridgelux. LED FWHM / FWTM	36.0° / 71.0° 84 % 1.6 cd/lm 1 Tunable White CKET-K /p L8 Vesta TW 9mm (9W) DP 39.0° / 60.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SO Bender Wirth: 462 Ty bridgetux. LED FWHM / FWTM Efficiency	36.0° / 71.0° 84 % 1.6 cd/lm 1 Tunable White CKET-K /p L8 Vesta TW 9mm (9W) DP 39.0° / 60.0° 93 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SO Bender Wirth: 462 Ty bridgelux. LED FWHM / FWTM Efficiency Peak intensity	36.0° / 71.0° 84 % 1.6 cd/lm 1 Tunable White CKET-K /p L8 Vesta TW 9mm (9W) DP 39.0° / 60.0° 93 % 2.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SO Bender Wirth: 462 Ty bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	36.0° / 71.0° 84 % 1.6 cd/lm 1 Tunable White CKET-K /p L8 Vesta TW 9mm (9W) DP 39.0° / 60.0° 93 % 2.1 cd/lm 1	01         00         00           02         00         00           03         00         00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SO Bender Wirth: 462 Ty bridgetux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	36.0° / 71.0° 84 % 1.6 cd/lm 1 Tunable White CKET-K /p L8 Vesta TW 9mm (9W) DP 39.0° / 60.0° 93 % 2.1 cd/lm 1 Tunable White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SO Bender Wirth: 462 Ty bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SO	36.0° / 71.0° 84 % 1.6 cd/lm 1 Tunable White CKET-K /p L8 Vesta TW 9mm (9W) DP 39.0° / 60.0° 93 % 2.1 cd/lm 1 Tunable White CKET-K	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SO Bender Wirth: 462 Ty bridgetux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	36.0° / 71.0° 84 % 1.6 cd/lm 1 Tunable White CKET-K /p L8 Vesta TW 9mm (9W) DP 39.0° / 60.0° 93 % 2.1 cd/lm 1 Tunable White CKET-K	01         00         00           02         00         00           03         00         00



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LED C FWHM/FWTM 3 Efficiency 9 Peak intensity 2 LEDs/each optic 1 Light colour 4 Required components: F17438\_HEKLA-G2-I

CLL03x/CLU03x 35.0° / 62.0° 90 % 2.1 cd/lm 1 White



## LUMILEDS

 LED
 LUXEON CoB 1204/1205

 FWHM / FWTM
 37.0° / 61.0 + 60.0°

 Efficiency
 91 %

 Peak intensity
 2.1 cd/lm

 LEDs/each optic
 1

 Light colour
 White

 Required components:
 Bender Wirth: 632a Hekla XL

#### LED LUXEON CoB 1208 FWHM / FWTM 36.0° / 62.0° Efficiency 91 % Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour White Required components: Bender Wirth: 632a Hekla XL UMILEDS 9 LED LUXEON CoB 1211 FWHM / FWTM 37.0 + 36.0° / 71.0 + 70.0° Efficiency 89 % Peak intensity 1.7 cd/lm LEDs/each optic 1 White Light colour Required components: Bender Wirth: 631b Hekla XL



	DS	90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Bender Wirth: 631		
SAMSU LED FWHM / FWTM Efficiency	LC016D / LC019D / LC026D / LC033D 35.0° / 65.0° 89 %	90 <sup>4</sup> 90 75 60 <sup>4</sup> 90
Peak intensity LEDs/each optic Light colour Required component F17438_HEKLA-C		



#### **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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