

PRODUCT DATASHEET CP17401_YASMEEN-50-M-C

YASMEEN-50-M-C

~26° wide beam. Assembly with holder C compatible with LEDiL HEKLA. Black version.

SPECIFICATION:

Dimensions	Ø 49.9 mm
Height	28.1 mm
ROHS compliant	yes 🛈



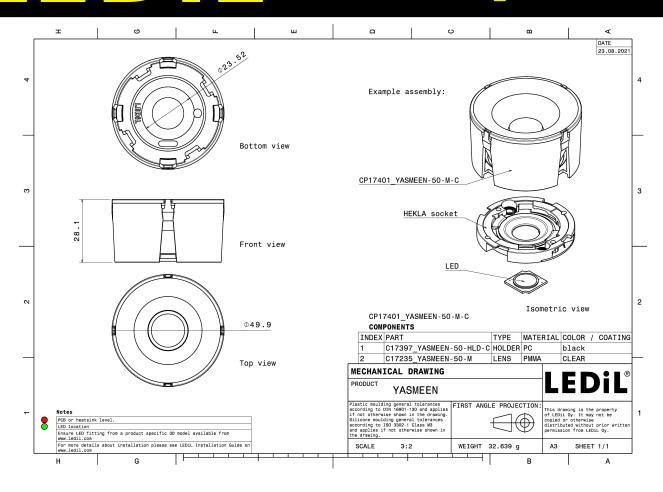
MATERIALS:

Component	Туре	Material	Colour	Finish
YASMEEN-50-M	Single lens	PMMA	clear	
YASMEEN-50-HLD-C	Holder	PC	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP17401_YASMEEN-50-M-C	Single lens	252	112	28	9.8
» Box size: 476 x 273 x 305 mm					

PRODUCT DATASHEET CP17401_YASMEEN-50-M-C



R

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



bridgelux.			90°
LED	V10 Gen 8		
FWHM / FWTM	25.0° / 46.0°		25*
Efficiency	84 %		
Peak intensity	3.6 cd/lm		1600
LEDs/each optic	1		
Light colour	White		93°
Required compone			2000
F15255_HEKLA			\times
_			3200
			30* 30*
			155 4850 257
bridgelux.			90*
LED	V11 HD Gen 8		75*
FWHM / FWTM	26.0° / 48.0°		
Efficiency	84 %		60°
Peak intensity	3.4 cd/lm		1000
LEDs/each optic	1		
Light colour	White		45× 65*
Required compone			
Bender Wirth: 63	33d Hekla		
			3200
			36° 25° of 25°
\frown			7
bridgelux.			90* 90*
bridgelux. LED	V13 Gen 8		<u>99*</u>
bridgelux. LED FWHM / FWTM	V13 Gen 8 32.0° / 56.0°		30°
LED FWHM / FWTM	V13 Gen 8 32.0° / 56.0° 80 %		25 25 26 26 27 27 27 27 27 27 27 27
LED FWHM / FWTM Efficiency	32.0° / 56.0°		90° 90° 90° 90°
LED FWHM / FWTM Efficiency Peak intensity	32.0° / 56.0° 80 %		60 00 60 00 00 00 00 00 00 00 00 00 00 0
LED FWHM / FWTM Efficiency	32.0° / 56.0° 80 % 2.3 cd/lm		gr
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	32.0° / 56.0° 80 % 2.3 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	32.0° / 56.0° 80 % 2.3 cd/lm 1 White nts:		a.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	32.0° / 56.0° 80 % 2.3 cd/lm 1 White nts:		a.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	32.0° / 56.0° 80 % 2.3 cd/lm 1 White nts:		e. 500
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA	32.0° / 56.0° 80 % 2.3 cd/lm 1 White nts:		gr
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA	32.0° / 56.0° 80 % 2.3 cd/lm 1 White nts: -SOCKET-I		800 30 ⁴ 30 ⁵ 30 ⁵ 30 ⁵ 30 ⁵ 30 ⁵ 30 ⁵ 30 ⁵ 30 ⁵ 30 ⁵
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA	32.0° / 56.0° 80 % 2.3 cd/lm 1 White nts: -SOCKET-I		gr
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA	32.0° / 56.0° 80 % 2.3 cd/lm 1 White nts: -SOCKET-I V4 HD Gen 7 25.0° / 42.0°		gr
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA bridgeLux. LED FWHM / FWTM Efficiency	32.0° / 56.0° 80 % 2.3 cd/lm 1 White nts: -SOCKET-I V4 HD Gen 7 25.0° / 42.0° 85 %		gr
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA bridgelux. LED FWHM / FWTM Efficiency Peak intensity	32.0° / 56.0° 80 % 2.3 cd/lm 1 White nts: -SOCKET-I V4 HD Gen 7 25.0° / 42.0° 85 % 4 cd/lm		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	32.0° / 56.0° 80 % 2.3 cd/lm 1 White nts: -SOCKET-I V4 HD Gen 7 25.0° / 42.0° 85 % 4 cd/lm 1		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA bridgeLuX LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	32.0° / 56.0° 80 % 2.3 cd/lm 1 White nts: -SOCKET-I V4 HD Gen 7 25.0° / 42.0° 85 % 4 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA bridgeLux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	32.0° / 56.0° 80 % 2.3 cd/lm 1 White nts: -SOCKET-I V4 HD Gen 7 25.0° / 42.0° 85 % 4 cd/lm 1 White nts:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA bridgeLuX LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	32.0° / 56.0° 80 % 2.3 cd/lm 1 White nts: -SOCKET-I V4 HD Gen 7 25.0° / 42.0° 85 % 4 cd/lm 1 White nts:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA bridgeLux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	32.0° / 56.0° 80 % 2.3 cd/lm 1 White nts: -SOCKET-I V4 HD Gen 7 25.0° / 42.0° 85 % 4 cd/lm 1 White nts:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15859_HEKLA bridgeLux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	32.0° / 56.0° 80 % 2.3 cd/lm 1 White nts: -SOCKET-I V4 HD Gen 7 25.0° / 42.0° 85 % 4 cd/lm 1 White nts:		



bridgelux. LED FWHM / FWTM Efficiency Peak intensity	V6 HD Gen 7 24.0° / 43.0° 85 % 4.1 cd/lm		9 ⁴ 200 60
LEDs/each optic Light colour Required compone F15255_HEKLA			ar 309 309 309 309 309 309 309 309 309 309
bridgelux.			90° A 50'
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15253_HEKLA			37 00 72 90 100 90 205 90 205
			20 ⁴ 10 ⁷ 0 ⁴ 20 ⁷ 30 ⁷
bridgelux.			90* 90'
LED FWHM / FWTM	VERO10 24.5° / 46.0°		25 25
Efficiency Peak intensity	84 % 3.7 cd/lm		99 (100)
LEDs/each optic	1		
Light colour Required compone F15616_HEKLA			205
bridgelux.			90*
LED	Vesta DTW 13mm (21W)		
FWHM / FWTM	31.0° / 54.0°		
Efficiency	80 %		60 60 60
Peak intensity	2.4 cd/lm		
LEDs/each optic Light colour	1 Tunable White		g5 ¹
Required compone			
Bender Wirth: 6			30°
			(15 ³) 0 ⁶ 15 ⁵



r		
bridgelux.		50°
LED	Vesta DTW 15mm (33W)	
FWHM / FWTM	33.0° / 57.0°	
Efficiency	79 %	
Peak intensity	2.2 cd/lm	
LEDs/each optic	1	
Light colour	Tunable White	er er
Required compone		
Bender Wirth: 6		
		B7
bridgelux.		90° 90'
LED	Vesta DTW 9mm (4W/6W/12W)	
FWHM / FWTM	23.0° / 45.0°	
Efficiency	84 %	
Peak intensity	4 cd/lm	
LEDs/each optic	1	
Light colour	White	er 200
Required compone	ents:	
Bender Wirth: 6	52b Hekla	200
		\times \times \times
		30' 31'
		15 ⁵ 0 ⁸ 15 ⁵
CITIZE	N	50'
LED	CLL02x/CLU02x (LES10)	
FWHM / FWTM	24.0° / 46.0°	75
Efficiency	84 %	
Peak intensity	3.6 cd/lm	
LEDs/each optic	1	
Light colour	White	gr dr
Required compone	ents:	
F17435_HEKLA		
		320
		30°
CITTIZE	יאד	
CITIZE		90°
LED	CLU700/701/702/703	75
FWHM / FWTM	24.0° / 43.0°	
Efficiency	85 %	
Peak intensity	4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
F17435_HEKLA	A-G2-C	229
		25° of 15°



CITIZE	N		90° 90'
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA	CLU7A2/7A3 25.0° / 42.0° 85 % 4 cd/lm 1 White ents:		20 ⁴ 22 ⁵ 6 ⁴ 22 ⁵ 26 ⁴
CITIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA	CLU7B2 25.0° / 42.0° 85 % 3.9 cd/lm 1 White ents:		
CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17436_HEKLA	CMA1516 24.0° / 45.0° 84 % 3.8 cd/lm 1 White ents:		200 9 ¹ 9
CREE (LEC) FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA	CMT14xx 24.0° / 46.0° 84 % 3.7 cd/lm 1 White ents:		



ODEE +		
		90° 90°
LED	CMU10xx	
FWHM / FWTM	25.0° / 47.0°	75*
Efficiency	83 %	
Peak intensity	3.5 cd/lm	Base Base
LEDs/each optic	1	
Light colour	White	gg x gg x
Required componer		
F17435_HEKLA-		
		2200
		30*
		13 ⁵ 0 ⁶ 13 ⁵
		90°
LED	CXA/B 13xx	75*
FWHM / FWTM	25.0° / 43.0°	
Efficiency	86 %	60.5 60.5
Peak intensity	4.1 cd/lm	
LEDs/each optic	1	
Light colour	White	62°
Required componer		
F17439_HEKLA-	G2-J	
		34° 15° 0° 15° 36°
		50° A 50°
LED		
	CXA/B 15xx	
EED FWHM / FWTM	CXA/B 15xx 24.0° / 45.0°	75 00 75
		23
FWHM / FWTM	24.0° / 45.0°	57° 000 75°
FWHM / FWTM Efficiency	24.0° / 45.0° 84 %	27 00 27 gr
FWHM / FWTM Efficiency Peak intensity	24.0° / 45.0° 84 % 3.8 cd/lm	75 00 75 64 100 67 87 330 67
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	24.0° / 45.0° 84 % 3.8 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	24.0° / 45.0° 84 % 3.8 cd/lm 1 White hts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	24.0° / 45.0° 84 % 3.8 cd/lm 1 White hts:	er
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	24.0° / 45.0° 84 % 3.8 cd/lm 1 White hts:	er
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F17436_HEKLA-	24.0° / 45.0° 84 % 3.8 cd/lm 1 White hts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F17436_HEKLA-	24.0° / 45.0° 84 % 3.8 cd/lm 1 White hts: -G2-D	200 200 200 200 200 200 200 200 200 200
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F17436_HEKLA-	24.0° / 45.0° 84 % 3.8 cd/lm 1 White hts: -G2-D LEDIM/C6	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F17436_HEKLA-	24.0° / 45.0° 84 % 3.8 cd/lm 1 White hts: -G2-D LEDIM/C6 22.0° / 44.0°	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F17436_HEKLA-	24.0° / 45.0° 84 % 3.8 cd/lm 1 White hts: G2-D LEDIM/C6 22.0° / 44.0° 84 %	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F17436_HEKLA-	24.0° / 45.0° 84 % 3.8 cd/lm 1 White hts: G2-D LEDIM/C6 22.0° / 44.0° 84 % 4.2 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F17436_HEKLA-	24.0° / 45.0° 84 % 3.8 cd/lm 1 White hts: G2-D LEDIM/C6 22.0° / 44.0° 84 % 4.2 cd/lm 9	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F17436_HEKLA-	24.0° / 45.0° 84 % 3.8 cd/lm 1 White hts: G2-D LEDIM/C6 22.0° / 44.0° 84 % 4.2 cd/lm 9 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F17436_HEKLA-	24.0° / 45.0° 84 % 3.8 cd/lm 1 White hts: G2-D LEDIM/C6 22.0° / 44.0° 84 % 4.2 cd/lm 9 White hts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F17436_HEKLA-	24.0° / 45.0° 84 % 3.8 cd/lm 1 White hts: G2-D LEDIM/C6 22.0° / 44.0° 84 % 4.2 cd/lm 9 White hts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F17436_HEKLA-	24.0° / 45.0° 84 % 3.8 cd/lm 1 White hts: G2-D LEDIM/C6 22.0° / 44.0° 84 % 4.2 cd/lm 9 White hts:	



MUMIL	EDS	50 ⁴ 50 ³
LED	LUXEON CoB 1202/1203	
FWHM / FWTM	24.0° / 45.0°	72 000
Efficiency	83 %	
Peak intensity	3.9 cd/lm	
LEDs/each optic	1	
Light colour	White	a. 200 _ a
Required compone	nts:	
F17437_HEKLA		200
		30" 400 36
		10 ⁻ 10 ⁻ 10 ⁻ 10 ⁻
UMIL	EDS	90° 90'
LED	LUXEON CoB 1204HD	37
FWHM / FWTM	23.0° / 45.0°	
Efficiency	83 %	60*
Peak intensity	3.9 cd/lm	
LEDs/each optic	1	
Light colour	White	¢* \$
Required compone		
F17437_HEKLA	-G2-H	220
		30° 6030 30°
	EDS	90 ⁺ 9 ⁺
LED	LUXEON CoB M02/M03	
FWHM / FWTM	24.0° / 45.0°	72
Efficiency	84 %	
Peak intensity	3.9 cd/lm	
LEDs/each optic	4	
	1	
	White	er 200 2
Light colour Required compone	White	a- 200 - 3
Light colour	White nts:	a. 200 0
Light colour Required compone	White nts:	
Light colour Required compone	White nts:	229 27 002 3
Light colour Required compone F17436_HEKLA	White nts: -G2-D	2° 209 209 209 209 209 209 209 209 209 209
Light colour Required compone F17436_HEKLA	White nts: -G2-D	200 200 200 200 200 200 200 200 200 200
Light colour Required compone F17436_HEKLA	White nts: -G2-D EDS LUXEON CoB S01	
Light colour Required compone F17436_HEKLA	White nts: -G2-D EDS LUXEON CoB S01 24.0° / 42.0°	
Light colour Required compone F17436_HEKLA	White nts: -G2-D EDS LUXEON CoB S01 24.0° / 42.0° 85 %	
Light colour Required compone F17436_HEKLA	White nts: -G2-D EDS LUXEON CoB S01 24.0° / 42.0° 85 % 4.1 cd/lm	
Light colour Required compone F17436_HEKLA	White nts: -G2-D EDS LUXEON CoB S01 24.0° / 42.0° 85 % 4.1 cd/lm 1	
Light colour Required compone F17436_HEKLA	White nts: -G2-D EDS LUXEON CoB S01 24.0° / 42.0° 85 % 4.1 cd/lm 1 White	
Light colour Required compone F17436_HEKLA COMPARENT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	White nts: -G2-D EDS LUXEON CoB S01 24.0° / 42.0° 85 % 4.1 cd/lm 1 White nts:	
Light colour Required compone F17436_HEKLA	White nts: -G2-D EDS LUXEON CoB S01 24.0° / 42.0° 85 % 4.1 cd/lm 1 White nts:	
Light colour Required compone F17436_HEKLA	White nts: -G2-D EDS LUXEON CoB S01 24.0° / 42.0° 85 % 4.1 cd/lm 1 White nts:	



6		
	NUS	50°
LED	CXM-3	
FWHM / FWTM	25.0° / 42.0°	
Efficiency	85 %	
Peak intensity	4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required componer	nts:	
F17435_HEKLA-	-G2-C	300
		20*
	NUS	15 ⁵ o ⁴ 15 ⁵
-		
	CXM-4	72
FWHM / FWTM	24.0° / 42.0°	
Efficiency	85 %	600
Peak intensity	4.1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required componer		220
F17435_HEKLA-	-G2-C	
		30, 10, 0, 10,
ØNICHI		
		94 ¹
ED FWHM / FWTM	COB L-Type (LES 9) 24.0° / 45.0°	21- 22- 20-
LED	COB L-Type (LES 9)	5 4
LED FWHM / FWTM	COB L-Type (LES 9) 24.0° / 45.0°	
LED FWHM / FWTM Efficiency Peak intensity	COB L-Type (LES 9) 24.0° / 45.0° 83 %	54 ⁴ 27 100 100
LED FWHM / FWTM Efficiency	COB L-Type (LES 9) 24.0° / 45.0° 83 % 3.8 cd/lm	91 73 92 90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	COB L-Type (LES 9) 24.0° / 45.0° 83 % 3.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	COB L-Type (LES 9) 24.0° / 45.0° 83 % 3.8 cd/lm 1 White nts:	e
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	COB L-Type (LES 9) 24.0° / 45.0° 83 % 3.8 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	COB L-Type (LES 9) 24.0° / 45.0° 83 % 3.8 cd/lm 1 White nts:	e- 200 30 30
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F17437_HEKLA-	COB L-Type (LES 9) 24.0° / 45.0° 83 % 3.8 cd/lm 1 White nts: -G2-H	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F17437_HEKLA	COB L-Type (LES 9) 24.0° / 45.0° 83 % 3.8 cd/lm 1 White nts: -G2-H	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component F17437_HEKLA:	COB L-Type (LES 9) 24.0° / 45.0° 83 % 3.8 cd/lm 1 White nts: -G2-H COB S-Type (LES 7)	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component F17437_HEKLA:	COB L-Type (LES 9) 24.0° / 45.0° 83 % 3.8 cd/lm 1 White nts: -G2-H COB S-Type (LES 7) 24.0° / 44.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F17437_HEKLA:	COB L-Type (LES 9) 24.0° / 45.0° 83 % 3.8 cd/lm 1 White nts: -G2-H COB S-Type (LES 7) 24.0° / 44.0° 85 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F17437_HEKLA-	COB L-Type (LES 9) 24.0° / 45.0° 83 % 3.8 cd/lm 1 White nts: -G2-H COB S-Type (LES 7) 24.0° / 44.0° 85 % 3.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F17437_HEKLA-	COB L-Type (LES 9) 24.0° / 45.0° 83 % 3.8 cd/lm 1 White nts: -G2-H COB S-Type (LES 7) 24.0° / 44.0° 85 % 3.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F17437_HEKLA-	COB L-Type (LES 9) 24.0° / 45.0° 83 % 3.8 cd/lm 1 White nts: -G2-H COB S-Type (LES 7) 24.0° / 44.0° 85 % 3.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F17437_HEKLA-	COB L-Type (LES 9) 24.0° / 45.0° 83 % 3.8 cd/lm 1 White nts: -G2-H COB S-Type (LES 7) 24.0° / 44.0° 85 % 3.9 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F17437_HEKLA- F17437_HEKLA- Efficiency Peak intensity LEDs/each optic Light colour	COB L-Type (LES 9) 24.0° / 45.0° 83 % 3.8 cd/lm 1 White nts: -G2-H COB S-Type (LES 7) 24.0° / 44.0° 85 % 3.9 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F17437_HEKLA-	COB L-Type (LES 9) 24.0° / 45.0° 83 % 3.8 cd/lm 1 White nts: -G2-H COB S-Type (LES 7) 24.0° / 44.0° 85 % 3.9 cd/lm 1 White nts:	



PHILIF	00	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17437_HEKLA	Fortimo SLM L09 CoB 23.0° / 45.0° 83 % 3.9 cd/lm 1 White nts:	
SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA	LC003D / LC006D / LC009D / LC013D 24.0° / 46.0° 84 % 3.7 cd/lm 1 White nts:	
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA		
SSOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA		



TRIDOM	IIC	90°
LED	SLE G7 LES09	
FWHM / FWTM	24.0° / 45.0°	
Efficiency	84 %	605
Peak intensity	3.9 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 63*
Required compone	nts:	
F17435_HEKLA	-G2-C	200
		30* 4000 31.*
		15° 0° 15°



OPTICAL RESULTS (SIMULATED):

bridgelux.		90*
LED	Vero SE 13	75'
FWHM / FWTM	26.0° / 48.0°	
Efficiency	73 %	60* 60*
Peak intensity	2.9 cd/lm	
LEDs/each optic	1	1600
Light colour	White	
Required components:		
C16142_HEKLA-SOC	CKET-K	200
		30° 31° 31° 31°
bridgelux.		90 ⁴ 90 ⁴
LED	Vesta TW 13mm (25W) CSP	75"
FWHM / FWTM	28.0° / 54.0°	
Efficiency	83 %	60 ⁵
Peak intensity	2.9 cd/lm	$f \times / \square \setminus X \cap$
LEDs/each optic	1	
Light colour	White	97 G*
Required components:		
C16142_HEKLA-SOC	CKET-K	2000
		30°
		15° 0° 15°
bridgelux.		90*
LED	Vesta TW 9mm (12W) CSP	99 ⁴ 99 ²
	Vesta TW 9mm (12W) CSP 32.0° / 54.0°	50° 23° 25°
LED		90* 90* 73* 72* 60* 60*
LED FWHM / FWTM	32.0° / 54.0°	59°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	32.0° / 54.0° 85 %	60 ⁴ 60 ⁴ 50 ⁴
LED FWHM / FWTM Efficiency Peak intensity	32.0° / 54.0° 85 % 2.6 cd/lm	c. 703 0. bit 00 00 bit 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	32.0° / 54.0° 85 % 2.6 cd/lm 1 White	5°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	32.0° / 54.0° 85 % 2.6 cd/lm 1 White	99* 99* 75* 69* 000 69* 97* 000 69*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	32.0° / 54.0° 85 % 2.6 cd/lm 1 White	5°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	32.0° / 54.0° 85 % 2.6 cd/lm 1 White	500 500 500 500 500 500 500 500 500 500
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOC	32.0° / 54.0° 85 % 2.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOC	32.0° / 54.0° 85 % 2.6 cd/lm 1 White CKET-K	39* 30* 39* 30* 39* 30* 39* 30* 39* 30*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOC	32.0° / 54.0° 85 % 2.6 cd/lm 1 White CKET-K CLU712/713	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOC	32.0° / 54.0° 85 % 2.6 cd/lm 1 White CKET-K CLU712/713 26.0° / 46.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOC CITTIZEN LED FWHM / FWTM Efficiency	32.0° / 54.0° 85 % 2.6 cd/lm 1 White CKET-K CLU712/713 26.0° / 46.0° 83 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOC CITIZEN LED FWHM / FWTM Efficiency Peak intensity	32.0° / 54.0° 85 % 2.6 cd/lm 1 White CKET-K CLU712/713 26.0° / 46.0° 83 % 3.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOC CITTIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	32.0° / 54.0° 85 % 2.6 cd/lm 1 White CKET-K CLU712/713 26.0° / 46.0° 83 % 3.6 cd/lm 1	25 00 00 00 00 00 00 00 00 00 00 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOC CITIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	32.0° / 54.0° 85 % 2.6 cd/lm 1 White CKET-K CLU712/713 26.0° / 46.0° 83 % 3.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOC CITIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	32.0° / 54.0° 85 % 2.6 cd/lm 1 White CKET-K CLU712/713 26.0° / 46.0° 83 % 3.6 cd/lm 1 White	ç. ç.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOC CITIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	32.0° / 54.0° 85 % 2.6 cd/lm 1 White CKET-K CLU712/713 26.0° / 46.0° 83 % 3.6 cd/lm 1 White	75°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOC CITIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	32.0° / 54.0° 85 % 2.6 cd/lm 1 White CKET-K CLU712/713 26.0° / 46.0° 83 % 3.6 cd/lm 1 White	5°. 50)
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOC CITIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	32.0° / 54.0° 85 % 2.6 cd/lm 1 White CKET-K CLU712/713 26.0° / 46.0° 83 % 3.6 cd/lm 1 White	75°



OPTICAL RESULTS (SIMULATED):

		90° 90°
LED	CHA0304	
FWHM / FWTM	30.0° / 44.0°	75
Efficiency	85 %	
Peak intensity	3.4 cd/lm	66° - 66°
LEDs/each optic	1	
Light colour	White	57
Required components:		2000
F17435_HEKLA-G2-	C	
		3 45° 0° 15°
		90* 90*
LED	CHA0410	21
FWHM / FWTM	28.0° / 44.0°	
Efficiency	85 %	ege of the second s
Peak intensity	3.6 cd/lm	
LEDs/each optic	1	
Light colour	White	gy
Required components:		200
F17435_HEKLA-G2-	C	
		2200
		300 300
		135 ⁴ 0 ⁶ 135 ⁴
		90* 90*
LED	CHA0612	
LED FWHM / FWTM	CHA0612 28.0° / 44.0°	73 000
		60
FWHM / FWTM	28.0° / 44.0°	60°
FWHM / FWTM Efficiency	28.0° / 44.0° 84 % 3.4 cd/lm 1	251 - 251 624 - 624
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 44.0° 84 % 3.4 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	28.0° / 44.0° 84 % 3.4 cd/lm 1 White	55 50 57 57 57 57 57 57 57 57 57 57 57 57 57
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 44.0° 84 % 3.4 cd/lm 1 White	500 500 500 500 500 500 500 500 500 500
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	28.0° / 44.0° 84 % 3.4 cd/lm 1 White	55 57 57 57 50 57 57 57 57 57 57 57 57 57 57
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	28.0° / 44.0° 84 % 3.4 cd/lm 1 White	251 00 25 61 00 00 61 00 50
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F17435_HEKLA-G2-	28.0° / 44.0° 84 % 3.4 cd/lm 1 White	200 25° 200
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F17435_HEKLA-G2-	28.0° / 44.0° 84 % 3.4 cd/lm 1 White C	50 50 50 50 50 50 50 50 50 50
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F17435_HEKLA-G2-	28.0° / 44.0° 84 % 3.4 cd/lm 1 White C	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F17435_HEKLA-G2-	28.0° / 44.0° 84 % 3.4 cd/lm 1 White C NVCWJ024Z-V1MT: COB J-Type Tunable White 28.0° / 52.0°	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F17435_HEKLA-G2-	28.0° / 44.0° 84 % 3.4 cd/lm 1 White C NVCWJ024Z-V1MT: COB J-Type Tunable White 28.0° / 52.0° 83 %	200 200 200 200 200 200 200 200
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F17435_HEKLA-G2-	28.0° / 44.0° 84 % 3.4 cd/lm 1 White C NVCWJ024Z-V1MT: COB J-Type Tunable White 28.0° / 52.0°	60 00 00 00 00 00 00 00 00 00
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F17435_HEKLA-G2- IED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	28.0° / 44.0° 84 % 3.4 cd/lm 1 White C NVCWJ024Z-V1MT: COB J-Type Tunable White 28.0° / 52.0° 83 % 2.9 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F17435_HEKLA-G2- WICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 44.0° 84 % 3.4 cd/lm 1 White C NVCWJ024Z-V1MT: COB J-Type Tunable White 28.0° / 52.0° 83 % 2.9 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F17435_HEKLA-G2- WICHIN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	28.0° / 44.0° 84 % 3.4 cd/lm 1 White C NVCWJ024Z-V1MT: COB J-Type Tunable White 28.0° / 52.0° 83 % 2.9 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F17435_HEKLA-G2- MICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SOU	28.0° / 44.0° 84 % 3.4 cd/lm 1 White C NVCWJ024Z-V1MT: COB J-Type Tunable White 28.0° / 52.0° 83 % 2.9 cd/lm 1 White CKET-K	60 00 00 00 00 00 00 00 00 00
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F17435_HEKLA-G2- WICHIN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	28.0° / 44.0° 84 % 3.4 cd/lm 1 White C NVCWJ024Z-V1MT: COB J-Type Tunable White 28.0° / 52.0° 83 % 2.9 cd/lm 1 White CKET-K	



OPTICAL RESULTS (SIMULATED):

TRIDONIC		90*
LED	SLE G7 LES13	
FWHM / FWTM	30.0° / 52.0°	
Efficiency	80 %	60 ⁵
Peak intensity	2.7 cd/lm	
LEDs/each optic	1	
Light colour	White	57* <u>1600</u>
Required component	S:	
F17438_HEKLA-0	S2-I	200
		20 ⁴⁴ 127 0 ⁴⁴ 127



PRODUCT DATASHEET CP17401_YASMEEN-50-M-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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

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

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

Shipping locations

Salo, Finland Hong Kong, China

Distribution Partners www.ledil.com/

where_to_buy