

## **YASMEEN-70-S-C**

~15° spot beam. Assembly with holder C compatible with HEKLA sockets and connectors. Black version.

#### **TECHNICAL SPECIFICATIONS:**

DimensionsØ 69.9 mmHeight39.9 mmROHS compliantyes <sup>①</sup>



Colour

clear

black

Finish

#### **MATERIAL SPECIFICATIONS:**

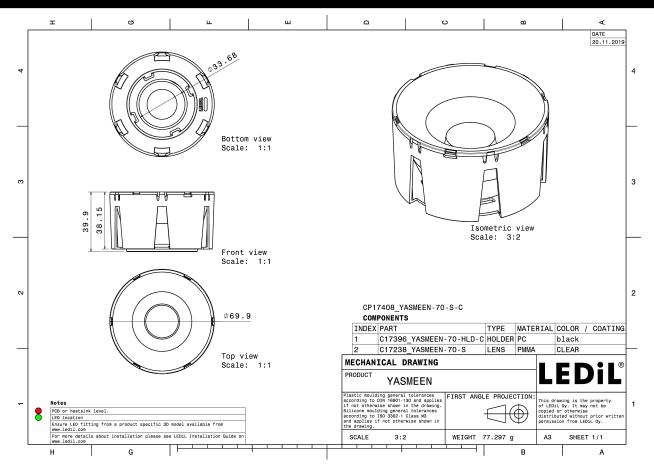
Component YASMEEN-70-S YASMEEN-70-HLD-C

Туре	Material
Single lens	PMMA
Holder	PC

#### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP17408_YASMEEN-70-S-C	Single lens	105	105	15	9.8
» Box size: 476 x 273 x 305 mm					





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 F15859_HEKLA	599 735 654 67 57 30 30 30 30	1000 10° 10° 10° 10° 10° 10° 10° 10° 10°
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15616_HEKLA		60 12 Xx
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63	59 <sup>4</sup> 77 69 69 77 77 77 77 77 77 77 77 77 77	0° 12°
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 63	59°) 73° 60° 73°	200 200 200 000 000 000 000 000 000 000



bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 6		
CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA	CLL02x/CLU02x (LES10) 15.0° / 27.0° 87 % 9.8 cd/lm 1 White ents:	
CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17438_HEKLA	CLL03x/CLU03x 21.0° / 36.5° 85 % 5.5 cd/lm 1 White ents:	
CREE CLE	CMA1516 14.0° / 25.0° 87 % 10.6 cd/lm 1 White ents:	



	1	90° 90'
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15254_HEKLA	CMA1825 19.0° / 32.0° 87 % 6.8 cd/lm 1 White hts:	55 50 50 50 50 50 50 50 50 50 50 50 50 5
	]	3% 15 <sup>°</sup> 0 <sup>°</sup> 15 <sup>°</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA		20, 6, 12, 26, 26, 26, 26, 26, 26, 26, 26, 26, 2
CREE LEC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17438_HEKLA	CMT19xx 21.0° / 36.0° 85 % 5.3 cd/lm 1 White nts:	T2. 6, T2, 9,   9, 60, 10, 60, 10, 61,
CREECOLED EWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17438_HEKLA	CMU15xx 23.0° / 39.0° 84 % 4.7 cd/m 1 White	99 <sup>4</sup> 75 <sup>5</sup> 66 <sup>4</sup> 1000 200 200 200 200 200 200 200 200 20



	EDS	24°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17437_HEKLA		
		90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17437_HEKLA		
<b>ØNICHI</b>		20 <sup>4</sup> 20 <sup>5</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17437_HEKLA	COB L-Type (LES 9) 13.0° / 24.0° 86 % 11.5 cd/lm 1 White nts:	
		90* · · · · · · · · · · · · · · · · · · ·
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17438_HEKLA	COB S-Type (LES 7) 20.0° / 34.0° 85 % 6 cd/lm 1 White nts:	



PHILI	DS	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17437_HEKLA	Fortimo SLM L09 CoB 14.0° / 25.0° 86 % 10.8 cd/lm 1 White ents:	
SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17438_HEKLA	LC016D / LC019D / LC026D / LC033D 23.0° / 39.0° 85 % 4.7 cd/lm 1 White	
SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17438_HEKLA	LC030C/040C G2 17.0° / 30.0° 86 % 7.6 cd/lm 1 White ents:	
SSOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17438_HEKLA		



TRIDO	VIC		90°
LED	SLE G7 LES09		
FWHM / FWTM	14.0° / 25.0°		23.
Efficiency	87 %		3200
Peak intensity	11.1 cd/lm		$\Gamma \times / /   \setminus \times \uparrow$
LEDs/each optic	1		
Light colour	White		6120 65°
Required compone	ents:		
F17435_HEKLA	A-G2-C		
			30*
			15° 0° 15°
TRIDO	VIC		50*
	SLE G7 LES15		95°
			27 26 26 27 27 27 27 27 27 27 27 27 27 27 27 27
LED	SLE G7 LES15		80
LED FWHM / FWTM	SLE G7 LES15 22.0° / 38.0°		37
LED FWHM / FWTM Efficiency	SLE G7 LES15 22.0° / 38.0° 85 %		37
LED FWHM / FWTM Efficiency Peak intensity	SLE G7 LES15 22.0° / 38.0° 85 % 5 cd/lm		37
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	SLE G7 LES15 22.0° / 38.0° 85 % 5 cd/lm 1 White		97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	SLE G7 LES15 22.0° / 38.0° 85 % 5 cd/lm 1 White ents:		97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	SLE G7 LES15 22.0° / 38.0° 85 % 5 cd/lm 1 White ents:		97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compose	SLE G7 LES15 22.0° / 38.0° 85 % 5 cd/lm 1 White ents:		97



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bridgelux.		50* 50*
LED	V6 HD	75
FWHM / FWTM	12.0° / 22.0°	
Efficiency	89 %	60°
Peak intensity	15.6 cd/lm	0110
LEDs/each optic	1	
Light colour	White	49° 9630 95°
Required components:		
F15255_HEKLA-SO	CKET-C	12800
		30* 20** 30*
		( 15% 0 <sup>0</sup> 15%
bridgelux.		90* 90*
LED	Vesta TW 13mm (25W) CSP	78.
FWHM / FWTM	20.0° / 34.0°	1000
Efficiency	90 %	60° 60°
Peak intensity	6.5 cd/lm	
LEDs/each optic	1	
Light colour	Tunable White	a.
Required components:		4630
C16142_HEKLA-SO	CKET-K	
		36* 34*
$\frown$		
bridgelux.		90* 90*
LED	Vesta TW 9mm (12W) CSP	30*
	Vesta TW 9mm (12W) CSP 16.0° / 30.0°	32 35 35
LED		97 97 75 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity	16.0° / 30.0°	64 200 64 26 25 26 25 26 25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	16.0° / 30.0° 90 % 8.6 cd/lm 1	9° 9° 9° 90° 90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	16.0° / 30.0° 90 % 8.6 cd/lm	g,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	16.0° / 30.0° 90 % 8.6 cd/lm 1 Tunable White	9° 9° 9° 9° 9° 8° 9° 8° 9°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	16.0° / 30.0° 90 % 8.6 cd/lm 1 Tunable White	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	16.0° / 30.0° 90 % 8.6 cd/lm 1 Tunable 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:	16.0° / 30.0° 90 % 8.6 cd/lm 1 Tunable White	200 60 10 10 10 10 10 10 10 10 10 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SO	16.0° / 30.0° 90 % 8.6 cd/lm 1 Tunable White	0.9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SO	16.0° / 30.0° 90 % 8.6 cd/lm 1 Tunable White CKET-K	0.9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SO	16.0° / 30.0° 90 % 8.6 cd/lm 1 Tunable White CKET-K	0.9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SO	16.0° / 30.0° 90 % 8.6 cd/lm 1 Tunable White CKET-K CLU712 14.0° / 26.0°	30 <sup>4</sup> 10 <sup>5</sup> 10 <sup>4</sup> 10 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SO <b>CITTIZEN</b> LED FWHM / FWTM Efficiency	16.0° / 30.0° 90 % 8.6 cd/lm 1 Tunable White CKET-K CLU712 14.0° / 26.0° 87 %	30 <sup>4</sup> 33 <sup>4</sup> 3 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SO <b>CITTIZEN</b> LED FWHM / FWTM Efficiency Peak intensity	16.0° / 30.0° 90 % 8.6 cd/lm 1 Tunable White CKET-K CLU712 14.0° / 26.0° 87 % 11.3 cd/lm	30° 30° 30° 30° 30° 30° 30° 30° 30° 30°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SO <b>CITTIZEN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	16.0° / 30.0° 90 % 8.6 cd/lm 1 Tunable White CKET-K CLU712 14.0° / 26.0° 87 % 11.3 cd/lm 1	30° 30° 30° 30° 30° 30° 30° 30° 30° 30°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SO <b>CITTIZEN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	16.0° / 30.0° 90 % 8.6 cd/lm 1 Tunable White CKET-K CLU712 14.0° / 26.0° 87 % 11.3 cd/lm	60° 000 00°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SO CITIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	16.0° / 30.0° 90 % 8.6 cd/lm 1 Tunable White CKET-K CLU712 14.0° / 26.0° 87 % 11.3 cd/lm 1 White	60° 000 00°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SO <b>CITTIZEN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	16.0° / 30.0° 90 % 8.6 cd/lm 1 Tunable White CKET-K CLU712 14.0° / 26.0° 87 % 11.3 cd/lm 1 White	60 90 90 90 90 90 90 90 90 90 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SO CITIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	16.0° / 30.0° 90 % 8.6 cd/lm 1 Tunable White CKET-K CLU712 14.0° / 26.0° 87 % 11.3 cd/lm 1 White	600 900 907 907 907 907 907 907 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16142_HEKLA-SO CITIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	16.0° / 30.0° 90 % 8.6 cd/lm 1 Tunable White CKET-K CLU712 14.0° / 26.0° 87 % 11.3 cd/lm 1 White	60 90 90 90 90 90 90 90 90 90 9



<b></b>		
		90° 90°
LED	CMA1306	
FWHM / FWTM	12.0° / 22.0°	75.
Efficiency	88 %	
Peak intensity	16.1 cd/lm	501 5400
LEDs/each optic	1	
Light colour	White	gr / / / / / / / / / / / / / / / / / / /
Required components:		
F17435_HEKLA-G2	C	12800
		30° 15° 0° 15°
		90* 90*
LED	CMU10xx	
FWHM / FWTM	16.0° / 28.0°	
Efficiency	88 %	60 <sup>e</sup> 3200
Peak intensity	9.9 cd/lm	
LEDs/each optic	1	
Light colour	White	gz <sup>4</sup> 6100
Required components:		
F17435_HEKLA-G2	C	
		30° 30°
		15° 0° 15°
		90* <b>5</b> 0*
	CXA/B 13xx	90°
	CXA/B 13xx 12.0° / 22.0°	
LED		
LED FWHM / FWTM Efficiency	12.0° / 22.0°	00 00 00 00 00 00 00 00 00 00
LED FWHM / FWTM Efficiency Peak intensity	12.0° / 22.0° 88 %	90 <sup>3</sup> 90 <sup>3</sup> 75 22 90 <sup>3</sup> 900
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	12.0° / 22.0° 88 % 14.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity	12.0° / 22.0° 88 % 14.9 cd/lm 1	95° 900 600
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	12.0° / 22.0° 88 % 14.9 cd/lm 1 White	60) 61 62 62 60 60 60 62 62 62 62 62 62 62 62 62 62
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 22.0° 88 % 14.9 cd/lm 1 White	9 <sup>1</sup> 9 <sup>1</sup> 9 <sup>1</sup> 9 <sup>1</sup> 9 <sup>1</sup> 9 <sup>1</sup> 9 <sup>1</sup> 9 <sup>1</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 22.0° 88 % 14.9 cd/lm 1 White	300 1000 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F17439_HEKLA-G2	12.0° / 22.0° 88 % 14.9 cd/lm 1 White	27 0 <sup>4</sup> 0 <sup></sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F17439_HEKLA-G2	12.0° / 22.0° 88 % 14.9 cd/lm 1 White	27 0 <sup>4</sup> 0 <sup></sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F17439_HEKLA-G2	12.0° / 22.0° 88 % 14.9 cd/lm 1 White J CXA/B 15xx	27 0 <sup>4</sup> 0 <sup></sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F17439_HEKLA-G2	12.0° / 22.0° 88 % 14.9 cd/lm 1 White J CXA/B 15xx 14.0° / 26.0°	25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F17439_HEKLA-G2	12.0° / 22.0° 88 % 14.9 cd/lm 1 White J CXA/B 15xx 14.0° / 26.0° 87 %	25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F17439_HEKLA-G2	12.0° / 22.0° 88 % 14.9 cd/lm 1 White J CXA/B 15xx 14.0° / 26.0° 87 % 11 cd/lm	27 0 <sup>4</sup> 0 <sup></sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F17439_HEKLA-G2	12.0° / 22.0° 88 % 14.9 cd/lm 1 White J CXA/B 15xx 14.0° / 26.0° 87 % 11 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F17439_HEKLA-G2	12.0° / 22.0° 88 % 14.9 cd/lm 1 White J CXA/B 15xx 14.0° / 26.0° 87 % 11 cd/lm	25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F17439_HEKLA-G2	12.0° / 22.0° 88 % 14.9 cd/lm 1 White J CXA/B 15xx 14.0° / 26.0° 87 % 11 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F17439_HEKLA-G2	12.0° / 22.0° 88 % 14.9 cd/lm 1 White J CXA/B 15xx 14.0° / 26.0° 87 % 11 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F17439_HEKLA-G2	12.0° / 22.0° 88 % 14.9 cd/lm 1 White J CXA/B 15xx 14.0° / 26.0° 87 % 11 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: F17439_HEKLA-G2 CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 22.0° 88 % 14.9 cd/lm 1 White J CXA/B 15xx 14.0° / 26.0° 87 % 11 cd/lm 1 White	60° 10° 10° 10° 10° 10° 10° 10° 1



LED	CXA/B 1830	
FWHM / FWTM	22.0° / 36.0°	75
Efficiency	87 %	1600
Peak intensity	5.5 cd/lm	69° 60°
LEDs/each optic	1	
Light colour	White	47 <sup>4</sup> 3220 45 <sup>4</sup>
Required components:	Wine	$K \neq A = A = A = 2$
Bender Wirth: 637b		$\times$ / $\times$
Dender Wirth. 0375		4600
		36° 15° 0° 15° 30°
PHILIPS		90* 90*
	Fortimo SLM L09 CoB	75.
FWHM / FWTM	16.0° / 28.0°	$\land \land $
Efficiency	88 %	69° 60°
Peak intensity	10 cd/lm	
LEDs/each optic	1	
Light colour	White	° /
Required components:	•	
F17435_HEKLA-G2	C	$\times$ / $\times$
		30° 30° 30°
DHIID		ave ave
PHILIPS		99*
LED	Fortimo SLM L13 CoB	50°
LED FWHM / FWTM	Fortimo SLM L13 CoB 16.0° / 28.0°	39 <sup>+</sup>
LED FWHM / FWTM Efficiency	Fortimo SLM L13 CoB 16.0° / 28.0° 87 %	90* 92* 95* 92* 95* 92*
LED FWHM / FWTM Efficiency Peak intensity	Fortimo SLM L13 CoB 16.0° / 28.0° 87 % 10.1 cd/lm	94
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo SLM L13 CoB 16.0° / 28.0° 87 % 10.1 cd/lm 1	91 <sup>-</sup> 91 <sup>-</sup> 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo SLM L13 CoB 16.0° / 28.0° 87 % 10.1 cd/lm	91 <sup>4</sup> 91 <sup>4</sup> 31 <sup>4</sup> 91 <sup>4</sup> 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Fortimo SLM L13 CoB 16.0° / 28.0° 87 % 10.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo SLM L13 CoB 16.0° / 28.0° 87 % 10.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Fortimo SLM L13 CoB 16.0° / 28.0° 87 % 10.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Fortimo SLM L13 CoB 16.0° / 28.0° 87 % 10.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 632a	Fortimo SLM L13 CoB 16.0° / 28.0° 87 % 10.1 cd/lm 1 White Hekla XL	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 632a	Fortimo SLM L13 CoB 16.0° / 28.0° 87 % 10.1 cd/lm 1 White Hekla XL	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 632a SAMSUN	Fortimo SLM L13 CoB 16.0° / 28.0° 87 % 10.1 cd/lm 1 White Hekla XL VIG LC003D / LC006D / LC009D / LC013D	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 632a SAMSUT LED FWHM / FWTM	Fortimo SLM L13 CoB 16.0° / 28.0° 87 % 10.1 cd/lm 1 White Hekla XL VIC LC003D / LC006D / LC009D / LC013D 16.0° / 28.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 632a SAMSUN LED FWHM / FWTM Efficiency	Fortimo SLM L13 CoB 16.0° / 28.0° 87 % 10.1 cd/lm 1 White Hekla XL VC LC003D / LC006D / LC009D / LC013D 16.0° / 28.0° 87 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 632a   SANSUN LED FWHM / FWTM Efficiency Peak intensity	Fortimo SLM L13 CoB 16.0° / 28.0° 87 % 10.1 cd/lm 1 White Hekla XL VCC LC003D / LC006D / LC009D / LC013D 16.0° / 28.0° 87 % 8.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 632a Bender Wirth: 632a ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo SLM L13 CoB 16.0° / 28.0° 87 % 10.1 cd/lm 1 White Hekla XL VCC LC003D / LC006D / LC009D / LC013D 16.0° / 28.0° 87 % 8.8 cd/lm 1	64 59 59 59 50 50 50 50 50 50 50 50 50 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 632a Bender Wirth: 632a SANSUT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo SLM L13 CoB 16.0° / 28.0° 87 % 10.1 cd/lm 1 White Hekla XL VCC LC003D / LC006D / LC009D / LC013D 16.0° / 28.0° 87 % 8.8 cd/lm	57 600 500 500 500 500 500 500 500
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 632a Bender Wirth: 632a ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Fortimo SLM L13 CoB 16.0° / 28.0° 87 % 10.1 cd/lm 1 White Hekla XL VG LC003D / LC006D / LC009D / LC013D 16.0° / 28.0° 87 % 8.8 cd/lm 1 White	60° 100 10° 10° 10° 10° 10° 10° 10° 10° 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 632a Bender Wirth: 632a SANSUT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo SLM L13 CoB 16.0° / 28.0° 87 % 10.1 cd/lm 1 White Hekla XL VG LC003D / LC006D / LC009D / LC013D 16.0° / 28.0° 87 % 8.8 cd/lm 1 White	57. 652 94 95 106 106 106 107 107 107 107 107 107 107 107
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 632a Bender Wirth: 632a ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Fortimo SLM L13 CoB 16.0° / 28.0° 87 % 10.1 cd/lm 1 White Hekla XL VG LC003D / LC006D / LC009D / LC013D 16.0° / 28.0° 87 % 8.8 cd/lm 1 White	57. 600 90* 30* 507 600 600 600 600 600 600 600 6
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 632a I SAMSSUS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Fortimo SLM L13 CoB 16.0° / 28.0° 87 % 10.1 cd/lm 1 White Hekla XL VG LC003D / LC006D / LC009D / LC013D 16.0° / 28.0° 87 % 8.8 cd/lm 1 White	01 020 02   02 02 02   02 02 02



TRIDON	IC	90 <sup>4</sup>
LED	SLE G7 LES13	77
FWHM / FWTM	20.0° / 34.0°	
Efficiency	87 %	500
Peak intensity	6.1 cd/lm	
LEDs/each optic	1	220
Light colour	White	g
Required component	s:	
F17438_HEKLA-0	62-1	200
		15° 0° 15°



#### **GENERAL INFORMATION:**

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

#### **MATERIALS:**

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

#### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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#### LEDiL Oy

Joensuunkatu 13 FI-24240 SALO Finland

#### LEDiL Inc.

228 West Page Street Suite D Sycamore IL 60178 USA

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

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