

### YASMEEN-50-M-C-WHT

~26° spot beam. Assembly with holder C compatible with HEKLA sockets and connectors. White version.

### **TECHNICAL SPECIFICATIONS:**

Dimensions Height ROHS compliant 49.9 x 49.9 mm 28.1 mm yes 1



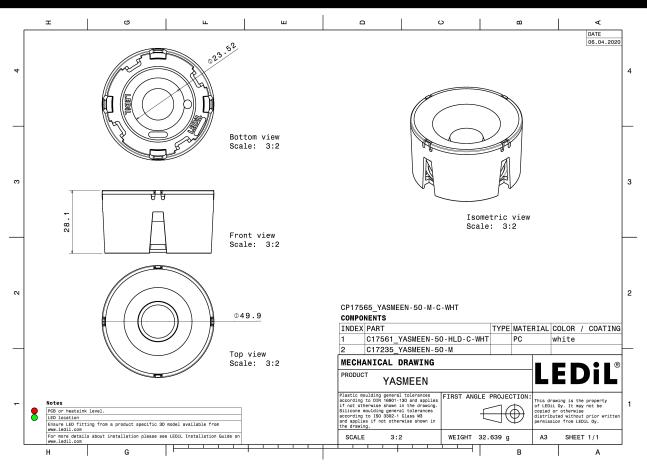
### **MATERIAL SPECIFICATIONS:**

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

#### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP17565_YASMEEN-50-M-C-WHT	Single lens	252	112	28	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 component Bender Wirth: 63		94 95 96 96 96 96 96 96 96 96 96 96
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15253_HEKLA		20 20 20 20 20 20 20 20 20 20
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15255_HEKLA		
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F15616_HEKLA		5° 5° 6° 5° 500 500 500 500 500 5° 500 500 5° 5° 500 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5°



bridgelux.		55*
LED	Vesta DTW 13mm (21W)	
FWHM / FWTM	32.0° / 56.0°	
Efficiency	90 %	
Peak intensity	2.4 cd/lm	
LEDs/each optic	1	
Light colour	Tunable White	9 <sup>4</sup>
Required compone		
Bender Wirth: 6		
		30° 125' 0° 125'
bridgelux.		59* 59*
LED	Vesta DTW 15mm (33W)	
FWHM / FWTM	33.0° / 59.0°	
Efficiency	89 %	
Peak intensity	2.1 cd/lm	60° - 00 - 00°
LEDs/each optic	1	
Light colour	Tunable White	gr gr
Required compone		
Bender Wirth: 6		
		$\times$ / $\bigvee$ $\lambda$
		20° - 20° - 20°
bridgelux.		50° 50°
LED	Vesta DTW 9mm (4W/6W/12W)	
FWHM / FWTM	24.0° / 46.0°	
Efficiency	92 %	
Peak intensity	3.8 cd/lm	
LEDs/each optic	1	
Light colour	White	ar av
Required compone	ents:	
Bender Wirth: 6		200
		30" 400 34"
		15 <sup>5</sup> 0 <sup>3</sup> 15 <sup>9</sup>
CITIZE	2N	50° 50°
LED	CLL02x/CLU02x (LES10)	
FWHM / FWTM	25.0° / 46.0°	75 701
Efficiency	91 %	
Peak intensity	3.7 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	gr. at
Required compone		
F17435_HEKLA		$\times / \times / \times$
		300
		$\times$ / $\vee$ $\times$
		30° 55° 400 55° 33°



CITIZE	N	90 <sup>×</sup> 990
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA	CLU700/701/702 24.0° / 42.0° 92 % 4.1 cd/lm 1 White ents:	
CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA	CLU7A2 (LES 4.2mm) 25.0° / 41.5° 92 % 4 cd/lm 1 White ents:	
CITIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA	CLU7B2 26.0° / 42.0° 92 % 3.8 cd/lm 1 White ents:	
CREE LEU FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17436_HEKLA	CMA1516 24.0° / 45.0° 91 % 3.9 cd/lm 1 White ents:	



	D		50*
LED	CMT14xx		
FWHM / FWTM	24.0° / 46.0°		75*
Efficiency	91 %		
Peak intensity	3.7 cd/lm		60* 1000
LEDs/each optic	1		
Light colour	White		951
Required compone			
F17435_HEKLA			
			320
			30.
			<u></u>
			90*
LED	CXA/B 13xx		73*
FWHM / FWTM	25.0° / 43.0°		
Efficiency	93 %		60*
Peak intensity	4 cd/lm		1600
LEDs/each optic	1		
Light colour	White		
Required compone			
F17439_HEKLA	A-G2-J		320
			30° 15° 0° 15°
ODEE A NEE			
CREE - LE			90*
			94.
LED	CXA/B 15xx		32 25
LED FWHM / FWTM	CXA/B 15xx 24.0° / 45.0°		32
LED FWHM / FWTM Efficiency	CXA/B 15xx 24.0° / 45.0° 92 %		915 92 95
LED FWHM / FWTM Efficiency Peak intensity	CXA/B 15xx 24.0° / 45.0°		61. 22. 24. 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CXA/B 15xx 24.0° / 45.0° 92 % 3.9 cd/lm 1		94* 77* 600 69* 500 500
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CXA/B 15xx 24.0° / 45.0° 92 % 3.9 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CXA/B 15xx 24.0° / 45.0° 92 % 3.9 cd/lm 1 White ents:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	CXA/B 15xx 24.0° / 45.0° 92 % 3.9 cd/lm 1 White ents:		97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CXA/B 15xx 24.0° / 45.0° 92 % 3.9 cd/lm 1 White ents:		97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17436_HEKLA	CXA/B 15xx 24.0° / 45.0° 92 % 3.9 cd/lm 1 White ents: G2-D		97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17436_HEKLA	CXA/B 15xx 24.0° / 45.0° 92 % 3.9 cd/lm 1 White ents: G2-D		97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17436_HEKLA	CXA/B 15xx 24.0° / 45.0° 92 % 3.9 cd/lm 1 White ents: G2-D		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17436_HEKLA	CXA/B 15xx 24.0° / 45.0° 92 % 3.9 cd/lm 1 White ents: G2-D LUXEON CoB 1202/1203 24.0° / 44.0°		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17436_HEKLA	CXA/B 15xx 24.0° / 45.0° 92 % 3.9 cd/lm 1 White ents: -G2-D <b>.EDS</b> LUXEON CoB 1202/1203 24.0° / 44.0° 91 %		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17436_HEKLA	CXA/B 15xx 24.0° / 45.0° 92 % 3.9 cd/lm 1 White ents: G2-D LUXEON CoB 1202/1203 24.0° / 44.0°		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17436_HEKLA	CXA/B 15xx 24.0° / 45.0° 92 % 3.9 cd/lm 1 White ents: -G2-D LUXEON CoB 1202/1203 24.0° / 44.0° 91 % 4 cd/lm 1		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17436_HEKLA	CXA/B 15xx 24.0° / 45.0° 92 % 3.9 cd/lm 1 White ents: -G2-D LUXEON CoB 1202/1203 24.0° / 44.0° 91 % 4 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17436_HEKLA	CXA/B 15xx 24.0° / 45.0° 92 % 3.9 cd/lm 1 White ents: A-G2-D LUXEON CoB 1202/1203 24.0° / 44.0° 91 % 4 cd/lm 1 White ents:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17436_HEKLA	CXA/B 15xx 24.0° / 45.0° 92 % 3.9 cd/lm 1 White ents: A-G2-D LUXEON CoB 1202/1203 24.0° / 44.0° 91 % 4 cd/lm 1 White ents:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17436_HEKLA	CXA/B 15xx 24.0° / 45.0° 92 % 3.9 cd/lm 1 White ents: A-G2-D LUXEON CoB 1202/1203 24.0° / 44.0° 91 % 4 cd/lm 1 White ents:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17436_HEKLA	CXA/B 15xx 24.0° / 45.0° 92 % 3.9 cd/lm 1 White ents: A-G2-D LUXEON CoB 1202/1203 24.0° / 44.0° 91 % 4 cd/lm 1 White ents:		



	EDC	
CUMIL LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17437_HEKLA	LUXEON CoB 1204HD 23.0° / 45.0° 91 % 4 cd/lm 1 White ints:	
	EDS	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17436_HEKLA	LUXEON CoB M02/M03 24.0° / 45.0° 92 % 3.9 cd/lm 1 White ints:	
	EDS	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17439_HEKLA	LUXEON CoB S01 24.0° / 42.0° 92 % 4.1 cd/lm 1 White Ints: -G2-J	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F17435_HEKLA	CXM-3 25.0° / 41.0° 92 % 3.9 cd/lm 1 White Ints:	



ELUM	INUS	9 <sup>1</sup>
LED	CXM-4	
FWHM / FWTM	25.0° / 42.0°	
Efficiency	92 %	90 <sup>4</sup>
Peak intensity	4 cd/lm	
LEDs/each optic	1	
Light colour	White	<b>7</b> <sup>4</sup> <b>(</b>
Required compone		
F17435_HEKLA	I-G2-C	
		30° 0° 15° 30
ØNICHI/		9×* 92
LED	COB L-Type (LES 9)	
FWHM / FWTM	24.0° / 44.0°	
Efficiency	91 %	
Peak intensity	3.9 cd/lm	
LEDs/each optic	1	
Light colour	White	97 - 303 - 67
Required compone		
F17437_HEKLA	-G2-H	220
		$\times$ / $\setminus$ / $\times$
		20 <sup>4</sup> 20 00 20 <sup>4</sup>
<b>ØNICHI</b>		
LED	COB S-Type (LES 7)	
FWHM / FWTM	25.0° / 44.0°	33' 200 73
Efficiency	91 %	
Peak intensity	4 cd/lm	
LEDs/each optic	1	
LEDs/each optic Light colour	1 White	gi sin or
	White	e <sup>+</sup> e
Light colour	White ents:	9°
Light colour Required compone	White ents:	
Light colour Required compone	White ents:	
Light colour Required compone F15848_HEKLA	White ents:	200 200 200 200 200 200 200 200 200 200
Light colour Required compone F15848_HEKLA	White ents: -SOCKET-G	
Light colour Required compone F15848_HEKLA	White ents: -SOCKET-G	
Light colour Required compone F15848_HEKLA	White ents: -SOCKET-G	
Light colour Required compone F15848_HEKLA PHILLE LED FWHM / FWTM	White ents: -SOCKET-G S Fortimo SLM L09 CoB 23.0° / 44.0°	
Light colour Required compone F15848_HEKLA PHILLE ED FWHM / FWTM Efficiency Peak intensity	White white SOCKET-G Fortimo SLM L09 CoB 23.0° / 44.0° 91 %	
Light colour Required compone F15848_HEKLA PHILLE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	White ents: -SOCKET-G S Fortimo SLM L09 CoB 23.0° / 44.0° 91 % 4 cd/lm	
Light colour Required compone F15848_HEKLA PHILLED FWHM / FWTM Efficiency	White ents: -SOCKET-G Fortimo SLM L09 CoB 23.0° / 44.0° 91 % 4 cd/lm 1 White	
Light colour Required compone F15848_HEKLA PHILLE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White white SOCKET-G Fortimo SLM L09 CoB 23.0° / 44.0° 91 % 4 cd/lm 1 White white white	
Light colour Required compone F15848_HEKLA PHILLED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	White white SOCKET-G Fortimo SLM L09 CoB 23.0° / 44.0° 91 % 4 cd/lm 1 White white white	
Light colour Required compone F15848_HEKLA PHILLE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	White white SOCKET-G Fortimo SLM L09 CoB 23.0° / 44.0° 91 % 4 cd/lm 1 White white white	



<b>S</b> ΛΜS	JNG	30 <sup>4</sup>	A
LED	LC003D / LC006D / LC009D / LC013D	75	$\land$
FWHM / FWTM	24.0° / 46.0°		
Efficiency	91 %	503	$   \setminus X >$
Peak intensity	3.7 cd/lm		
LEDs/each optic	1		
Light colour	White	de,	2430
Required compone			
F17435_HEKLA	-G2-C		300
			$\bigvee$ $\land$ $\rightarrow$
		305	4800 15°
SEOUL		30*	
SEOUL SEMICONDUCTOR	MJT COB LES 6		$\land$ $\vdash$
FWHM / FWTM	25.0° / 43.0°	73	
Efficiency	93 %		
Peak intensity	4 cd/lm	60 ·	1630
LEDs/each optic	1		
Light colour	White	a-	
Required compone			
F17435_HEKLA			3230
		7 <u>139</u>	0° 35°
SEOUL SEMICONDUCTOR		99°	
LED	MJT COB LES 9.8		$\land$
FWHM / FWTM	24.0° / 46.0°		
Efficiency	91 %	80	X >
Peak intensity	3.7 cd/lm		1630
LEDs/each optic	1		
Light colour	White	¢,	2430
Required compone			
F17435_HEKLA	-G2-C		3230
		$\checkmark$	
		30" 339	4800 15°
		30 <sup>4</sup>	4690 150
		34* 25 <sup>5</sup>	445 12'
	SLE G7 LES09	30 <sup>4</sup> 25 <sup>7</sup>	
LED FWHM / FWTM	SLE G7 LES09 23.0° / 44.0°	39 <sup>4</sup> 39 <sup>4</sup> 39.	
LED FWHM / FWTM Efficiency	SLE G7 LES09 23.0° / 44.0° 92 %	30" 30" 73" 60"	
LED FWHM / FWTM Efficiency Peak intensity	SLE G7 LES09 23.0° / 44.0° 92 % 4 cd/lm	30" 557 73 60	100 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	SLE G7 LES09 23.0° / 44.0° 92 % 4 cd/lm 1	30 <sup>4</sup> 30 <sup>4</sup> 30 0	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	SLE G7 LES09 23.0° / 44.0° 92 % 4 cd/lm 1 White	94 94 94 94	400 <u>100</u>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SLE G7 LES09 23.0° / 44.0° 92 % 4 cd/lm 1 White nts:	9° 	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	SLE G7 LES09 23.0° / 44.0° 92 % 4 cd/lm 1 White nts:	99* 737 737	200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SLE G7 LES09 23.0° / 44.0° 92 % 4 cd/lm 1 White nts:		



#### **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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