mail

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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STELLA-A

Type II and III beam for street lighting. Compatible with up to 30 mm LES size COBs.

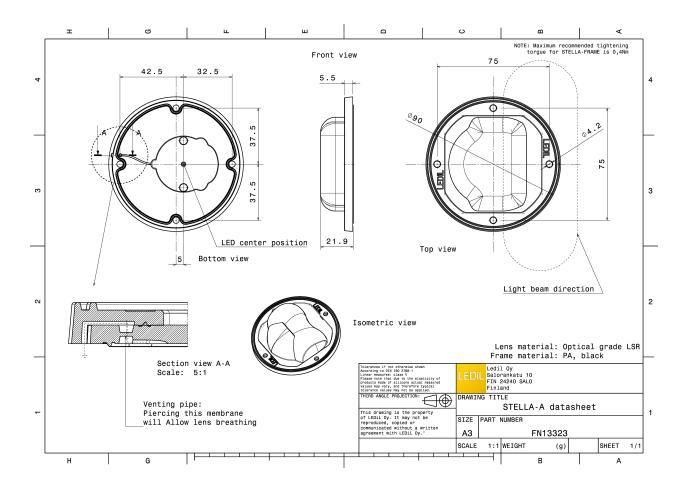
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 90.0 mm
Height	22 mm
Fastening	screw
Colour	black
Box size	
Box weight	6.6 kg
Quantity in Box	100 pcs
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

Component STELLA-A STELLA-FRAME **Type** Lens Holder Material Silicone PA66 **Colour** clear black



PRODUCT DATASHEET

FN13323_STELLA-A



bridgelux.		30*
LED	V15 Gen6	731
FWHM	Asymmetric	200
Efficiency	91 %	
Peak intensity		\times
Required comp	onents:	6° 60 6°
		\times / \times
		000
		30° 15° 30°
bridgelux.		90°
LED	V18 Gen7	
FWHM	Asymmetric	100 775*
Efficiency	85 %	60° 60°
Peak intensity	0.400 cd/lm	
Required comp		5° 5° 5°
		100
		500 500
		<u>15</u> 0 ⁴ 15
		TAY PAT
bridgelux.		80
LED	VERO13	Bin 100 Bin 10
LED FWHM	Asymmetric	20 ⁴ 0 ² 20 20 20 20
LED FWHM Efficiency	Asymmetric 92 %	Bin
LED FWHM Efficiency Peak intensity	Asymmetric 92 % 0.660 cd/lm	94 95 65 65 67 96
LED FWHM Efficiency	Asymmetric 92 % 0.660 cd/lm	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM Efficiency Peak intensity	Asymmetric 92 % 0.660 cd/lm	51 50 57 57 50 57 57 57 57 57 57 57 57 57 57 57 57 57
LED FWHM Efficiency Peak intensity	Asymmetric 92 % 0.660 cd/lm	50°
LED FWHM Efficiency Peak intensity	Asymmetric 92 % 0.660 cd/lm	21 ⁴ 20 20 20 20 20 20 20 20 20 20
LED FWHM Efficiency Peak intensity Required comp	Asymmetric 92 % 0.660 cd/lm	54° 56° 56° 50° 50° 50° 50° 50° 50° 50° 50
LED FWHM Efficiency Peak intensity	Asymmetric 92 % 0.660 cd/lm	
LED FWHM Efficiency Peak intensity Required compo	Asymmetric 92 % 0.660 cd/lm onents:	<u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>
LED FWHM Efficiency Peak intensity Required composition bridgelux. LED	Asymmetric 92 % 0.660 cd/lm onents: VERO18	<u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>
LED FWHM Efficiency Peak intensity Required composition bridgetux. LED FWHM	Asymmetric 92 % 0.660 cd/lm onents: VERO18 Asymmetric 92 %	<u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>
LED FWHM Efficiency Peak intensity Required composition bridgelux. LED FWHM Efficiency	Asymmetric 92 % 0.660 cd/lm onents: VERO18 Asymmetric 92 % 0.500 cd/lm	<u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>
LED FWHM Efficiency Peak intensity Required composite Required composite Composite Required composite Required composite Requir	Asymmetric 92 % 0.660 cd/lm onents: VERO18 Asymmetric 92 % 0.500 cd/lm	<u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>
LED FWHM Efficiency Peak intensity Required composite Required composite Composite Required composite Required composite Requir	Asymmetric 92 % 0.660 cd/lm onents: VERO18 Asymmetric 92 % 0.500 cd/lm	<u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>
LED FWHM Efficiency Peak intensity Required composite Required composite Composite Required composite Required composite Requir	Asymmetric 92 % 0.660 cd/lm onents: VERO18 Asymmetric 92 % 0.500 cd/lm	<u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>

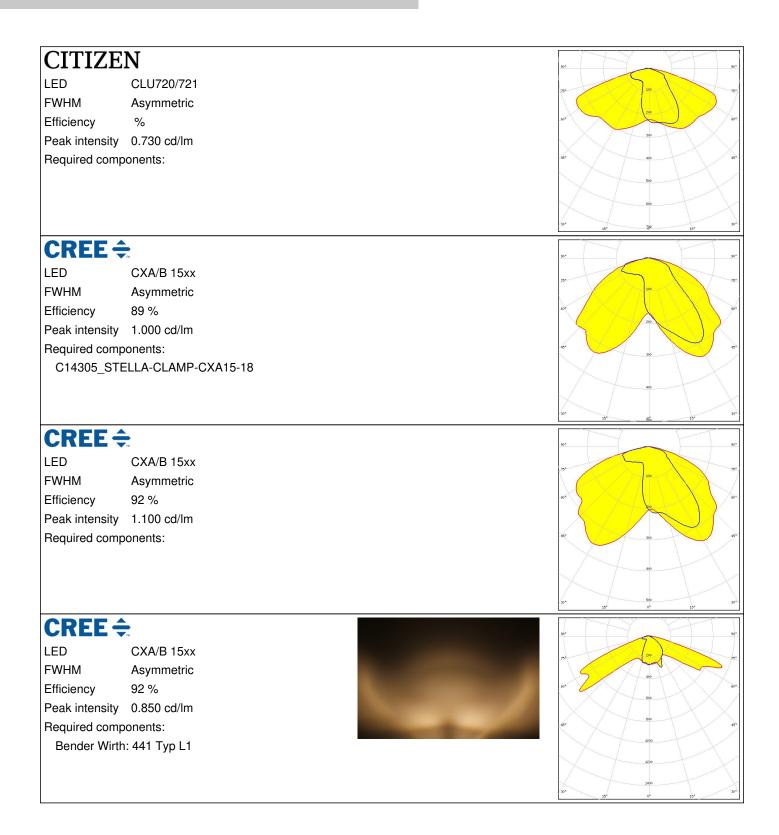


PHOTOMETRIC DATA (MEASURED):

CITIZE	N		
LED FWHM	CLL03x/CLU03x Asymmetric	-	20 200
Efficiency	92 %		60 ⁴ 200
Peak intensity			
Required comp		and the second se	45* 200 45
Bender Wirth			40
CITIZE	N		20* 20 ⁴ 20
LED	CLU700/701		5
FWHM	Asymmetric	the second se	200-78
Efficiency	89 %		00 V
Peak intensity	1.400 cd/lm		
Required comp		and the second se	6° 30 6
Bender Wirth	: 434 Typ L1		
			20° 20 20° 30
CITIZE	N		90
LED	CLU710/711		
FWHM	Asymmetric		
Efficiency	89 %		601 60
Peak intensity	0.960 cd/lm		
Required comp	onents:		43° 30 65
			400
			500
			30* 15 ⁵ 0 ⁶ 15 ⁵ 30
CITIZE	N		90 ⁴
LED	CLU720/721		751 200 75
FWHM	Asymmetric		
Efficiency	91 %	And the second	60" 60
Peak intensity		the second s	XX
Required comp			4° 500 4°
Bender Wirth	: 433 Typ L1		
			30° 15° 0° 10° 30

Last update: 23/05/2018Subject to change without prior noticeLEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.







CREE \$		
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850	
FWHM	Asymmetric	200
Efficiency	92 %	60°
Peak intensity	0.740 cd/lm	
Required comp		
C14305_STE	ELLA-CLAMP-CXA15-18	30
		400
		20 ⁻ 20 ² 40 ² 20 ²
CREE 🗧	х Ги	9° / / / / / / / / / / / / / / / / / / /
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850	5
FWHM	Asymmetric	30
Efficiency	87 %	art (300)
Peak intensity	0.620 cd/lm	20
Required comp		85° 460 .
		500
		60
CREE 4		
		90*
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850	735 550
FWHM	Asymmetric	
Efficiency	87 %	
Peak intensity		***
Required comp	onents:	40
		20
		30°* 20° 20° 3
CREE 🗧	N.	<u>30</u> ,
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850	
FWHM	Asymmetric	
Efficiency	89 %	64*
Peak intensity	0.670 cd/lm	20
Required comp		
Bender Wirth		
		× × ×
		\times / \top / \times



CREE 4		90°
LED	CXA/B 25xx	
FWHM	Asymmetric	
Efficiency	93 %	504
Peak intensity		30
Required comp		45* 400
		30*
	EDS	1250 200 150
LED	LUXEON CoB 1202/1203	90° 5
FWHM	Asymmetric	75*
Efficiency	88 %	
Peak intensity		
Required comp		
Bender Wirth		
		400
		30* 13 ³ 500 15* 30
UMIL	EDS	50 ⁺
LED	LUXEON CoB 1208	734
FWHM	Asymmetric	
Efficiency	%	50 ⁴ 200 6
Peak intensity	0.300 cd/lm	300
Required comp	onents:	45*
		50
		30* 15* 3°
	NUS	5°
LED	CXM-14	500
FWHM	Asymmetric	
Efficiency	90 %	. 66° C
Peak intensity		
Required comp		40
•		
		60
		700
		15 ² 0 ⁶ 15 ⁶ 3



Ce		
		<u>90*</u> 90*
LED	CXM-18	750 700 75*
FWHM	Asymmetric	260
Efficiency	89 %	60 ⁴ 60 ⁴
Peak intensity	0.460 cd/lm	
Required comp	ponents:	451 400 431
		00
		30* 700 30*
		15 ⁵ 0 ⁴ 15 ⁵
LED		90* 90*
FWHM		75*
	Asymmetric	
Efficiency	87 %	
Peak intensity		
Required comp	oonents:	5° 60 8°
		000
		30° 15° 30°
M		
		90° 90°
		5°
LED	COB L-Type (LES 11)	50° 00° 00° 00° 00° 00° 00° 00° 00° 00°
LED FWHM	COB L-Type (LES 11) Asymmetric	59° - 9° 73° - 100 - 7° 60° - 60°
LED FWHM Efficiency	COB L-Type (LES 11) Asymmetric 89 %	50° 50° 73° 100 78° 60° 00° 60°
LED FWHM Efficiency Peak intensity	COB L-Type (LES 11) Asymmetric 89 % 0.720 cd/lm	5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5
LED FWHM Efficiency Peak intensity Required comp	COB L-Type (LES 11) Asymmetric 89 % 0.720 cd/lm ponents:	50° 5° 60° 5°
LED FWHM Efficiency Peak intensity	COB L-Type (LES 11) Asymmetric 89 % 0.720 cd/lm ponents:	
LED FWHM Efficiency Peak intensity Required comp	COB L-Type (LES 11) Asymmetric 89 % 0.720 cd/lm ponents:	50° 00° 00° 00° 00° 00° 00° 00° 00° 00°
LED FWHM Efficiency Peak intensity Required comp Bender Wirth	COB L-Type (LES 11) Asymmetric 89 % 0.720 cd/lm ponents: h: 438 Typ L1	
LED FWHM Efficiency Peak intensity Required comp	COB L-Type (LES 11) Asymmetric 89 % 0.720 cd/lm ponents: h: 438 Typ L1	50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM Efficiency Peak intensity Required comp Bender Wirth	COB L-Type (LES 11) Asymmetric 89 % 0.720 cd/lm ponents: h: 438 Typ L1	
LED FWHM Efficiency Peak intensity Required comp Bender Wirth	COB L-Type (LES 11) Asymmetric 89 % 0.720 cd/lm ponents: h: 438 Typ L1	
LED FWHM Efficiency Peak intensity Required comp Bender Wirth	COB L-Type (LES 11) Asymmetric 89 % 0.720 cd/lm bonents: h: 438 Typ L1 COB L-Type (LES 9)	
LED FWHM Efficiency Peak intensity Required comp Bender Wirth Michio LED FWHM Efficiency	COB L-Type (LES 11) Asymmetric 89 % 0.720 cd/lm ponents: h: 438 Typ L1 COB L-Type (LES 9) Asymmetric 90 %	
LED FWHM Efficiency Peak intensity Required comp Bender Wirth MENDER LED FWHM Efficiency Peak intensity	COB L-Type (LES 11) Asymmetric 89 % 0.720 cd/lm conents: h: 438 Typ L1 COB L-Type (LES 9) Asymmetric 90 % 0.930 cd/lm	
LED FWHM Efficiency Peak intensity Required comp Bender Wirth MICHIA LED FWHM Efficiency Peak intensity Required comp	COB L-Type (LES 11) Asymmetric 89 % 0.720 cd/lm ponents: h: 438 Typ L1 COB L-Type (LES 9) Asymmetric 90 % 0.930 cd/lm ponents:	
LED FWHM Efficiency Peak intensity Required comp Bender Wirth MENDER LED FWHM Efficiency Peak intensity	COB L-Type (LES 11) Asymmetric 89 % 0.720 cd/lm ponents: h: 438 Typ L1 COB L-Type (LES 9) Asymmetric 90 % 0.930 cd/lm ponents:	
LED FWHM Efficiency Peak intensity Required comp Bender Wirth MICHIM LED FWHM Efficiency Peak intensity Required comp	COB L-Type (LES 11) Asymmetric 89 % 0.720 cd/lm ponents: h: 438 Typ L1 COB L-Type (LES 9) Asymmetric 90 % 0.930 cd/lm ponents:	



OSRAM Opto Semiconductors		50'
LED	Soleriq S13	5
FWHM	Asymmetric	
Efficiency	92 %	60 ⁴ 60 ⁴
Peak intensity	0.690 cd/lm	30
Required comp	onents:	5 ⁺ 400
Bender Wirth	: 437 Typ L1	
		30
		500
OSRAM Opto Semiconductors		13 ³ 0 ⁴ 13 ³
		90* 90*
LED	Soleriq S13	73* 100 78*
FWHM	Asymmetric	
Efficiency	91 %	50 ⁴
Peak intensity		×
Required comp	onents:	45* 45*
		\times
		200
		30* <u>660</u> 13 ⁵ 0 ⁶ 15* 30*
OSRAM Opto Semiconductors		90* 90*
LED	Soleriq S19	
FWHM	Asymmetric	73*
Efficiency	90 %	667 - 200 - 64*
Peak intensity		
Required comp		-37. 400 - 47"
		50
0 0 0 0 0 0		215 ² 0 ³ 19 ⁴
SVWSI	JNG	90* 90*
LED	COB D Series LES 14.5 mm	750 100 750
FWHM	Asymmetric	
Efficiency	87 %	64 ⁴
Peak intensity		30
Required comp	onents:	45* 400 43*
		30° 15° 0° 15° 30°



PHOTOMETRIC DATA (MEASURED):



PHOTOMETRIC DATA (SIMULATED):

bridgelux.		50* 501
LED	V10 Gen7	70 70
FWHM	Asymmetric	
Efficiency	89 %	.60 ⁴ 60 ⁴ .
Peak intensity	0.560 cd/lm	
Required compo	nents:	-65°
Bender Wirth:	434 Typ L1	440
		\times
		30 ⁴ 500
		12 ³ 0 ⁴ 13 ⁴
bridgelux.		90* 90*
LED	V13 Gen7	70 70
FWHM	Asymmetric	
Efficiency	89 %	.60 ⁴ 200 60*.
Peak intensity	0.550 cd/lm	
Required compo		-6° 300 6°
Bender Wirth:	477 Typ L1	400
		20° 20° 20°
CITIZEN	I	
LED	CLL02x/CLU02x (LES10)	90* 90*
FWHM	Asymmetric	
Efficiency	91 %	60 ⁺ 300 60 ⁺ .
Peak intensity	0.730 cd/lm	
Required compo		Net. 200
		600
		700
		20° 15° 30°
CITIZEN	I	90* po*
LED		
	CLL03x/CLU03x	5
FWHM		3 ¹
	CLL03x/CLU03x	26 Jun 77.
FWHM	CLL03x/CLU03x Asymmetric	20 6 ⁴ .70 .00
FWHM Efficiency	CLL03x/CLU03x Asymmetric 90 % 0.490 cd/lm	5° 50° 5°
FWHM Efficiency Peak intensity	CLL03x/CLU03x Asymmetric 90 % 0.490 cd/lm	20 6 ⁴ 6 ⁵ 6 ⁶ 6 ⁷ 6 ⁷ 6 ⁷ 6 ⁷
FWHM Efficiency Peak intensity	CLL03x/CLU03x Asymmetric 90 % 0.490 cd/lm	5° 6° 6°
FWHM Efficiency Peak intensity	CLL03x/CLU03x Asymmetric 90 % 0.490 cd/lm	20 20 72 6 ⁴ 20 6 ⁴ 20 6 ⁴ 20 6 ⁴ 0 70



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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