

PRODUCT DATASHEET FN13323_STELLA-A

STELLA-A

Type II and III beam for street lighting. Compatible with up to 23 mm LES size COBs. Variant with black frame.

SPECIFICATION:

Dimensions	Ø 90.0 mm
Height	22 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes 🛈



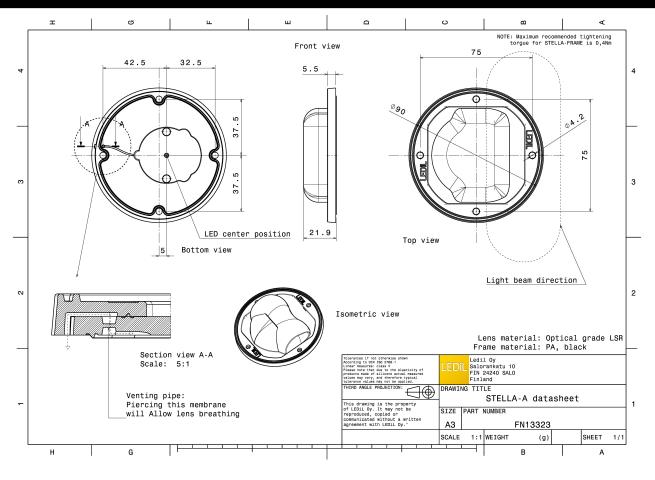
MATERIALS:

Component	Туре	Material	Colour	Finish
STELLA-A	Single lens	Silicone	clear	
STELLA-FRAME	Holder	PA66	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FN13323_STELLA-A	Single lens	100	50	10	6.6
» Box size:					

PRODUCT DATASHEET FN13323_STELLA-A



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



[
bridgelux.		30°
LED	V15 Gen6	
FWHM / FWTM	Asymmetric	75* 75*
Efficiency	91 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	400
Light colour	White	45* 45*
Required componer		600
		800
		30° 15° 0° 15° 30°
bridgelux.		
LED	V18 Gen7	90* 90*
FWHM / FWTM		251 100 255
	Asymmetric 85 %	
Efficiency		60*
Peak intensity	0.4 cd/lm	30
LEDs/each optic	1	$\times \times / \times \times$
Light colour	White	45* 460 65*
Required componer	its:	
		600
		30° 700 30° 30°
		15 ⁵ 0 ⁶ 15 [*]
bridgelux.		
bridgelux. LED	VER013	
	VERO13 Asymmetric	20 ⁻ 20 ⁻ 2
LED		90°92°
LED FWHM / FWTM Efficiency	Asymmetric 92 %	90°92°
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric	90°92°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 92 % 0.7 cd/m	50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 92 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 92 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 92 % 0.7 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 92 % 0.7 cd/lm 1 White hts: VERO18	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component bridgelux. LED FWHM / FWTM	Asymmetric 92 % 0.7 cd/lm 1 White hts: VERO18 Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component bridgeLux. LED FWHM / FWTM Efficiency	Asymmetric 92 % 0.7 cd/lm 1 White nts: VERO18 Asymmetric 92 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component bridgetux, LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 92 % 0.7 cd/m 1 White hts: VERO18 Asymmetric 92 % 0.5 cd/m	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 92 % 0.7 cd/m 1 White hts: VERO18 Asymmetric 92 % 0.5 cd/m 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.7 cd/lm 1 White hts: VERO18 Asymmetric 92 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 92 % 0.7 cd/lm 1 White hts: VERO18 Asymmetric 92 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.7 cd/lm 1 White hts: VERO18 Asymmetric 92 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.7 cd/lm 1 White hts: VERO18 Asymmetric 92 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.7 cd/lm 1 White hts: VERO18 Asymmetric 92 % 0.5 cd/lm 1 White	



	NT	
CITIZE		90* 90*
LED	CLL03x/CLU03x	
FWHM / FWTM	Asymmetric	100
Efficiency	92 %	. 60°
Peak intensity	0.6 cd/lm	200
LEDs/each optic	1	
Light colour	White	45* 300 45*
Required component		400
Bender Wirth: 43	3 Typ L1	\times $/$ \top $/$ \times
		500
		30* 15 ⁵ 0° 15* 30*
CITIZE	N	90* 90*
LED	CLU700/701/702/703	
FWHM / FWTM	Asymmetric	75* 75*
Efficiency	89 %	
Peak intensity	1.4 cd/lm	- 00
LEDs/each optic	1	200
Light colour	White	-6°
Required componer	nts:	30
Bender Wirth: 43		\times
		400
		\times
		30° 135 598 10° 30°
CITIZE	N	50°
LED		
	CLU710/711	
FWHM / FWTM	CLU710/711 Asymmetric	.75* 100
		254 Jan
FWHM / FWTM	Asymmetric	25 ⁴ 20 75 ⁴ 20 75 ⁴ 20
FWHM / FWTM Efficiency	Asymmetric 89 %	
FWHM / FWTM Efficiency Peak intensity	Asymmetric 89 % 1 cd/lm	274 60 ⁴ 60 ⁴ 60 ⁵ 60 ⁵ 60 ⁵ 60 ⁵ 60 ⁵
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 89 % 1 cd/lm 1 White	73° 6° 6° 70 70 70 6°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 89 % 1 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 89 % 1 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 89 % 1 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 89 % 1 cd/lm 1 White hts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 89 % 1 cd/lm 1 White hts: N	27° 200 00° 00 00° 00° 00°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component CITTIZE	Asymmetric 89 % 1 cd/lm 1 White hts: N CLU720/721/723	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component CITTIZE LED FWHM / FWTM	Asymmetric 89 % 1 cd/lm 1 White hts: N CLU720/721/723 Asymmetric	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component CITTIZE LED FWHM / FWTM Efficiency	Asymmetric 89 % 1 cd/lm 1 White hts: N CLU720/721/723 Asymmetric %	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Equired component Required component Efficiency Peak intensity	Asymmetric 89 % 1 cd/lm 1 White hts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 89 % 1 cd/lm 1 White hts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Equired component CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 89 % 1 cd/lm 1 White hts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 89 % 1 cd/lm 1 White hts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Equired component CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 89 % 1 cd/lm 1 White hts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Equired component CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 89 % 1 cd/lm 1 White hts:	



CITIZE	N	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 43		
CREE S LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 44		
CREE CEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CXA/B 15xx Asymmetric 92 % 1.1 cd/lm 1 White nts:	
CREE S LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14305_STELL	CXA/B 15xx Asymmetric 89 % 1 cd/lm 1 White hts: A-CLAMP-CXA15-18	



LED	CXA/B 1816 & CXA/B 1820 & CXA 1850	
FWHM / FWTM	Asymmetric	781 781
Efficiency	92 %	200
Peak intensity	0.7 cd/lm	50° 60°
LEDs/each optic	1	
Light colour	White	a, a,
Required compone		
C14305_STELL	A-CLAMP-CXA15-18	
		400
		30* 17 ² 0 ⁶ 17 ² 30*
		90° 90°
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850	750 750
FWHM / FWTM	Asymmetric	
Efficiency	87 %	50* 60*
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	X 300 X
Light colour	White	45* 45
Required compone	nts:	400
		30° 30°
		120 00 120
		90° 90°
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850	
FWHM / FWTM	Asymmetric	75* 100 75*
Efficiency	87 %	
Peak intensity	0.6 cd/lm	60* 60*
LEDs/each optic	1	X 30 X
Light colour	White	451. 451.
Required compone	nts:	400
		X/T/X
		600
		30° 15° 0° 15° 30°
CREE ≑		
LED	CYA/D 4946 9 CYA/D 4020 9 CYA 4950	90° 90°
	CXA/B 1816 & CXA/B 1820 & CXA 1850	250 100 75°
FWHM / FWTM	Asymmetric	
Efficiency	89 %	60× 200 60×
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	450 400
Required compone		X/TX
Bender Wirth: 43	37 Typ L1	50
		307 600



LEDS		90* 91
LED	CXA/B 25xx	
FWHM / FWTM	Asymmetric	750 200 750
Efficiency	93 %	
Peak intensity	0.5 cd/lm	.60* 60*
LEDs/each optic	1	
Light colour	White	45* 400 45*
Required compone	nts:	
		X T * X
		60
		200
		120 120 120
M LUMIL	EDS	50° 50°
LED	LUXEON CoB 1202/1203	
FWHM / FWTM	Asymmetric	27.0
Efficiency	88 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	-65° - 310 - 63°
Required compone		
Bender Wirth: 43	38 Typ L1	400
		\times \land \land \times
		30* <u>15</u> ³ 00 15* 30*
	EDS	
LED	LUXEON CoB 1208	
	Asymmetric	73° 100 73°
FWHM / FWTM Efficiency	Asymmetric %	75*
Efficiency		175 160 72 61 ⁴ 61 ⁴
	%	73° 500 72° 65° 000 60°
Efficiency Peak intensity	% 0.3 cd/lm	73 100 775 60 000 100 60 000 100
Efficiency Peak intensity LEDs/each optic	% 0.3 cd/lm 1 White	23 100 775 60 000 604 67 200 604
Efficiency Peak intensity LEDs/each optic Light colour	% 0.3 cd/lm 1 White	23 100 775 64 64 65 20 67
Efficiency Peak intensity LEDs/each optic Light colour	% 0.3 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour	% 0.3 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
Efficiency Peak intensity LEDs/each optic Light colour Required compone	% 0.3 cd/lm 1 White ints:	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	% 0.3 cd/lm 1 White Ints:	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	% 0.3 cd/lm 1 White ints: CxM-14 (19x19)	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	% 0.3 cd/lm 1 White ints: CxM-14 (19x19) Asymmetric	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	% 0.3 cd/lm 1 White Ints: INUS CxM-14 (19x19) Asymmetric 90 %	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	% 0.3 cd/lm 1 White ints:	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	% 0.3 cd/lm 1 White ints:	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	% 0.3 cd/lm 1 White INUS CxM-14 (19x19) Asymmetric 90 % 0.6 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	% 0.3 cd/lm 1 White INUS CxM-14 (19x19) Asymmetric 90 % 0.6 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	% 0.3 cd/lm 1 White INUS CxM-14 (19x19) Asymmetric 90 % 0.6 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	% 0.3 cd/lm 1 White INUS CxM-14 (19x19) Asymmetric 90 % 0.6 cd/lm 1 White	



C LUM	INUS	
LED	CxM-18 (21.5x21.5)	
FWHM / FWTM	Asymmetric	75° 100 75°
Efficiency	89 %	200
Peak intensity	0.5 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	45° 400 45°.
Required compone		
		200
		600
		700
		30° 15 ⁵ 0° 15° 30°
ØNICHI		9)* 91*
LED	СОВ Ј-Туре	
FWHM / FWTM	Asymmetric	750 770
Efficiency	87 %	
Peak intensity	0.5 cd/lm	50 ⁴ 50 ⁴ .
LEDs/each optic	1	40
Light colour	White	45* 5*
Required compone		660
		\times
		800
		30° 15° 30°
ØNICHI		50° 50°
LED	COB L-Type (LES 11)	
FWHM / FWTM	Asymmetric	75* 100 75*
Efficiency	89 %	
Peak intensity	0.7 cd/lm	60° (200
LEDs/each optic	1	
Light colour	White	5° 5°
Required compone	nts:	400
Bender Wirth: 43	38 Typ L1	\times \land \times
		500
		30° 30°
~		15 ³ 660 15*
ØNICHI∕		90° 90*
LED	COB L-Type (LES 9)	57
FWHM / FWTM	Asymmetric	255 200 755
Efficiency		
	90 %	
Peak intensity		er er
Peak intensity LEDs/each optic	90 % 0.9 cd/lm 1	er er
Peak intensity LEDs/each optic Light colour	90 % 0.9 cd/lm 1 White	6 ¹ 01
Peak intensity LEDs/each optic Light colour Required compone	90 % 0.9 cd/lm 1 White nts:	61 ⁴ 62 30 65 40
Peak intensity LEDs/each optic Light colour	90 % 0.9 cd/lm 1 White nts:	6°
Peak intensity LEDs/each optic Light colour Required compone	90 % 0.9 cd/lm 1 White nts:	6°
Peak intensity LEDs/each optic Light colour Required compone	90 % 0.9 cd/lm 1 White nts:	



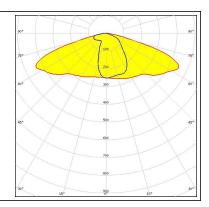
OCDAM		
OSRAM Opto Semiconductors		9.* 9.* 9.*
LED	Soleriq S13	
FWHM / FWTM	Asymmetric	736 775
Efficiency	91 %	
Peak intensity	0.7 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	45* 300
Required componer		400
		\times
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
		10* <u>640</u> 30* 15 ⁵ 0 ⁶ 15*
OSRAM Opto Semiconductors		50° 50°
LED	Soleriq S13	
FWHM / FWTM	Asymmetric	25* 100 76*
Efficiency	92 %	
Peak intensity	0.7 cd/lm	614 614
LEDs/each optic	1	30
Light colour	White	-65°
Required componer		X
Bender Wirth: 43	7 Typ L1	
		30* 30*
OSRAM		
Opto Semiconductors		90* 90*
Opto Semiconductors	Soleriq S19	90° 90°
opto Semiconductors LED FWHM / FWTM	Asymmetric	97 997 73 ¹ 100 752
opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 90 %	9° 73 100 200 00 00
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric	90° 90° 75° 100 75° 60° 60°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 90 % 0.5 cd/lm 1	9° 73' 0° 0° 70 70 70 70 70 70
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 0.5 cd/lm 1 White	97 17 17 17 10 10 10 10 10 10 10 10 10 10
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 90 % 0.5 cd/lm 1 White	97 73 69 69 200 60 60 50 60 60 60 60 60 60 60 60 60 60 60 60 60
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 0.5 cd/lm 1 White	9° 75 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 0.5 cd/lm 1 White	9° 73 100 7° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 0.5 cd/lm 1 White	97 73 73 70 70 70 70 70 70 70 70 70 70
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 90 % 0.5 cd/lm 1 White nts:	97 97 97 97 97 97 90 90 90 90 90 90 90 90 90 90
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 90 % 0.5 cd/lm 1 White hts:	9° 30 00 00 00 00 00 00 00 00 00
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 90 % 0.5 cd/lm 1 White hts: NG LC016D / LC026D / LC033D	
opte Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SAMSL LED FWHM / FWTM	Asymmetric 90 % 0.5 cd/lm 1 White hts: UNG LC016D / LC019D / LC026D / LC033D Asymmetric	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SAMSL LED FWHM / FWTM Efficiency	Asymmetric 90 % 0.5 cd/lm 1 White hts: NC LC016D / LC019D / LC026D / LC033D Asymmetric 87 %	
opte Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SAMSL LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 90 % 0.5 cd/lm 1 White hts: LC016D / LC019D / LC026D / LC033D Asymmetric 87 % 0.5 cd/lm	
opte Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SANSL LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 90 % 0.5 cd/lm 1 White nts:	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SANSL LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 0.5 cd/lm 1 White hts: LC016D / LC019D / LC026D / LC033D Asymmetric 87 % 0.5 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SANSL LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 90 % 0.5 cd/lm 1 White hts: LC016D / LC019D / LC026D / LC033D Asymmetric 87 % 0.5 cd/lm 1 White	
opte Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SANSL LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 0.5 cd/lm 1 White hts: LC016D / LC019D / LC026D / LC033D Asymmetric 87 % 0.5 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SANSL LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 0.5 cd/lm 1 White hts: LC016D / LC019D / LC026D / LC033D Asymmetric 87 % 0.5 cd/lm 1 White	



## SHARP

LED	M
FWHM / FWTM	As
Efficiency	90
Peak intensity	0.
LEDs/each optic	1
Light colour	W
Required componer	nts:

Mega Zenigata (GW6DME) Asymmetric 90 % 0.6 cd/lm 1 White





## **OPTICAL RESULTS (SIMULATED):**

bridgelux.		90° 90*
LED	V10 Gen7	
FWHM / FWTM	Asymmetric	750 100 750
Efficiency	89 %	
Peak intensity	0.6 cd/lm	50 ⁴ 200
LEDs/each optic	1	
Light colour	White	
Required components:	WIIG	107
Bender Wirth: 486 Ty		400
Dender Wirtin. 400 Ty		$\times$ / $\times$ /
		20 ⁴ 15 ⁴ 0 ⁶ 15 ⁴ 36 ⁴
bridgelux.		90°
LED	V13 Gen7	
FWHM / FWTM	Asymmetric	75° 100 75°
Efficiency	89 %	
Peak intensity	0.6 cd/lm	50* 200 50*
LEDs/each optic	1	
Light colour	White	
Required components:		
Bender Wirth: 477 Ty	n l 1	400
		$\times$ / $\times$ ×
		200
		15 ³ 0 ⁶ 15 ⁴
bridgelux		
bridgelux.	Vecto TW/ 13mm (18W/) DP	12 ⁵ 0 ⁴ 12 ⁴
LED	Vesta TW 13mm (18W) DP	100 000 000 000 000 000 000 000 000 000
LED FWHM / FWTM	Asymmetric	12 ⁶ 0 ⁴ 12 ⁴ 0 90 ⁴ 90 73 ³ 100
LED FWHM / FWTM Efficiency	Asymmetric 84 %	12 ⁶
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 84 % 0.4 cd/lm	25 ⁴ 0 ⁴ 12 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 84 % 0.4 cd/lm 1	25 ⁴ 0 ⁴ 12 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 84 % 0.4 cd/lm	25 ⁴ 0 ⁴ 12 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 84 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 84 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 84 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 84 % 0.4 cd/lm 1	12 ⁴ 0 ⁴ 12 ⁴ 30 ⁴ 30 ⁴ 9 ⁴ 40 ⁴ 30 ⁶ 6 ⁴ 30 ⁶ 9 ⁶ 6 ⁴ 30 ⁶ 6 ⁴ 6 ⁴ 30 ⁶ 6 ⁴ 6 ⁴ 30 ⁶ 9 ⁶ 6 ⁴ 30 ⁶ 9 ⁶ 3 ⁶
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 84 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 84 % 0.4 cd/lm 1 Tunable White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 84 % 0.4 cd/lm 1 Tunable White CLL02x/CLU02x (LES10)	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>CITTIZEN</b> LED FWHM / FWTM	Asymmetric 84 % 0.4 cd/lm 1 Tunable White CLL02x/CLU02x (LES10) Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>CITTIZEN</b> LED FWHM / FWTM Efficiency	Asymmetric 84 % 0.4 cd/lm 1 Tunable White CLL02x/CLU02x (LES10) Asymmetric 85 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>CITTIZEN</b> LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 84 % 0.4 cd/lm 1 Tunable White CLL02x/CLU02x (LES10) Asymmetric 85 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>CITTIZEN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 84 % 0.4 cd/lm 1 Tunable White CLL02x/CLU02x (LES10) Asymmetric 85 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CITTIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 84 % 0.4 cd/lm 1 Tunable White CLL02x/CLU02x (LES10) Asymmetric 85 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>CITTIZEN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 84 % 0.4 cd/lm 1 Tunable White CLL02x/CLU02x (LES10) Asymmetric 85 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CITTIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 84 % 0.4 cd/lm 1 Tunable White CLL02x/CLU02x (LES10) Asymmetric 85 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CITTIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 84 % 0.4 cd/lm 1 Tunable White CLL02x/CLU02x (LES10) Asymmetric 85 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CITTIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 84 % 0.4 cd/lm 1 Tunable White CLL02x/CLU02x (LES10) Asymmetric 85 % 0.6 cd/lm 1	



## **OPTICAL RESULTS (SIMULATED):**

CITIZEN	Γ	50° 50°
LED	CLL04x/CLU04x	
FWHM / FWTM	Asymmetric	79°
Efficiency	83 %	
Peak intensity	0.3 cd/lm	60° 200 60°
LEDs/each optic	1	
Light colour	White	45* 30 55
Required components		200 31° 30° do 31°
PHILIPS	5	90° - 91°
LED	Fortimo SLM L13 CoB	
FWHM / FWTM	Asymmetric	.75%
Efficiency	84 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	42, 300 42,
Required components		200 30 ⁴ 0 ⁴ 30 ⁴



# PRODUCT DATASHEET FN13323_STELLA-A

#### **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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