

PRODUCT DATASHEET FN16356_STELLA-G2-T2

STELLA-G2-T2

IESNA Type II (medium) beam, applicable for European P-class standard pedestrian lighting and M-class roads. Compatible with up to 30 mm LES size COBs. Variant with black frame.

SPECIFICATION:

Dimensions	Ø 90.0 mm
Height	27 mm
Fastening	socket
Ingress protection classes	IP67
ROHS compliant	yes 🛈



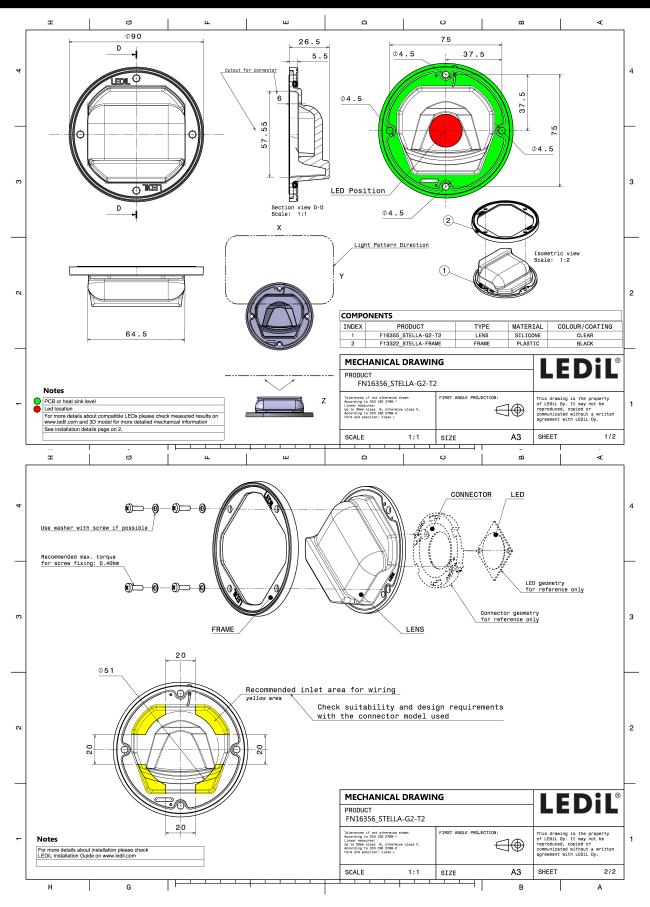
MATERIALS:

Component	Туре	Material	Colour	Finish
STELLA-G2-T2	Single lens	Silicone	clear	
STELLA-FRAME	Holder	PA66	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FN16356_STELLA-G2-T2	Single lens	135		15	7.9
» Box size: 480 x 280 x 300 mm					

PRODUCT DATASHEET FN16356_STELLA-G2-T2



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



OPTICAL RESULTS (MEASURED):

· · · · · · · · · · · · · · · · · · ·		
bridgelux.		90° 90°
LED	V22 Gen7	
FWHM / FWTM	Asymmetric	75* 100 72*
Efficiency	86 %	200
Peak intensity	0.5 cd/lm	60* 60*
LEDs/each optic	1	400
Light colour	White	45° 500 45°
Required componer		600
Bender Wirth: 43	1 Typ Z1	
		30* 30*
		15 ³ 0 ³ 15 ³
bridgelux.		80°
LED	V22 Gen7	
FWHM / FWTM	Asymmetric	100 75°
	87 %	200
Efficiency		60* 60*
Peak intensity	0.5 cd/lm	$X \times / T \times X$
LEDs/each optic	1	400
Light colour	White	45° 500 45°
Required componer		600
TE Connectivity:	2213480-1	
		30* 30*
bridgelux.		90° 90'
LED	V22 Gen7	100
FWHM / FWTM	Asymmetric	751 752
	86 %	
Efficiency	86 %	6 ¹ 99 6 ⁴
Efficiency Peak intensity	86 % 0.5 cd/lm	61 ⁵ 90 60 ⁴
Efficiency Peak intensity LEDs/each optic	86 % 0.5 cd/lm 1	81 ⁵ 30 60 ⁴ 60 ⁴
Efficiency Peak intensity LEDs/each optic Light colour	86 % 0.5 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic	86 % 0.5 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour	86 % 0.5 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour	86 % 0.5 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour	86 % 0.5 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required componer	86 % 0.5 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required componer	86 % 0.5 cd/lm 1 White hts:	
Efficiency Peak intensity LEDs/each optic Light colour Required componer CREE LEDs LED	86 % 0.5 cd/lm 1 White hts: CXA/B 25xx	
Efficiency Peak intensity LEDs/each optic Light colour Required componer	86 % 0.5 cd/lm 1 White hts: CXA/B 25xx Asymmetric	
Efficiency Peak intensity LEDs/each optic Light colour Required component ELED FWHM / FWTM Efficiency	86 % 0.5 cd/lm 1 White Its: CXA/B 25xx Asymmetric 87 %	
Efficiency Peak intensity LEDs/each optic Light colour Required componen Equired componen LED FWHM / FWTM Efficiency Peak intensity	86 % 0.5 cd/lm 1 White tts: CXA/B 25xx Asymmetric 87 % 0.6 cd/lm	
Efficiency Peak intensity LEDs/each optic Light colour Required componen Equired componen Required componen Required component Sequence Sequence Se	86 % 0.5 cd/lm 1 White tts: CXA/B 25xx Asymmetric 87 % 0.6 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required componen Required componen ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	86 % 0.5 cd/lm 1 White tts: CXA/B 25xx Asymmetric 87 % 0.6 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required componen Equired componen Required componen Required componen Sequence Sequence Seq	86 % 0.5 cd/lm 1 White tts: CXA/B 25xx Asymmetric 87 % 0.6 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required componen Required componen ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	86 % 0.5 cd/lm 1 White tts: CXA/B 25xx Asymmetric 87 % 0.6 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required componen Required componen ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	86 % 0.5 cd/lm 1 White tts: CXA/B 25xx Asymmetric 87 % 0.6 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required componen Required componen EED EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	86 % 0.5 cd/lm 1 White tts: CXA/B 25xx Asymmetric 87 % 0.6 cd/lm 1 White	



OPTICAL RESULTS (MEASURED):

SAMS	UNG	247
LED	LC040D / LC060D / LC080D	
FWHM / FWTM	Asymmetric	75°
Efficiency	86 %	200
Peak intensity	0.4 cd/lm	.60 ⁴ 300 6
LEDs/each optic	1	
Light colour	White	67
Required compon	ents:	
		60
		no
		30° 000 3
SAMS		15 ⁴ 0 ⁴ 15 ⁴
2 11112		50* 9
	LC040D / LC060D / LC080D	
LED		100
	Asymmetric	771 500
FWHM / FWTM Efficiency	Asymmetric 86 %	
FWHM / FWTM Efficiency Peak intensity	Asymmetric	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 86 % 0.5 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 0.5 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity	Asymmetric 86 % 0.5 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 0.5 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 0.5 cd/lm 1 White	



bridgelux.		90* 5
LED	V18 Gen 8	100
FWHM / FWTM	Asymmetric	12°
Efficiency	82 %	200
Peak intensity	0.5 cd/lm	e6*
LEDs/each optic	1	
Light colour	White	400
Required components:		200
Bender Wirth: 462 Ty	p Z1	60
		30 ⁴ 30 ⁶ 30 ⁶ 30 ⁶
bridgelux.		90 ⁴ 30 ⁷
LED	VERO29	
FWHM / FWTM	Asymmetric	73°
Efficiency	91 %	
Peak intensity	0.4 cd/lm	60 ⁴ 200 60*.
LEDs/each optic	1	
Light colour	White	45° 300 45°.
Required components:		
		400
		200
		(30* 15 ² 0 ⁶ 15 ⁴ 30 ⁴)
CITIZEN		90° 90°
LED	CLL02x/CLU02x (LES10)	9
FWHM / FWTM	Asymmetric	He and He
Efficiency	83 %	
Peak intensity	0.8 cd/lm	.60 ⁴
LEDs/each optic	1	600
Light colour	White	45*
Required components:		80
		1000
		1200
		130" 15 ⁵ 0 ⁶ 15 ⁴ 30 ⁶
CITIZEN		
LED	CLL03x/CLU03x	
FWHM / FWTM	Asymmetric	73° 75°
Efficiency	83 %	
Peak intensity	0.6 cd/lm	.60* 60*.
LEDs/each optic	1	X/TXX
Light colour	White	
Required components:	WING	45° 43 ⁺
required components:		800
		\times / \square \times
		1000
		30° 15° 0° 10° 30°



CITIZEN		90* 90*
LED	CLL04x/CLU04x	90° 90°
FWHM / FWTM	Asymmetric	750 700 780
Efficiency	89 %	200
Peak intensity	0.5 cd/lm	60* 60*
	1	$ X \times \top X \times$
LEDs/each optic Light colour	ı White	
Required components:	Wille	45* 560 45*
Required components.		00
		760
		90° 0% 90° 30° 30°
CITIZEN		
		90* 90*
	CLL05x/CLU05x	736
FWHM / FWTM	Asymmetric	
Efficiency	82 %	604 604
Peak intensity	0.3 cd/lm	
LEDs/each optic	1	200
Light colour	White	6. 6.
Required components:	- 1.4	
Bender Wirth: 458 Ty	p L4	
		30° 400 30° 30°
		THANKHT
LED	CMA2550	90* 90*
ED FWHM / FWTM	Asymmetric	73 * 100 75*
Efficiency	84 %	
Peak intensity	0.5 cd/lm	.50 ⁴ 300 60 ⁴
LEDs/each optic	1	
Light colour	White	50 St
Required components:	White	3°
Bender Wirth: 439 Ty	n I 3	600
Dender Wirth. 400 Ty		740
		200
		30* 15 ⁵ 960 15 ^e 30*
CREE ≑		
LED	CMA3090	*
FWHM / FWTM	Asymmetric	730 700 70
Efficiency	85 %	200
Peak intensity	0.4 cd/lm	50° 60°.
LEDs/each optic	1	
Light colour	White	45* 400 45*
U		$X \times I = X \times $
Required components:	p L3	
	p L3	*
Required components:	p L3	20



CREE ≑		THY KHT
LEDS		90* 90*
LED	CMT19xx	73* 100 73*
FWHM / FWTM	Asymmetric	
Efficiency	87 %	50° 60°.
Peak intensity	0.6 cd/lm	X 300 X /
LEDs/each optic	1	400
Light colour	White	45*
Required components:		500
		00
		700
		30* 30*
	ONTRO-	90* 90*
	CMT28xx	750 100 750
FWHM / FWTM	Asymmetric	
Efficiency	87 %	60* 60*
Peak intensity	0.4 cd/lm	300
LEDs/each optic	1	× +00
Light colour	White	AG. Gr
Required components:		
		60
		700
		30*
		15
		12 ⁴ 2 ⁴ 12 ⁷
CREE ÷ LEDs	CMT28xx	
	CMT28xx Asymmetric	
LED FWHM / FWTM Efficiency		
LED FWHM / FWTM	Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 82 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 82 % 0.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 82 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 82 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 82 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 82 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 82 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 82 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 82 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 82 % 0.4 cd/lm 1 White CMU22xx Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 82 % 0.4 cd/lm 1 White CMU22xx	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 82 % 0.4 cd/lm 1 White CMU22xx Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 82 % 0.4 cd/lm 1 White CMU22xx Asymmetric 86 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 82 % 0.4 cd/lm 1 White CMU22xx Asymmetric 86 % 0.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 82 % 0.4 cd/lm 1 White CMU22xx Asymmetric 86 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 82 % 0.4 cd/lm 1 White CMU22xx Asymmetric 86 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 82 % 0.4 cd/lm 1 White CMU22xx Asymmetric 86 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 82 % 0.4 cd/lm 1 White CMU22xx Asymmetric 86 % 0.4 cd/lm 1 White	



CREE ≑		
LEDS	CXA/B 30xx	90* 90*
FWHM / FWTM		730 750
Efficiency	Asymmetric 86 %	
Peak intensity	0.4 cd/lm	50° 60°
LEDs/each optic	1	
Light colour	White	400
Required components:	Wille	· 67*
Required components.		
		710
		90* 25 ³ 0 ⁴ 15* 30 ⁴
)S	90°
LED	LUXEON CoB 1321	
FWHM / FWTM	Asymmetric	75° 700 70°
Efficiency	90 %	
Peak intensity	0.4 cd/lm	60*
LEDs/each optic	1	
Light colour	White	6° 6°
Required components:		30
		400
		30° 30° 30° 30° 30° 30°
OSRAM Opto Semiconductors		90*
LED	Duris S8	2
FWHM / FWTM	Asymmetric	73*
Efficiency	88 %	200
Peak intensity	0.4 cd/lm	. 50 ⁴ 60 ⁴ .
LEDs/each optic	16	30
Light colour	White	5° 400 5°
Required components:		X/T/X
		200
		600
		30* 30*
		13 ⁵ Å ₀₀ 15 ⁵
TRIDONIC		90* 90*
LED	SLE G7 LES17	
FWHM / FWTM	Asymmetric	200 700 700
Efficiency	83 %	
Peak intensity	0.6 cd/lm	60°.
LEDs/each optic	1	X / T X
Light colour	White	45°
Required components:		
Bender Wirth: 466 Ty	p Z1	
		810
		30"
		19 ⁵ 1080 15 ⁴



PRODUCT DATASHEET FN16356_STELLA-G2-T2

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