

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.

TECHNICAL SPECIFICATIONS:

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



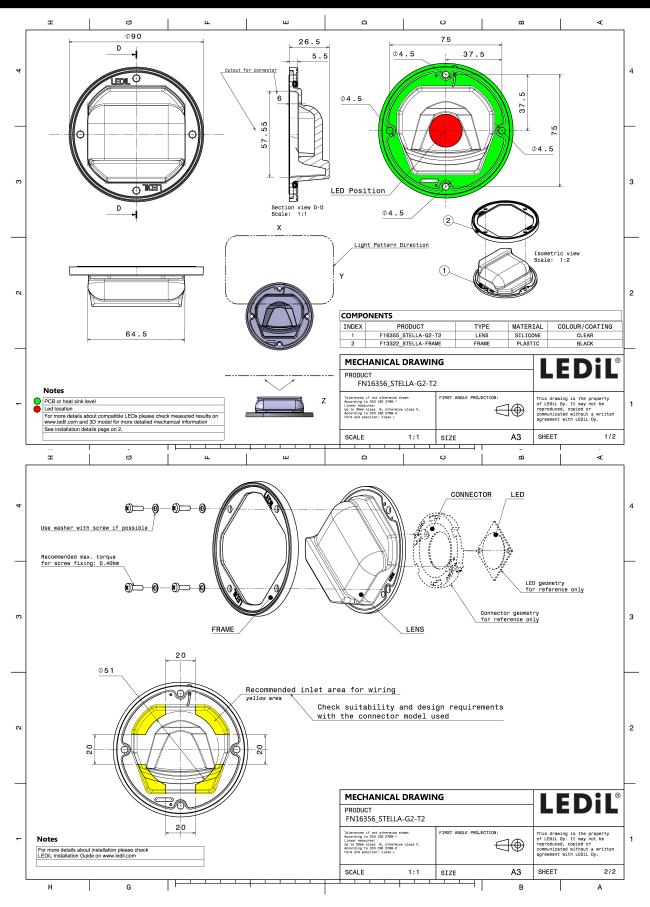
MATERIAL SPECIFICATIONS:

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					

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



PHOTOMETRIC DATA (MEASURED):

bridgelux.		50* 51*
LED	V22 Gen7	100
FWHM / FWTM	Asymmetric	75°
Efficiency	87 %	200
Peak intensity	0.5 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	$X \times \square X X$
Required compone		45° 500 45°
TE Connectivity:		600
TE Connectivity:	2213460-1	700
		30* 30*
bridgelux.		90° 90°
LED	V22 Gen7	100
FWHM / FWTM	Asymmetric	73*
Efficiency	86 %	
Peak intensity	0.5 cd/lm	200 607
LEDs/each optic	1	400
Light colour	White	65° 500 65°.
Required compone	nts:	
Bender Wirth: 43	31 Typ Z1	60
		760
		80
		30* 15° 0° 15° 30*
bridgelux.		80.
bridgelux. LED	V22 Gen7	90°
	V22 Gen7 Asymmetric	20° 20° 20° 20° 20° 20° 20° 20° 20° 20°
LED FWHM / FWTM		
LED FWHM / FWTM Efficiency	Asymmetric 86 %	5) 5) 6) 6) 6) 6) 6) 6) 6) 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 86 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 86 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 0.5 cd/lm 1 White	
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LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 86 % 0.5 cd/lm 1 White nts:	20 01 01 02 02 02 02 02 02 02 02 02 02
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 86 % 0.5 cd/lm 1 White Ints:	23 20 20 27 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 86 % 0.5 cd/lm 1 White nts: CXA/B 25xx	23 20 20 27 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 86 % 0.5 cd/lm 1 White Ints: CXA/B 25xx Asymmetric	23 20 20 27 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 86 % 0.5 cd/m 1 White nts: CXA/B 25xx Asymmetric 87 %	23 20 20 27 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 86 % 0.5 cd/lm 1 White Ints: CXA/B 25xx Asymmetric 87 % 0.6 cd/lm	23 20 20 27 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 86 % 0.5 cd/lm 1 White I CXA/B 25xx Asymmetric 87 % 0.6 cd/lm 1	20 01 01 02 02 02 02 02 02 02 02 02 02
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 0.5 cd/lm 1 White nts: CXA/B 25xx Asymmetric 87 % 0.6 cd/lm 1 White	20 01 01 02 02 02 02 02 02 02 02 02 02
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 86 % 0.5 cd/lm 1 White nts: CXA/B 25xx Asymmetric 87 % 0.6 cd/lm 1 White	20 01 01 02 02 02 02 02 02 02 02 02 02
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 0.5 cd/lm 1 White nts: CXA/B 25xx Asymmetric 87 % 0.6 cd/lm 1 White	23 20 20 27 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 0.5 cd/lm 1 White nts: CXA/B 25xx Asymmetric 87 % 0.6 cd/lm 1 White	23 20 20 27 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 0.5 cd/lm 1 White nts: CXA/B 25xx Asymmetric 87 % 0.6 cd/lm 1 White	23 20 20 27 20 20 20 20 20 20 20 20 20 20 20 20 20



PHOTOMETRIC DATA (MEASURED):

SAMS	UNG	90
LED	LC040D / LC060D / LC080D	
FWHM / FWTM	Asymmetric	72*
Efficiency	86 %	200
Peak intensity	0.4 cd/lm	. 60 ⁴ 300
LEDs/each optic	1	40
Light colour	White	
Required compone	ents:	
SAMS	UNG	59'
LED	LC040D / LC060D / LC080D	
FWHM / FWTM	Asymmetric	75
Efficiency	86 %	
Peak intensity	0.5 cd/lm	60°* 300 6
LEDs/each optic	1	400
Light colour	White	6° 70 6
Required compone	ents:	
		70



PHOTOMETRIC DATA (SIMULATED):

bridgelux. LED	VERO29	99
FWHM / FWTM	Asymmetric	75%
Efficiency	91 %	
Peak intensity	0.4 cd/lm	50* 200 50*
LEDs/each optic	1	1 mint
Light colour	White	45* 3%
Required components:		
		460
		X / T / X
		30* 45 ⁵ 0 ⁶ 15* 30*
CITIZEN		90° 99°
LED	CLL03x/CLU03x	3
FWHM / FWTM	Asymmetric	75° 200 73°
Efficiency	87 %	
Peak intensity	0.8 cd/lm	60 ⁴ 60 ⁴
LEDs/each optic	1	
Light colour	White	45'
Required components:		00
		1000
		30* 1220 30* 30*
CITIZEN		90* 99*
LED	CLL04x/CLU04x	2
FWHM / FWTM	Asymmetric	75%
Efficiency	89 %	200 Art
Peak intensity	0.5 cd/lm	604 604
LEDs/each optic	1	
Light colour	White	61 61
Required components:		
		700
		30* 800 30*
		13 ³ 0 ⁵ 15 ⁴
LED	CMT19xx	
FWHM / FWTM	Asymmetric	
Efficiency	87 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		



PHOTOMETRIC DATA (SIMULATED):

	CMT00	
LED	CMT28xx	
FWHM / FWTM	Asymmetric	
Efficiency	87 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
		80* B0*
LED	CMT28xx	
FWHM / FWTM	Asymmetric	73°
Efficiency	82 %	200
Peak intensity	0.4 cd/lm	- 66 ⁴
LEDs/each optic	1	
Light colour	White	400 43*
Required components:		
		50
		60
		30* <u>700</u> 35 ⁴ 15 ⁵ 0 ⁶ 15 ⁶
		90* 90*
LED	CXA/B 30xx	200 77°
FWHM / FWTM	Asymmetric	
Efficiency	86 %	sore of sore
Peak intensity	0.4 cd/lm	***
LEDs/each optic	1	400
Light colour	White	45* 45*
Required components:		
		500
		700
		30 ⁺ 800 30 ⁺
		15 ³ 0 ⁴ 15 ⁴
M LUMILED)S	90* 90*
LED	LUXEON CoB 1321	
FWHM / FWTM	Asymmetric	75°
Efficiency	90 %	
Peak intensity	0.4 cd/lm	60 ⁴
LEDs/each optic	1	200
Light colour	White	
Required components:		340 457
		\times
		400
		\times / \setminus \times
		30* 15 ⁵ 280 15* 30*
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PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors		5° 5°
LED	Duris S8	
FWHM / FWTM	Asymmetric	
Efficiency	88 %	30
Peak intensity	0.4 cd/lm	
LEDs/each optic	16	20
Light colour	White	-6° 40 - 6°
Required component	ts:	X/T/X
		20
		50* 55° 50°*.



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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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