

PRODUCT DATASHEET FN16441_STELLA-G2-T3

STELLA-G2-T3

IESNA Type III (medium) beam for roads that are equal to or wider than mounting height. Compatible with up to 30 mm LES size COBs. Variant with black frame.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 90.0 mm
Height	40.2 mm
Fastening	socket
Ingress protection classes	IP67
ROHS compliant	yes 🛈



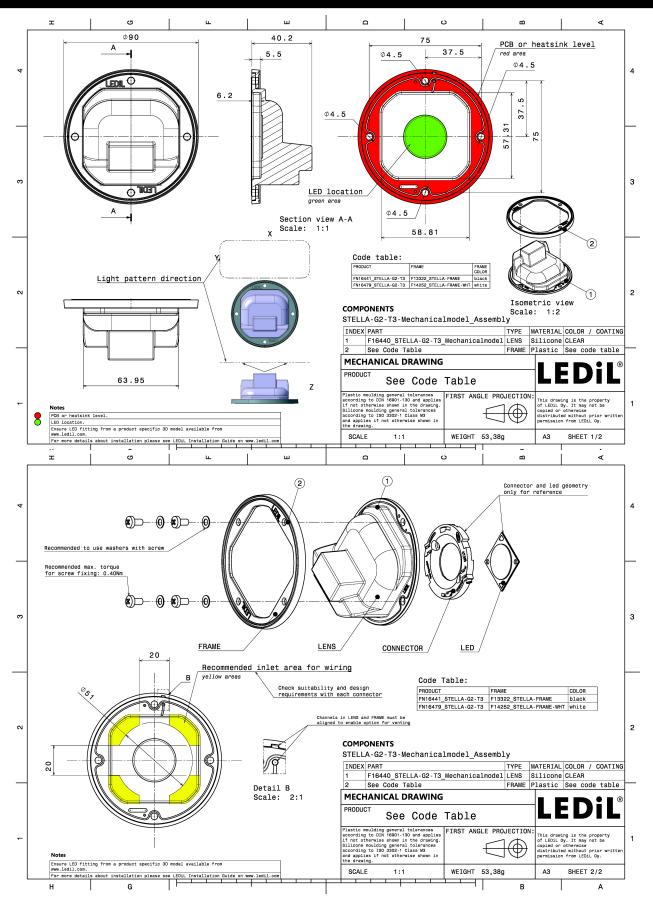
MATERIAL SPECIFICATIONS:

Component	Туре	Material	Colour	Finish
STELLA-G2-T3	Single lens	Silicone	clear	
STELLA-FRAME	Holder	PA66	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FN16441_STELLA-G2-T3	Single lens	90	90	15	5.6
» 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.		
LED	V22 Gen7	
FWHM / FWTM	Asymmetric	25° 100 75°
Efficiency	91 %	
Peak intensity	0.4 cd/lm	60° 60°
LEDs/each optic	1	30
Light colour	White	45°
Required compone		400
TE Connectivity:		
		640
		30* 13 ⁵ 0° 15* 30*
bridgelux.		
LED	V22 Gen7	2
FWHM / FWTM	Asymmetric	75*
Efficiency	90 %	
Peak intensity	0.4 cd/im	604 200 604
LEDs/each optic	1	
Light colour	White	45° (5°
Required compone		400
Bender Wirth: 43		
		500
		30* 15 ⁵ 0 ⁶ 15* 30 ⁴
bridgelux.		12 0, 12 0, 12 0, 10 0,
bridgelux.	V22 Gen7	20° 12° 0° 12° 20°
LED	V22 Gen7 Asymmetric	200 13 ⁵ 0 ⁴ 13 ⁵ 30 ⁴
LED FWHM / FWTM	V22 Gen7 Asymmetric 91 %	200 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency	Asymmetric 91 %	20 ⁻ <u>12³</u> <u>0⁴</u> <u>13⁴</u> <u>30⁴</u> <u>20⁴</u> <u>10</u> <u>50⁴</u> <u>40⁴</u> <u>10</u> <u>60⁴</u>
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric	20 ⁴ 13 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 91 % 0.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 91 % 0.4 cd/lm 1 White	6°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.4 cd/lm 1 White nts:	200 00°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 91 % 0.4 cd/lm 1 White nts:	200 100 100 100 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 91 % 0.4 cd/lm 1 White nts:	200 100 100 100 100 100 100 100 100 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 91 % 0.4 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.203	Asymmetric 91 % 0.4 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.203	Asymmetric 91 % 0.4 cd/lm 1 White nts: 0	200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.203	Asymmetric 91 % 0.4 cd/lm 1 White nts: 0 VERO18	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.203	Asymmetric 91 % 0.4 cd/lm 1 White nts: 0 VERO18 Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.203 bridgeLUX. LED FWHM / FWTM Efficiency	Asymmetric 91 % 0.4 cd/lm 1 White nts: 0 VERO18 Asymmetric 90 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.203 bridgelux. LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 91 % 0.4 cd/lm 1 White nts: 0 VERO18 Asymmetric 90 % 0.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.203 bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 91 % 0.4 cd/lm 1 White nts: 0 VERO18 Asymmetric 90 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.203 bridgeluX. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.4 cd/lm 1 White nts: 0 VERO18 Asymmetric 90 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.203 bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 91 % 0.4 cd/lm 1 White nts: 0 VERO18 Asymmetric 90 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.203 bridgeluX. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.4 cd/lm 1 White nts: 0 VERO18 Asymmetric 90 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.203 bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.4 cd/lm 1 White nts: 0 VERO18 Asymmetric 90 % 0.4 cd/lm 1 White	



PHOTOMETRIC DATA (MEASURED):

OTT		
CITIZE	N	
LED	CLL04x/CLU04x	9°
FWHM / FWTM	Asymmetric	25* 100 75*
Efficiency	91 %	
Peak intensity	0.4 cd/lm	60°
LEDs/each optic	1	
Light colour	White	
Required componer		460
BJB: 47.319.203		
		30* 15 ⁵ 0 ⁶ 15* 30*
CITIZE	Ν	90° 90°
LED	CLL04x/CLU04x	3
FWHM / FWTM	Asymmetric	75*
Efficiency	89 %	The for
Peak intensity	0.4 cd/lm	60*
LEDs/each optic	1	X / X
Light colour	White	án án
Required componer	nts:	400
		500
		000
		145 ¹ 0 ⁰ 1 ¹ / ₂
		50° 50°
LED	CMA3090	9
	CMAS090	9
	Asymmetric	75% 7100 75%
FWHM / FWTM Efficiency		29 ¹ 1 00 2 5'
FWHM / FWTM	Asymmetric	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 89 % 0.3 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 89 % 0.3 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 89 % 0.3 cd/lm 1 White	353 500 75° 65° 60 60°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 89 % 0.3 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 89 % 0.3 cd/lm 1 White	50 50 50 50 50 50 50 50 50 50
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 89 % 0.3 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 89 % 0.3 cd/lm 1 White nts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 89 % 0.3 cd/lm 1 White Ints:	200 200 200 200 200 200 200 200
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 89 % 0.3 cd/lm 1 White nts: EDS LUXEON CoB 1211	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 89 % 0.3 cd/lm 1 White nts: EDS LUXEON CoB 1211 Asymmetric	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 89 % 0.3 cd/lm 1 White Ints: EDS LUXEON CoB 1211 Asymmetric 90 %	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer COMPARENT LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 89 % 0.3 cd/lm 1 White Ints: EDS LUXEON CoB 1211 Asymmetric 90 % 0.4 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Mediate Component Required component Component Required component Required comp	Asymmetric 89 % 0.3 cd/lm 1 White hts: EDS LUXEON CoB 1211 Asymmetric 90 % 0.4 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Composition Required component Composition Required component Composition Required component Required component Required component Composition Required component Composition Required component Required component Composition Required composition Required com	Asymmetric 89 % 0.3 cd/lm 1 White hts: EDS LUXEON CoB 1211 Asymmetric 90 % 0.4 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Composition Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 89 % 0.3 cd/lm 1 White I SEDS LUXEON CoB 1211 Asymmetric 90 % 0.4 cd/lm 1 White I Substance Sub	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen With Component Equired component Component Equired component Component Equired component Component Equired component Component Equired component Component Equired component Component Equired component Equired compon	Asymmetric 89 % 0.3 cd/lm 1 White I SEDS LUXEON CoB 1211 Asymmetric 90 % 0.4 cd/lm 1 White I Substance Sub	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Composition Efficiency Peak intensity LEDs/each optic Light colour Required componer	Asymmetric 89 % 0.3 cd/lm 1 White I SEDS LUXEON CoB 1211 Asymmetric 90 % 0.4 cd/lm 1 White I Substance Sub	



PHOTOMETRIC DATA (MEASURED):

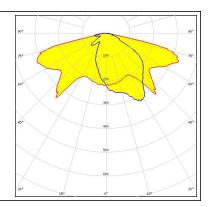
SAMSUNG LED LC040D

LLD
FWHM / FWTM
Efficiency
Peak intensity
LEDs/each optic

Light colour

Required components:

LC040D / LC060D / LC080D Asymmetric 90 % 0.4 cd/lm 1 White





PHOTOMETRIC DATA (SIMULATED):

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	VERO29 Asymmetric 93 % 0.4 cd/lm 1 White	
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	CMT28xx Asymmetric 85 % 0.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	CMT28xx Asymmetric 90 % 0.4 cd/lm 1 White	
WHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CoB 1321 Asymmetric 92 % 0.3 cd/lm 1 White	



PHOTOMETRIC DATA (SIMULATED):

F		
PHILIP	S	901 907
LED	Fortimo SLM L23 + SLM holder (PI)	E
FWHM / FWTM	Asymmetric	758 500 75%
Efficiency	91 %	
Peak intensity	0.3 cd/lm	50° 50°
LEDs/each optic	1	
Light colour	White	45* 330 45*
Required components		
		\times \top \times
		540
		30 ⁴ 15 ² 0 ³ 30 ⁴
SEOUL		
SEOUL SEMICONDUCTOR		90* 90*
LED	MJT COB LES 22	
FWHM / FWTM	Asymmetric	73*
Efficiency	90 %	
Peak intensity	0.3 cd/lm	
LEDs/each optic	1	
Light colour	White	-3° - 300 - 5°
Required components	X	\times / \times
		400
		$\times/\top \times$
		50° 20° 20° 30°



PRODUCT DATASHEET FN16441_STELLA-G2-T3

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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