

PRODUCT DATASHEET FN16258_STELLA-RS

STELLA-RS

~25° spot beam. Compatible with up to 30 mm LES size COBs. Variant with black frame.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 90.0 mm
Height	39.2 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

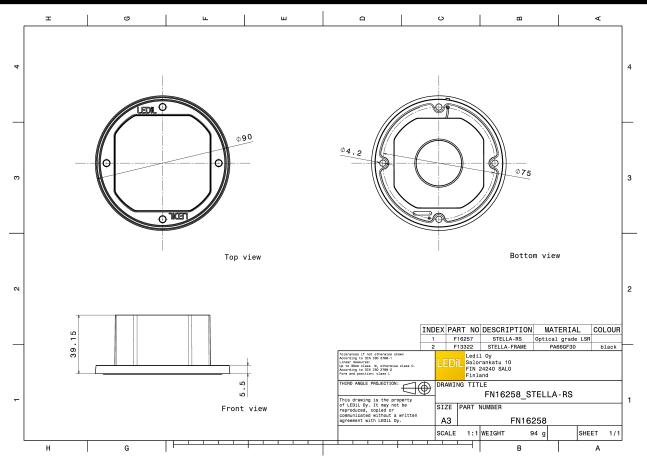
Component	Туре	Material	Colour	Finish
STELLA-RS	Single lens	Silicone	clear	
STELLA-FRAME	Holder	PA66	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FN16258_STELLA-RS	Single lens	90	90	15	9.8
» Box size: 480 x 280 x 300 mm					



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



LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone TE Connectivity		
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 43		
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	V22 Gen7 29.0° / 59.0° 94 % 2.3 cd/lm 1 White nts:	
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	VERO13 18.0° / 38.0° 94 % 6.4 cd/lm 1 White nts:	



LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	VERO18 24.0° / 49.0° 94 % 3.5 cd/lm 1 White ents:	
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	VERO29 39.0° / 84.0° 94 % 1.3 cd/lm 1 White ents:	
CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLL04x/CLU04x 29.0° / 58.0° 94 % 2.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CXA/B 1816 & CXA/B 1820 & CXA 1850 18.0° / 38.0° 94 % 6.5 cd/lm 1 White	



		50° 50°
LED	CXA/B 30xx	
FWHM / FWTM	31.0° / 61.0°	
Efficiency	94 %	
Peak intensity	2.3 cd/lm	6 ⁴⁴ - 500 - 100
LEDs/each optic	1	
Light colour	White	gr at
Required compone		
-		157 0 ⁴ 15 ⁴
UMIL	EDS	50° 50°
LED	LUXEON CoB 1211	75
FWHM / FWTM	26.0° / 53.0°	
Efficiency	94 %	ey
Peak intensity	3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	
Bender Wirth: 43	31 Typ L3	
		30° 30° 30° 30°
- (
		90* 90*
		50* 50*
LED	СОВ Н-Туре	90 ⁴ 90 ⁴
LED FWHM / FWTM	COB H-Type 30.0° / 61.0°	50° 50°
LED FWHM / FWTM Efficiency	COB H-Type 30.0° / 61.0° 94 %	50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity	COB H-Type 30.0° / 61.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	COB H-Type 30.0° / 61.0° 94 % 2.2 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	COB H-Type 30.0° / 61.0° 94 % 2.2 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	COB H-Type 30.0° / 61.0° 94 % 2.2 cd/lm 1 White	¢.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	COB H-Type 30.0° / 61.0° 94 % 2.2 cd/lm 1 White	¢.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	COB H-Type 30.0° / 61.0° 94 % 2.2 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	COB H-Type 30.0° / 61.0° 94 % 2.2 cd/lm 1 White nts:	er 309.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	COB H-Type 30.0° / 61.0° 94 % 2.2 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	COB H-Type 30.0° / 61.0° 94 % 2.2 cd/lm 1 White nts: COB J-Type	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	COB H-Type 30.0° / 61.0° 94 % 2.2 cd/lm 1 White nts: COB J-Type 20.0° / 42.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	COB H-Type 30.0° / 61.0° 94 % 2.2 cd/lm 1 White nts: COB J-Type 20.0° / 42.0° 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	COB H-Type 30.0° / 61.0° 94 % 2.2 cd/lm 1 White nts: COB J-Type 20.0° / 42.0° 94 % 5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	COB H-Type 30.0° / 61.0° 94 % 2.2 cd/lm 1 White nts: COB J-Type 20.0° / 42.0° 94 % 5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	COB H-Type 30.0° / 61.0° 94 % 2.2 cd/lm 1 White nts: COB J-Type 20.0° / 42.0° 94 % 5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	COB H-Type 30.0° / 61.0° 94 % 2.2 cd/lm 1 White nts: COB J-Type 20.0° / 42.0° 94 % 5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	COB H-Type 30.0° / 61.0° 94 % 2.2 cd/lm 1 White nts: COB J-Type 20.0° / 42.0° 94 % 5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	COB H-Type 30.0° / 61.0° 94 % 2.2 cd/lm 1 White nts: COB J-Type 20.0° / 42.0° 94 % 5 cd/lm 1 White	



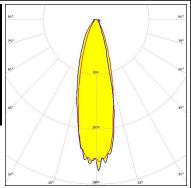
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FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:

LC040D / LC060D / LC080D 29.0° / 62.0° 93 % 2.2 cd/lm 1 White







PHOTOMETRIC DATA (SIMULATED):

bridgelux.		90° 90°
LED	V10 Gen7	
FWHM / FWTM	14.0° / 32.0°	
Efficiency	96 %	
Peak intensity	9.9 cd/lm	
LEDs/each optic	1	\times / / \wedge \times
Light colour	White	g5* d5*
Required components:		6430
Bender Wirth: 486 Ty	p L1	
		\times / \times
		30° 30° 35° 30°
bridgelux.		50° 50°
LED	VERO10	
FWHM / FWTM	13.0° / 28.0°	75'
Efficiency	94 %	X/
Peak intensity	11.9 cd/lm	60°
LEDs/each optic	1	
Light colour	White	95*
Required components:		
		9000
		30° 30°
		15° 1280 15°
CITIZEN		90° 90° 90°
	CLL05x/CLU05x	99°
LED	CLL05x/CLU05x 43.0° / 98.0°	27 28 29 29 29 29 29 29 29 29 29 29 29 29 29
LED FWHM / FWTM	43.0° / 98.0°	32 34 35 36 35 35 35 35 35 35 35 35 35 35
LED FWHM / FWTM Efficiency	43.0° / 98.0° 94 %	64 60 67 751 751 751 751 751 751 751 751 751 75
LED FWHM / FWTM Efficiency Peak intensity	43.0° / 98.0° 94 % 1 cd/lm	99 ⁴ 99 ⁴ 90 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	43.0° / 98.0° 94 % 1 cd/lm 1	10 ² 10 ² 10 ²
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	43.0° / 98.0° 94 % 1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	43.0° / 98.0° 94 % 1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	43.0° / 98.0° 94 % 1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	43.0° / 98.0° 94 % 1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	43.0° / 98.0° 94 % 1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	43.0° / 98.0° 94 % 1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	43.0° / 98.0° 94 % 1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	43.0° / 98.0° 94 % 1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	43.0° / 98.0° 94 % 1 cd/lm 1 White CMA2550 27.0° / 52.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	43.0° / 98.0° 94 % 1 cd/lm 1 White CMA2550 27.0° / 52.0° 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	43.0° / 98.0° 94 % 1 cd/lm 1 White CMA2550 27.0° / 52.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	43.0° / 98.0° 94 % 1 cd/lm 1 White CMA2550 27.0° / 52.0° 94 % 3.2 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	43.0° / 98.0° 94 % 1 cd/lm 1 White CMA2550 27.0° / 52.0° 94 % 3.2 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	43.0° / 98.0° 94 % 1 cd/lm 1 White CMA2550 27.0° / 52.0° 94 % 3.2 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	43.0° / 98.0° 94 % 1 cd/lm 1 White CMA2550 27.0° / 52.0° 94 % 3.2 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	43.0° / 98.0° 94 % 1 cd/lm 1 White CMA2550 27.0° / 52.0° 94 % 3.2 cd/lm 1	



PHOTOMETRIC DATA (SIMULATED):

		90° 90°
LED	CMA3090	
FWHM / FWTM	30.0° / 60.0°	
Efficiency	94 %	600 600 60°
Peak intensity	2.4 cd/lm	\land / / / \land \land \land
LEDs/each optic	1	
Light colour	White	43× 43*
Required components:		1600
		30 30 30 30 30 30 30 30 30 30 30 30 30 3
		90° 90°
LED	CXA/B 25xx	
FWHM / FWTM	25.0° / 50.0°	73* 73*
Efficiency	94 %	
Peak intensity	3.4 cd/lm	
LEDs/each optic	1	1600
Light colour	White	gr et
Required components:		2430
		3200
		15° 0° 15°
LUMILEC	DS Contraction of the second	90° 90°
LED	LUXEON CoB 1216/1812	
FWHM / FWTM	31.0° / 63.0°	
Efficiency	94 %	60* 60*
Peak intensity	2.1 cd/lm	
Peak intensity LEDs/each optic		
	2.1 cd/lm	gr
LEDs/each optic	2.1 cd/lm 1	
LEDs/each optic Light colour	2.1 cd/lm 1	
LEDs/each optic Light colour	2.1 cd/lm 1	
LEDs/each optic Light colour	2.1 cd/lm 1	
LEDs/each optic Light colour Required components:	2.1 cd/lm 1 White	
LEDs/each optic Light colour Required components:	2.1 cd/lm 1 White	
LEDs/each optic Light colour Required components:	2.1 cd/lm 1 White	
LEDS/each optic Light colour Required components: LED ED FWHM / FWTM	2.1 cd/lm 1 White S LUXEON CoB 1321 41.0° / 89.0°	
LEDs/each optic Light colour Required components: LED FWHM / FWTM Efficiency	2.1 cd/lm 1 White	
LEDs/each optic Light colour Required components: LED FWHM / FWTM Efficiency Peak intensity	2.1 cd/lm 1 White S LUXEON CoB 1321 41.0° / 89.0° 94 % 1.2 cd/lm	
LEDs/each optic Light colour Required components: LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	2.1 cd/lm 1 White S LUXEON CoB 1321 41.0° / 89.0° 94 % 1.2 cd/lm 1	
LEDs/each optic Light colour Required components: LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	2.1 cd/lm 1 White S LUXEON CoB 1321 41.0° / 89.0° 94 % 1.2 cd/lm	
LEDs/each optic Light colour Required components: LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	2.1 cd/lm 1 White S LUXEON CoB 1321 41.0° / 89.0° 94 % 1.2 cd/lm 1	25 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1
LEDs/each optic Light colour Required components: LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	2.1 cd/lm 1 White S LUXEON CoB 1321 41.0° / 89.0° 94 % 1.2 cd/lm 1	209
LEDs/each optic Light colour Required components: LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	2.1 cd/lm 1 White S LUXEON CoB 1321 41.0° / 89.0° 94 % 1.2 cd/lm 1	209
LEDs/each optic Light colour Required components: LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	2.1 cd/lm 1 White S LUXEON CoB 1321 41.0° / 89.0° 94 % 1.2 cd/lm 1	209



PHOTOMETRIC DATA (SIMULATED):

CUMILE	DS		99*
LED	LUXEON CoB 1825		
FWHM / FWTM	44.1° / 102.3°		200
Efficiency	94 %		
Peak intensity	0.9 cd/lm		
LEDs/each optic	1		
Light colour	White		e*
Required component	s:		204 100 100 100 100 100 100 100 100
	NUS	Polar intensity graph	90 ⁴
LED	XFM-5050 3 Die	10,0	73
FWHM / FWTM	40.0° / 164.0°	4.0	200
Efficiency	42 %		$ \land / / / \land \land \rangle $
LEDs/each optic	21		
Light colour	UV-C		5°
Required component	S:		
The UVC LED	result tolerance is ±10 %		30* 66



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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LEDiL Oy

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