

VANESSA-B-S

~17° spot beam

SPECIFICATION:

Dimensions	295.0 x 16.0 mm
Height	8 mm
ROHS compliant	yes 🛈



LEDil

MATERIALS:

Component VANESSA-B-S

Туре Linear lens

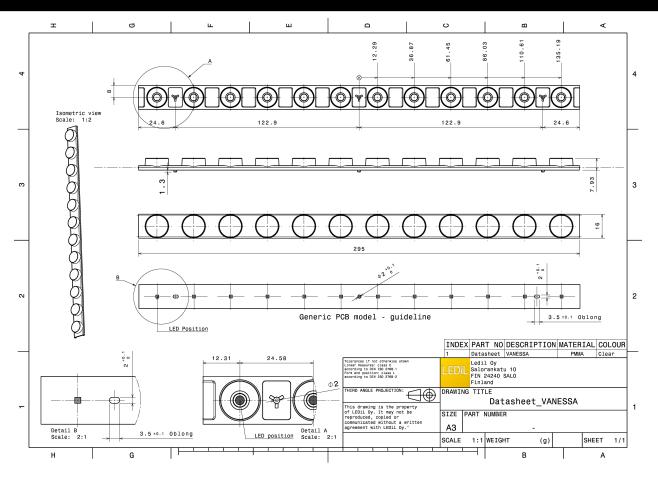
Material	Colour	Finish
PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C13869_VANESSA-B-S	448	84	14	11.2
» Box size: 350 x 350 x 380 mm				

PRODUCT DATASHEET C13869_VANESSA-B-S

PRODUCT DATASHEET C13869_VANESSA-B-S



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



OPTICAL RESULTS (MEASURED):

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-E 17.0° / 41.0° 94 % 4.9 cd/lm 1 White ints:	25, 6, 72, 25, 25, 25, 25, 25, 25, 25, 25, 25, 2
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-E2 18.0° / 42.0° 88 % 4.7 cd/lm 1 White ints:	20 ¹ 20
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G 19.0° / 46.0° 94 % 4 cd/lm 1 White ints:	904 97 97 97 900 900 900 900 900 900 900 90
CREE ÷ LED FWHM / FWTM	XP-G2 19.0° / 47.0°	<u>32.</u> <u>30.</u> <u>32.</u> <u>32.</u> <u>33.</u> <u>6.</u> <u>32.</u> <u>32.</u> <u>33.</u> <u>5.</u> <u>35.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>37.</u> <u>3</u>



OPTICAL RESULTS (MEASURED):

CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 19.0° / 46.0° 94 % 4 cd/lm 1 White ents:	9 ¹⁰ 79 90 90 90 90 90 90 90 90 90 90 90 90 90
	EDS	34 ⁴ 15 ⁷ 6 ⁶ 15 ⁷ 30 ⁴
FWHM / FWTM Efficiency	19.0° / 48.0° 94 %	20 00 75
Peak intensity	3.8 cd/lm	60* 100 K
LEDs/each optic	1	
Light colour	White	erer
Required compone	ents:	20° 200 20° 20° 20°
OSRAM Opto Semiconductors		50° 50°
LED	OSLON Square EC	
FWHM / FWTM	17.0° / 45.0°	77
Efficiency	94 %	
Peak intensity	4.2 cd/lm	
LEDs/each optic	1	
Light colour Required compone	White ents:	ar 209
		30* 127 0* 12*



OPTICAL RESULTS (SIMULATED):

[
CREE ≑		90° 90°
LEDS		
	XB-D	75'
FWHM / FWTM	20.0° / 41.0°	
Efficiency	92 %	60° 60°
Peak intensity	4.5 cd/lm	
LEDs/each optic	1	
Light colour	White	or
Required components:		3200
		30° 4000 30°
		90°
LED	LUXEON 3030 2D (Square LES)	75*
FWHM / FWTM	18.0° / 38.0°	$\wedge \land \land \land \land \land$
Efficiency	97 %	50° 50°
Peak intensity	5.5 cd/lm	
LEDs/each optic	1	
Light colour	White	52° 5339 63°
Required components:		
		30°
		15° 0° 15°
~		
ØΝΙCΗΙΛ		90° 90°
	NCSxx19A	
	NCSxx19A 16.0° / 33.0°	20 ³
LED		
LED FWHM / FWTM Efficiency	16.0° / 33.0°	
LED FWHM / FWTM Efficiency Peak intensity	16.0° / 33.0° 95 %	
LED FWHM / FWTM Efficiency	16.0° / 33.0° 95 % 6.7 cd/lm	75
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	16.0° / 33.0° 95 % 6.7 cd/lm 1	250 252
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	16.0° / 33.0° 95 % 6.7 cd/lm 1	73 64 67 77 77 77 77 77 77 77 77 77 77 77 77
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	16.0° / 33.0° 95 % 6.7 cd/lm 1	73 64 67 77 77 77 77 77 77 77 77 77 77 77 77
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	16.0° / 33.0° 95 % 6.7 cd/lm 1	77 61 61 77 77 77 77 77 77 77 77
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	16.0° / 33.0° 95 % 6.7 cd/lm 1	73 64 67 77 77 77 77 77 77 77 77 77 77 77 77
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	16.0° / 33.0° 95 % 6.7 cd/lm 1	77 61 61 77 77 77 77 77 77 77 77
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	16.0° / 33.0° 95 % 6.7 cd/lm 1	200 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	16.0° / 33.0° 95 % 6.7 cd/lm 1 White	200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	16.0° / 33.0° 95 % 6.7 cd/lm 1 White NF2x757G	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	16.0° / 33.0° 95 % 6.7 cd/lm 1 White NF2x757G 18.0° / 39.0°	200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	16.0° / 33.0° 95 % 6.7 cd/lm 1 White NF2x757G 18.0° / 39.0° 96 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	16.0° / 33.0° 95 % 6.7 cd/lm 1 White NF2x757G 18.0° / 39.0° 96 % 5.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	16.0° / 33.0° 95 % 6.7 cd/lm 1 White NF2x757G 18.0° / 39.0° 96 % 5.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	16.0° / 33.0° 95 % 6.7 cd/lm 1 White NF2x757G 18.0° / 39.0° 96 % 5.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	16.0° / 33.0° 95 % 6.7 cd/lm 1 White NF2x757G 18.0° / 39.0° 96 % 5.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	16.0° / 33.0° 95 % 6.7 cd/lm 1 White NF2x757G 18.0° / 39.0° 96 % 5.4 cd/lm 1	



OPTICAL RESULTS (SIMULATED):

Μ ΝΙCΗΙΛ		90* 90*
LED	NVSxx19B/NVSxx19C	
FWHM / FWTM	21.0° / 45.0°	23. 25.
Efficiency	92 %	
Peak intensity	3.8 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	47° 2100 43°
Required components:		
		200
		300 300
		15 ⁹ 0 ⁰ 15 ⁹
OSRAM Opto Semiconductors		90* <u>90</u> *
LED	Duris S5 (2 chip)	
FWHM / FWTM	19.0° / 38.0°	
Efficiency	94 %	60 ⁵
Peak intensity	5.4 cd/lm	
LEDs/each optic	1	
Light colour	White	97 ⁴
Required components:		
		4000
		300 300
OSRAM		
OSRAM Opto Semiconductors		10 ⁴ 10 ⁴ 10 ⁴
LED	Duris S5 (Single chip)	35 ⁻ V ⁻ 35 ⁻
LED FWHM / FWTM	16.0° / 34.0°	
LED FWHM / FWTM Efficiency	16.0° / 34.0° 94 %	
LED FWHM / FWTM Efficiency Peak intensity	16.0° / 34.0° 94 % 6.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	16.0° / 34.0° 94 % 6.9 cd/lm 1	77 64 7229
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	16.0° / 34.0° 94 % 6.9 cd/lm	g
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	16.0° / 34.0° 94 % 6.9 cd/lm 1	77 64 7229
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	16.0° / 34.0° 94 % 6.9 cd/lm 1	g
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	16.0° / 34.0° 94 % 6.9 cd/lm 1	g
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	16.0° / 34.0° 94 % 6.9 cd/lm 1	g
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	16.0° / 34.0° 94 % 6.9 cd/lm 1 White	g. 225 g. c.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	16.0° / 34.0° 94 % 6.9 cd/lm 1 White	200 210 22 23 25 100 100 100 100 100 100 100 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	16.0° / 34.0° 94 % 6.9 cd/lm 1 White	229 23 25 20 25 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM	16.0° / 34.0° 94 % 6.9 cd/lm 1 White	30. 30.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency	16.0° / 34.0° 94 % 6.9 cd/lm 1 White LH351B 21.0° / 51.0° 95 %	229 23 25 20 25 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity	16.0° / 34.0° 94 % 6.9 cd/lm 1 White	229 23 25 20 25 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	16.0° / 34.0° 94 % 6.9 cd/lm 1 White LH351B 21.0° / 51.0° 95 % 3.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	16.0° / 34.0° 94 % 6.9 cd/lm 1 White LH351B 21.0° / 51.0° 95 % 3.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	16.0° / 34.0° 94 % 6.9 cd/lm 1 White LH351B 21.0° / 51.0° 95 % 3.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	16.0° / 34.0° 94 % 6.9 cd/lm 1 White LH351B 21.0° / 51.0° 95 % 3.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	16.0° / 34.0° 94 % 6.9 cd/lm 1 White LH351B 21.0° / 51.0° 95 % 3.4 cd/lm 1	



OPTICAL RESULTS (SIMULATED):

SEOUL SEOUL SEMICONDUCTOR		59° 50°
LED	Z8Y22	77 77
FWHM / FWTM	21.0° / 39.0°	
Efficiency	94 %	
Peak intensity	4.3 cd/lm	
LEDs/each optic	1	
Light colour	White	er at
Required component	s:	320
		20 ⁴ 20 ⁴ 20 ⁴ 20 ⁴



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.

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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