

# **VANESSA-B-S**

~17° spot beam

## **TECHNICAL SPECIFICATIONS:**

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



## **MATERIAL SPECIFICATIONS:**

Component VANESSA-B-S **Type** Linear lens

Material	Colour	Finish
PMMA	clear	

### **ORDERING INFORMATION:**

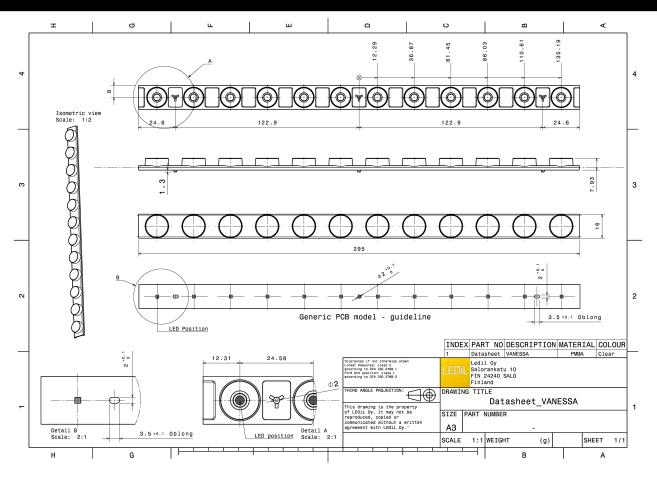
Component C13869\_VANESSA-B-S » Box size: 350 x 350 x 380 mm

Qty in box	MOQ	MPQ	Box weight (kg)
448	84	14	11.2

# PRODUCT DATASHEET C13869\_VANESSA-B-S

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## PRODUCT DATASHEET C13869\_VANESSA-B-S



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



## **PHOTOMETRIC DATA (MEASURED):**

r		
		90° 90°
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 nts:	30. 22. 12. 12. 12. 12. 12. 12. 12
		90*
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 hts:	
		50 <sup>+</sup> 50 <sup>+</sup>
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	
CREE CLED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 19.0° / 47.0° 94 % 3.9 cd/lm 1 White	



## PHOTOMETRIC DATA (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	200 - 125 - 00 200 - 05 200 - 05
UMIL	FDS	90* 90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON Rebel ES 19.0° / 48.0° 94 % 3.8 cd/lm 1 White	
OSRAM Opto Semiconductors		90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON Square EC 17.0° / 45.0° 94 % 4.2 cd/lm 1 White nts:	55 55 55 55 55 55 55 55 55 55 55 55 55



## PHOTOMETRIC DATA (SIMULATED):

CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XB-D 20.0° / 41.0° 92 % 4.5 cd/lm 1 White	50° (0) (0) (0) (0) (0) (0) (0) (0) (0) (0)
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 2D (Square LES) 18.0° / 38.0° 97 % 5.5 cd/lm 1 White	30 40 40 40 40 40 40 40 40 40 4
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NCSxx19A 16.0° / 33.0° 95 % 6.7 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NF2x757G 18.0° / 39.0° 96 % 5.4 cd/lm 1 White	200 200 200 200 200 200 200 200



## PHOTOMETRIC DATA (SIMULATED):

<b>ΜΝΙCΗΙΛ</b>		90 <sup>4</sup> 90 <sup>4</sup>
LED	NVSxx19B/NVSxx19C	
FWHM / FWTM	21.0° / 45.0°	75* 200
Efficiency	92 %	
Peak intensity	3.8 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	ar 2100 ar
Required components:		
		220
		30* 4000 30*
		4000 15° 0° 15°
OSRAM Opto Semiconductors		90°
LED	Duris S5 (2 chip)	
FWHM / FWTM	19.0° / 38.0°	
Efficiency	94 %	60° 1600 60°
Peak intensity	5.4 cd/lm	
LEDs/each optic	1	
Light colour	White	gre dze dze
Required components:		
		$\times / \times$
		4330
		30° 30*
		10 0 10
OSPAM		
OSRAM Opto Semiconductors		90° 90°
LED	Duris S5 (Single chip)	30 <sup>1</sup> 30 <sup>2</sup>
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	90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	16.0° / 34.0° 94 % 6.9 cd/lm	64
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	16.0° / 34.0° 94 % 6.9 cd/lm 1	90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	16.0° / 34.0° 94 % 6.9 cd/lm 1	gr
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	16.0° / 34.0° 94 % 6.9 cd/lm 1	gr
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	16.0° / 34.0° 94 % 6.9 cd/lm 1	gr
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	16.0° / 34.0° 94 % 6.9 cd/lm 1 White	gr
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	16.0° / 34.0° 94 % 6.9 cd/lm 1 White	200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	16.0° / 34.0° 94 % 6.9 cd/lm 1 White	25 25 25 25 25 25 25 25 25 25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM	16.0° / 34.0° 94 % 6.9 cd/lm 1 White	33. 30. 30. 30.   36. 30. 30. 30.   36. 50.0 60.0 60.0   30. 50.0 60.0 60.0   30. 50.0 60.0 60.0   37. 60.0 60.0 60.0   38. 50.0 50.0 60.0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency	16.0° / 34.0° 94 % 6.9 cd/lm 1 White LH351B 21.0° / 51.0° 95 %	25 25 25 25 25 25 25 25 25 25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity	16.0° / 34.0° 94 % 6.9 cd/lm 1 White LH351B 21.0° / 51.0° 95 % 3.4 cd/lm	25 25 25 25 25 25 25 25 25 25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> 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	64 64 64 65 66 66 66 67 60 67 60 67 67 67 67 67 67 67 67 67 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> 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	64 64 64 65 66 67 67 67 67 67 67 67 67 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SANNSUN</b> 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	22. 90 91 92 92 90 90 90 90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> 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	22. 90 91 92 92 90 90 90 90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> 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	22. 100 100 100 100 100 100 100 10



## PHOTOMETRIC DATA (SIMULATED):

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SEOUL SEMICONDUCTOR						Δ		
LED	Z8Y22							
FWHM / FWTM	21.0° / 39.0°		5	509				
Efficiency	94 %		3					
Peak intensity	4.3 cd/lm		-	598				
LEDs/each optic	1							
Light colour	White		2					
Required components	5:		3	500				
				-128.0" -112.5" -90.0	· -67.8° -45.9° -22.8°	0.0' 22.5'	45.4" 67.5" 90.1	0. 115.8. 138.0.



#### **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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