

# PRODUCT DATASHEET C13871\_VANESSA-B-O

## **VANESSA-B-O**

~45° + 20° oval beam

### **SPECIFICATION:**

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



### **MATERIALS:**

Component VANESSA-B-O

### **Type** Linear lens

Material	Colour	Finish
PMMA	clear	

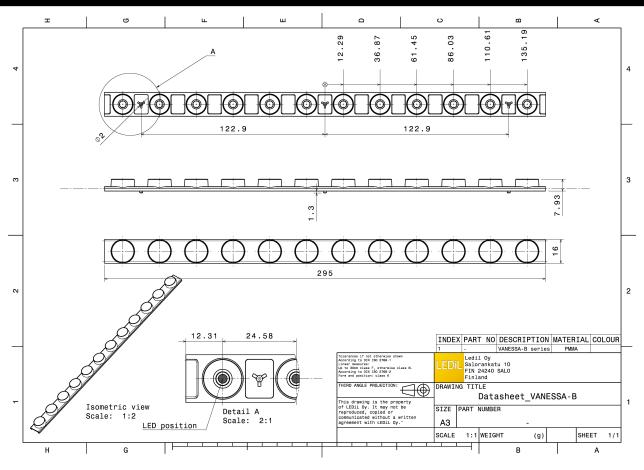
### **ORDERING INFORMATION:**

Component	
C13871_VANESSA-B-O	
» Box size: 350 x 350 x 380 mm	

Qty in box	MOQ	MPQ	Box weight (kg)
448	84	14	11.1



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



### **OPTICAL RESULTS (MEASURED):**

-		
		90* 90°
LED	XP-E	
FWHM / FWTM	45.0 + 18.0° / 77.0 + 50.0°	75* 75*
Efficiency	88 %	
Peak intensity	2.1 cd/lm	60 <sup></sup> 60 <sup></sup> 60 <sup></sup>
LEDs/each optic	1	
Light colour	White	9°
Required compone	nts:	
		300 300
		90* 90*
LED	XP-G	
FWHM / FWTM	46.0 + 21.0° / 81.0 + 60.0°	400
Efficiency	87 %	60°
Peak intensity	1.7 cd/lm	
LEDs/each optic	1	
Light colour	White	45° 1220
Required compone	nts:	
		30.0 36.0
		90° 90°
LED	XP-G2	25*
FWHM / FWTM	46.0 + 21.0° / 81.0 + 59.0°	400
Efficiency	88 %	69*
Peak intensity	1.8 cd/lm	
LEDs/each optic	1	
Light colour	White	97° 42°
Required compone	nts:	
		30° 15° 0° 35° 36°
	EDS	
		90°
	LUXEON Rebel ES	75* 75*
FWHM / FWTM	45.0 + 21.0° / 80.0 + 60.0°	400
Efficiency	89 %	60* 60°
Peak intensity	1.8 cd/lm	
LEDs/each optic	1 White	are are
Light colour	White	1200
Required compone	ms.	
		100
		$\times$ / $\checkmark$ $\times$
		30° 13° 0° 35° 30°



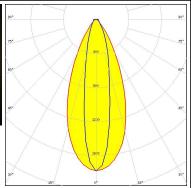
### **OPTICAL RESULTS (MEASURED):**

#### OSRAM Opto Semiconductors

LEDOFWHM / FWTM45Efficiency90Peak intensity1.4LEDs/each optic1Light colourWRequired components:

OSLON Square EC 45.0 + 20.0° / 79.0 + 58.0° 90 % 1.8 cd/lm 1 White







### **OPTICAL RESULTS (SIMULATED):**

<b></b>		
		50°
LED LEDS	XB-D	
EED FWHM / FWTM	50.0 + 19.0° / 84.0 + 47.0°	75* 75*
Efficiency	83 %	
Peak intensity	1.9 cd/lm	60*
LEDs/each optic	1.9 comm	
Light colour	' White	45* 45*
Required components:	White	1230
Required components.		
		1592
		36° 30° 36°
<b>Μ</b> ΝΙCΗΙΛ		90 <sup>4</sup> 90 <sup>4</sup>
LED	NCSxx19A	
FWHM / FWTM	21.0 + 51.0° / 57.0 + 85.0°	75° 75° 75°
Efficiency	87 %	
Peak intensity	1.8 cd/lm	
LEDs/each optic	1	
Light colour	White	5°
Required components:		1200
		1500
		36°
		15° 0° 15°
MICHIΛ		50°
	NF2x757G	90*
	NF2x757G 24.0 + 50.0° / 59.0 + 86.0°	33 35 36 36 36
LED		99* 37 00 00 99*
LED FWHM / FWTM	24.0 + 50.0° / 59.0 + 86.0°	99° 99° 73° 70° 70° 70° 70° 70° 70° 70° 70° 70° 70
LED FWHM / FWTM Efficiency	24.0 + 50.0° / 59.0 + 86.0° 88 %	59* 597 755 400 69* 60*
LED FWHM / FWTM Efficiency Peak intensity	24.0 + 50.0° / 59.0 + 86.0° 88 % 1.7 cd/lm	97 97 97 90 90 90 90 90 90 90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	24.0 + 50.0° / 59.0 + 86.0° 88 % 1.7 cd/lm 1	73°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	24.0 + 50.0° / 59.0 + 86.0° 88 % 1.7 cd/lm 1	6. 6. 6. 7. 7.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	24.0 + 50.0° / 59.0 + 86.0° 88 % 1.7 cd/lm 1	6. 6. 6. 7. 7.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	24.0 + 50.0° / 59.0 + 86.0° 88 % 1.7 cd/lm 1	6. 6. 6. 7. 7.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	24.0 + 50.0° / 59.0 + 86.0° 88 % 1.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	24.0 + 50.0° / 59.0 + 86.0° 88 % 1.7 cd/lm 1 White	6. 6. 6. 7. 7.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	24.0 + 50.0° / 59.0 + 86.0° 88 % 1.7 cd/lm 1 White Duris S5 (2 chip)	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	24.0 + 50.0° / 59.0 + 86.0° 88 % 1.7 cd/lm 1 White Duris S5 (2 chip) 53.0 + 21.0° / 85.0 + 54.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>OSRAM</b> Opto Semiconductors LED FWHM / FWTM Efficiency	24.0 + 50.0° / 59.0 + 86.0° 88 % 1.7 cd/lm 1 White Duris S5 (2 chip) 53.0 + 21.0° / 85.0 + 54.0° 89 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	24.0 + 50.0° / 59.0 + 86.0° 88 % 1.7 cd/lm 1 White Duris S5 (2 chip) 53.0 + 21.0° / 85.0 + 54.0° 89 % 1.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: COSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	24.0 + 50.0° / 59.0 + 86.0° 88 % 1.7 cd/lm 1 White Duris S5 (2 chip) 53.0 + 21.0° / 85.0 + 54.0° 89 % 1.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	24.0 + 50.0° / 59.0 + 86.0° 88 % 1.7 cd/lm 1 White Duris S5 (2 chip) 53.0 + 21.0° / 85.0 + 54.0° 89 % 1.9 cd/lm	
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LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	24.0 + 50.0° / 59.0 + 86.0° 88 % 1.7 cd/lm 1 White Duris S5 (2 chip) 53.0 + 21.0° / 85.0 + 54.0° 89 % 1.9 cd/lm 1	



### **OPTICAL RESULTS (SIMULATED):**

SAMSU	NG	50 <sup>+</sup> 50 <sup>+</sup>
LED	LH351B	
FWHM / FWTM	28.0 + 50.0° / 81.0 + 90.0°	
Efficiency	85 %	60*
Peak intensity	1.3 cd/lm	
LEDs/each optic	1	
Light colour	White	47* 60°
Required components:	s:	
		120
		30° 33°



## PRODUCT DATASHEET C13871\_VANESSA-B-O

### **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.

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