

# PRODUCT DATASHEET CA13724\_VERONICA-SQ-RS

# **VERONICA-SQ-RS**

~13° spot beam

### **TECHNICAL SPECIFICATIONS:**

Dimensions	Ø 22.5 mm
Height	12.2 mm
Fastening	tape, pin
ROHS compliant	yes 🛈



### **MATERIAL SPECIFICATIONS:**

Component **VERONICA-SQ-RS VERONICA-TAPE** 

Туре Single lens Таре

Material	Colour	Finish
PMMA	clear	
Acrylic foam	clear	

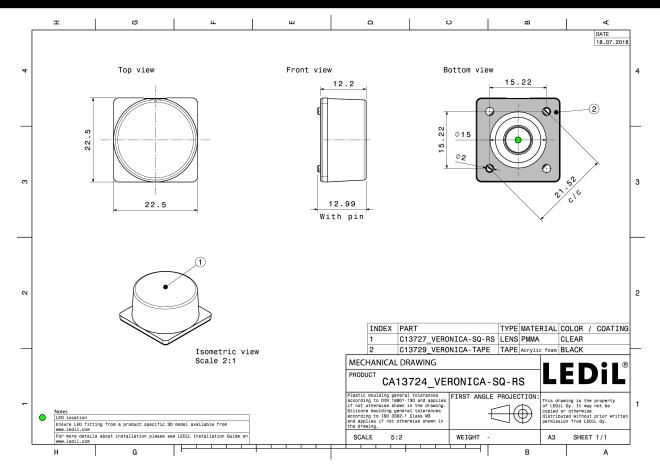
#### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA13724_VERONICA-SQ-RS	Single lens	1980	360	90	8.2
» Box size: 180 x 280 x 300 mm					

Box size: 480 x 280 x 300 mm



# PRODUCT DATASHEET CA13724\_VERONICA-SQ-RS



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



	D	90*
LED FWHM / FWTM Efficiency Peak intensity	— XB-H 12.0° / 22.0° 87 % 16 cd/lm	77 77 61 60 60 60
LEDs/each optic	1	
LEDS/each oplic	White	45' 43'
Required compone		20 <sup>4</sup> 127 0 <sup>4</sup> 12 <sup>5</sup>
	D	90°
LED	XP-E2	
FWHM / FWTM	7.0° / 17.0°	
Efficiency	97 %	60*
Peak intensity	31.7 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 45*
Required compone	ents:	
		34 <sup>6</sup> 257 <sup>7</sup> 69 <sup>6</sup> 29 <sup>7</sup>
	D	90* A 90*
	XP-G2	30,
		<u>25.</u> 25.
LED	XP-G2	87. 60. 22. 25. 26.
LED FWHM / FWTM	XP-G2 11.0° / 20.0°	90* 90 <sup>*</sup>
LED FWHM / FWTM Efficiency	XP-G2 11.0° / 20.0° 90 %	60° 000 000 23° 25° 29° 25°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G2 11.0° / 20.0° 90 % 18.8 cd/lm 1 White	62, 69, 22, 22, 24, 26, 26, 26, 26, 26, 26, 26, 26, 26, 26
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G2 11.0° / 20.0° 90 % 18.8 cd/lm 1 White	500 600 600 600 600 600 600 600 600 600
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G2 11.0° / 20.0° 90 % 18.8 cd/lm 1 White ents:	97 60 <sup>4</sup> 600 97 1100 1100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 11.0° / 20.0° 90 % 18.8 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 11.0° / 20.0° 90 % 18.8 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Model of the second	XP-G2 11.0° / 20.0° 90 % 18.8 cd/lm 1 White ents: EDS LUXEON 3030 2D (Square LES) 10.0° / 21.0° 92 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Model of the second second Required compone Efficiency Peak intensity	XP-G2 11.0° / 20.0° 90 % 18.8 cd/lm 1 White ents: EDS LUXEON 3030 2D (Square LES) 10.0° / 21.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Mediate Compone Equired Compone Equired Compone Compone Equired Compone Efficiency Peak intensity LEDs/each optic	XP-G2 11.0° / 20.0° 90 % 18.8 cd/lm 1 White ents: EDS LUXEON 3030 2D (Square LES) 10.0° / 21.0° 92 % 19.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Multiple Equired compone Efficiency Peak intensity LEDs/each optic Light colour	XP-G2 11.0° / 20.0° 90 % 18.8 cd/lm 1 White ents: LUXEON 3030 2D (Square LES) 10.0° / 21.0° 92 % 19.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Multiple Equired compone Efficiency Peak intensity LEDs/each optic	XP-G2 11.0° / 20.0° 90 % 18.8 cd/lm 1 White ents: LUXEON 3030 2D (Square LES) 10.0° / 21.0° 92 % 19.9 cd/lm 1 White	



CUMIL LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON V2 12.0° / 22.0° 94 % 15.3 cd/lm 1 White	
<b>ØNICHI</b>		99 <sup>4</sup> 99 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219F 13.0° / 23.0° 94 % 13.4 cd/lm 1 White	
ØNICHI/		50* 24*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NWSx229A 18.0° / 33.0° 88 % 6.9 cd/lm 1 White ents:	
SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH181A 10.0° / 26.0° 93 % 12.5 cd/lm 1 White	



	JNG	90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	LH181B 10.0° / 24.0° 94 % 15.8 cd/lm 1 White	
<u> </u>	ING	30,4
LED FWHM / FWTM Efficiency	LH351Z 12.0° / 20.0° 89 %	
Peak intensity LEDs/each optic Light colour	18.9 cd/lm 1 White	
Required componer		
SEOUL		39 <sup>4</sup>
SEOUL SEMICONDUCTOR	Z5M3	77
FWHM / FWTM	13.0° / 25.0°	77
Efficiency	94 %	50 T
Peak intensity	12.3 cd/lm	
LEDs/each optic	1	600
Light colour		
Required componer	White nts:	20° 120° 120°
Required component		20° 120° 12°
		30° 1000 12°
Required components	z8Y22P 12.0° / 26.0°	11000
Required component second semiconductor LED FWHM / FWTM Efficiency	Z8Y22P 12.0° / 26.0° 86 %	20 <sup>10</sup> 12 <sup>10</sup> 12 <sup>10</sup>
Required component scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	Z8Y22P 12.0° / 26.0° 86 % 11.1 cd/lm	
Required component scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Z8Y22P 12.0° / 26.0° 86 % 11.1 cd/lm 1	
Required componen scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Z8Y22P 12.0° / 26.0° 86 % 11.1 cd/lm 1 White	
Light colour Required componen SEQUE SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Z8Y22P 12.0° / 26.0° 86 % 11.1 cd/lm 1 White	



SEOUL SEOUL SEMICONDUCTOR			99 <sup>+</sup>
LED	Z8Y50P		
FWHM / FWTM	25.0° / 52.0°		
Efficiency	86 %		60 <sup>4</sup>
Peak intensity	2.8 cd/lm		$\Gamma \times / / \wedge \times$
LEDs/each optic	1		
Light colour	White		57 <u>169</u>
Required compone	ents:		209
			30* 25% 0* 25%



XHP35.2 20.0° / 37.0° 94 % 5.5 cd/lm 1 White	94* 94 94 95 95 90 90 90 90 90 90 90 90 90 90
	125° 0¢ 125°
XM-L 15.0° 91 % 1 White	
XM-L2 15.0° 92 % 1 White	
XP-E 8.0° 92 % 1 White	
	20.0° / 37.0° 94 % 5.5 cd/lm 1 White XM-L 15.0° 91 % 1 White XM-L2 15.0° 92 % 1 White



CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-E2 10.0° / 19.0° 96 % 24.7 cd/lm 1 Amber	54 54 54 54 55 55 55 55 55 55
	XP-G	
FWHM / FWTM	10.0°	
Efficiency	92 %	
LEDs/each optic Light colour	1 White	
Required components:	TTING	
		50°
LED	XP-G2 HE	75
FWHM / FWTM	14.0° / 27.0°	
Efficiency	98 %	60°
Peak intensity LEDs/each optic	11.5 cd/lm 1	
Light colour	White	6130 62°
Required components:		
		9600
		30° 35° 35°
		50° <b>4</b>
LED	XP-P	77
FWHM / FWTM	6.0° / 14.0°	
Efficiency	96 %	60* <b>5</b> 0* 60*
Peak intensity LEDs/each optic	44.5 cd/lm	
LEDs/each optic	1 White	gr
Required components:		$\mathbb{N}/\mathbb{N}$
		36° 15° 0° 15° 36°



		50°
LED	XT-E	75'
FWHM / FWTM	10.0° / 20.0°	
Efficiency	90 %	60° 60°
Peak intensity	20.4 cd/lm	
LEDs/each optic	1	
Light colour	White	45°
Required components:		
		the second secon
		30° 36°
	)S	90* A 90*
LED	LUXEON 3030 HV	
FWHM / FWTM	10.0° / 21.0°	75'
Efficiency	94 %	50° 5400 50°
Peak intensity	21 cd/lm	
LEDs/each optic	1	
Light colour	White	gr
Required components:		
		30-
	95	
LED	LUXEON A	
FWHM / FWTM	11.0°	
Efficiency	90 %	
LEDs/each optic	1	
Light colour	White	
Required components:		
	S	
LED	LUXEON R	
FWHM / FWTM	11.0°	
Efficiency	90 %	
LEDs/each optic	1	
Light colour	White	
Required components:		



## UMILEDS

LED	LUXEON Rebel
FWHM / FWTM	9.0°
Efficiency	90 %
LEDs/each optic	1
Light colour	White
Required components:	

### LUMILEDS

LED	LUXEON Rebel ES
FWHM / FWTM	11.0°
Efficiency	90 %
LEDs/each optic	1
Light colour	White
Required components:	

#### UMILEDS LED LUXEON T FWHM / FWTM 12.0° / 22.0° Efficiency 96 % Peak intensity 16.1 cd/lm LEDs/each optic 1 Light colour White Required components: LED LUXEON V FWHM / FWTM 17.0° / 31.0° 94 % Efficiency Peak intensity 7.6 cd/lm LEDs/each optic 1 White Light colour Required components:



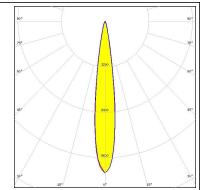
<b>Μ</b> ΝΙCΗΙΛ		
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	NCSxx19A 8.0° 88 % 1 White	
	NF0-7570	90 <sup>3</sup>
LED FWHM / FWTM	NF2x757G 10.0° / 21.0°	75
Efficiency	96 %	
Peak intensity	18.5 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	93 <sup>1</sup>
Required components:		12000
		$\times$ / $\vee$ $\times$
		30* 30*
		15° 0° 15°
<b>ΜΝΙCΗΙΛ</b>		90* 90*
LED	NV4WB35AM	
FWHM / FWTM	18.0° / 32.0°	75* 75
Efficiency	96 %	60* 60*
Peak intensity	7.9 cd/lm	220
LEDs/each optic	1	
Light colour	White	45* 4800
Required components:		
		6430
		30° 000 30° 30°
<b>MNICHIA</b>		90° 90'
	NVSxE21A	73
FWHM / FWTM Efficiency	9.4° / 21.0° 94 %	
Peak intensity	94 % 20.6 cd/lm	90 <sup>1</sup>
LEDs/each optic	1	
Light colour	White	57 J2000
Required components:		
		36-
		15° 0° 15°



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X				
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LED	NVSxx19A
FWHM / FWTM	15.0° / 28.0°
Efficiency	96 %
Peak intensity	10.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





### **Μ**ΝΙCΗΙΛ

LED	NVSxx19B/NVSxx19C
FWHM / FWTM	11.0°
Efficiency	89 %
LEDs/each optic	1
Light colour	White
Required components:	

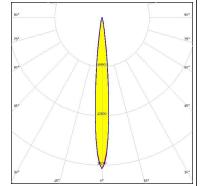
OSRAM Opto Semiconductors		90° A
LED	OSCONIQ P 3030	75* 75*
FWHM / FWTM	7.3° / 16.0°	
Efficiency	96 %	60° 60°
Peak intensity	34.7 cd/lm	
LEDs/each optic	1	
Light colour	White	41°
Required components:		
		30° 30° 30°
OSRAM		
Opto Semiconductors		90°
LED	OSLON Square CSSRM2/CSSRM3	75* 757
FWHM / FWTM	10.0° / 20.0°	
Efficiency	94 %	60° 60°
Peak intensity	20.8 cd/lm	
LEDs/each optic	1	
Light colour	White	43* 12800
Required components:		
		X   X
		300 300
		15° 0° 15°



#### OSRAM Opto Semiconductors

LEDOSLOFWHM / FWTM10.0°Efficiency94 %Peak intensity20.2 cLEDs/each optic1Light colourWhiteRequired components:1

OSLON Square EC 10.0° / 19.0° 94 % 20.2 cd/lm 1 White



#### OSRAM Opto Semiconductors

LED	OSLON Square PC
FWHM / FWTM	10.0°
Efficiency	90 %
LEDs/each optic	1
Light colour	White
Required components:	

#### OSRAM Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	8.0°
Efficiency	91 %
LEDs/each optic	1
Light colour	White
Required components:	

# LED OSLON SSL 80 FWHM / FWTM 7.0° Efficiency 90 % LEDs/each optic 1 Light colour White Required components:



SAMSUN	IG	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	LH351B 12.0° 93 % 1 White	
SEOUL		59° 59°
SEOUL SEMICONDUCTOR	MJT 3030	
FWHM / FWTM	10.0° / 20.0°	75
Efficiency	95 %	
Peak intensity	21.1 cd/lm	B0°
LEDs/each optic	1	
Light colour	White	gy* <u>12800</u> 43*
Required components:		
		30°
		123 0° 123
SEOUL		90° 90°
SEOUL SEMICONDUCTOR	Z5	
FWHM / FWTM	25 6.0° / 13.0°	75 75
Efficiency	95 %	
Peak intensity	56.6 cd/lm	age and
LEDs/each optic	1	
Light colour	White	43° 43°
Required components:	wine	
required components.		
		$\times$ / / $\times$
		30° 42° 0° 13° 30°
SEOUL		
SEOUL SEMICONDUCTOR		90* 90*
LED	Z5M4	75
FWHM / FWTM	14.0° / 26.0°	300
Efficiency	96 %	60.0 60.0
Peak intensity	12.2 cd/lm	
LEDs/each optic	1 White	gr 65°
Light colour	White	
Required components:		800
		$\times$ / $\vee$ $\times$



SEOUL SEMICONDUCTOR		30* 30*
LED	Z8Y22T	
FWHM / FWTM	12.0° / 26.0°	37
Efficiency	94 %	60 <sup>4</sup> 60 <sup>4</sup>
Peak intensity	12.9 cd/lm	
LEDs/each optic	1	600
Light colour	White	gr da
Required component	's:	



#### **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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