

VERONICA-SQ-MINI-D

~15° diffused spot beam

TECHNICAL SPECIFICATIONS:

Dimensions	13.9 x 13.9 mm
Height	8.9 mm
Fastening	tape, pin
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

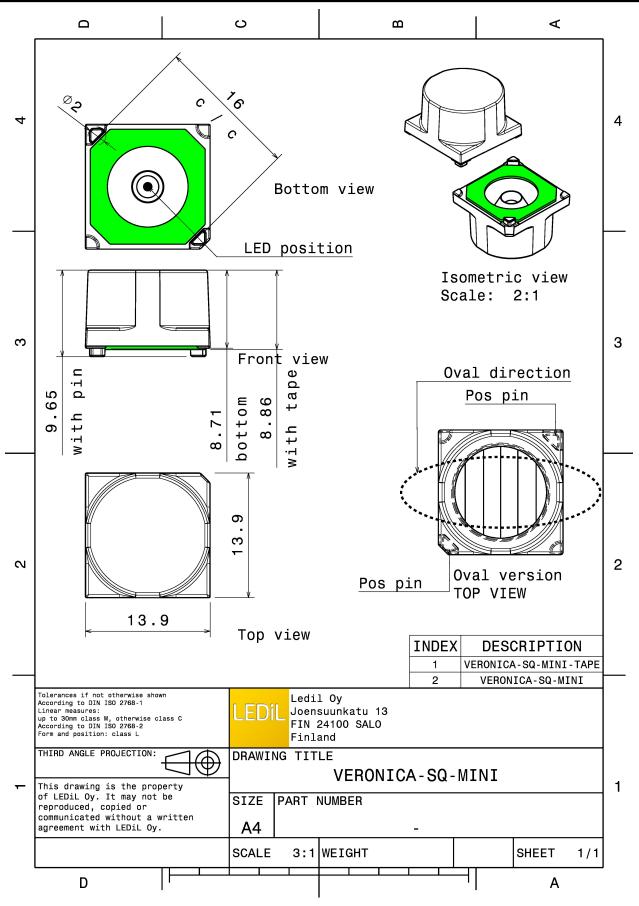
Component VERONICA-SQ-MINI-D VERONICA-SQ-MINI-TAPE **Type** Single lens Tape

Material	Colour	Finish
PMMA	clear	
Acrylic foam	clear	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA15519_VERONICA-SQ-MINI-D	Single lens	5544	252	252	8.2
» Box size: 480 x 280 x 300 mm					





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



PHOTOMETRIC DATA (MEASURED):

	D		90 ⁴ 8 90 ⁴
LED	XD16		
FWHM / FWTM	17.0° / 42.0°		
Efficiency	90 %		
Peak intensity	3.7 cd/lm		
LEDs/each optic	1		
Light colour	White		97 930 937
Required compone	ents:		
			30" 30" 400 50" 30"
			30'
LED	XP-E2		
FWHM / FWTM	15.0° / 33.0°		75*
Efficiency	92 %		
Peak intensity	7.2 cd/lm		
LEDs/each optic	1		
Light colour	White		gr er
Required compone	ents:		
			6420
			30"
	_	 	15° 0° 15°
ODEE A ME			
			20°
LED	XP-G3		90 ⁴ 90 ⁷
LED FWHM / FWTM	XP-G3 24.0° / 55.0°		90*
LED FWHM / FWTM Efficiency	XP-G3 24.0° / 55.0° 93 %		90* 92 73* 92 60* 90
LED FWHM / FWTM Efficiency Peak intensity	XP-G3 24.0° / 55.0° 93 % 2.6 cd/lm		90* 90 72* 90 72* 90 600 60*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G3 24.0° / 55.0° 93 % 2.6 cd/lm 1		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G3 24.0° / 55.0° 93 % 2.6 cd/lm 1 White		01 100 02 101 101 101
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G3 24.0° / 55.0° 93 % 2.6 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G3 24.0° / 55.0° 93 % 2.6 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G3 24.0° / 55.0° 93 % 2.6 cd/lm 1 White		
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LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G3 24.0° / 55.0° 93 % 2.6 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G3 24.0° / 55.0° 93 % 2.6 cd/lm 1 White ents:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G3 24.0° / 55.0° 93 % 2.6 cd/lm 1 White ents:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G3 24.0° / 55.0° 93 % 2.6 cd/lm 1 White ents: NCSxE17A 17.0° / 44.0°		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G3 24.0° / 55.0° 93 % 2.6 cd/lm 1 White ents: NCSxE17A 17.0° / 44.0° 89 %		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIM LED FWHM / FWTM Efficiency Peak intensity	XP-G3 24.0° / 55.0° 93 % 2.6 cd/lm 1 White ents: NCSxE17A 17.0° / 44.0° 89 % 3.6 cd/lm		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Required compone Equired compone WHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G3 24.0° / 55.0° 93 % 2.6 cd/lm 1 White ents: NCSxE17A 17.0° / 44.0° 89 % 3.6 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIM LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G3 24.0° / 55.0° 93 % 2.6 cd/lm 1 White ents: NCSxE17A 17.0° / 44.0° 89 % 3.6 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIM LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G3 24.0° / 55.0° 93 % 2.6 cd/lm 1 White ents: NCSxE17A 17.0° / 44.0° 89 % 3.6 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIM LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G3 24.0° / 55.0° 93 % 2.6 cd/lm 1 White ents: NCSxE17A 17.0° / 44.0° 89 % 3.6 cd/lm 1 White		



PHOTOMETRIC DATA (MEASURED):

OSRAM Opto Ser LED Duris S5 (2 chip) FWHM / FWTM 20.0° / 48.0° Efficiency 93 % Peak intensity 3.5 cd/lm LEDs/each optic 1 Light colour White Required components: OSRAM Opto Se LED SFH 4170S FWHM / FWTM 11.0° / 31.0° Efficiency % LEDs/each optic 1 IR Light colour Required components: OSRAM Opto Semiconductors LED SFH 4180S FWHM / FWTM 11.0° / 29.0° Efficiency % LEDs/each optic 1 Light colour IR Required components: SAMSUNG LED LH181A FWHM / FWTM 19.0° / 51.0° Efficiency 88 % Peak intensity 2.4 cd/lm LEDs/each optic 1 White Light colour Required components:

Last update: 26/02/2020 Subject to change without prior notice LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.



PHOTOMETRIC DATA (MEASURED):

SAMS	JNG		30 ¹
LED	LH181B		75*
FWHM / FWTM	19.0° / 50.0°		
Efficiency	90 %		60 ⁵ 60 ⁵
Peak intensity	2.9 cd/lm		
LEDs/each optic	1		1570
Light colour	White		42.
Required compone	ents:	_	210
			30 ⁶ 25 ⁵ 0 ⁶ 35 ⁵



PHOTOMETRIC DATA (SIMULATED):

CREES LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	J Series 3030 18.0° / 38.0° 94 % 6.1 cd/lm 1 White	91 ⁴ 92 ⁵ 91 ⁵
LED FWHM / FWTM Efficiency Peak intensity	XP-G2 HE 26.0° / 49.0° 97 % 3.4 cd/lm	81 92 90 90 92 92 93
LEDs/each optic Light colour Required components:	1 White	607 607 203 30 ⁴ 127 6 ⁴ 12 ⁴ 12 ⁴ 12 ⁵
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 14.0° / 32.0° 96 % 8.4 cd/lm 1 PC Amber	30° 50° 50° 50° 50° 50° 50° 50° 50° 50° 5
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 HV 18.0° / 43.0° 95 % 5.1 cd/lm 1 White	27 27 27 27 27 27 27 27 27 27



PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors		90*
LED	OSCONIQ P 3737 (2W version)	
FWHM / FWTM	18.0° / 39.0°	75°
Efficiency	94 %	1600
Peak intensity	5.6 cd/lm	50°
LEDs/each optic	1	
Light colour	White	45° 45°
Required components:	Wille	
required components.		X X
		4000
		\vee / \vee \vee
		30 ⁶ 15 ⁵ 0 ⁶ 15 ⁵
OSRAM Opto Semiconductors		90 ⁴
LED	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	19.0° / 38.0°	75*
Efficiency	94 %	1000
Peak intensity	5.8 cd/lm	60°
LEDs/each optic	1	
Light colour	White	ez. ez.
Required components:	White	
required components.		
		4830
		\times / \vee \times
		30° 30° 30°
SAMSUN	10	
		90° 90°
		90* 90*
LED	LH351B	73.
LED FWHM / FWTM	LH351B 24.0° / 47.0°	
LED FWHM / FWTM Efficiency	LH351B 24.0° / 47.0° 94 %	25°
LED FWHM / FWTM Efficiency Peak intensity	LH351B 24.0° / 47.0° 94 % 3.8 cd/lm	73.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B 24.0° / 47.0° 94 % 3.8 cd/lm 1	25°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 24.0° / 47.0° 94 % 3.8 cd/lm	25°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B 24.0° / 47.0° 94 % 3.8 cd/lm 1	77 00 77 97 07
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 24.0° / 47.0° 94 % 3.8 cd/lm 1	77 00 77 97 07
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 24.0° / 47.0° 94 % 3.8 cd/lm 1	77 00 99 00 00 00 00 00 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 24.0° / 47.0° 94 % 3.8 cd/lm 1	77 - 200 - 97 - 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 24.0° / 47.0° 94 % 3.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B 24.0° / 47.0° 94 % 3.8 cd/lm 1 White	75
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: second semiconductor LED	LH351B 24.0° / 47.0° 94 % 3.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: stout.stmiconductor LED FWHM / FWTM	LH351B 24.0° / 47.0° 94 % 3.8 cd/lm 1 White MJT 3030 18.0° / 41.0°	75 60 50 50 50 50 50 50 50 50 50 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B 24.0° / 47.0° 94 % 3.8 cd/lm 1 White MJT 3030 18.0° / 41.0° 96 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B 24.0° / 47.0° 94 % 3.8 cd/lm 1 White MJT 3030 18.0° / 41.0° 96 % 5.4 cd/lm	75 60 50 50 50 50 50 50 50 50 50 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B 24.0° / 47.0° 94 % 3.8 cd/lm 1 White MJT 3030 18.0° / 41.0° 96 % 5.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B 24.0° / 47.0° 94 % 3.8 cd/lm 1 White MJT 3030 18.0° / 41.0° 96 % 5.4 cd/lm	75 60 50 50 50 50 50 50 50 50 50 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B 24.0° / 47.0° 94 % 3.8 cd/lm 1 White MJT 3030 18.0° / 41.0° 96 % 5.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B 24.0° / 47.0° 94 % 3.8 cd/lm 1 White MJT 3030 18.0° / 41.0° 96 % 5.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B 24.0° / 47.0° 94 % 3.8 cd/lm 1 White MJT 3030 18.0° / 41.0° 96 % 5.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B 24.0° / 47.0° 94 % 3.8 cd/lm 1 White MJT 3030 18.0° / 41.0° 96 % 5.4 cd/lm 1	



PHOTOMETRIC DATA (SIMULATED):

SEOUL SEMICONDUCTOR		50 ⁴ 50 ⁴
LED	Z8Y22T	75
FWHM / FWTM	20.0° / 52.0°	
Efficiency	94 %	
Peak intensity	3.4 cd/lm	
LEDs/each optic	1	
Light colour	White	9° e.
Required component	ts:	300



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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