

PRODUCT DATASHEET C13529_VERONICA-O

VERONICA-O

~55° + 10° oval beam

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 26.0 mm
Height	12.2 mm
Fastening	glue, pin
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

Component VERONICA-O **Type** Single lens

Material	Colour	Finish
PMMA	clear	

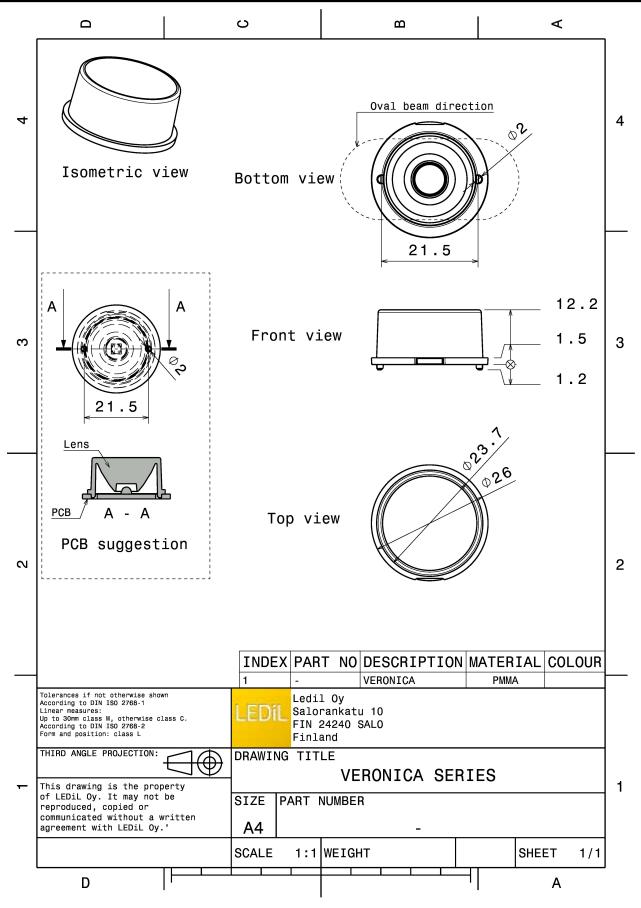
ORDERING INFORMATION:

Component		
C13529_VERONICA-O		
» Box size: 480 x 280 x 300 mm		

Qty in box	MOQ	MPQ	Box weight (kg)
2240	336	112	11.1



PRODUCT DATASHEET C13529_VERONICA-O



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

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	D	20 ⁴ 20 ⁵
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	MK-R 48.0 + 28.0° / 85.0 + 58.0° 80 % 1.6 cd/Im 1 White	
CREE CLE	XHP35 HD 52.0 + 19.0° / 84.0 + 44.0° 80 % 2.3 cd/lm 1 White	
CREE (LED) FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XHP35 HI 53.0 + 16.0° / 82.0 + 38.0° 82 % 2.9 cd/lm 1 White	
CREE LE	XM-L 54.0 + 18.0° / 81.0 + 40.0° 83 % 2.5 cd/lm 1 White	



		50*	90*
LED	XM-L2		
FWHM / FWTM	54.0 + 18.0° / 81.0 + 41.0°	27	25*
Efficiency	82 %		
Peak intensity	2.4 cd/lm		
LEDs/each optic	1		X
Light colour	White	gr	45*
Required component			$\langle \rangle$
			$\langle \rangle$
		342	36*
		1 201 10 10 10 10 10 10 10 10 10 10 10 10 1	10
		30°	90*
	XP-E	72	75*
FWHM / FWTM	54.0 + 11.0° / 76.0 + 26.0°		\sim
Efficiency	83 %	600	60°
Peak intensity	4.2 cd/lm		\sim
LEDs/each optic	1 White		45*
Light colour Required component			\times
Required component	1115.		
			$\langle \rangle$
			\sim
		300	36.
		50*	90*
	XP-E2	90 ⁴	90*
		96°	90*
LED	XP-E2	90° 78 80	90° 75° 60°
LED FWHM / FWTM	XP-E2 54.0 + 11.0° / 76.0 + 27.0°	90° 707 60°	90° 75°
LED FWHM / FWTM Efficiency	XP-E2 54.0 + 11.0° / 76.0 + 27.0° 84 %	90 ⁴ 70 90 ⁴	99*
LED FWHM / FWTM Efficiency Peak intensity	XP-E2 54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm	94 71 61 01	8, 8, 9,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-E2 54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White		8. 8.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-E2 54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White	201 201 201 201 201	93 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-E2 54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White	94 95 97 97 97 97 97 97 97 97 97 97 97 97 97	92, 92, 93,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-E2 54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White		93 ⁴ 72 ⁴ 60 ⁴ 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	XP-E2 54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White nts:		90 ⁴ 72° 60 ⁴ 62°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	XP-E2 54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/Im 1 White nts:		2° - 36.°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	XP-E2 54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White nts:		2° - 36.°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component CREE LED LED FWHM / FWTM	XP-E2 54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White nts: XP-G 55.0 + 13.0° / 79.0 + 30.0°		y 30°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component LED FWHM / FWTM Efficiency	XP-E2 54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White nts: XP-G 55.0 + 13.0° / 79.0 + 30.0° 83 %		y 30°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component LED FWHM / FWTM Efficiency Peak intensity	XP-E2 54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White nts: XP-G 55.0 + 13.0° / 79.0 + 30.0° 83 % 3.3 cd/lm		y X ²
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-E2 54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White nts: XP-G 55.0 + 13.0° / 79.0 + 30.0° 83 % 3.3 cd/lm 1		9 9 99
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-E2 54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White nts: XP-G 55.0 + 13.0° / 79.0 + 30.0° 83 % 3.3 cd/lm 1 White		2 32 93 ⁴ 93 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-E2 54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White nts: XP-G 55.0 + 13.0° / 79.0 + 30.0° 83 % 3.3 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-E2 54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White nts: XP-G 55.0 + 13.0° / 79.0 + 30.0° 83 % 3.3 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-E2 54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White nts: XP-G 55.0 + 13.0° / 79.0 + 30.0° 83 % 3.3 cd/lm 1 White		



	D	90°
LED	XP-G2	
FWHM / FWTM	55.0 + 13.0° / 78.0 + 30.0°	77
Efficiency	84 %	
Peak intensity	3.2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		0111_0000044_00-40
		15 0* 15'
CREE 🗧 LE	D	30* 30*
LED	XT-E	
FWHM / FWTM	54.0 + 15.0° / 79.0 + 33.0°	
Efficiency	81 %	
Peak intensity	2.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		200
		30'
	EDS	301 300
LED	LUXEON A	
FWHM / FWTM	54.0 + 15.0° / 79.0 + 33.0°	77
Efficiency	82 %	
Peak intensity	2.9 cd/lm	
LEDs/each optic	1	
Light colour	White	er 2000
Required compone	ents:	
O LUMIL		50° 50
LED	LUXEON M/MX	
FWHM / FWTM	49.0 + 28.0° / 84.0 + 57.0°	
Efficiency	79 %	
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		362
		36*



	FDS	
LED	LUXEON R	32
FWHM / FWTM	54.0 + 16.0° / 79.0 + 34.0°	
Efficiency	81 %	95
Peak intensity	2.8 cd/lm	
LEDs/each optic	1	
Light colour Required compone	White	
Required compone	16.	
	EDS	30 ⁴
LED	LUXEON Rebel	
FWHM / FWTM	54.0 + 14.0° / 78.0 + 31.0°	
Efficiency	82 %	
Peak intensity	3.2 cd/lm	
LEDs/each optic	1	
Light colour	White	97
Required compone	nts:	
		30 ⁴ 25 ⁴ 0 ⁴ 15 ⁴
	EDS	
LED	LUXEON Rebel ES	
FWHM / FWTM	54.0 + 17.0° / 80.0 + 34.0°	
Efficiency	81 %	60 ⁰
Peak intensity	2.7 cd/lm	
LEDs/each optic	1	
Light colour	White	97* <u>560</u>
Required compone	nts:	
		30 ⁶ 20 ⁵ 0 ¹ 20 ⁵
UMIL	EDS	**
LED	LUXEON V2	
FWHM / FWTM	52.0 + 16.0° / 78.0 + 36.0°	
Efficiency	90 %	
Peak intensity	2.7 cd/lm	
LEDs/each optic	1	
Light colour	White	9 ⁻⁴
Required compone	nts:	



		10	
Ø	N	IC	

LED	NCSxx19B	
FWHM / FWTM	$52.0 + 15.0^{\circ} / 80.0 + 32.0^{\circ}$	
Efficiency	80 %	
Peak intensity	3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		



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- LEDNFWHM / FWTM53Efficiency91Peak intensity2.LEDs/each optic1Light colourWRequired components:
 - NVSW219F 53.0 + 15.0° / 79.0 + 36.0° 91 % 2.8 cd/lm 1 White ts:



ΜΝΙCΗΙΛ

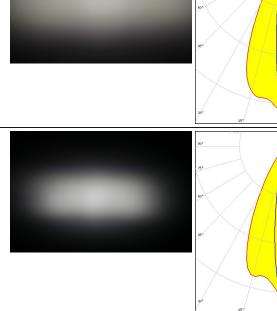
LEDNFWHM / FWTM53Efficiency80Peak intensity2.LEDs/each optic1Light colourWRequired components:

NVSW3x9A 53.0 + 16.0° / 80.0 + 35.0° 80 % 2.5 cd/lm 1 White

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LEDNFWHM / FWTM53Efficiency75Peak intensity2.LEDs/each optic1Light colourWRequired components:

NVSxx19A 53.0 + 18.0° / 80.0 + 36.0° 79 % 2.5 cd/lm 1 White ts:





ØNICHI/	\	40°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxx19B/NVSxx19C 54.0 + 17.0° / 79.0 + 35.0° 79 % 2.7 cd/lm 1 White	
OSRAM Opto Semiconductors		90° 99
UPUS semechalucions LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON Square EC 54.0 + 14.0° / 79.0 + 32.0° 81 % 3 cd/lm 1 White ents:	
OSRAM		90° 99
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON Square PC 54.0 + 15.0° / 79.0 + 32.0° 81 % 3 cd/lm 1 White ents:	
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON SSL 150 54.0 + 11.0° / 76.0 + 24.0° 83 % 4.2 cd/lm 1 White eents:	



SAMSI	JNG	90°	
LED	LH351B		
FWHM / FWTM	54.0 + 14.0° / 79.0 + 33.0°		\sim 7
Efficiency	84 %		$\backslash \land \times$
Peak intensity	2.8 cd/lm		X
LEDs/each optic	1		
Light colour	White	e ⁷	
Required compone	nts:		
		200	
			\sim
		**	
SAMSI	ING	20 <u>°</u>	13
LED FWHM / FWTM	LH351Z	73	
Efficiency	54.0 + 13.0° / 78.0 + 31.0° 83 %		X / I
Peak intensity	3.3 cd/lm		
LEDs/each optic	1		\sim γ
Light colour	White		
Required compone			X
rtequirea compone			
			$\sim \times$
		36 ¹⁰ 135 ⁴ 0 ⁵	15°
		50'	
LED	Z5		
FWHM / FWTM		73	\sim
Efficiency	83 %		$\sqrt{}$
Peak intensity	3.6 cd/lm		
LEDs/each optic	1		$\times M$
Light colour	White	g	(K)
Required compone	ents:		
			$\sim X$
		300	
		200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200	157
SEOUL SEMICONDUCTOR		200 200 200 200 200 200	157
SEOUL SEMICONDUCTOR LED	Z5M1/Z5M2		
SEQUE SEMICONDUCTOR LED FWHM / FWTM	Z5M1/Z5M2 54.0 + 15.0° / 79.0 + 33.0°		
SEQUL SEMICONDUCTOR LED FWHM / FWTM Efficiency	Z5M1/Z5M2 54.0 + 15.0° / 79.0 + 33.0° 83 %	30 ²	
SEQUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity	Z5M1/Z5M2 54.0 + 15.0° / 79.0 + 33.0° 83 % 3.1 cd/lm	30 ²	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Z5M1/Z5M2 54.0 + 15.0° / 79.0 + 33.0° 83 % 3.1 cd/lm 1	30 ²	
seout semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Z5M1/Z5M2 54.0 + 15.0° / 79.0 + 33.0° 83 % 3.1 cd/lm 1 White	30 ²	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Z5M1/Z5M2 54.0 + 15.0° / 79.0 + 33.0° 83 % 3.1 cd/lm 1 White	30 ²	
seout semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Z5M1/Z5M2 54.0 + 15.0° / 79.0 + 33.0° 83 % 3.1 cd/lm 1 White	30 ²	
SEQUIL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Z5M1/Z5M2 54.0 + 15.0° / 79.0 + 33.0° 83 % 3.1 cd/lm 1 White	30 ²	



scoul semicohouctor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z8Y22P 52.0 + 17.0° / 79.0 + 37.0° 77 % 2.3 cd/lm 1 White ents:	
SEQUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z8Y50P 48.0 + 29.0° / 84.0 + 58.0° 73 % 1.4 cd/lm 1 White ents:	



PHOTOMETRIC DATA (SIMULATED):

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-G2 HE 54.0 + 14.0° / 80.0 + 32.0° 90 % 2.9 cd/lm 1 White		59 ¹ 72 66 ¹ 66 ¹ 67 100 100 100 100 100 100 100 100 100 10
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NV4WB35AM 52.0 + 18.0° / 82.0 + 38.0° 91 % 2.5 cd/lm 1 White		20- 20- 20- 20- 20- 20- 20- 20-
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSW519A 54.0 + 16.0° / 82.0 + 37.0° 91 % 2.6 cd/lm 1 White		59° 597 69° 597 69° 60° 60° 69° 60° 60° 60° 60° 60° 60° 60°
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSCONIQ P 7070 48.0 + 25.0° / 85.0 + 50.0° 85 % 1.9 cd/lm	1.569 1.569 1.569 1.569 X coordinate value Detector Isage: Illustrator X coordinate value Detector Isage: Illustrator CHINE VARIAGE C 2007 JULIE CHINE VARIAGE C 2007 JULIE C	



PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors		50° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON Square CSSRM2/CSSRM3 57.0 + 11.0° / 80.0 + 26.0° 92 % 3.4 cd/lm 1 White	22. 0. 12
SEOUL		90*
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	MJT 3030 56.0 + 12.0° / 78.0 + 28.0° 90 % 3.2 cd/lm 1 White	200 200 200 200 200 200 200 200 200 200
SEQUE		90* 90*
stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	MJT 5050 50.0 + 30.0° / 87.0 + 68.0° 78 % 1.4 cd/lm 1 White	
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Z5M4 54.0 + 14.0° / 80.0 + 32.0° 90 % 2.8 cd/lm 1 White	59- 57- 57- 50- 50- 50- 50- 50- 50- 50- 50



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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