

PRODUCT DATASHEET C13529_VERONICA-O

VERONICA-O			-	
~55° + 10° oval beam				
SPECIFICATION:			Maria and	
Dimensions	Ø 26.0 mm			
Height	12.2 mm			
Fastening	glue, pin			
ROHS compliant	yes 🛈			11
MATERIALS:		LEDiĽ		
Component	Туре	Material	Colour	Finish
VERONICA-O	Single lens	PMMA	clear	
ORDERING INFORMATION:				

Qty in box

2240

MOQ

336

MPQ

112

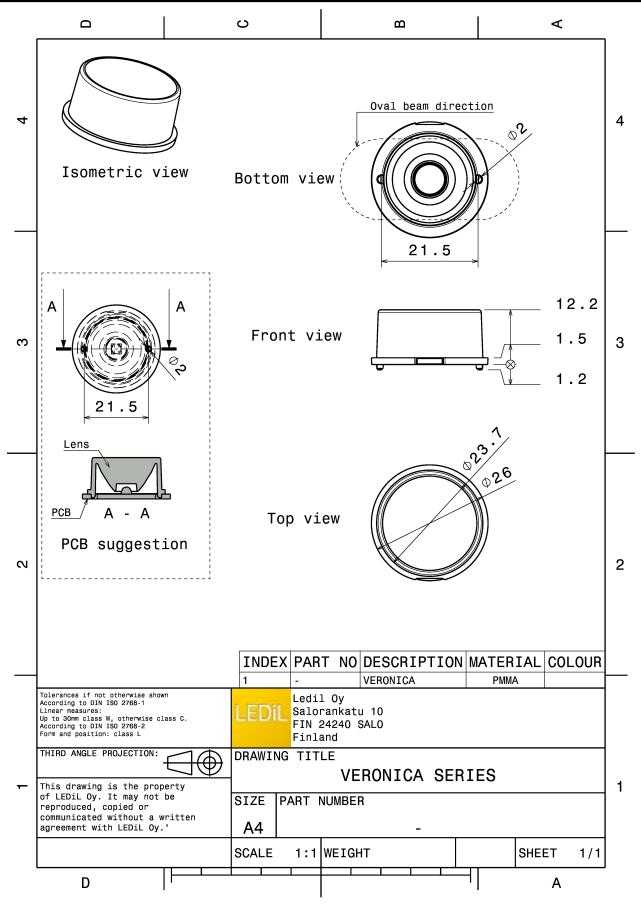
Component
C13529_VERONICA-O
» Box size: 480 x 280 x 300 mm

Box weight (kg)

11.1



PRODUCT DATASHEET C13529_VERONICA-O



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



CREE ≑		307
LED LEDS	MK-R	
FWHM / FWTM	48.0 + 28.0° / 85.0 + 58.0°	77
Efficiency	80 %	
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	
Light colour	White	gr and a second s
Required compone		
		34
CREE 🔶		30 ⁵ d ³ 30 ⁵
LEDS		<u></u>
LED	XHP35 HD	79
FWHM / FWTM	52.0 + 19.0° / 84.0 + 44.0°	
Efficiency	80 %	60
Peak intensity	2.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ints:	550
		36° 260 38° 257° 6° 15°
LED	XHP35 HI	
FWHM / FWTM	53.0 + 16.0° / 82.0 + 38.0°	
Efficiency	82 %	
Peak intensity	2.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	
CREE ≑		
LEDS		90 ⁴ 90 ⁴
LED	XM-L	25
FWHM / FWTM	54.0 + 18.0° / 81.0 + 40.0°	
Efficiency	83 %	60 ¹ 60 ¹
Peak intensity	2.5 cd/lm	
LEDs/each optic	1	
Light colour	White	9 200
Required compone	ints:	
		30-
		15° 0° 35°



CREE ≑		
		90° 90°
LED	XM-L2	25*
FWHM / FWTM	54.0 + 18.0° / 81.0 + 41.0°	
Efficiency	82 %	800 60°
Peak intensity	2.4 cd/lm	
LEDs/each optic	1	
Light colour	White	gr 67.
Required componer	nts:	
		30* 30*
		15 ⁵ 0 ⁶ 15 ⁵
		90* 90*
LED	XP-E	75*
FWHM / FWTM	54.0 + 11.0° / 76.0 + 26.0°	
Efficiency	83 %	60° 60°
Peak intensity	4.2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required componer	nts:	
		30* 30*
CREE ÷		90° 90° 90°
	YD 52	97 97
LED	XP-E2	90°
LED FWHM / FWTM	54.0 + 11.0° / 76.0 + 27.0°	25° 0° 15°
LED FWHM / FWTM Efficiency	54.0 + 11.0° / 76.0 + 27.0° 84 %	25 [°] 15 [°] 15 [°] 30 [°] 90 [°]
LED FWHM / FWTM Efficiency Peak intensity	54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm	25 [°] 15 [°] 15 [°]
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1	25° 0° 13° 39° 99° 90° 90° 90° 90° 90° 90° 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White	25° 2° 13°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White	25° 2° 13° 20° 39° 90° 39° 90° 30° 90° 90° 90° 30° 90° 90° 90° 90° 90° 90° 90° 90° 90° 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White	257 27 137 197 197 197 197 197 197 197 19
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White	200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White	39* 30* 39* 30*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White hts:	39* 30* 39* 30*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White hts:	200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White hts:	39* 30* 39* 30*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component CREE LED FWHM / FWTM	54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White hts: XP-G 55.0 + 13.0° / 79.0 + 30.0°	39* 30* 39* 30*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component LED FWHM / FWTM Efficiency	54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White hts: XP-G 55.0 + 13.0° / 79.0 + 30.0° 83 %	39* 30* 39* 30*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component ELED FWHM / FWTM Efficiency Peak intensity	54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White hts: XP-G 55.0 + 13.0° / 79.0 + 30.0° 83 % 3.3 cd/lm	39* 30* 39* 30*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic	54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White hts: 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 Efficiency Peak intensity LEDs/each optic Light colour	54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White hts: 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 Efficiency Peak intensity LEDs/each optic Light colour	54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White hts: 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 Efficiency Peak intensity LEDs/each optic Light colour	54.0 + 11.0° / 76.0 + 27.0° 84 % 4.2 cd/lm 1 White hts: XP-G 55.0 + 13.0° / 79.0 + 30.0° 83 % 3.3 cd/lm 1 White	



			90° 90°
LED	XP-G2		
FWHM / FWTM	55.0 + 13.0° / 78.0 + 30.0°		75-
Efficiency	84 %		800
Peak intensity	3.2 cd/lm		
LEDs/each optic	1		1639
Light colour	White		95+
Required compone	ents:	C13539_VERHICK-O_(10-01)	
			36* 30*
			90*
LED	XT-E		73*
FWHM / FWTM	54.0 + 15.0° / 79.0 + 33.0°		200
Efficiency	81 %		691 601
Peak intensity	2.9 cd/lm		
LEDs/each optic	1		1630
Light colour	White		
Required compone	ans.		
			30, 72, 3890 72, 30, 30,
M LUMIL	.EDS		90° 90°
LED	LUXEON A		
FWHM / FWTM	54.0 + 15.0° / 79.0 + 33.0°		
Efficiency	82 %		601 601
Peak intensity	2.9 cd/lm		
LEDs/each optic	1		1000
Light colour	White		
Required compone	ents:		
			2430
			30° 35° 32°
	.EDS		90° 90°
LED	LUXEON M/MX		
FWHM / FWTM	49.0 + 28.0° / 84.0 + 57.0°		73'
Efficiency	79 %		
Peak intensity	1.6 cd/lm		
LEDs/each optic	1		
Light colour	White		g
Required compone	ents:		1220
			30* 30*



LUMIL	.EDS	90* 90*
LED	LUXEON R	
FWHM / FWTM	54.0 + 16.0° / 79.0 + 34.0°	75 75
Efficiency	81 %	
Peak intensity	2.8 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	43° 43°
Required compone		
		30° 30°
	FDS	425 [°] 0 ⁰ 15 [°]
		90° 90°
LED	LUXEON Rebel	75'
FWHM / FWTM	54.0 + 14.0° / 78.0 + 31.0°	800
Efficiency	82 % 3.2 cd/lm	60° 60°
Peak intensity	3.2 co/m 1	
LEDs/each optic Light colour	ı White	43 4 43 4
Required compone		
	5115.	200
		30° 30° 30°
LUMIL	EDS	90° 90°
LED	LUXEON Rebel ES	
FWHM / FWTM	54.0 + 17.0° / 80.0 + 34.0°	73
Efficiency	81 %	60° 60°
Peak intensity	2.7 cd/lm	
LEDs/each optic	1	
Light colour	White	g7*
Required compone	ents:	
		200
		36°
	EDS	90*
LED	LUXEON V2	
FWHM / FWTM	52.0 + 16.0° / 78.0 + 36.0°	75 77 77
Efficiency	90 %	
Peak intensity	2.7 cd/lm	60* 60*
LEDs/each optic	1	
	White	45*
Light colour	White ents:	
		a. 100 a.
Light colour		er 300
Light colour		



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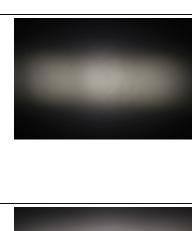
LED	NCSxx19B			
FWHM / FWTM	52.0 + 15.0° / 80.0 + 32.0°			
Efficiency	80 %			
Peak intensity	3 cd/lm			
LEDs/each optic	1			
Light colour	White			
Required componen	Required components:			



ΜΝΙCΗΙΛ

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

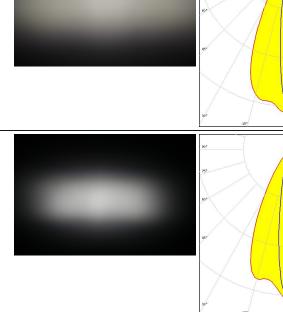
LEDNFWHM / FWTM53Efficiency80Peak intensity2.LEDs/each optic1Light colourWRequired components:

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

ΜΝΙCΗΙΛ

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/		90°
LED	NVSxx19B/NVSxx19C	
FWHM / FWTM	54.0 + 17.0° / 79.0 + 35.0°	73°
Efficiency	79 %	
Peak intensity	2.7 cd/lm	B0* B0*
LEDs/each optic	1	
Light colour	White	43° 43°
Required compone		96 125 00 25 000
OSRAM Opto Semiconductors		50° 50°
LED	OSLON Square EC	
FWHM / FWTM	54.0 + 14.0° / 79.0 + 32.0°	785
Efficiency	81 %	
Peak intensity	3 cd/lm	
LEDs/each optic	1	1500
Light colour	White	43°
Required compone		
		 209 209 209 209 209 209 209 209 209
OSRAM Opto Semiconductors		90° 90°
LED	OSLON Square PC	75"
FWHM / FWTM	54.0 + 15.0° / 79.0 + 32.0°	
Efficiency	81 %	60°
Peak intensity	3 cd/lm	
LEDs/each optic	1	1600
Light colour	White	a2.
Required compone	nts:	2600 2600 2600 2600 2500 2500 2500 2500
OSRAM Opto Semiconductors		90° 90°
LED	OSLON SSL 150	
FWHM / FWTM	54.0 + 11.0° / 76.0 + 24.0°	
Efficiency	83 %	60° 60°
Peak intensity	4.2 cd/Im	1500
LEDs/each optic	1	
Light colour	White	ar at
Required compone		



21/1/191	JNG	80'
LED	LH351B	
FWHM / FWTM	54.0 + 14.0° / 79.0 + 33.0°	72
Efficiency	84 %	
Peak intensity	2.8 cd/lm	
LEDs/each optic	1	
Light colour	White	4 ^{5*}
Required compone	ents:	
		34
слиз		
		90°
LED	LH351Z	27
FWHM / FWTM	54.0 + 13.0° / 78.0 + 31.0°	
Efficiency	83 %	601
Peak intensity	3.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		30-
SEOUL		50°
	Z5	
LED FWHM / FWTM	25 54.0 + 13.0° / 77.0 + 28.0°	75
Efficiency		
	83 %	
Efficiency Peak intensity	3.6 cd/lm	50° 100
Peak intensity LEDs/each optic	3.6 cd/lm 1	
Peak intensity LEDs/each optic Light colour	3.6 cd/lm 1 White	500
Peak intensity LEDs/each optic	3.6 cd/lm 1 White	6 7 7 1 1 1 1 1 1 1 1 1 1
Peak intensity LEDs/each optic Light colour	3.6 cd/lm 1 White	6 7 7 1 1 1 1 1 1 1 1 1 1
Peak intensity LEDs/each optic Light colour	3.6 cd/lm 1 White	6 7 7 200 1 1 1 1 1 1 1 1 1 1
Peak intensity LEDs/each optic Light colour	3.6 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required compone	3.6 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required compone	3.6 cd/lm 1 White ents:	127 127
Peak intensity LEDs/each optic Light colour Required compone seoul semiconductor LED	3.6 cd/lm 1 White ents: Z5M1/Z5M2	127 127
Peak intensity LEDs/each optic Light colour Required compone seou.semconductor LED FWHM / FWTM	3.6 cd/lm 1 White ents: Z5M1/Z5M2 54.0 + 15.0° / 79.0 + 33.0°	50 ⁴
Peak intensity LEDs/each optic Light colour Required compone seous semiconductor LED FWHM / FWTM Efficiency	3.6 cd/lm 1 White ents: Z5M1/Z5M2 54.0 + 15.0° / 79.0 + 33.0° 83 %	39°
Peak intensity LEDs/each optic Light colour Required compone scoursemiconductor LED FWHM / FWTM Efficiency Peak intensity	3.6 cd/lm 1 White ents: 25M1/Z5M2 54.0 + 15.0° / 79.0 + 33.0° 83 % 3.1 cd/lm	39°
Peak intensity LEDs/each optic Light colour Required compone 55000 SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	3.6 cd/lm 1 White ents: Z5M1/Z5M2 54.0 + 15.0° / 79.0 + 33.0° 83 % 3.1 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required compone SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	3.6 cd/lm 1 White ents: Z5M1/Z5M2 54.0 + 15.0° / 79.0 + 33.0° 83 % 3.1 cd/lm 1 White	<u>137</u> <u>167</u> <u>157</u> 99*
Peak intensity LEDs/each optic Light colour Required compone sources sources ted FWHM / FWTM Efficiency Peak intensity LEDs/each optic	3.6 cd/lm 1 White ents: Z5M1/Z5M2 54.0 + 15.0° / 79.0 + 33.0° 83 % 3.1 cd/lm 1 White	39°
Peak intensity LEDs/each optic Light colour Required compone SEQUESENCEMPORE SEQUESENCEMPORE FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	3.6 cd/lm 1 White ents: Z5M1/Z5M2 54.0 + 15.0° / 79.0 + 33.0° 83 % 3.1 cd/lm 1 White	75
Peak intensity LEDs/each optic Light colour Required compone SEQUE SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	3.6 cd/lm 1 White ents: Z5M1/Z5M2 54.0 + 15.0° / 79.0 + 33.0° 83 % 3.1 cd/lm 1 White	75



r		
SEOUL SEOUL SEMICONDUCTOR		50° 50°
LED	Z8Y22P	
FWHM / FWTM	52.0 + 17.0° / 79.0 + 37.0°	
Efficiency	77 %	
Peak intensity	2.3 cd/lm	
LEDs/each optic	1	
Light colour	White	er er
Required compone	ints:	200 200 200 200 200 200 200 200 200 200
SEOUL		50 ⁴ 51 ⁵
SEOUL SEMICONDUCTOR	Z8Y50P	
FWHM / FWTM	48.0 + 29.0° / 84.0 + 58.0°	73*
Efficiency	73 %	
Peak intensity	1.4 cd/lm	
LEDs/each optic	1	
Light colour	White	45° 65°
Required compone	ints:	20 - 120 - 120 - 24



OPTICAL RESULTS (SIMULATED):

			90° 90°
LED	XP-G2 HE		
FWHM / FWTM	54.0 + 14.0° / 80.0 + 32.0°		75* 75*
Efficiency	90 %		
Peak intensity	2.9 cd/lm		60* 60*
LEDs/each optic	1		
Light colour	White		a7° 47°
Required components:			
			30° 30°
			139 200 153
MICHIΛ			90°
LED	NV4WB35AM		
FWHM / FWTM	52.0 + 18.0° / 82.0 + 38.0°		
Efficiency	91 %		60° 500 60°
Peak intensity	2.5 cd/lm		
LEDs/each optic	1		
Light colour	White		43° 43°
Required components:			
			30° 30°
Μ ΝΙCΗΙΛ			
LED FWHM / FWTM	NVSW519A		75°
Efficiency	54.0 + 16.0° / 82.0 + 37.0° 91 %		
Peak intensity	2.6 cd/lm		60* 60*
LEDs/each optic	1		
Light colour	' White		43" 43"
Required components:	WING		2630
required components.			
			30° 15° 0° 15° 36°
OSRAM Opto Semiconductors		1.563	90° 75 90°
LED	OSCONIQ P 7070	lue	
FWHM / FWTM	48.0 + 25.0° / 85.0 + 50.0°	e ate vi	75* 75*
Efficiency	85 %	ecordinate vile	
Peak intensity	1.9 cd/lm	A A	
	1	-1.5e3 Ø 1.5e3	
LEDs/each optic	1	X coordinate value	
LEDs/each optic Light colour	White		- 95*
		Detector Image: Illuminance 15 + 2014 Meteory K, Non Terfare II Lie ages were in these and in following, field one in the K, Teol KK, i menne	- 1239
Light colour		Detector Image: Illuminance	
Light colour		Detector Image: Illuminance 15 + 2014 Meteory K, Non Terfare II Lie ages were in these and in following, field one in the K, Teol KK, i menne	
Light colour		Detector Image: Illuminance 15 + 2014 Meteory K, Non Terfare II Lie ages were in these and in following, field one in the K, Teol KK, i menne	



OPTICAL RESULTS (SIMULATED):

OSRAM Opto Semiconductors		
opto Semiconductors 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	
SEOUL		
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	91 ⁴ 99 ⁴ 23 ⁵ 61 ⁴ 250 250 250 250 250 250 250 250 250 250
		30° 155 0° 15° 30
SEOUL 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	
SEGUL 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	3 ³ 3 ³



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

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc. 228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd. # 405 , Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

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