

PRODUCT DATASHEET CA13628_G2-LAURA-RS-P

G2-LAURA-RS-P

~8° spot beam. Assembly with thinner white holder, installation tape and location pins.

TECHNICAL SPECIFICATIONS:

Dimensions	21.6 x 21.6 mm
Height	13.1 mm
Fastening	tape, pin
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

Component LAURA-RS LAURA-LT-PIN-XP-HLD-WHT ROSE-TAPE

Туре	
Single lens	
Holder	
Таре	

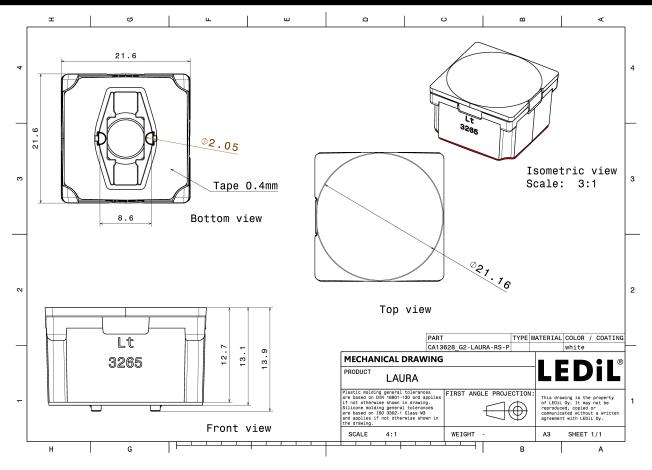
Material	Colour	Finish
PMMA	clear	
PC	white	
Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA13628_G2-LAURA-RS-P	Single lens		360	180	5.9
» Box size:					



PRODUCT DATASHEET CA13628_G2-LAURA-RS-P



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



		30*
LED	ХВ-Н	
FWHM / FWTM	11.0° / 20.0°	
Efficiency	91 %	
Peak intensity	20.5 cd/lm	
LEDs/each optic	1	
Light colour	White	9 1200
Required componer	nts:	
		1500
		20 ⁴ m ²
	1	
LED	XP-E	
FWHM / FWTM	8.0° / 16.0°	
Efficiency	93 %	
Peak intensity	33.2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required componer	nts:	
		90* 9
LED	XP-E2	35 ¹ 9
LED FWHM / FWTM	XP-E2 8.0° / 15.0°	90* 72 72
LED FWHM / FWTM Efficiency	XP-E2 8.0° / 15.0° 91 %	50* 5 35* 20 60* 200 0
LED FWHM / FWTM Efficiency Peak intensity	XP-E2 8.0° / 15.0° 91 % 41.4 cd/lm	50 ³ 5 73 60 ⁴ 20 0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-E2 8.0° / 15.0° 91 % 41.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-E2 8.0° / 15.0° 91 % 41.4 cd/lm 1 White	73 ⁻ 60 ⁻⁵
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-E2 8.0° / 15.0° 91 % 41.4 cd/lm 1 White	73 ⁻ 60 ⁻⁵
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-E2 8.0° / 15.0° 91 % 41.4 cd/lm 1 White	73 ⁻ 60 ⁻⁵
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-E2 8.0° / 15.0° 91 % 41.4 cd/lm 1 White	73 ⁻ 60 ⁻⁵
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-E2 8.0° / 15.0° 91 % 41.4 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-E2 8.0° / 15.0° 91 % 41.4 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-E2 8.0° / 15.0° 91 % 41.4 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-E2 8.0° / 15.0° 91 % 41.4 cd/lm 1 White hts: XP-L HD 16.0° / 27.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer CREE LED LED FWHM / FWTM Efficiency	XP-E2 8.0° / 15.0° 91 % 41.4 cd/lm 1 White hts: XP-L HD 16.0° / 27.0° 90 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer LED FWHM / FWTM Efficiency Peak intensity	XP-E2 8.0° / 15.0° 91 % 41.4 cd/lm 1 White hts: XP-L HD 16.0° / 27.0° 90 % 10.3 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-E2 8.0° / 15.0° 91 % 41.4 cd/lm 1 White hts: XP-L HD 16.0° / 27.0° 90 % 10.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-E2 8.0° / 15.0° 91 % 41.4 cd/lm 1 White hts: XP-L HD 16.0° / 27.0° 90 % 10.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-E2 8.0° / 15.0° 91 % 41.4 cd/lm 1 White hts: XP-L HD 16.0° / 27.0° 90 % 10.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-E2 8.0° / 15.0° 91 % 41.4 cd/lm 1 White hts: XP-L HD 16.0° / 27.0° 90 % 10.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-E2 8.0° / 15.0° 91 % 41.4 cd/lm 1 White hts: XP-L HD 16.0° / 27.0° 90 % 10.3 cd/lm 1 White	



		50°
LED	XQ-E HI	
FWHM / FWTM	5.0° / 11.0°	25
Efficiency	94 %	
Peak intensity	65.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		30° 0° 135
	EDS	30
LED	LUXEON 3030 2D (Round LES)	
EED FWHM / FWTM	9.0° / 20.0°	79
	92 %	
Efficiency Peak intensity	92 % 22.7 cd/lm	634
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		100
		20 ⁴
	.EDS	20°
LED	LUXEON TX	<u>30</u> 4
LED FWHM / FWTM	LUXEON TX 11.0° / 21.0°	
LED FWHM / FWTM Efficiency	LUXEON TX 11.0° / 21.0° 90 %	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON TX 11.0° / 21.0° 90 % 20 cd/lm	90° 73° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON TX 11.0° / 21.0° 90 % 20 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX 11.0° / 21.0° 90 % 20 cd/lm 1 White	93 ⁴ 77 67 ⁴ 1200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON TX 11.0° / 21.0° 90 % 20 cd/lm 1 White	93 ⁴ 93 ⁴ 97 97 97 1000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX 11.0° / 21.0° 90 % 20 cd/lm 1 White	91 ⁴ 72 92 92 92 1000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX 11.0° / 21.0° 90 % 20 cd/lm 1 White	94 92 91 91 92 92 91 90 91 90 90 90 90 90 90 90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX 11.0° / 21.0° 90 % 20 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON TX 11.0° / 21.0° 90 % 20 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX 11.0° / 21.0° 90 % 20 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON TX 11.0° / 21.0° 90 % 20 cd/lm 1 White ents: NCSxx19A	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON TX 11.0° / 21.0° 90 % 20 cd/lm 1 White ents: NCSxx19A 10.0° / 20.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON TX 11.0° / 21.0° 90 % 20 cd/lm 1 White ents: NCSxx19A 10.0° / 20.0° 90 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIM LED FWHM / FWTM Efficiency Peak intensity	LUXEON TX 11.0° / 21.0° 90 % 20 cd/lm 1 White ents: NCSxx19A 10.0° / 20.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone WICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON TX 11.0° / 21.0° 90 % 20 cd/lm 1 White ents: NCSxx19A 10.0° / 20.0° 90 % 25.3 cd/lm 1	
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	LUXEON TX 11.0° / 21.0° 90 % 20 cd/lm 1 White ents: NCSxx19A 10.0° / 20.0° 90 % 25.3 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	LUXEON TX 11.0° / 21.0° 90 % 20 cd/lm 1 White ents: NCSxx19A 10.0° / 20.0° 90 % 25.3 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	LUXEON TX 11.0° / 21.0° 90 % 20 cd/lm 1 White ents: NCSxx19A 10.0° / 20.0° 90 % 25.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone WICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX 11.0° / 21.0° 90 % 20 cd/lm 1 White ents: NCSxx19A 10.0° / 20.0° 90 % 25.3 cd/lm 1 White	



LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219D 12.0° / 22.0° 94 % 15.9 cd/lm 1 White	3 ³ , ¹² ,
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxx19A 12.0° / 23.0° 90 % 17.8 cd/lm 1 White	51 ⁴ 51 ⁴ 51 ⁴ 51 ⁴ 51 ⁴ 51 ⁴ 6100 610 610 61 ⁴ 610 61 ⁴ 61 ⁴ 6
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxx19B/NVSxx19C 12.0° / 24.0° 90 % 16.3 cd/lm 1 White	20 ⁴ 20 ⁴
OSRAM Opto Semiconductors LED	PLPVEC2 850A	
FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone	6.0° / 14.0° % 1 IR nts:	



SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH351D 16.0° / 29.0° 94 % 9 cd/lm 1 White	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
seour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z5M1/Z5M2 11.0° / 19.0° 91 % 20 cd/lm 1 White hts:	No. No.
seoul SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z5M3 12.0° / 24.0° 94 % 14.4 cd/lm 1 White hts:	23° 0° 15° 23° 0° 15° 23° 0° 15° 23° 0° 0° 0° 23° 0° 0° 0° 23° 0° 0° 23° 0° 0° 0° 23° 0° 0° 0° 23° 0° 0° 0° 0°



CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XD16 8.6° / 18.0° 93 % 27 cd/lm 1 White	5° 6° 6° 6° 7° 7° 7° 7° 7° 7° 7° 7° 7° 7° 7° 7° 7°
CREES LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XHP35 HD 14.0° / 35.0° 94 % 7.6 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XHP35 HI 12.0° / 23.0° 94 % 16.1 cd/lm 1 White	59 ⁴ 59 ³ 59 ⁴ 600 600 600 600 600 600 600 600 600 600
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-G3 12.0° / 24.0° 92 % 14.7 cd/lm 1 White	25° 2° 13° 39° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5°



CREES LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XQ-E HD 6.9° / 14.5° 94 % 44.9 cd/lm 1 White	30 30 40 50 50 50 50 50 50 50 50 50 5
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CZ 6.0° / 13.0° 95 % 54.3 cd/lm 1 White	500 500 500 500 500 500 500 500
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON Z ES 8.0° / 16.0° 95 % 37.8 cd/lm 1 White	51° 500 50° 50° 50° 50° 50° 50° 50° 50° 50
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NCSxE17A 8.0° / 18.0° 95 % 30.3 cd/lm 1 White	25° q° 15° 9° 9° 9° 9° 9° 9° 9° 9° 15° 15° 15° 15° 15° 15° 15° 15



ΜΝΙCΗΙΛ		30°
LED	NVSxE21A	
FWHM / FWTM	10.0° / 21.0°	75*
Efficiency	94 %	
Peak intensity	21.1 cd/lm	60°
LEDs/each optic	1	
Light colour	White	gre 12000 ere
Required components:		
		\times \wedge \times
		30*
		15° 0° 15°
OSRAM Opto Semiconductors		90* 90*
LED	OSLON Black	75
FWHM / FWTM	9.5° / 20.0°	
Efficiency	97 %	60°
Peak intensity	23 cd/lm	$ X / \setminus X $
LEDs/each optic	1	
Light colour	White	
Required components:		\times / \times
		1
		30° 10° 0° 10° 30°
OSRAM		99°
Opto Semiconductors	OSI ON Black Flat	50* 50*
Opto Semiconductors	OSLON Black Flat 6.8° / 14.0°	99 ⁴ 99 ⁵
Opto Semiconductors LED FWHM / FWTM	6.8° / 14.0°	
Opto Semiconductors LED FWHM / FWTM Efficiency	6.8° / 14.0° 94 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	6.8° / 14.0°	
opto Semiconductors LED FWHM / FWTM Efficiency	6.8° / 14.0° 94 % 48.3 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	6.8° / 14.0° 94 % 48.3 cd/lm 1	500
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	6.8° / 14.0° 94 % 48.3 cd/lm 1	500
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	6.8° / 14.0° 94 % 48.3 cd/lm 1	500
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	6.8° / 14.0° 94 % 48.3 cd/lm 1	30°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	6.8° / 14.0° 94 % 48.3 cd/lm 1	500
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	6.8° / 14.0° 94 % 48.3 cd/lm 1 White	30°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Peak intensity LEDS/each optic Light colour Required components:	6.8° / 14.0° 94 % 48.3 cd/lm 1 White	30°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM	6.8° / 14.0° 94 % 48.3 cd/lm 1 White OSLON SSL 150 8.0° / 16.0°	39. 30. 30. 30. 40. 40. 50. 50. 50. 50. 50. 50. 50. 50. 50. 50. 50. 50.
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Peak intensity LEDs/each optic Light colour Required components: LED FWHM / FWTM Efficiency	6.8° / 14.0° 94 % 48.3 cd/lm 1 White OSLON SSL 150 8.0° / 16.0° 95 %	30. 30. 30. 30. 30. 30. 30. 30. 40. 40. 40. 40. 30. 50. 50. 50. 60. 60. 60. 60. 13. 50. 50. 50.
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	6.8° / 14.0° 94 % 48.3 cd/lm 1 White OSLON SSL 150 8.0° / 16.0° 95 % 37.9 cd/lm	39. 30. 30. 30. 40. 40. 50. 50. 50. 50. 50. 50. 50. 50. 50. 50. 50. 50.
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	6.8° / 14.0° 94 % 48.3 cd/lm 1 White OSLON SSL 150 8.0° / 16.0° 95 % 37.9 cd/lm 1	39. 30. 30. 30. 40. 40. 50. 50. 50. 50. 50. 50. 50. 50. 50. 50. 50. 50.
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	6.8° / 14.0° 94 % 48.3 cd/lm 1 White OSLON SSL 150 8.0° / 16.0° 95 % 37.9 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	6.8° / 14.0° 94 % 48.3 cd/lm 1 White OSLON SSL 150 8.0° / 16.0° 95 % 37.9 cd/lm 1	64 95 96 96 96 96 96 96 96 96 96 96
opte Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	6.8° / 14.0° 94 % 48.3 cd/lm 1 White OSLON SSL 150 8.0° / 16.0° 95 % 37.9 cd/lm 1	64 95 96 96 96 96 96 96 96 96 96 96
opto Semiconductors 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 Light colour	6.8° / 14.0° 94 % 48.3 cd/lm 1 White OSLON SSL 150 8.0° / 16.0° 95 % 37.9 cd/lm 1	64 95 96 96 96 96 96 96 96 96 96 96



OSRAM Opto Semiconductors		90° 90°
LED	OSLON SSL 80	
FWHM / FWTM	8.0° / 16.0°	75* 25*
Efficiency	95 %	
Peak intensity	34.3 cd/lm	60 ⁵
LEDs/each optic	1	
Light colour	White	45°
Required components:		
		30* 30*
OCDAM		139 00 199
OSRAM Opto Semiconductors		90* 90*
LED	SFH 4715S	75*
FWHM / FWTM	9.0° / 18.0°	
Efficiency	95 %	
Peak intensity	29.2 cd/lm	
LEDs/each optic	1	
Light colour	IR	er* er*
Required components:		
		34° 35° 39% 35°
OSRAM Opto Semiconductors		
LED	SFH 4770S	
FWHM / FWTM	10.0° / 23.0°	
Efficiency	94 %	
LEDs/each optic	1	
Light colour	White	
Required components:		
SAMSUN	IG	90* 90*
LED	LH351B	
FWHM / FWTM	12.0° / 24.0°	
Efficiency	95 %	60°
Peak intensity	15.6 cd/lm	
LEDs/each optic	1	
Light colour	White	es. 9600
Required components:		
		30* 10000 30*
		15° 0° 15°



SAMSUNG		50° A 50°
LED	LH351Z	75
FWHM / FWTM	10.0° / 18.0°	
Efficiency	93 %	60 ⁴
Peak intensity	25 cd/lm	
LEDs/each optic	1	
Light colour	White	gr da
Required components:		
		30- 250 or 157 34



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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