

STRADA-2X2-T2

IESNA Type II (medium) beam applicable for European P-class standard pedestrian lighting and M-class roads

TECHNICAL SPECIFICATIONS:

Dimensions50.0 mmHeight7.7 mmFasteningglue, pin, screwROHS compliantyes ⁽¹⁾



MATERIAL SPECIFICATIONS:

Component STRADA-2X2-T2

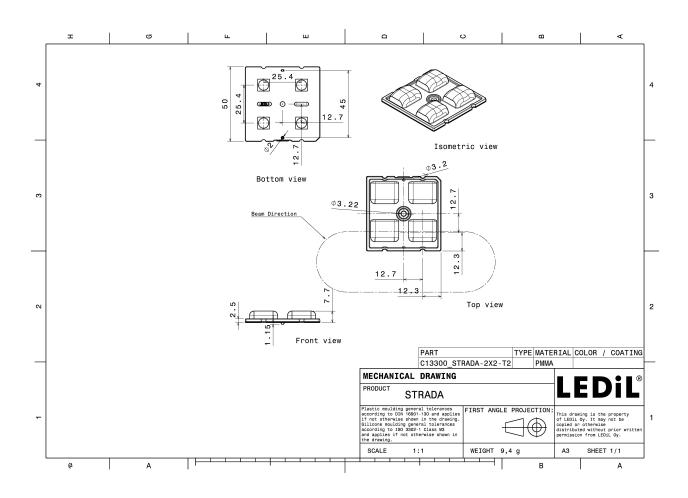
Туре	
Multi-lens	

	Material	Colour	Finish
ens	PMMA	clear	

ORDERING INFORMATION:

Component C13300_STRADA-2X2-T2 » Box size: 480 x 280 x 300 mm

Qty in box	MOQ	MPQ	Box weight (kg)
800	160	160	8.3

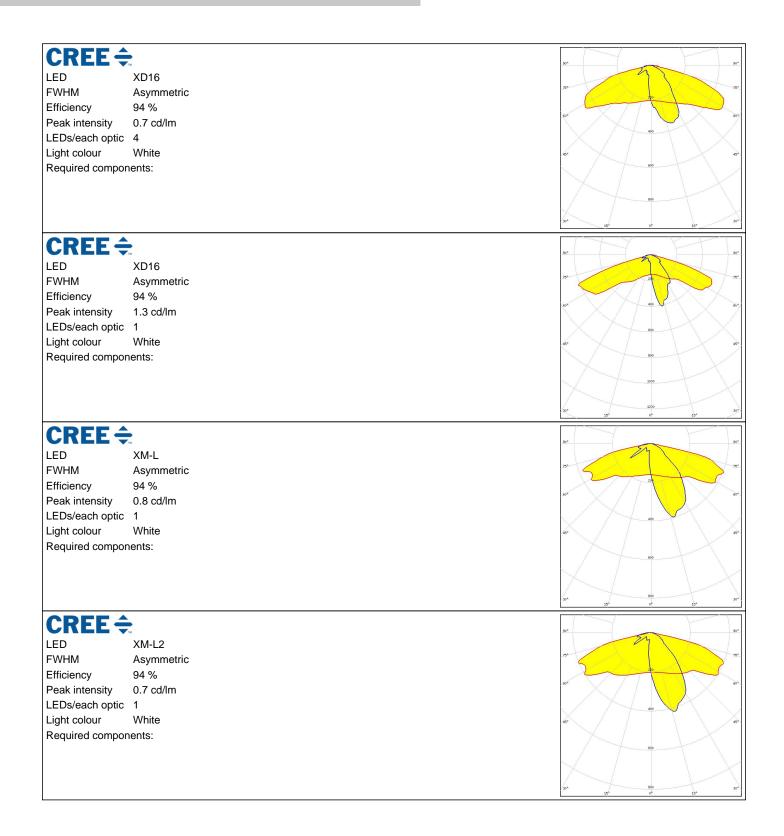


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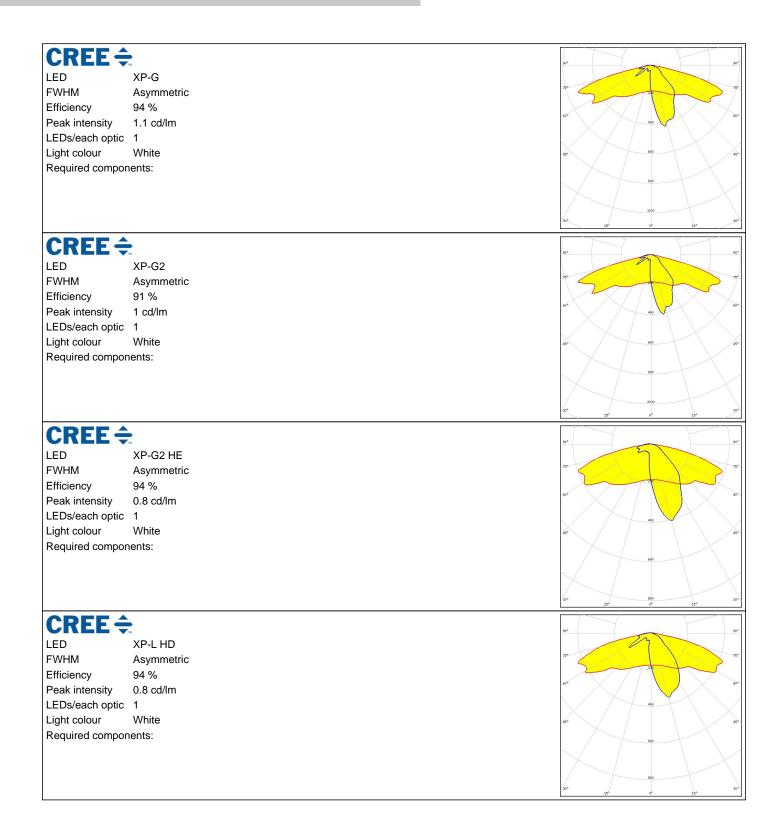


LED QUICK FLUX XTP 2x4 xxx LS G5 FWHM Asymmetric Efficiency 94 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White Required components: LED QUICK FLUX XTP 2x6 xxx LS G5 FWHM Asymmetric Efficiency 94 % Peak intensity 1 cd/lm	20 ⁻ 0 ⁻ 20 ⁻ 0 ⁻
LED QUICK FLUX XTP 2x6 xxx LS G5 FWHM Asymmetric Efficiency 94 % Peak intensity 1 cd/lm	
LEDs/each optic 1 Light colour White Required components:	
CREE \$ Image: Second Secon	600 607 607 607 607 607 607 607



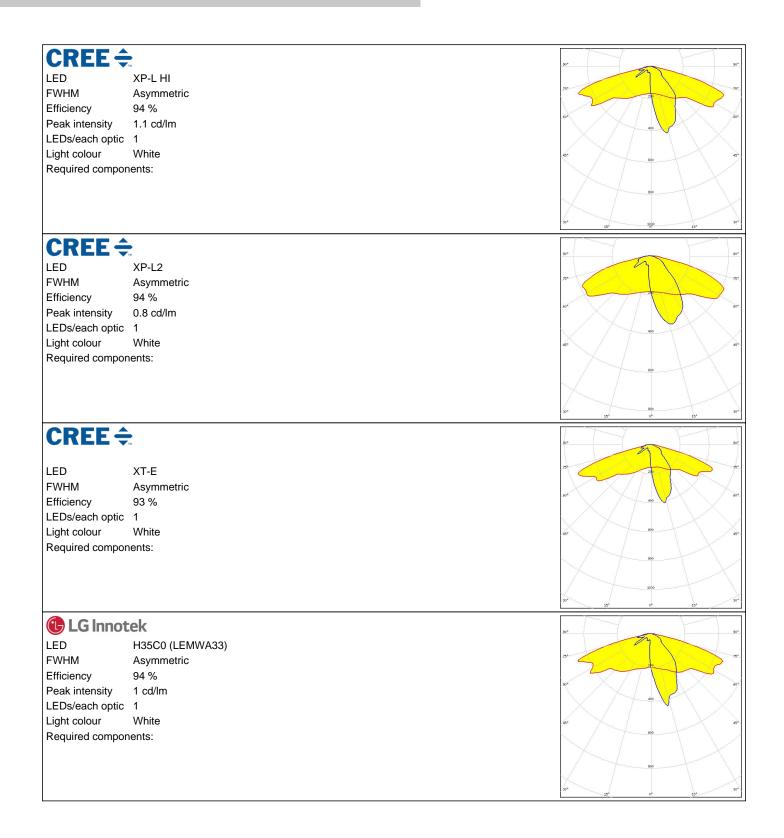






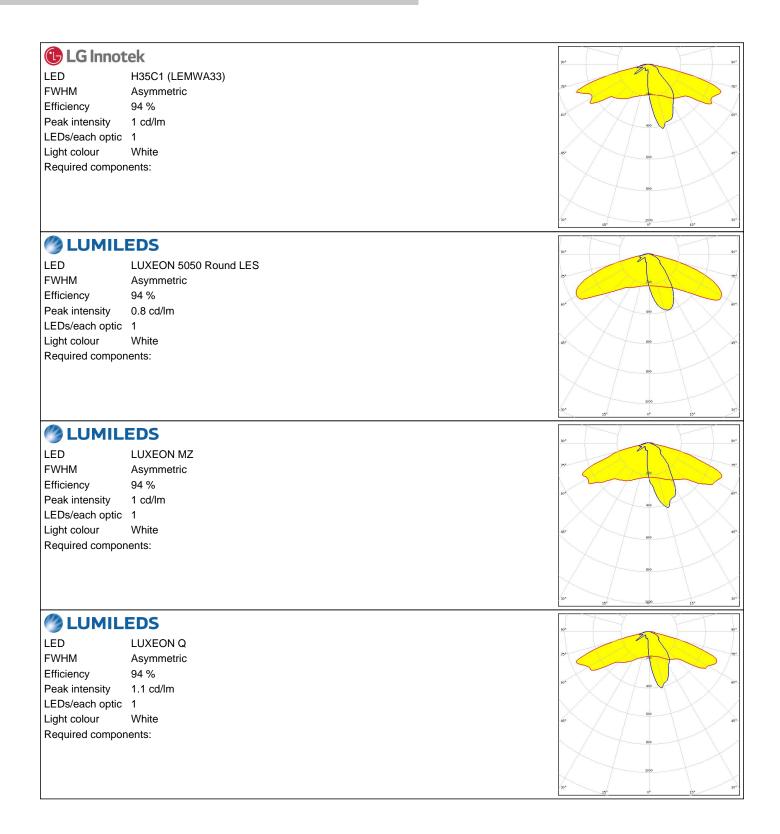


PHOTOMETRIC DATA (MEASURED):

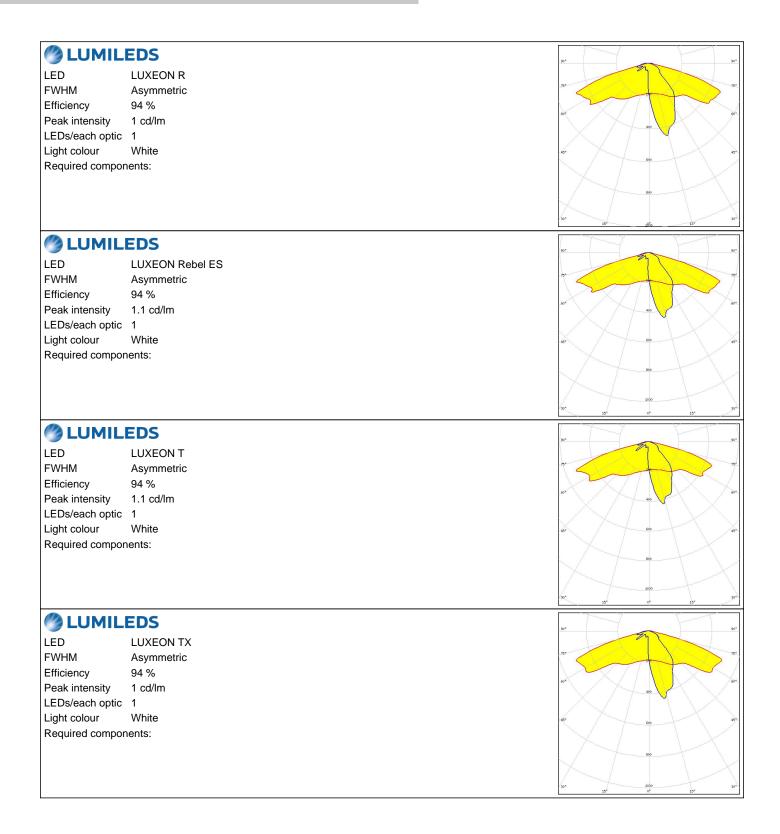


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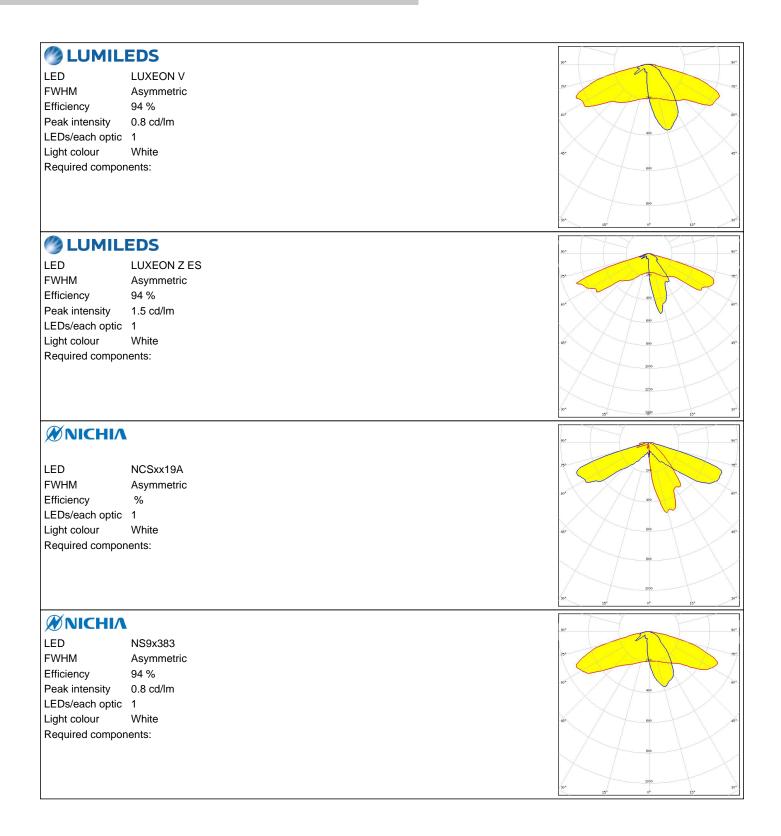














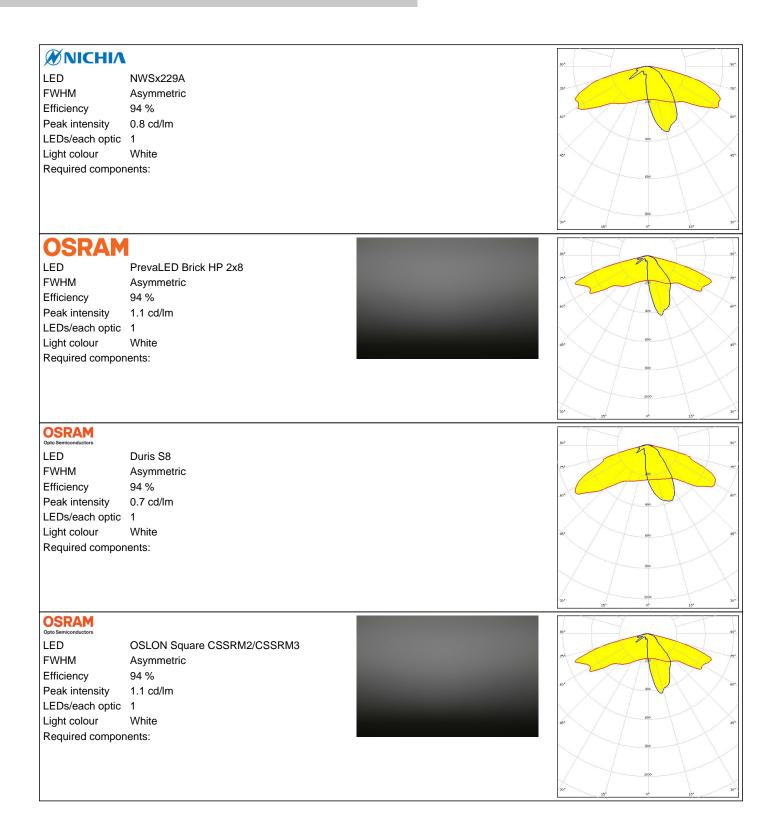
~		
XICHIA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	NVSW219D Asymmetric 94 % 0.9 cd/lm 1 White ents:	
XICHIA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	NVSW219F Asymmetric 94 % 1 cd/lm 1 White	
WICHIA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	NVSW219F Asymmetric 96 % 1 cd/Im 1 White	
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	White	



ΜΝΙCΗΙΛ		91* 91*
LED	NVSW3x9A	
FWHM	Asymmetric	75
Efficiency	94 %	
Peak intensity	1 cd/lm	.604
LEDs/each optic		400
Light colour	White	\times / / \wedge \times
Required compor		· • · · · · · · · · · · · · · · · · · ·
rtequired compor		500
		\times / \times
		200
		30° 15° 30°
Ø NICHIΛ		
		90* 90*
	NVSxE21A	751 782
FWHM	Asymmetric 94 %	
Efficiency		60* 400 60*
Peak intensity	1.5 cd/lm	
LEDs/each optic	White	
Light colour		é' ét
Required compor	ents:	000
		1000
		\times
		30° 1230 30° 30°
Ø NICHIA		
		90° 90°
LED	NVSxx19A	
FWHM	Asymmetric	60*
Efficiency	%	400
LEDs/each optic	1	\times / / \times
Light colour	White	45* 45*
Required compor	ents:	
		00
		900 30° 00 00 30°
		000 000 000 000 000 000
ØNICHIA		90° 000 22° 12° 0° 12° 00°
LED	NVSxx19B/NVSxx19C	90°
LED FWHM	Asymmetric	8° 8° 8° 30° 30° 30° 30° 30° 30° 30° 30° 30° 30° 30° 30°
LED FWHM Efficiency	Asymmetric 96 %	90° 90° 90° 90° 90° 90° 90° 90° 90° 90°
LED FWHM Efficiency Peak intensity	Asymmetric 96 % 1.1 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 96 % 1.1 cd/lm 1	80°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 96 % 1.1 cd/lm 1 White	6 ¹ 6 ¹
LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 96 % 1.1 cd/lm 1 White	00 00 00 00 00 00 00 00 00 00
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 96 % 1.1 cd/lm 1 White	90° 10° 10° 10° 10° 10° 10° 10° 1
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 96 % 1.1 cd/lm 1 White	90° 10° 10° 10° 10° 10° 10° 10° 1
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 96 % 1.1 cd/lm 1 White	



PHOTOMETRIC DATA (MEASURED):



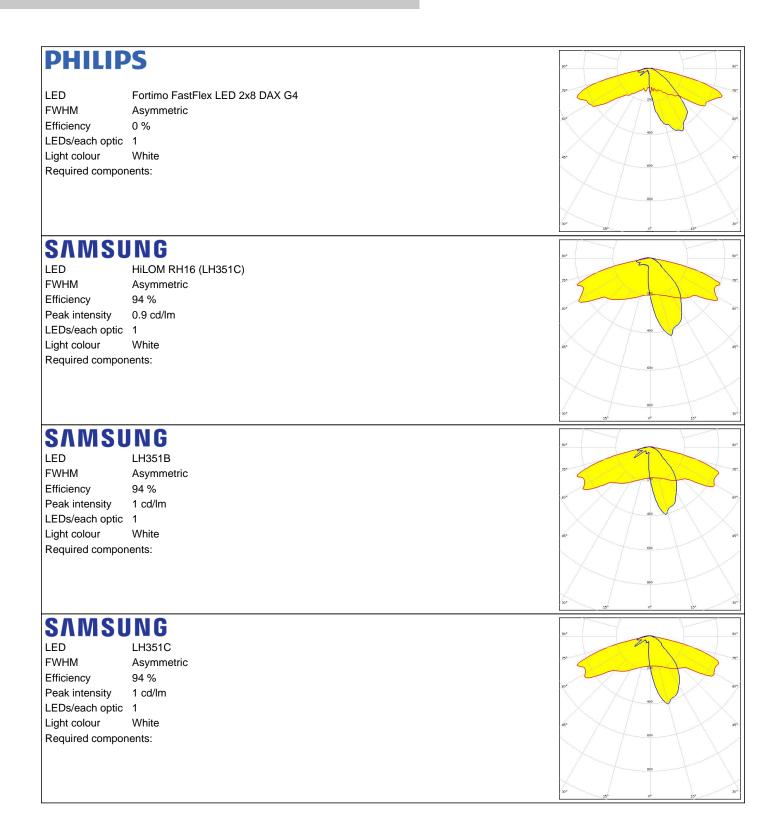
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White	
	00
rotective cover	30* <u>10</u> ⁶ <u>10</u> * 30'
	90° -
White	
S	30 ⁴ 15 ⁵ 0 ⁴ 25 ⁴ 30
Fortimo FastFlex LED 2x8 DA G4 Asymmetric 94 % 1.1 cd/lm 1 White	
Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.8 cd/Im	
	Asymmetric 86 % 1 cd/lm 1 White nents: Protective cover OSLON Square PC Asymmetric 94 % 1 cd/lm 1 White nents: S Fortimo FastFlex LED 2x8 DA G4 Asymmetric 94 % 1.1 cd/lm 1 White nents: S Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.8 cd/lm 1



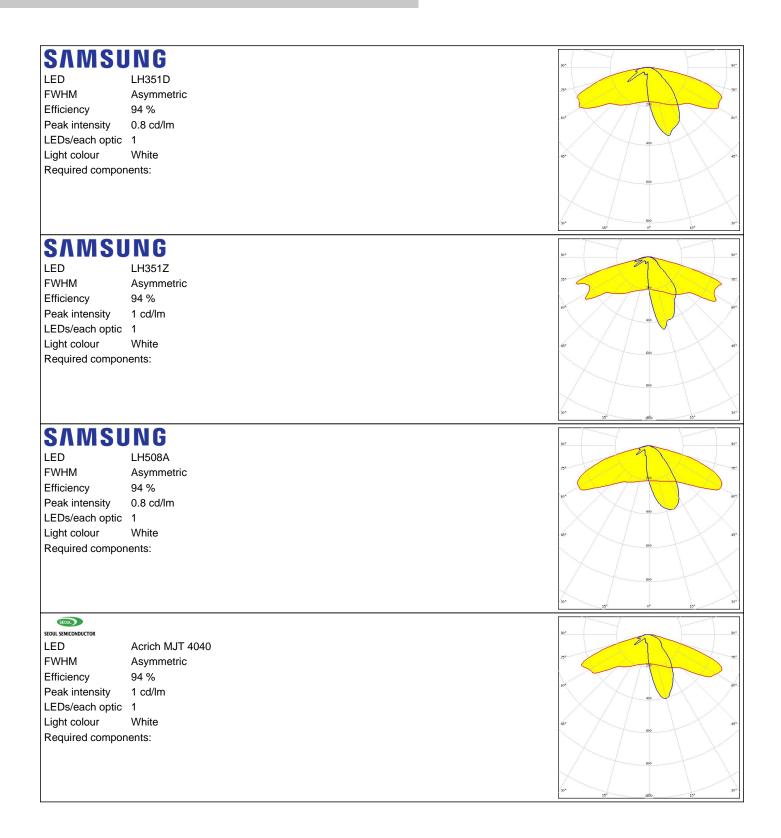
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FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	White	
FWHM Efficiency Peak intensity LEDs/each optic	White	
FWHM	Z5M4 Asymmetric 97 %	25 ¹ 25 ¹ 2
Peak intensity LEDs/each optic	0.9 cd/lm 1 White	6° 6° 60 60 60 60
SEGUL SEMICONDUCTOR	Z5P	20
FWHM Efficiency LEDs/each optic	Asymmetric % 1 White	50° 60 67. 60° 60° 80° 60°



r		
scoul senconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	White	90° 90° 90° 90° 90° 90° 90° 90°
scoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	White	
TOSHIBA Leading Innovation >> LED FWHM Efficiency Peak intensity	TL1L3 Asymmetric 94 % 0.8 cd/lm	01 03 04 04 04 05 04 05 04 05 05 05 05 05 05 05 05 05 05
LEDs/each optic Light colour Required compon	White	5°* 25 60 25 30 ⁴
Leading Innovation 39 LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	White	201 120 00 130 201 201 00 00 00 201 00 00 201 00 2



PHOTOMETRIC DATA (MEASURED):

TRIDONIC LED RLE 2x4 2000lm HP EXC2 OTD FWHM Asymmetric 94 % Efficiency Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour White Required components: TRIDONIC LED RLE 2x8 4000lm HP EXC2 OTD FWHM Asymmetric 94 % Efficiency Peak intensity 1.3 cd/lm LEDs/each optic 1 White Light colour Required components: TRIDONIC LED RLE G1 49x121mm 2000lm xxx EXC OTD FWHM Asymmetric Efficiency 94 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White Required components: TRIDONIC LED RLE G1 49x133mm 2000lm xxx EXC OTD FWHM Asymmetric Efficiency 94 % Peak intensity 1.1 cd/lm LEDs/each optic 1 White Light colour Required components:

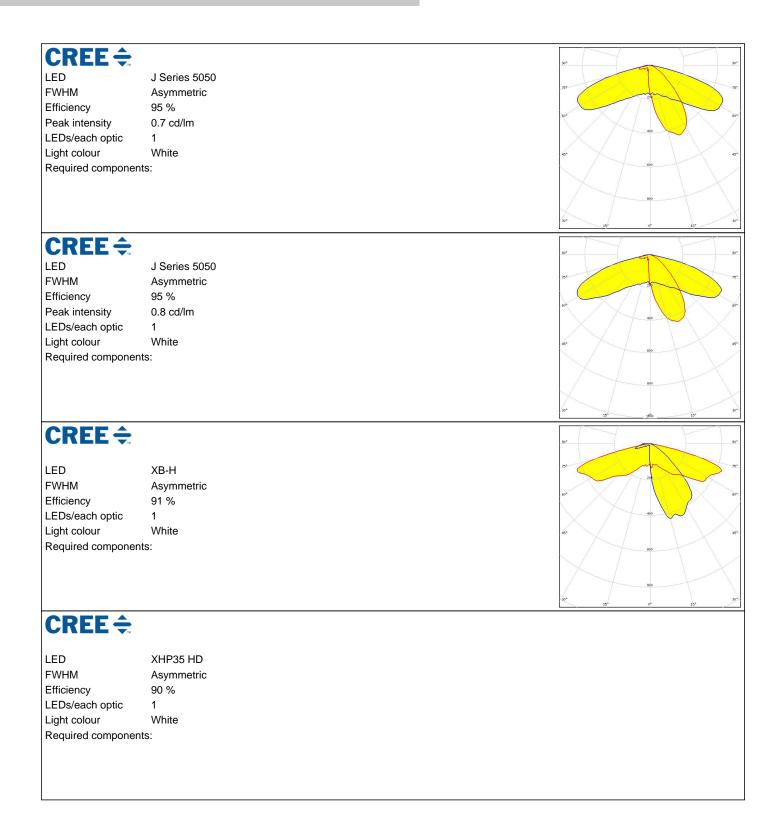
PRODUCT DATASHEET

C13300_STRADA-2X2-T2



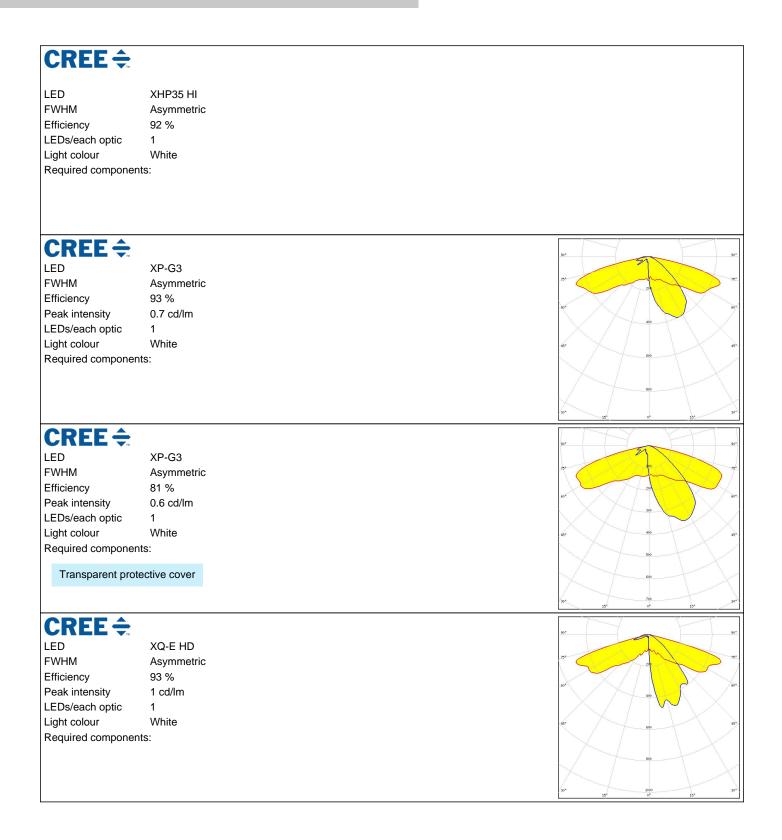
TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	RLE G1 49x223mm 4000lm xxx EXC OTD Asymmetric 94 % 1.1 cd/lm 1 White ients:	23° 29° 29° 29°
TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	RLE G1 49x245mm 4000lm xxx EXC OTD Asymmetric 94 % 1.1 cd/lm 1 White	9)* 9)* 30 60 60 60 60 60 60 60 60 60 6







PHOTOMETRIC DATA (SIMULATED):



PRODUCT DATASHEET

C13300_STRADA-2X2-T2



UMILE	DS	90* 90*
LED	LUXEON 5050 Round LES	2
FWHM	Asymmetric	75
Efficiency	86 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	400
Light colour	White	er /
Required componer	ts:	
Transparent prot	ective cover	600
		30* 15° \$00 15° 30°
	DS	90° 90'
LED	LUXEON 5050 Square LES	51
FWHM	Asymmetric	75%
Efficiency	94 %	
Peak intensity	0.7 cd/lm	60° 60'
LEDs/each optic	1	40
Light colour	White	451 651
Required componer	ts:	640
		\times
		200
		\times / \land \rangle
		30° 13 ⁵ 0° 15° 30°
UMILE	DS	90* 90*
LED	LUXEON 5050 Square LES	n
FWHM	Asymmetric	750 751
Efficiency	85 %	
Peak intensity	0.6 cd/lm	60° 60'
LEDs/each optic	1	400
Light colour	White	45* 45
Required componer	ts:	
_		600
Transparent prof	ective cover	
		30 13 ⁵ 800 15*
	DS	20°
	DS	50° 50'
		90° 99 20
LED	LUXEON H50-2	9° - 99 7° - 70 20
LED FWHM	LUXEON H50-2 Asymmetric	
LED FWHM Efficiency	LUXEON H50-2 Asymmetric %	
LED FWHM Efficiency LEDs/each optic	LUXEON H50-2 Asymmetric % 1	
LED FWHM Efficiency LEDs/each optic Light colour	LUXEON H50-2 Asymmetric % 1 White	
LED FWHM Efficiency LEDs/each optic	LUXEON H50-2 Asymmetric % 1 White	91 91 92 90 90 90 90 90 90 90 90 90 90 90 90 90
LED FWHM Efficiency LEDs/each optic Light colour	LUXEON H50-2 Asymmetric % 1 White	
LED FWHM Efficiency LEDs/each optic Light colour	LUXEON H50-2 Asymmetric % 1 White	91 91 90 90 90 90 90 90 90 90 90 90



UMILEI	DS	90*
LED	LUXEON V2	
FWHM	Asymmetric	75°
Efficiency	94 %	
Peak intensity	0.8 cd/lm	504
LEDs/each optic	1	40
Light colour	White	
Required componen		40° - 600 - 4
Required component		
		0/8
		30* 1000 30 13 ⁵ 0 [*] 15* 30
Ø NICHIA		
LED	NV4WB35AM	
FWHM	Asymmetric	738 7
Efficiency	95 %	
Peak intensity	0.7 cd/lm	50 ⁴ / / / / / / / / / / / / / / / / / / /
LEDs/each optic	1	400
Light colour	White	
Required component		
		\times
		200
		\times
		30* 15 ⁵ 1800 15* 30
Μ ΝΙCΗΙΛ		90°
LED	NVSxE21A	
FWHM	Asymmetric	75°
Efficiency	80 %	
Peak intensity	0.8 cd/lm	66*
LEDs/each optic	1	
Light colour	White	45
Required component	ts:	
		600
Transparent prote	ective cover	\times / \times /
		000 mm
Ø NICHIΛ		 23 ³ 0 ⁴ 13 ⁹
		90*
LED	NVSxx19B/NVSxx19C	75°
FWHM	Asymmetric	
Efficiency	93 %	50*
Peak intensity	0.9 cd/lm	400
LEDs/each optic	1	
Light colour	White	65* 610 5
Required componen	ts:	\times
		800
		\times / \times /
		30* 1000 30
		15 ⁵ 0 ⁶ 15 ⁶



Μ ΝΙCΗΙΛ		9×* 9×*
LED	NVSxx19B/NVSxx19C	
FWHM	Asymmetric	730 730
Efficiency	92 %	
Peak intensity	0.8 cd/lm	40
LEDs/each optic	1	
Light colour	White	45* 660 45*
Required componen	ts:	
		500
		\times
		30* <u>15</u> ⁵ <u>10</u> 80 <u>15</u> * 30*
ΜΝΙCΗΙΛ		907 907
LED	NVSxx19B/NVSxx19C	
FWHM	Asymmetric	75°
Efficiency	82 %	
Peak intensity	0.7 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	6 ⁺ 6 ⁺
Required componen	ts:	
Transparent prot	ective cover	
Tranoparoni prot		\times / \setminus \times
		30* <u>15*</u> 0* <u>15*</u> 30*
ΜΝΙCΗΙΛ		90°
LED	NVSxx19B/NVSxx19C	
FWHM	Asymmetric	750 750
	81 %	
Efficiency Peak intensity		51 ⁴ 50 ⁴
Peak intensity LEDs/each optic	81 % 0.6 cd/lm 1	60° 60°
Peak intensity LEDs/each optic Light colour	81 % 0.6 cd/lm 1 White	50 ⁴ 00 67 60
Peak intensity LEDs/each optic Light colour	81 % 0.6 cd/lm 1 White	50 50 50 50 50 50 50 50 50 50 50 50 50 5
Peak intensity LEDs/each optic Light colour Required componen	81 % 0.6 cd/lm 1 White ts:	
Peak intensity LEDs/each optic Light colour	81 % 0.6 cd/lm 1 White ts:	51 [°] 50°
Peak intensity LEDs/each optic Light colour Required componen Transparent prot	81 % 0.6 cd/lm 1 White ts:	20 ⁴
Peak intensity LEDs/each optic Light colour Required componen	81 % 0.6 cd/lm 1 White ts:	
Peak intensity LEDs/each optic Light colour Required componen Transparent prot	81 % 0.6 cd/lm 1 White ts:	
Peak intensity LEDs/each optic Light colour Required componen Transparent prot	81 % 0.6 cd/lm 1 White ts: ective cover	
Peak intensity LEDs/each optic Light colour Required componen Transparent prot	81 % 0.6 cd/lm 1 White ts: ective cover Duris S8 Asymmetric 81 %	
Peak intensity LEDs/each optic Light colour Required componen Transparent prot	81 % 0.6 cd/lm 1 White ts: ective cover Duris S8 Asymmetric 81 % 0.5 cd/lm	
Peak intensity LEDs/each optic Light colour Required componen Transparent prot OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic	81 % 0.6 cd/lm 1 White ts: ective cover Duris S8 Asymmetric 81 % 0.5 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required componen Transparent prot	81 % 0.6 cd/lm 1 White ts: ective cover Duris S8 Asymmetric 81 % 0.5 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required componen Transparent prot	81 % 0.6 cd/lm 1 White ts: ective cover Duris S8 Asymmetric 81 % 0.5 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required componen Transparent prot OSRAM Or Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	81 % 0.6 cd/lm 1 White ts: ective cover Duris S8 Asymmetric 81 % 0.5 cd/lm 1 White ts:	
Peak intensity LEDs/each optic Light colour Required componen Transparent prot	81 % 0.6 cd/lm 1 White ts: ective cover Duris S8 Asymmetric 81 % 0.5 cd/lm 1 White ts:	



OSRAM Opto Semiconductors		90*
LED	Duris S8	ST ST
FWHM	Asymmetric	750
Efficiency	86 %	
Peak intensity	0.7 cd/lm	601
LEDs/each optic	1	
	v White	400
Light colour		45*
Required componer	IS.	60
Transparent prot	ective cover	
		30* <u>800</u> 15 ⁵ 0° 15*
OSRAM Opto Semiconductors		TN VT
		90*
LED	OSCONIQ P 3737 (2W version)	70 M
FWHM	Asymmetric	
Efficiency	92 %	50*
Peak intensity	0.9 cd/lm	400
LEDs/each optic	1	$X \times (X)$
Light colour	White	45+ 600
Required componer	ts:	X X
		200
		1000
		15 ⁵ 0 ⁶ 15 ⁶
OSRAM Opto Semiconductors		90*
LED	OSCONIQ P 3737 (3W version)	
FWHM	Asymmetric	75°
ETTICIENCV		
Efficiency Peak intensity	94 %	444
Peak intensity	94 % 0.7 cd/lm	60
Peak intensity LEDs/each optic	94 % 0.7 cd/lm 1	60 60
Peak intensity LEDs/each optic Light colour	94 % 0.7 cd/lm 1 White	60° 6°
Peak intensity LEDs/each optic	94 % 0.7 cd/lm 1 White	e3
Peak intensity LEDs/each optic Light colour	94 % 0.7 cd/lm 1 White	60
Peak intensity LEDs/each optic Light colour	94 % 0.7 cd/lm 1 White	60°
Peak intensity LEDs/each optic Light colour	94 % 0.7 cd/lm 1 White	60 60 80 80 80 10 10 10 10 10 10 10 10 10 1
Peak intensity LEDs/each optic Light colour	94 % 0.7 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required componer	94 % 0.7 cd/lm 1 White ts:	
Peak intensity LEDs/each optic Light colour Required componer	94 % 0.7 cd/lm 1 White ts: OSLON Square CSSRM2/CSSRM3	
Peak intensity LEDs/each optic Light colour Required componer	94 % 0.7 cd/lm 1 White tts: OSLON Square CSSRM2/CSSRM3 Asymmetric	
Peak intensity LEDs/each optic Light colour Required componer	94 % 0.7 cd/lm 1 White ts: OSLON Square CSSRM2/CSSRM3 Asymmetric 80 %	
Peak intensity LEDs/each optic Light colour Required componer OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity	94 % 0.7 cd/lm 1 White ts: OSLON Square CSSRM2/CSSRM3 Asymmetric 80 % 0.6 cd/lm	
Peak intensity LEDs/each optic Light colour Required componer Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic	94 % 0.7 cd/lm 1 White ts: OSLON Square CSSRM2/CSSRM3 Asymmetric 80 % 0.6 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required componer OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.7 cd/lm 1 White ts: OSLON Square CSSRM2/CSSRM3 Asymmetric 80 % 0.6 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required componer Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic	94 % 0.7 cd/lm 1 White ts: OSLON Square CSSRM2/CSSRM3 Asymmetric 80 % 0.6 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required componer Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer	94 % 0.7 cd/lm 1 White ts: OSLON Square CSSRM2/CSSRM3 Asymmetric 80 % 0.6 cd/lm 1 White ts:	
Peak intensity LEDs/each optic Light colour Required componer OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	94 % 0.7 cd/lm 1 White ts: OSLON Square CSSRM2/CSSRM3 Asymmetric 80 % 0.6 cd/lm 1 White ts:	
Peak intensity LEDs/each optic Light colour Required componer OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer	94 % 0.7 cd/lm 1 White ts: OSLON Square CSSRM2/CSSRM3 Asymmetric 80 % 0.6 cd/lm 1 White ts:	



OSRAM		
Opto Semiconductors	OSLON Square PC	90* 90
FWHM	Asymmetric	750 78
Efficiency	87 %	
Peak intensity	0.7 cd/lm	604 60
LEDs/each optic	1	
Light colour	White	400
Required componer		45
Required componen	1.5.	00
Transparent prot	ective cover	
		30* 15 ³ 800 15* 300
SAMSU	NG	
LED	LH351B	in the second se
FWHM	Asymmetric	730
Efficiency	81 %	
Peak intensity	0.6 cd/lm	60*
LEDs/each optic	1	
Light colour	White	
Required componer		45*
Required componer		80
Transparent prot	ective cover	600
		30.° 700 30° 15° 30°
		99* 99
LED	SEOUL DC 5050 6V	5
FWHM	Asymmetric	73* 78'
Efficiency	95 %	
Peak intensity	0.6 cd/lm	60*
LEDs/each optic		
		400
	1	
Light colour	1 White	67* 60
	1 White	6°
Light colour	1 White	60°
Light colour	1 White	200 407 909 909
Light colour	1 White	20- 10 ⁴ 0 ² 0 ² 0 ²
Light colour Required componer	1 White	
Light colour Required componer	1 White hts:	
Light colour Required componer secous semiconductor LED	1 White hts: Z8Y19	
Light colour Required componer seous semiconductor LED FWHM	1 White hts: Z8Y19 Asymmetric	
Light colour Required componer seous semiconductor LED FWHM Efficiency	1 White hts: Z8Y19 Asymmetric 90 %	
Light colour Required componer SEQUE SEMICONDUCTOR LED FWHM Efficiency Peak intensity	1 White hts: Z8Y19 Asymmetric 90 % 0.6 cd/lm	
Light colour Required componer scour semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic	1 White hts: Z8Y19 Asymmetric 90 % 0.6 cd/lm 4	
Light colour Required componer scous semiconoucror LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	1 White hts: Z8Y19 Asymmetric 90 % 0.6 cd/lm 4 White	
Light colour Required componer SEQUISEMECHADICTOR LED FWHM Efficiency Peak intensity LEDs/each optic	1 White hts: Z8Y19 Asymmetric 90 % 0.6 cd/lm 4 White	
Light colour Required componer stout stanconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	1 White hts: Z8Y19 Asymmetric 90 % 0.6 cd/lm 4 White	
Light colour Required componer scoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	1 White hts: Z8Y19 Asymmetric 90 % 0.6 cd/lm 4 White	



SEOUL SEMICONDUCTOR		9)*
LED	Z8Y19	
FWHM	Asymmetric	75° 204 75°
Efficiency	93 %	
Peak intensity	0.9 cd/lm	50 ⁴ 400 50 ⁴ .
LEDs/each optic	1	
Light colour	White	45* 500 55*
Required componer	its:	
		80
		30* <u>10</u> ⁴ 0° <u>10</u> * <u>30*</u>



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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