

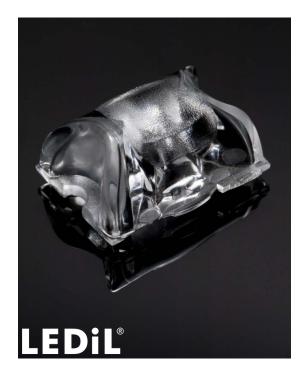
PRODUCT DATASHEET CA12787_STRADA-K

STRADA-K

Asymmetric beam for catenary lighting. Symmetric IESNA Type I (medium) beam for narrow roads and paths with long pole distance and tilted armature. Assembly with installation tape.

SPECIFICATION:

Dimensions	19.6 x 15.5 mm
Height	8.8 mm
Fastening	tape, pin
ROHS compliant	yes 🛈



MATERIALS:

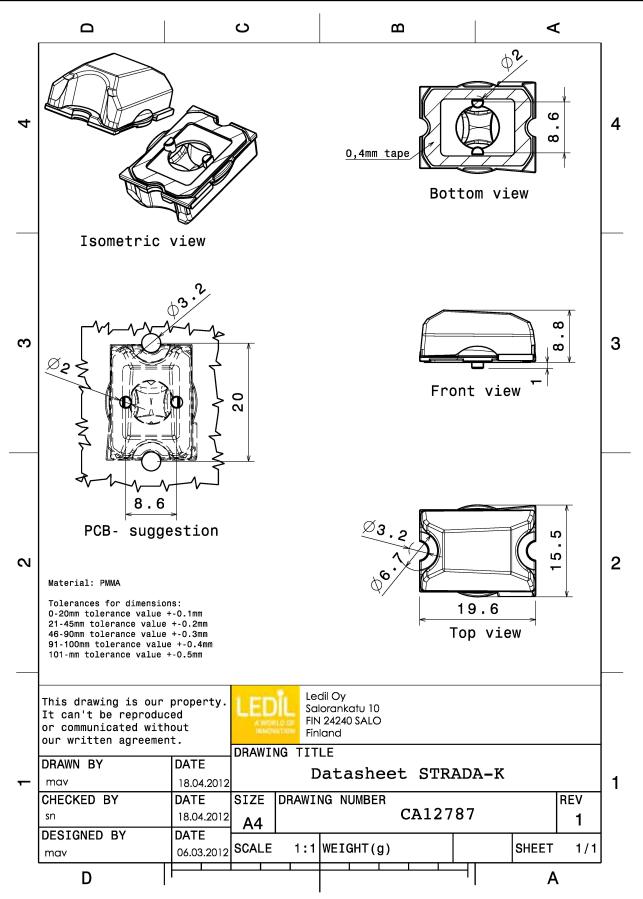
Component	Туре	Material	Colour	Finish
STRADA-K	Single lens	PMMA	clear	
VOSU-WU-M-365-TAPE	Таре	Acrylic foam		

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12787_STRADA-K	Single lens	3360	240	240	6.1
» Box size:					



PRODUCT DATASHEET CA12787_STRADA-K



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

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OPTICAL RESULTS (MEASURED):

		90° 90°
LED	XB-D	730 770
FWHM / FWTM	Asymmetric	
Efficiency	96 %	604 600 601.
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	
Light colour	White	45° 3000 45°
Required compone	nts:	1200
		1430
		1500
		30* <u>10</u> 5 <u>1000</u> <u>10*</u> 20*
		90* 90*
LED	XP-E2	756 786
FWHM / FWTM	Asymmetric	(man
Efficiency	94 %	504
Peak intensity	1.1 cd/lm	800
LEDs/each optic	1	$X / T \land X$
Light colour	White	45* 45*
Required compone	nts:	1200
		X X
		1650
		30* 39*
		<u>8</u> .
CREE ÷	XP-G	
	XP-G Asymmetric	
LED		600
LED FWHM / FWTM	Asymmetric	
LED FWHM / FWTM Efficiency	Asymmetric 95 %	
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 95 % 1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 95 % 1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 1 cd/lm 1 White	73 ⁻ 40 67 67 50 67 50 50 67 50 50 67 50 50 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 95 % 1 cd/lm 1 White	73
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 95 % 1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 95 % 1 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 95 % 1 cd/lm 1 White nts: XP-G2	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 95 % 1 cd/lm 1 White nts: XP-G2 Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 95 % 1 cd/lm 1 White nts: XP-G2 Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 95 % 1 cd/lm 1 White nts: XP-G2 Asymmetric 94 % 1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 95 % 1 cd/lm 1 White nts: XP-G2 Asymmetric 94 % 1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREECS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 1 cd/lm 1 White nts: XP-G2 Asymmetric 94 % 1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 95 % 1 cd/lm 1 White nts: XP-G2 Asymmetric 94 % 1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREECS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 1 cd/lm 1 White nts: XP-G2 Asymmetric 94 % 1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREECS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 1 cd/lm 1 White nts: XP-G2 Asymmetric 94 % 1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE EDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 95 % 1 cd/lm 1 White nts: XP-G2 Asymmetric 94 % 1 cd/lm 1 White	



OPTICAL RESULTS (MEASURED):

LED	XT-E	90* 90*
EED FWHM / FWTM	Asymmetric	730 200 770
Efficiency	96 %	400
Peak intensity	90 % 1.2 cd/lm	50* 500 60*.
LEDs/each optic Light colour	1 White	
Required compone		er. 1000 er.
Required compone	115.	1200
		1490
		1500
		30* <u>15</u> * <u>0</u> ⁶ <u>15</u> * <u>30</u> *
	EDS	90° 90°
LED	LUXEON T	
FWHM / FWTM	Asymmetric	73° 200 73°
Efficiency	94 %	
Peak intensity	1 cd/lm	60 60
LEDs/each optic	1	
Light colour	White	45° 5°
Required compone	nts:	1000
		1290
		1500
		1000
		30° 15° 30° 30°
	EDS	90° 90°
	EDS LUXEON TX	22
	LUXEON TX	200 200 5°.
LED		200
LED FWHM / FWTM	LUXEON TX Asymmetric	200
LED FWHM / FWTM Efficiency	LUXEON TX Asymmetric 94 %	200
LED FWHM / FWTM Efficiency Peak intensity	LUXEON TX Asymmetric 94 % 1.1 cd/m	20 20 20 20 20 52 60 60 60 60 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON TX Asymmetric 94 % 1.1 cd/lm 1 White	30 67 69 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX Asymmetric 94 % 1.1 cd/lm 1 White	20 20 20 20 20 52 60 60 60 60 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX Asymmetric 94 % 1.1 cd/lm 1 White	23 67 67 67 69 67 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX Asymmetric 94 % 1.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON TX Asymmetric 94 % 1.1 cd/lm 1 White nts:	20 00 00 00 00 00 00 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX Asymmetric 94 % 1.1 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON TX Asymmetric 94 % 1.1 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON TX Asymmetric 94 % 1.1 cd/m 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON TX Asymmetric 94 % 1.1 cd/m 1 White hts:	29
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON TX Asymmetric 94 % 1.1 cd/m 1 White Ints:	27 27 27 27 27 27 27 27 27 27
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON TX Asymmetric 94 % 1.1 cd/lm 1 White nts: NVSW219D Asymmetric 94 % 0.9 cd/lm 1	29 60 60 60 60 60 60 60 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON TX Asymmetric 94 % 1.1 cd/lm 1 White nts: NVSW219D Asymmetric 94 % 0.9 cd/lm	29 60 60 60 60 60 60 60 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON TX Asymmetric 94 % 1.1 cd/lm 1 White nts: NVSW219D Asymmetric 94 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON TX Asymmetric 94 % 1.1 cd/lm 1 White nts: NVSW219D Asymmetric 94 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON TX Asymmetric 94 % 1.1 cd/lm 1 White nts: NVSW219D Asymmetric 94 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON TX Asymmetric 94 % 1.1 cd/lm 1 White nts: NVSW219D Asymmetric 94 % 0.9 cd/lm 1 White	



OPTICAL RESULTS (MEASURED):

ØNICHI/		50°
LED	NVSW319B	
FWHM / FWTM	Asymmetric	72 72
Efficiency	94 %	40
Peak intensity	0.9 cd/lm	. 60°
LEDs/each optic	1	
Light colour	White	40° (0°
Required compone	nts:	1090
		1200
		30 ³ 33 ³ 19 ⁵⁰ 33 ⁴
SAMSI	JNG	80*
LED	LH351Z	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	1.1 cd/lm	,60 ⁶ (60
LEDs/each optic	1	80
Light colour	White	ar <u>3000</u> gr
Required compone	nts:	1290
		5490
		150
		30 ⁴ 12 ⁵ 0 ⁴ 13 ⁶ 30 ⁴
TOSHIBA Leading Innovation >>>		99
LED	TL1L4	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	
Light colour	White	er et
Required compone	nts:	1200
		\times / \setminus \times
		1500
		15 ⁵ 0 ⁵ 15 ⁴



OPTICAL RESULTS (SIMULATED):

Г		
MUMILEC	DS	
LED	LUXEON HL1Z	
FWHM / FWTM	Asymmetric	73°
Efficiency	95 %	
Peak intensity	1.5 cd/lm	60 ⁴ 200 60*
LEDs/each optic	1	
Light colour	White	45* 1230 45*
Required components:		
		1630
		2000
		\times $/$ \times \times
		30° 15° 0° 15° 30°
MUMILEC	S	90* 90*
LED	LUXEON HL2X	
FWHM / FWTM	Asymmetric	73°
Efficiency	95 %	
Peak intensity	0.9 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	45*
Required components:		3000
		1200
		1400
		30* 30*
	-	120 100 100
MUMILEC	DS	90* 90*
LED	LUXEON HL2Z	
FWHM / FWTM	Asymmetric	736 752
Efficiency	96 %	
Peak intensity	1.2 cd/lm	50° 60°
LEDs/each optic	1	$\times// \times$
Light colour	White	45* 1220 45*
Required components:		
		30° 15° 3860 15° 30°
		90* 90*
	LUXEON Rebel Plus	75%
FWHM / FWTM	Asymmetric	
Efficiency	96 %	60* 60*
Peak intensity	1.2 cd/lm	
LEDologah anti-	1	
LEDs/each optic	1 White	
Light colour	1 White	-5° 122 - 5°
		6° 100 6°
Light colour		6° 100 6°
Light colour		5 ⁵ 125 5 ⁵



OPTICAL RESULTS (SIMULATED):

A	-	
	05	90* 90*
LED	LUXEON Z	
FWHM / FWTM	Asymmetric	The second secon
Efficiency	96 %	
Peak intensity	1.5 cd/lm	- 50°
LEDs/each optic	1	
Light colour	White	45* 45*
Required components:		1050
		\times
		2000
		30* 30*
Maurina		11 ² <u>A²</u>
Μ ΝΙCΗΙΛ		90* 90*
LED	NVSxx19B/NVSxx19C	200
FWHM / FWTM	Asymmetric	
Efficiency	94 %	50 ⁴ 50 ⁴
Peak intensity	1 cd/lm	
LEDs/each optic	1	X 100 X X
Light colour	White	45° 1000 45°
Required components:		1200
		3830
		1690
		30* 15 ³ 1890 15* 30*
OSRAM		
OSRAM Opto Semiconductors		10 10 10 10 10 10 10 10 10 10 10 10 10 1
Opto Semiconductors LED	OSCONIQ P 3737 (2W version)	
Opto Semiconductors LED FWHM / FWTM	Asymmetric	
Opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 96 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 96 % 1 cd/lm	200 90° 200 90° 200 90° 200 90° 200 90° 200 90° 200 90°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 96 % 1 cd/lm 1	50° 500 70°. 73° 60 60°.
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 96 % 1 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 96 % 1 cd/lm 1	50° 500 70°. 73° 60 60°.
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 96 % 1 cd/lm 1	90° 10° 10° 10° 10° 10° 10° 10° 1
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 96 % 1 cd/lm 1	5° 7° 6° 6° 120 6° 6° 120 120 120 120 120 120 120 120
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 96 % 1 cd/lm 1	50° 600 60°. 1000 6°° 1000 6°°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 96 % 1 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 96 % 1 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED	Asymmetric 96 % 1 cd/lm 1 White OSLON Square PC	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM	Asymmetric 96 % 1 cd/lm 1 White OSLON Square PC Asymmetric	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 96 % 1 cd/lm 1 White OSLON Square PC Asymmetric 96 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 96 % 1 cd/lm 1 White OSLON Square PC Asymmetric 96 % 0.8 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 96 % 1 cd/lm 1 White OSLON Square PC Asymmetric 96 % 0.8 cd/lm 1	
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 Light colour	Asymmetric 96 % 1 cd/lm 1 White OSLON Square PC Asymmetric 96 % 0.8 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 96 % 1 cd/lm 1 White OSLON Square PC Asymmetric 96 % 0.8 cd/lm 1	
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 Light colour	Asymmetric 96 % 1 cd/lm 1 White OSLON Square PC Asymmetric 96 % 0.8 cd/lm 1	
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 Light colour	Asymmetric 96 % 1 cd/lm 1 White OSLON Square PC Asymmetric 96 % 0.8 cd/lm 1	



OPTICAL RESULTS (SIMULATED):

SAMSU	NG	91* 90
LED	LH351A	
FWHM / FWTM	Asymmetric	
Efficiency	92 %	
Peak intensity	1 cd/lm	50* 60
LEDs/each optic	1	× × ×
Light colour	White	-0° 2000 47
Required components	8:	
		1200
		1400
		1500
		30* <u>10</u> 101 101 101
SAMSU	NG	
LED	LH351B	
FWHM / FWTM	Asymmetric	734
Efficiency	94 %	
Peak intensity	1 cd/lm	.50 ⁴ 600 60 ⁴
LEDs/each optic	1	
Light colour	White	6° 1000 6°
Required components	8:	
		1200
		500
		300 300
		25 ⁶ 0 ⁹ 15 ⁷ 20
SAMSU	NG	
LED	LM301B	
FWHM / FWTM	Asymmetric	730 800 72
Efficiency	96 %	
Peak intensity	1 cd/lm	50 ⁴ 500
LEDs/each optic	1	
Light colour	White	er 1000 er
Required components	3:	
		220
		369
		1570
		30° 125 0° 10° 30



PRODUCT DATASHEET CA12787_STRADA-K

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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