

PRODUCT DATASHEET C17830_STRADA-2X2-5050-SCL

STRADA-2X2-5050-SCL

Type II/III (long) beam for very wide pole to pole distances. Ideal for pedestrian paths and residential roads. EN13201 P-classes.

SPECIFICATION:

Dimensions Height Fastening ROHS compliant 50.0 x 50.0 mm 7.1 mm pin, screw yes 1



MATERIALS:

Component STRADA-2X2-5050-SCL

Туре
Multi-lens

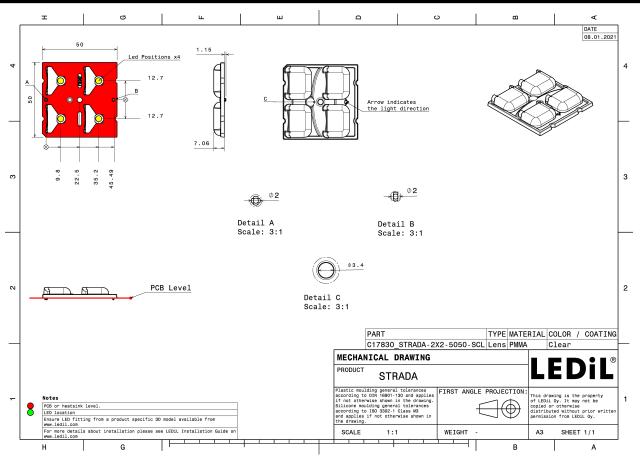
Material	Colour	Finish
PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17830_STRADA-2X2-5050-SCL	800	160	160	8.9
» Box size: 480 x 280 x 300 mm				



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



OPTICAL RESULTS (MEASURED):

	D	80
LED	J Series 5050C 6V E Class	
FWHM / FWTM	Asymmetric	20
Efficiency	94 %	
Peak intensity	1 cd/lm	
LEDs/each optic	1	40
Light colour	White	45* 200 45*
Required compone	ents:	600
		700
		80
		30* 540 30*
		15 ⁵ 0 ⁶ 15 [*]
PHILIF	PS S	90* 92*
	Fortimo FastFlex LED 2x8 DA HE	8.
		57 57 78 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
LED	Fortimo FastFlex LED 2x8 DA HE	50°
LED FWHM / FWTM	Fortimo FastFlex LED 2x8 DA HE Asymmetric	50° 731 50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency	Fortimo FastFlex LED 2x8 DA HE Asymmetric 96 %	50° 71° 60° 800 800 800 800 800 800 800 800 800 8
LED FWHM / FWTM Efficiency Peak intensity	Fortimo FastFlex LED 2x8 DA HE Asymmetric 96 % 0.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x8 DA HE Asymmetric 96 % 0.9 cd/lm 1 White	5° 5°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DA HE Asymmetric 96 % 0.9 cd/lm 1 White	5° 5°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DA HE Asymmetric 96 % 0.9 cd/lm 1 White	5° 5°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DA HE Asymmetric 96 % 0.9 cd/lm 1 White	5° 5°



LED	J Series 5050 Round LES	90° 90°
FWHM / FWTM	Asymmetric	750 750
Efficiency	91 %	200
-		60* 64
Peak intensity	0.9 cd/lm	400
LEDs/each optic	1	
Light colour	White	45* 000 45*
Required components:		
		30° 15° 0° 15° 30°
	Series E0E0 Dound ES	90* 90*
	J Series 5050 Round LES	750 700 700
FWHM / FWTM	Asymmetric	
Efficiency	71%	60 ⁴ 200 60 ⁴
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	× / ×
Light colour	White	45' 45'
Required components:		400
Protective plate	a dass	
	, 9000	
		30° 25 ³ 0° 15° 30°
		90 ⁴
LED	J Series 5050B 6V K Class	
FWHM / FWTM	Asymmetric	75* 30 75*
Efficiency	89 %	200
Peak intensity	0.8 cd/lm	60° 200 60°
LEDs/each optic	1	XXX X/
Light colour	White	
Required components:		$K \times / T \times /$
		60
		710
		80
		30° 15° 8° 15° 30°
		90° 80°
	XP-G3	Pr
LED	XP-G3 Asymmetric	Ale
LED FWHM / FWTM	Asymmetric	All and a second s
LED FWHM / FWTM Efficiency	Asymmetric 65 %	
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 65 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 65 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 65 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 65 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 65 % 0.6 cd/lm 1 White	60 60 60 60 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 65 % 0.6 cd/lm 1 White	



UMILEI	DS	300 300
LED	LUXEON 5050 HE	
FWHM / FWTM	Asymmetric	75
Efficiency	89 %	
Peak intensity	0.8 cd/lm	60 ⁴ 300 60 ⁴
LEDs/each optic	1	
Light colour	White	45°
Required components:		
		600
		700
		000
		30° 15° 30°
UMILEI	DS	50°
LED	LUXEON 5050 HE	
FWHM / FWTM	Asymmetric	75%
Efficiency	69 %	
Peak intensity	0.6 cd/lm	50 ⁴ 200 50 ⁴
LEDs/each optic	1	
Light colour	White	45*
Required components:		400
		\times
Protective plat	te, glass	200
		10° 0° 10°
		90* 90*
LED		
	LUXEON 5050 Round LES	
FWHM / FWTM	Asymmetric	7°
FWHM / FWTM Efficiency	Asymmetric 69 %	20
FWHM / FWTM Efficiency Peak intensity	Asymmetric 69 % 0.6 cd/lm	51°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 69 % 0.6 cd/lm 1	20
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 69 % 0.6 cd/lm 1 White	55
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 69 % 0.6 cd/lm 1 White	5 ¹ 20 6 ¹
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 69 % 0.6 cd/lm 1 White	65°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 69 % 0.6 cd/lm 1 White	47 67 67 90 60 60 60 60 60 60 60 60 60 60 60 60 60
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 69 % 0.6 cd/lm 1 White	200 000 100 100 100 100 100 100 100 100
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat	Asymmetric 69 % 0.6 cd/lm 1 White	500 500 24 ⁴ 600 240
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat	Asymmetric 69 % 0.6 cd/lm 1 White te, glass	50
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat	Asymmetric 69 % 0.6 cd/lm 1 White te, glass LUXEON 5050 Square LES	50
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat	Asymmetric 69 % 0.6 cd/lm 1 White te, glass DS LUXEON 5050 Square LES Asymmetric	500 500 24 ⁴ 600 240
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat CONTINUE LED FWHM / FWTM Efficiency	Asymmetric 69 % 0.6 cd/lm 1 White te, glass DS LUXEON 5050 Square LES Asymmetric 70 %	50
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat Orective plat Orective plat Orective plat ORECTIVE CONTINUE	Asymmetric 69 % 0.6 cd/lm 1 White te, glass DS LUXEON 5050 Square LES Asymmetric 70 % 0.5 cd/lm	500 200 201
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat When the state of	Asymmetric 69 % 0.6 cd/lm 1 White te, glass DS LUXEON 5050 Square LES Asymmetric 70 % 0.5 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat	Asymmetric 69 % 0.6 cd/lm 1 White te, glass DS LUXEON 5050 Square LES Asymmetric 70 % 0.5 cd/lm 1 White	500 200 201
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat When the state of	Asymmetric 69 % 0.6 cd/lm 1 White te, glass DS LUXEON 5050 Square LES Asymmetric 70 % 0.5 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat Orective plat Orective plat	Asymmetric 69 % 0.6 cd/lm 1 White te, glass DS LUXEON 5050 Square LES Asymmetric 70 % 0.5 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat With Colour Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 69 % 0.6 cd/lm 1 White te, glass DS LUXEON 5050 Square LES Asymmetric 70 % 0.5 cd/lm 1 White	



UMILE	15	50*
LED	LUXEON 5050 Square LES	
FWHM / FWTM	Asymmetric	251
Efficiency	89 %	
Peak intensity	0.8 cd/lm	60° 300
LEDs/each optic	1	400
Light colour	White	45° 500
Required components:		
		700
		30*
Μ ΝΙCΗΙΛ		
LED	NFMW48xA	90°
FWHM / FWTM	Asymmetric	20
Efficiency	86 %	20
Peak intensity	0.8 cd/lm	60 ⁴ 30
LEDs/each optic	1	
Light colour	White	427. 200
Required components:		60
		700
		90* 900 15* 0 ^b 15*
OSRAM Opto Semiconductors		90*
LED	Duris S8	
FWHM / FWTM	Asymmetric	750
Efficiency	69 %	
Peak intensity	0.5 cd/lm	60° 200
LEDs/each optic	1	
Light colour	White	45"
Required components:		400
Protective plat	e, glass	
	e, glass	
Protective plat	e, glass	30° 10° 10°
Protective plat		90°
Protective plat	OSCONIQ S 5050	50° - 50° -
Protective plat	OSCONIQ S 5050 Asymmetric	20 20 20 20 20 20 20 20 20 20
Protective plate OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	OSCONIQ S 5050 Asymmetric 74 %	
Protective plate OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	OSCONIQ S 5050 Asymmetric	
Protective plate OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	OSCONIQ S 5050 Asymmetric 74 % 0.5 cd/lm 1	90° 191° 1
Protective plate Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	OSCONIQ S 5050 Asymmetric 74 % 0.5 cd/lm	20 20 20 20 20 20 20 20 20 20 20 20 20 2
Protective plate OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSCONIQ S 5050 Asymmetric 74 % 0.5 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20 20 20 20 2
Protective plate Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	OSCONIQ S 5050 Asymmetric 74 % 0.5 cd/lm 1 White	



OSRAM		
Opto Semiconductors	OSCONIQ S 5050	90* 90*
FWHM / FWTM		720
Efficiency	Asymmetric 94 %	210
Peak intensity	94 /o 0.8 cd/lm	. 50 ⁴ 300 60 ⁴
LEDs/each optic	1	
Light colour	' White	
Required components:	Winte	- 65°
		700
		80
		30 ⁴ 50 15 ⁵ 0 ⁶ 15 ⁴ 30 ⁴
OSRAM Opto Semiconductors		90°
LED	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	Asymmetric	73°
Efficiency	66 %	
Peak intensity	0.6 cd/lm	ee* ear
LEDs/each optic	1	
Light colour	White	-5° - 5°
Required components:		340
Protective plate	e, glass	400
		30* <u>30</u> * <u>30</u> * <u>30</u> *
PHILIPS		84 ⁴
		82
LED	Fortimo FastFlex LED 2x8 DA HE	9 ¹ 7 ⁶ 7 ⁷
LED FWHM / FWTM	Fortimo FastFlex LED 2x8 DA HE Asymmetric	13- 13- 10- 10- 10- 10- 10- 10- 10- 10- 10- 10
LED FWHM / FWTM Efficiency	Fortimo FastFlex LED 2x8 DA HE	
LED FWHM / FWTM	Fortimo FastFlex LED 2x8 DA HE Asymmetric 77 %	
LED FWHM / FWTM Efficiency Peak intensity	Fortimo FastFlex LED 2x8 DA HE Asymmetric 77 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x8 DA HE Asymmetric 77 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Fortimo FastFlex LED 2x8 DA HE Asymmetric 77 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DA HE Asymmetric 77 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Fortimo FastFlex LED 2x8 DA HE Asymmetric 77 % 0.5 cd/lm 1 White	40 50 30 ¹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Fortimo FastFlex LED 2x8 DA HE Asymmetric 77 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Fortimo FastFlex LED 2x8 DA HE Asymmetric 77 % 0.5 cd/lm 1 White e, glass	40 50 30 ¹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate SAMSUN LED	Fortimo FastFlex LED 2x8 DA HE Asymmetric 77 % 0.5 cd/lm 1 White e, glass	40 50 30 ¹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate SAMSUN LED FWHM / FWTM	Fortimo FastFlex LED 2x8 DA HE Asymmetric 77 % 0.5 cd/lm 1 White e, glass	40 50 30 ¹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate SAMSUN LED FWHM / FWTM Efficiency	Fortimo FastFlex LED 2x8 DA HE Asymmetric 77 % 0.5 cd/lm 1 White e, glass LH502C Asymmetric 94 %	40 50 30 ¹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate SAMSUN LED FWHM / FWTM Efficiency Peak intensity	Fortimo FastFlex LED 2x8 DA HE Asymmetric 77 % 0.5 cd/lm 1 White e, glass LH502C Asymmetric 94 % 0.8 cd/lm	40 50 30 ¹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x8 DA HE Asymmetric 77 % 0.5 cd/lm 1 White e, glass LH502C Asymmetric 94 % 0.8 cd/lm 1	40 50 30 ¹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DA HE Asymmetric 77 % 0.5 cd/lm 1 White e, glass LH502C Asymmetric 94 % 0.8 cd/lm	40 50 30 ¹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x8 DA HE Asymmetric 77 % 0.5 cd/lm 1 White e, glass LH502C Asymmetric 94 % 0.8 cd/lm 1	40 50 30 ¹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DA HE Asymmetric 77 % 0.5 cd/lm 1 White e, glass LH502C Asymmetric 94 % 0.8 cd/lm 1	40 50 30 ¹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DA HE Asymmetric 77 % 0.5 cd/lm 1 White e, glass LH502C Asymmetric 94 % 0.8 cd/lm 1	40 50 30 ¹



SAMSUI	NG	90*
LED	LH502C	
FWHM / FWTM	Asymmetric	75°
Efficiency	74 %	X X
Peak intensity	0.5 cd/lm	504
LEDs/each optic	1	$\mid \times \succ$
Light colour	White	45*
Required components:		\searrow $+$
Protective pla	te, glass	\times
		30* 15
SAMSUI	NG	1.174
LED	LH502D	90-
ED FWHM / FWTM		750
Efficiency	Asymmetric 94 %	$ \mathcal{V} \mathcal{X} $
Peak intensity	94 % 0.8 cd/lm	60*
LEDs/each optic	1	$ \vee \rangle$
Light colour	White	45*
Required components:		
riequired compension		$\searrow \rightarrow$
		$\vee \rightarrow$
		\checkmark
		/30*15*
SAMSUI	N G	90*
LED	LH502D	
FWHM / FWTM	Asymmetric	75°
Efficiency	74 %	$X \times$
Peak intensity	0.5 cd/lm	60° X /
LEDs/each optic	1	$ \times \times$
Light colour	White	45*
Required components:		$\setminus/+$
Protective pla	te, glass	XI
		an the
		 15
SEOUL		90*
LED	MJT 5050	
FWHM / FWTM	Asymmetric	780
Efficiency	87 %	$X \times X$
Peak intensity	0.8 cd/lm	60*
LEDs/each optic	1	$ \times \times $
Light colour	White	45*
Required components:		$ \vee +$
		XX
		XX
		153



PRODUCT DATASHEET C17830_STRADA-2X2-5050-SCL

SEQUE SEMICONDUCTOR		8°*
LED	SEOUL DC 5050 6V	
FWHM / FWTM	Asymmetric	70 Martin
Efficiency	87 %	200
Peak intensity	0.8 cd/lm	- 60 ⁴ - 30
LEDs/each optic	1	400
Light colour	White	45+ 500
Required components		640
		740
		800
		30. 390
SEOUL		 19, 19, 19,
SEOUL SEMICONDUCTOR		90*
LED	SEOUL DC 5050 6V	
FWHM / FWTM	Asymmetric	13°
Efficiency	70 %	
Peak intensity	0.5 cd/lm	60 ⁴ 200
LEDs/each optic	1	X
Light colour	White	45*
Required components		400
Required components		
Protective pla		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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