

PRODUCT DATASHEET C15677_STRADELLA-8-SCL

STRADELLA-8-SCL

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

TECHNICAL SPECIFICATIONS:

Dimensions Height Fastening ROHS compliant 49.5 x 49.5 mm 5.4 mm pin, screw yes 1



MATERIAL SPECIFICATIONS:

Component STRADELLA-8-SCL

Туре	
Multi-lens	

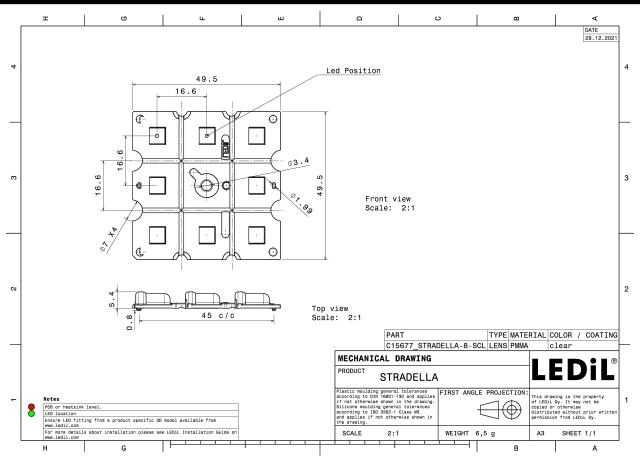
Material	Colour	Finish
PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C15677_STRADELLA-8-SCL	800	160	160	6.0
» Box size: 480 x 280 x 300 mm				



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



PHOTOMETRIC DATA (MEASURED):

CODET		90* 90*
	QUICK FLUX XT 2x8 xxx STRDLL G5	
FWHM / FWTM	Asymmetric	75* 75*
Efficiency	90 %	
Peak intensity	0.7 cd/lm	60* 60*
LEDs/each optic	1	× / + +++
Light colour	White	
Required componer		45° 600 45°
		\times / \times
		800
		\times
		30° 1000 30° 30°
		90* 90*
	J Series 3030	750 750
FWHM / FWTM	Asymmetric 94 %	
Efficiency		.50*
Peak intensity	0.7 cd/lm	400
LEDs/each optic	1	
Light colour	White	45* 60 65*
Required componer	15.	\times / \times
		200
		\times
		30° 1000 30° 30°
LED	XT-E	90° 90°
FWHM / FWTM	Asymmetric	75* 75*
	93 %	
Efficiency Peak intensity	95 % 0.7 cd/lm	60* 60*
LEDs/each optic	1	400
Light colour	White	
Required componer		45* 600 45*
Required componer		\times / / \times
		X/T/X
		20 ¹⁴ 22 ¹⁵ 2000 12 ¹⁵ 30 ¹⁷
	EDS	201° 22 ³ 1090 22 ³ 30 ³
		50° 1000 15° 30°
LED	LUXEON 3030 2D (Round LES)	20° 20° 20° 20° 20°
LED FWHM / FWTM	LUXEON 3030 2D (Round LES) Asymmetric	20° 12° 1000 22° 20°
LED FWHM / FWTM Efficiency	LUXEON 3030 2D (Round LES) Asymmetric 94 %	54° 52° 1000 23° 31°
LED FWHM / FWTM Efficiency Peak intensity	LUXEON 3030 2D (Round LES) Asymmetric 94 % 0.8 cd/lm	50 ⁴ 400 50 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 3030 2D (Round LES) Asymmetric 94 % 0.8 cd/lm 1	50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 3030 2D (Round LES) Asymmetric 94 % 0.8 cd/lm 1 White	en. en. 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 3030 2D (Round LES) Asymmetric 94 % 0.8 cd/lm 1 White	61° 600 60° 50° 1000 12° 72° 72°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 3030 2D (Round LES) Asymmetric 94 % 0.8 cd/lm 1 White	60 60 90 90 90 90 90 90 90 90 90 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 3030 2D (Round LES) Asymmetric 94 % 0.8 cd/lm 1 White	20 ⁴ 100 10 ⁴ 20 ⁴



PHOTOMETRIC DATA (MEASURED):

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LED	NVSW219D	•••
FWHM / FWTM	Asymmetric	599
Efficiency	93 %	300
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	200
Required compone		199
		100
		-116.4" -112.4" -47.4" -45.4" -42.4" 6.6" 22.4" 67.4" 67.5" 96.6" 112.4" 116.0
OSRAM Opto Semiconductors		90* 90*
LED	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	Asymmetric	75*
Efficiency	93 %	
Peak intensity	0.7 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	43° 000 95°
Required compone	nts:	
		800
		X / X
		1000
1		15° 0° 15°
<u> </u> S M S I 	JNG	90° 90°
	JNG LH181B	8°
	LH181B	12 ¹ 12 ¹
LED		
LED FWHM / FWTM	LH181B Asymmetric	
LED FWHM / FWTM Efficiency	LH181B Asymmetric 92 %	
LED FWHM / FWTM Efficiency Peak intensity	LH181B Asymmetric 92 % 0.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH181B Asymmetric 92 % 0.7 cd/lm 1 White	50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH181B Asymmetric 92 % 0.7 cd/lm 1 White	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH181B Asymmetric 92 % 0.7 cd/lm 1 White	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH181B Asymmetric 92 % 0.7 cd/lm 1 White	00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH181B Asymmetric 92 % 0.7 cd/lm 1 White	80
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH181B Asymmetric 92 % 0.7 cd/lm 1 White	00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH181B Asymmetric 92 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH181B Asymmetric 92 % 0.7 cd/lm 1 White nts:	00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH181B Asymmetric 92 % 0.7 cd/lm 1 White nts: Z8Y22P	50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH181B Asymmetric 92 % 0.7 cd/lm 1 White Ints: Z8Y22P Asymmetric	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stous semiconoucron LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH181B Asymmetric 92 % 0.7 cd/lm 1 White nts: Z8Y22P Asymmetric 93 % 0.6 cd/lm 1	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stout stemiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH181B Asymmetric 92 % 0.7 cd/lm 1 White nts: Z8Y22P Asymmetric 93 % 0.6 cd/lm 1 White	50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stous semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH181B Asymmetric 92 % 0.7 cd/lm 1 White nts: Z8Y22P Asymmetric 93 % 0.6 cd/lm 1 White	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stout stemiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH181B Asymmetric 92 % 0.7 cd/lm 1 White nts: Z8Y22P Asymmetric 93 % 0.6 cd/lm 1 White	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stout stemiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH181B Asymmetric 92 % 0.7 cd/lm 1 White nts: Z8Y22P Asymmetric 93 % 0.6 cd/lm 1 White	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seous semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH181B Asymmetric 92 % 0.7 cd/lm 1 White nts: Z8Y22P Asymmetric 93 % 0.6 cd/lm 1 White	90° 90° 90° 90° 90° 90° 90° 90° 90° 90°



		80°
LED	XP-G3	h
FWHM / FWTM	Asymmetric	780 770
Efficiency	74 %	
	0.3 cd/lm	604 601
Peak intensity		
LEDs/each optic	1	
Light colour	White	45+
Required components:		400
Protective plate	e, glass	\times \land \times
		500
		^{30*} 15 ⁵ 0 ⁶ 15 ⁶ ^{30*}
		90* 90*
LED	XP-G3	
FWHM / FWTM	Asymmetric	
Efficiency	90 %	
Peak intensity	0.6 cd/lm	-60°
LEDs/each optic	1	400
Light colour	White	45° 500 45°
Required components:		500
		20* 20*
		1.30° 135° 300 135°
LUMILED)S	90* 90*
LED	LUXEON 5050 Square LES	
FWHM / FWTM	Asymmetric	73°
Efficiency	92 %	
Peak intensity	0.4 cd/lm	50° 50°
LEDs/each optic	1	
Light colour	White	45°
Required components:		400
		\times \wedge \times
		540
		30* 30*
		90* 90*
LED	LUXEON C	
FWHM / FWTM	Asymmetric	
Efficiency	89 %	50° 400 50°.
Peak intensity	0.9 cd/lm	X/T X
LEDs/each optic	1	XX
Light colour	White	45°
Required components:		80
		\times / \times
		1000
		5550



r		
ΜΝΙCΗΙΛ		
LED	NVSxE21A	90* 90*
EED FWHM / FWTM		750 700 700
	Asymmetric 91 %	
Efficiency		66* 400 60*
Peak intensity	0.8 cd/lm	
LEDs/each optic		60
Light colour	White	-6°-
Required components:		80
		1000
		X T X
		30* 1230 30* 30*
ØNICHI Λ		
LED	NVSxx19B/NVSxx19C	94*
FWHM / FWTM	Asymmetric	75
Efficiency	91 %	
Peak intensity	0.6 cd/lm	60* 60*.
LEDs/each optic	1	40
Light colour	White	80
Required components:	White	67 660
		700
		800
		30° <u>900</u> 315° 0° 15° 31°
OSRAM Opto Semiconductors		
LED	OSCONIQ C 2424	
FWHM / FWTM	Asymmetric	750 200 72°
Efficiency	77 %	
Peak intensity	0.5 cd/lm	.50*
LEDs/each optic	1	
Light colour	White	451 614
Required components:		20
		640
Protective plate	e, glass	710
		200
		30* 30*
OSDAM		14 ³ 0 ⁶ 1 ⁶
OSRAM Opto Semiconductors		80° 5 80°
	OSCONIQ C 2424	90* 97* 15* 90*
Opto Semiconductors	OSCONIQ C 2424 Asymmetric	R,
Opto Semiconductors LED		20° 0° 19° 20° 9° 20° 7° 19°
^{opto Semiconductors} LED FWHM / FWTM	Asymmetric	24 ³ 0 ⁴ 15 ⁴ 94 ⁴ 75 76 64 ⁴ 66 ⁴ 66 ⁴ 66 ⁴ 66 ⁴ 66 ⁴
opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 93 %	24 ³ 0 ⁴ 13 ⁴ 94 ⁴ 78 ⁴ 64 ⁴ 64 ⁴ 60 60 ⁴ 60 ⁴ 6
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 93 % 0.8 cd/lm	24 ³ 0 ⁴ 13 ⁴ 20 ⁴ 2 ⁴
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 0.8 cd/lm 1	21°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.8 cd/lm 1	21°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.8 cd/lm 1	21°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.8 cd/lm 1	



OSRAM			
Opto Semiconductors		90°	90*
LED	OSCONIQ P 3737 (3W version)	4	
FWHM / FWTM	Asymmetric	730 100	77.
Efficiency	77 %		
Peak intensity	0.4 cd/lm	50 ⁴ 200	604
LEDs/each optic	1		\wedge
Light colour	White	X	
Required components:	Wille	45*	45 ⁺
Required components.		400	
Protective plate	, glass	500	\sim
		\times / T	$\langle \rangle$
		30° 15° 2°	30°
OSRAM Opto Semiconductors		90*	90*
LED	OSLON Square CSSRM2/CSSRM3		
FWHM / FWTM	Asymmetric	736 100	782
Efficiency	73 %	XXLA	$\langle X \rangle$
Peak intensity	0.4 cd/lm		60*
LEDs/each optic	1		$\langle \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$
Light colour	White	45*	65 ⁺
Required components:		400	$ \land \land$
		\times	X
Protective plate	, glass	500	
			30*
		15	15°
OSRAM Opto Semiconductors		80*	90*
LED	OSLON Square PC	9	
FWHM / FWTM		20 million	T+
FWHM / FWTM Efficiency	Asymmetric 91 %	78	R
Efficiency	Asymmetric	20 6)* 60	604
Efficiency Peak intensity	Asymmetric 91 %	50"	60
Efficiency Peak intensity LEDs/each optic	Asymmetric 91 % 0.7 cd/lm		100
Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.7 cd/lm 1	20 61 67 60	
Efficiency Peak intensity LEDs/each optic	Asymmetric 91 % 0.7 cd/lm 1	0° 00 0° 00	
Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.7 cd/lm 1	83° 60 60° 60 60°	
Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.7 cd/lm 1	6° 60 6° 60 6° 60	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1		$\left\langle \right\rangle$
Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1		
Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1 White		
Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1 White OSLON Square PC		
Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1 White OSLON Square PC Asymmetric		
Efficiency Peak intensity LEDs/each optic Light colour Required components: OPDS Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 91 % 0.7 cd/lm 1 White OSLON Square PC Asymmetric 80 %		
Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1 White OSLON Square PC Asymmetric 80 % 0.4 cd/lm		
Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1 White OSLON Square PC Asymmetric 80 % 0.4 cd/lm 1	5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1 White OSLON Square PC Asymmetric 80 % 0.4 cd/lm		
Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1 White OSLON Square PC Asymmetric 80 % 0.4 cd/lm 1	5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1 White OSLON Square PC Asymmetric 80 % 0.4 cd/lm 1 White	5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1 White OSLON Square PC Asymmetric 80 % 0.4 cd/lm 1 White	5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹	



OSRAM		
Opto Semiconductors LED	OSLON SSL 150	90* 90*
FWHM / FWTM		130
Efficiency	Asymmetric 92 %	
Peak intensity	92 % 0.9 cd/lm	60* 400 60*
		X
LEDs/each optic Light colour	1 Amber	
Required components:	Ander	45* 300 45*
Required components.		100
		30° 1450 30° 30°
OSRAM Opto Semiconductors		90* 90*
LED	OSLON SSL 150	
FWHM / FWTM	Asymmetric	73° 75°
Efficiency	92 %	
Peak intensity	0.8 cd/lm	1834
LEDs/each optic	1	500
Light colour	White	ar
Required components:		800
		1000
		\times
		1200
		15 ⁵ 0 ⁶ 15 ⁶
PHILIPS		50° 90*
LED	Fortimo FastFlex LED 4x8up PR G5	
FWHM / FWTM	Asymmetric	78
Efficiency	92 %	
Peak intensity	0.7 cd/lm	60* 400 601
LEDs/each optic	1	
Light colour	White	45* 000 45*
Required components:		
		800
		30* 35 ⁵ 0 ⁴ 3 ⁵
0 n n c 0		13. 0. 13.
		IN EFI
SAMSUN		90°
LED	LH351B	90 ⁰
LED FWHM / FWTM	LH351B Asymmetric	94* 94* 73* 100 92*
LED FWHM / FWTM Efficiency	LH351B Asymmetric 75 %	51 ⁴ 601 777
LED FWHM / FWTM Efficiency Peak intensity	LH351B Asymmetric 75 % 0.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B Asymmetric 75 % 0.4 cd/lm 1	8) ⁵
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B Asymmetric 75 % 0.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B Asymmetric 75 % 0.4 cd/lm 1	6) ⁵
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B Asymmetric 75 % 0.4 cd/lm 1 White	6) ⁵
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B Asymmetric 75 % 0.4 cd/lm 1 White	6) ⁴



SAMSU	NG
LED	LH351C
FWHM / FWTM	Asymmetric
Efficiency	72 %
Peak intensity	0.3 cd/lm
LEDs/each optic	1 White
Light colour Required components:	
riequired components.	
Protective plat	te, glass
SAMSUI	NG
LED	LH351C
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
сласши	
SVWSAL	
LED	LM301A
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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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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