

PRODUCT DATASHEET C14502_STRADELLA-T2

STRADELLA-T2

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

SPECIFICATION:

Dimensions Height Fastening ROHS compliant 13.9 x 13.9 mm 5 mm glue, pin yes î



MATERIALS:

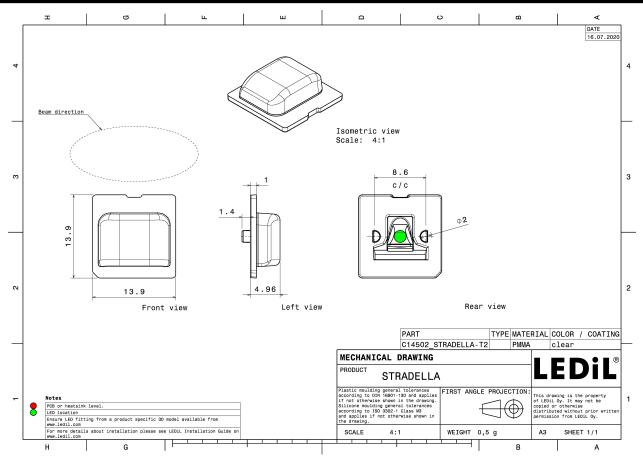
ComponentTypeMaterialColourFinishSTRADELLA-T2Single lensPMMAclear

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C14502_STRADELLA-T2	16000	1000	1000	9.8
» Box size: 480 x 250 x 390 mm				



PRODUCT DATASHEET C14502_STRADELLA-T2



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



OPTICAL RESULTS (MEASURED):

ODEE A		
LED	J Series 3030	*
FWHM / FWTM	Asymmetric	73% 000
Efficiency	97 %	
Peak intensity	0.8 cd/lm	.60°
LEDs/each optic	1 White	$\times \times / \times \times$
Light colour	White	- 65° - 800 - 65°.
Required componer	11S:	
		XIX
		1200
		30° 15° 30°
		50° 50°
LED	XP-G2	
FWHM / FWTM	Asymmetric	73' 200 73'
Efficiency	94 %	
Peak intensity	0.8 cd/lm	80* 400 64*
LEDs/each optic	1	
Light colour	White	5°
Required componer		
Required componer	ю.	
		1000
		1200
		30° 15° 0° 15°
CKEL		
	XP-C3	90* 90*
LED	XP-G3 Asymmetric	23 D0 27.
LED FWHM / FWTM	Asymmetric	9/* 751 200 752
LED FWHM / FWTM Efficiency	Asymmetric 94 %	99.° 75° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 0.8 cd/lm	997 23 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.8 cd/lm 1	997 73 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White	90 ⁵ 10 ¹ 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White	20 20 20 00 00 00 00 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White	50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 94 % 0.8 cd/lm 1 White	50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 94 % 0.8 cd/lm 1 White nts:	50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 94 % 0.8 cd/m 1 White hts:	300
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component CREE LED FWHM / FWTM	Asymmetric 94 % 0.8 cd/m 1 White nts: XT-E Asymmetric	50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component ELED LED FWHM / FWTM Efficiency	Asymmetric 94 % 0.8 cd/lm 1 White hts: XT-E Asymmetric 94 %	50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component ELED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 0.8 cd/m 1 White hts: XT-E Asymmetric 94 % 0.8 cd/m	50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.8 cd/m 1 White hts: XT-E Asymmetric 94 % 0.8 cd/m 1	50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/m 1 White hts: XT-E Asymmetric 94 % 0.8 cd/m 1 White	50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.8 cd/m 1 White hts: XT-E Asymmetric 94 % 0.8 cd/m 1 White	50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/m 1 White hts: XT-E Asymmetric 94 % 0.8 cd/m 1 White	300
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/m 1 White hts: XT-E Asymmetric 94 % 0.8 cd/m 1 White	50



OPTICAL RESULTS (MEASURED):

SAMS	UNG	30° 97
LED	LH181B	
FWHM / FWTM	Asymmetric	70
Efficiency	94 %	
Peak intensity	1 cd/lm	54 ⁶ 00 6 ⁶⁴
LEDs/each optic	1	
Light colour	White	er 500 er
Required compone	ents:	1200
		545
		250
		20° 10 ⁰ 10 ⁰ 20 ⁴



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		art
LED	XP-G2 HE	
FWHM / FWTM	Asymmetric	75°
Efficiency	93 %	200
Peak intensity	0.5 cd/lm	60 ⁴ 60 ⁴
LEDs/each optic	1	400
Light colour	White	
	Wille	-6°*
Required components:		
		800
		30° 15° 0° 15° 30°
		90* 90*
LED	XP-G3	73%
FWHM / FWTM	Asymmetric	
Efficiency	83 %	60* 60*
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 45*
Required components:		
Protective plate		
	, yidəə	200
		30* <u>15</u> ⁵ 0 ⁶ 15 ⁵ 30 ⁵
Ø ΝΙCΗΙΛ		20 ¹ 0 ¹ 2 ² 2 ¹ 2 ²
	NVSxx19B/NVSxx19C	90° 90° 90° 90° 90°
	NVSxx19B/NVSxx19C Asymmetric	20 ¹ <u>55¹ 0 25¹ 30¹</u>
LED		230 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency	Asymmetric	20° 0° 10° 0° 20° 0° 10° 0° 20° 0°
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 %	
LED FWHM / FWTM Efficiency	Asymmetric 94 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.6 cd/lm 1	25 ⁴ 0 ⁴ 13 ⁴ 7 90 ⁴ 90 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1	25 ⁴ 0 ⁴ 13 ⁴ 7 90 ⁴ 90 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1	1 22 ¹ 0 ⁴ 12 ⁴ 7 10 ⁴ 12 ⁴ 12 ⁴ 7 10 ⁴ 12
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.6 cd/lm 1	25 ⁴ 0 ⁴ 13 ⁴ 7 90 ⁴ 90 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.6 cd/lm 1 White Duris S5 (2 chip)	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: COSRAM Opto Semiconductors LED FWHM / FWTM	Asymmetric 94 % 0.6 cd/lm 1 White Duris S5 (2 chip) Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.6 cd/lm 1 White Duris S5 (2 chip) Asymmetric 97 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.6 cd/lm 1 White Duris S5 (2 chip) Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.6 cd/lm 1 White Duris S5 (2 chip) Asymmetric 97 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.6 cd/lm 1 White Duris S5 (2 chip) Asymmetric 97 % 0.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.6 cd/lm 1 White Duris S5 (2 chip) Asymmetric 97 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.6 cd/lm 1 White Duris S5 (2 chip) Asymmetric 97 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.6 cd/lm 1 White Duris S5 (2 chip) Asymmetric 97 % 0.8 cd/lm 1	



OSRAM		THY YEFT
Opto Semiconductors	Duris S5 (Single chip)	90* 90*
FWHM / FWTM	Asymmetric	73° 200 77°.
Efficiency	96 %	40
Peak intensity	0.9 cd/lm	60* 600 60*
LEDs/each optic	1	$X \times / T \times X$
Light colour	White	
Required components:	wille	45* 45*
required components.		1290
		1400
		1000
		30* 15 ⁵ 0 ⁶ 15* 30*
OSRAM Opto Semiconductors		50° 90°
LED	OSCONIQ C 2424	
FWHM / FWTM	Asymmetric	750 200 700
Efficiency	97 %	440
Peak intensity	0.9 cd/lm	60* 60*
LEDs/each optic	1	600
Light colour	White	45" 800 45"
Required components:		
		1200
		1400
		30° 15° 30°
OSRAM Opto Semiconductors		
		90* 90*
	OSCONIQ C 3030	90* 90*
LED	OSCONIQ C 3030 Asymmetric	50* 50* 73* 72*
LED FWHM / FWTM	OSCONIQ C 3030 Asymmetric 86 %	90* 90* 72* 00 72*
LED FWHM / FWTM Efficiency	Asymmetric	92* 92* 12* 200 10* 60*
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 86 %	50° 50° 60° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 86 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 86 % 0.5 cd/lm 1	73° 200 80° 460
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 86 % 0.5 cd/lm 1 White	73° 200 80° 460
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 0.5 cd/lm 1 White	73° 200 80° 460
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 86 % 0.5 cd/lm 1 White	73° 200 80° 460
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 86 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 86 % 0.5 cd/lm 1 White , glass	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 86 % 0.5 cd/lm 1 White , glass OSCONIQ C 3030	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 86 % 0.5 cd/lm 1 White 0.5 cd/lm Conservation of the second se	20- 20- 20- 20- 20- 20- 20- 20-
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 86 % 0.5 cd/lm 1 White e, glass OSCONIQ C 3030 Asymmetric 97 %	20- 20- 20- 20- 20- 20- 20- 20-
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 86 % 0.5 cd/lm 1 White e, glass OSCONIQ C 3030 Asymmetric 97 % 0.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 86 % 0.5 cd/lm 1 White e, glass OSCONIQ C 3030 Asymmetric 97 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 86 % 0.5 cd/lm 1 White e, glass OSCONIQ C 3030 Asymmetric 97 % 0.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate OSRAM Optis Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 86 % 0.5 cd/lm 1 White e, glass OSCONIQ C 3030 Asymmetric 97 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 86 % 0.5 cd/lm 1 White e, glass OSCONIQ C 3030 Asymmetric 97 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 86 % 0.5 cd/lm 1 White e, glass OSCONIQ C 3030 Asymmetric 97 % 0.7 cd/lm 1	



OSRAM		TXY YFI
Opto Semiconductors		90* 90*
LED	OSCONIQ P 3737 (2W version)	
FWHM / FWTM	Asymmetric	75 200 78
Efficiency	94 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	600
Light colour	White	45*
Required components:		20
		\times
		1000
		15 ² 13 ³⁰ 15 ⁴
SAMSUN	IG	90* 90*
LED	LH351B	
FWHM / FWTM	Asymmetric	75%
Efficiency	93 %	
Peak intensity	0.5 cd/lm	60* 60*
LEDs/each optic	1	460
Light colour	White	45*
Required components:		
		\times / \times /
		200
		15 ⁵ 0 ⁶ 15 ⁶
SAMSUN	IG	90* 90*
LED	LM301B	
FWHM / FWTM		
	Asymmetric	75°
Efficiency	Asymmetric 96 %	725 100 775
Efficiency		25 60 60
Efficiency Peak intensity	96 %	
Efficiency Peak intensity LEDs/each optic	96 % 0.7 cd/lm	60 ⁴ 00 60 ⁴
Efficiency Peak intensity	96 % 0.7 cd/lm 1	60 ⁴ 00 60 ⁴
Efficiency Peak intensity LEDs/each optic Light colour	96 % 0.7 cd/lm 1	60 ⁴ 00 60 ⁴
Efficiency Peak intensity LEDs/each optic Light colour	96 % 0.7 cd/lm 1	60 ⁴ 00 60 ⁴
Efficiency Peak intensity LEDs/each optic Light colour	96 % 0.7 cd/lm 1	50 ⁴ 00 (5 ⁴
Efficiency Peak intensity LEDs/each optic Light colour Required components:	96 % 0.7 cd/lm 1	50 ⁴
Efficiency Peak intensity LEDs/each optic Light colour Required components:	96 % 0.7 cd/lm 1	50 ⁴ 00 (5 ⁴
Efficiency Peak intensity LEDs/each optic Light colour Required components:	96 % 0.7 cd/lm 1	50 ⁴ 00 60 50 ⁴ 00 50 ⁴ 00 300 300
Efficiency Peak intensity LEDs/each optic Light colour Required components:	96 % 0.7 cd/m 1 White SEOUL DC 3030	50 ⁴ 00 (5 ⁴
Efficiency Peak intensity LEDs/each optic Light colour Required components: seoul semiconductor LED	96 % 0.7 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required components: stour SEMICONDUCTOR LED FWHM / FWTM Efficiency	96 % 0.7 cd/m 1 White SEOUL DC 3030 Asymmetric	
Efficiency Peak intensity LEDs/each optic Light colour Required components: seour semiconductor LED FWHM / FWTM Efficiency Peak intensity	96 % 0.7 cd/m 1 White SEOUL DC 3030 Asymmetric 96 %	
Efficiency Peak intensity LEDs/each optic Light colour Required components: stout stanconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	96 % 0.7 cd/m 1 White SEOUL DC 3030 Asymmetric 96 % 0.7 cd/m	
Efficiency Peak intensity LEDs/each optic Light colour Required components: storus semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	96 % 0.7 cd/m 1 White SEOUL DC 3030 Asymmetric 96 % 0.7 cd/m 1	
Efficiency Peak intensity LEDs/each optic Light colour Required components: seous semiconporters LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	96 % 0.7 cd/m 1 White SEOUL DC 3030 Asymmetric 96 % 0.7 cd/m 1	
Efficiency Peak intensity LEDs/each optic Light colour Required components: scourses scourses Exercises FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	96 % 0.7 cd/m 1 White SEOUL DC 3030 Asymmetric 96 % 0.7 cd/m 1	
Efficiency Peak intensity LEDs/each optic Light colour Required components: seous semiconoucror LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	96 % 0.7 cd/m 1 White SEOUL DC 3030 Asymmetric 96 % 0.7 cd/m 1	



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SEOUL SEMICONDUCTOR		90* 90*
LED	Z5M1/Z5M2	
FWHM / FWTM	Asymmetric	73° 000 73°
Efficiency	94 %	
Peak intensity	0.7 cd/lm	100°
LEDs/each optic	1	600
Light colour	White	40°
Required components:		200
		1000
		\times
		30* 1230 30*
1		
		152 00 150
SEQUE		90° 97
SEOUL SEMICONDUCTOR	Z5M4	
SEOUL SEMICONDUCTOR		20 20 20 20 20 20 20 20 20 20 20 20 20 2
seoul semiconductor LED	Z5M4 Asymmetric 96 %	
seoul semiconductor LED FWHM / FWTM	Asymmetric	P:
seoul semiconductor LED FWHM / FWTM Efficiency	Asymmetric 96 %	
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 96 % 0.6 cd/lm	
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 96 % 0.6 cd/lm 1	
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 96 % 0.6 cd/lm 1	
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 96 % 0.6 cd/lm 1	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 96 % 0.6 cd/lm 1	



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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