

PRODUCT DATASHEET C14501_STRADELLA-T3

STRADELLA-T3

IESNA Type III (medium) beam for roads that are equal to or wider than mounting height

SPECIFICATION:

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



MATERIALS:

Component Туре Material Colour Finish STRADELLA-T3 Single lens **PMMA** clear

ORDERING INFORMATION:

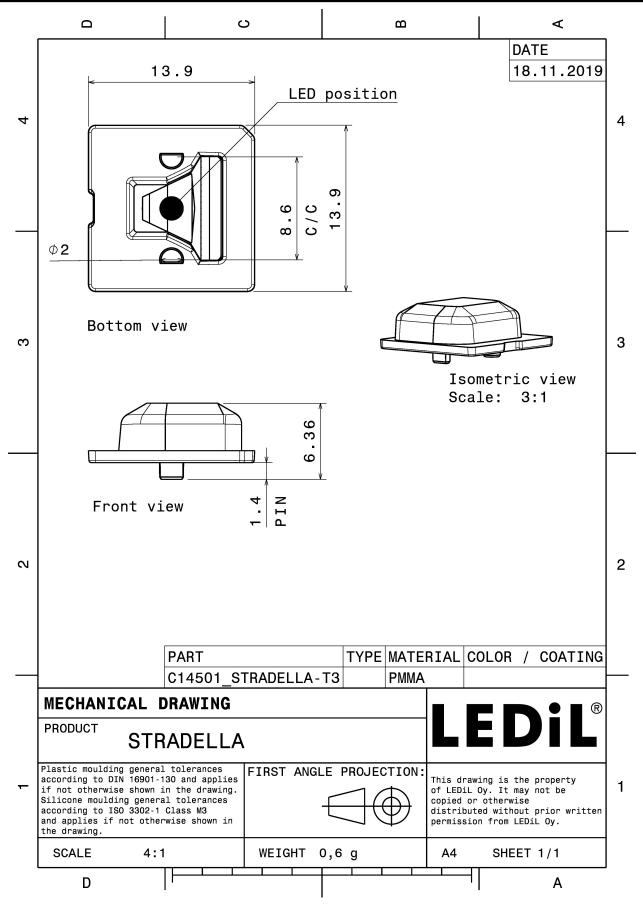
Component

C14501_STRADELLA-T3 » Box size: 480 x 250 x 390 mm

Qty in box	MOQ	MPQ	Box weight (kg)
16000	1000	1000	9.8



PRODUCT DATASHEET C14501_STRADELLA-T3



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



OPTICAL RESULTS (MEASURED):

UILL V.		
LED	J Series 3030	
FWHM / FWTM	Asymmetric	7%°
Efficiency	96 %	
Peak intensity	0.7 cd/lm	60*
LEDs/each optic	1	400
Light colour	White	6° 6°
Required compone	IS:	
		600
		70
		30° 15° 800 15° 30°
	1	
		90° 90°
LED	XP-G2	750
FWHM / FWTM	Asymmetric	
Efficiency	94 %	65* 66*
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	30
Light colour	White	400 43*
Required compone	its:	X / T / X
		500
		30° 500
		90* 90*
LED	XP-G3	70
FWHM / FWTM	Asymmetric	
Efficiency		
	94 %	60°
Peak intensity	0.6 cd/lm	60°
Peak intensity LEDs/each optic	0.6 cd/lm 1	61 ⁴ 60 ⁴
Peak intensity LEDs/each optic Light colour	0.6 cd/lm 1 White	6°
Peak intensity LEDs/each optic	0.6 cd/lm 1 White	61 ⁴ 61 ⁴ 61 ⁴
Peak intensity LEDs/each optic Light colour	0.6 cd/lm 1 White	61 ⁴ 62 ⁴
Peak intensity LEDs/each optic Light colour	0.6 cd/lm 1 White	65 60 65 60 65
Peak intensity LEDs/each optic Light colour	0.6 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required component	0.6 cd/lm 1 White its:	
Peak intensity LEDs/each optic Light colour Required component	0.6 cd/lm 1 White its:	Bar
Peak intensity LEDs/each optic Light colour Required component CREE LED	0.6 cd/lm 1 White its: XT-E	
Peak intensity LEDs/each optic Light colour Required component CREE LED ED FWHM / FWTM	0.6 cd/lm 1 White its: XT-E Asymmetric	
Peak intensity LEDs/each optic Light colour Required component CREE (LED EVHM / FWTM Efficiency	0.6 cd/lm 1 White its: XT-E Asymmetric 94 %	
Peak intensity LEDs/each optic Light colour Required component CREE LED EWHM / FWTM Efficiency Peak intensity	0.6 cd/lm 1 White tts: XT-E Asymmetric 94 % 0.7 cd/lm	
Peak intensity LEDs/each optic Light colour Required component CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	0.6 cd/lm 1 White tts: XT-E Asymmetric 94 % 0.7 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required component CREE COMPONENT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.6 cd/lm 1 White tts: XT-E Asymmetric 94 % 0.7 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required component CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	0.6 cd/lm 1 White tts: XT-E Asymmetric 94 % 0.7 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required component CREE COMPONENT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.6 cd/lm 1 White tts: XT-E Asymmetric 94 % 0.7 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required component CREE COMPONENT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.6 cd/lm 1 White tts: XT-E Asymmetric 94 % 0.7 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required component CREE COMPONENT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.6 cd/lm 1 White tts: XT-E Asymmetric 94 % 0.7 cd/lm 1 White	



OPTICAL RESULTS (MEASURED):

SAMSI	JNG	90°
LED	LH181B	
FWHM / FWTM	Asymmetric	75'
Efficiency	94 %	
Peak intensity	0.8 cd/lm	50° 60*
LEDs/each optic	1	\times
Light colour	White	47' Ka 47'
Required compone	ents:	
		80
		\times / \times /
		30° 1000 30° 30°



OPTICAL RESULTS (SIMULATED):

	XP-G2 HE	90* 90*
		750 100 750
FWHM / FWTM	Asymmetric	
Efficiency	93 %	604
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 440 45*
Required components:		
		30* 30* 30* 30*
Μ ΝΙCΗΙΛ		TAYYAH
LED	NVSxx19B/NVSxx19C	90* 90*
EED FWHM / FWTM		75° 200 75°
Efficiency	Asymmetric 91 %	XXX
Peak intensity	0.6 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	' White	
Required components:	Wille	
Required components.		640
		700
		X mo
		30* 11* 30*
OSRAM		
OSRAM Opto Semiconductors		
LED	Duris S5 (2 chip)	100 100 100 100 100 100 100 100 100 100
LED FWHM / FWTM	Asymmetric	20 20 20 20 20 20 20 20 20 20 20 20 20 2
LED FWHM / FWTM Efficiency	Asymmetric 96 %	
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 96 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 96 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 96 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 96 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 96 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 96 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 96 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 96 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 96 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 96 % 0.6 cd/lm 1 White Duris S5 (Single chip)	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 96 % 0.6 cd/lm 1 White Duris S5 (Single chip) Asymmetric	222
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 96 % 0.6 cd/lm 1 White Duris S5 (Single chip) Asymmetric 96 %	222
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: COSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 96 % 0.6 cd/lm 1 White Duris S5 (Single chip) Asymmetric 96 % 0.6 cd/lm	122
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: COSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 96 % 0.6 cd/lm 1 White Duris S5 (Single chip) Asymmetric 96 % 0.6 cd/lm 1	22
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 96 % 0.6 cd/lm 1 White Duris S5 (Single chip) Asymmetric 96 % 0.6 cd/lm	222
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 96 % 0.6 cd/lm 1 White Duris S5 (Single chip) Asymmetric 96 % 0.6 cd/lm 1	123 <u>14</u> 13 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 96 % 0.6 cd/lm 1 White Duris S5 (Single chip) Asymmetric 96 % 0.6 cd/lm 1	123 <u>14</u> 13 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 96 % 0.6 cd/lm 1 White Duris S5 (Single chip) Asymmetric 96 % 0.6 cd/lm 1	123 <u>14</u> 13 ⁴



OPTICAL RESULTS (SIMULATED):

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OSRAM		
Opto Semiconductors	OSCONIQ C 2424	90* 90*
FWHM / FWTM		730 770
	Asymmetric 96 %	
Efficiency		50° 50°
Peak intensity	0.7 cd/lm	400
LEDs/each optic	1	\times / \top \land \times
Light colour	White	45* 65*
Required components:		610
		X X
		840
		30* 153 0* 15* 30*
OSRAM		
Opto Semiconductors		90* 90*
LED	OSCONIQ P 3737 (2W version)	710 710
FWHM / FWTM	Asymmetric	~ ~ / ~ / ~
Efficiency	94 %	. 50°
Peak intensity	0.6 cd/lm	$X \rightarrow X / X /$
LEDs/each optic	1	
Light colour	White	65°
Required components:		500
		600
		30* 33*
OSRAM		MA VHI
OSRAM Opto Semiconductors		99°
OSRAM Opto Semiconductors LED	OSCONIQ P 3737 (3W version)	90°
Opto Semiconductors	Asymmetric	90°
Opto Semiconductors		
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric	92° 73° 65° 70° 70° 70° 70° 67°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.5 cd/lm 1	90° 90° 70° 70° 70° 60° 60°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm	92 70 64 67 60 67
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.5 cd/lm 1	300
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1	300
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1	300
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1	30 40° 900 000 000 000 000 000 000 000 000 0
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.5 cd/lm 1	30 40° 900 000 000 000 000 000 000 000 000 0
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDS/each optic Light colour Required components:	Asymmetric 94 % 0.5 cd/lm 1 White	30 40° 900 000 000 000 000 000 000 000 000 0
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED	Asymmetric 94 % 0.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM	Asymmetric 94 % 0.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric	90°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 94 % 0.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 94 %	
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 94 % 0.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 94 % 0.6 cd/lm	30 40 50 50 50 60 60 60 60 50 50 50 50 50 50 50 50 50 5
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	Asymmetric 94 % 0.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 94 % 0.6 cd/lm 1	30 40 50 50 50 60 60 60 60 50 50 50 50 50 50 50 50 50 5
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 94 % 0.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 94 % 0.6 cd/lm	30 40 50 50 50 60 60 60 60 50 50 50 50 50 50 50 50 50 5
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	Asymmetric 94 % 0.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 94 % 0.6 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 94 % 0.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 94 % 0.6 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 94 % 0.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 94 % 0.6 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 94 % 0.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 Asymmetric 94 % 0.6 cd/lm 1	



OPTICAL RESULTS (SIMULATED):

SAMSUI	VG	203
LED	LH351B	4
FWHM / FWTM	Asymmetric	750 100 750
Efficiency	91 %	
Peak intensity	0.5 cd/lm	50* 50*
LEDs/each optic	1	
Light colour	White	45*
Required components:		
		30° 15° 80 15°
SAMSUI	NG	
LED	LH351D	90* 90*
FWHM / FWTM	Asymmetric	750 500 750
Efficiency	93 %	
Peak intensity	0.4 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	30 65'
Required components:		
rtequireu componenta.		400
		200
		\times / T / \times
		30* <u>15</u> ⁵ 660 15* 30*
SEOUL		
SEOUL SEMICONDUCTOR	7514 (751)0	90° 90°
LED FWHM / FWTM	Z5M1/Z5M2	750 100 750
	Asymmetric	2 million
Efficiency	94 %	50* 300 50*
Peak intensity	0.6 cd/lm	
LEDs/each optic Light colour	1 White	400
		61 500 67
Required components:		500
		210
		30* 35 ⁵ 0 ⁶ 35 ⁶ 30



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.

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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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