

## STRADELLA-8-T3

IESNA Type III (medium) beam for typical road lighting setups

### **TECHNICAL SPECIFICATIONS:**

Dimensions

Height

5 mm

Fastening pin,

ROHS compliant

pin, screw

49.5 mm

### MATERIAL SPECIFICATIONS:

Component STRADELLA-8-T3 **Type** Multi-lens



C15035\_STRADELLA-8-T3

PRODUCT DATASHEET

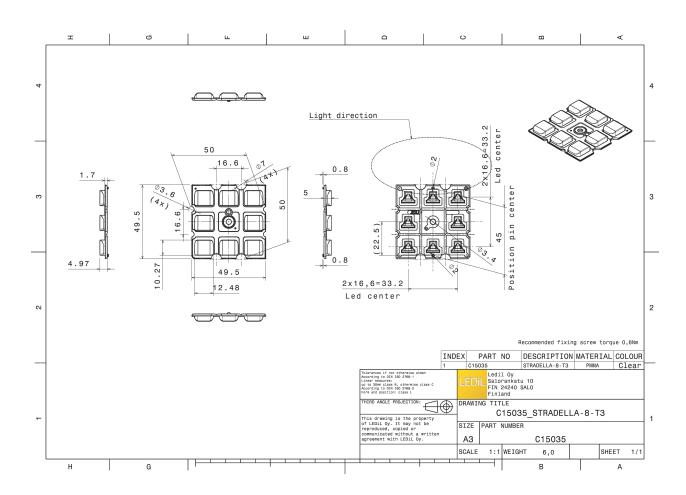
Mate	rial	Colour	Finish
PMM	A	clear	

### **ORDERING INFORMATION:**

### Component

C15035\_STRADELLA-8-T3 » Box size: 476 x 273 x 292 mm

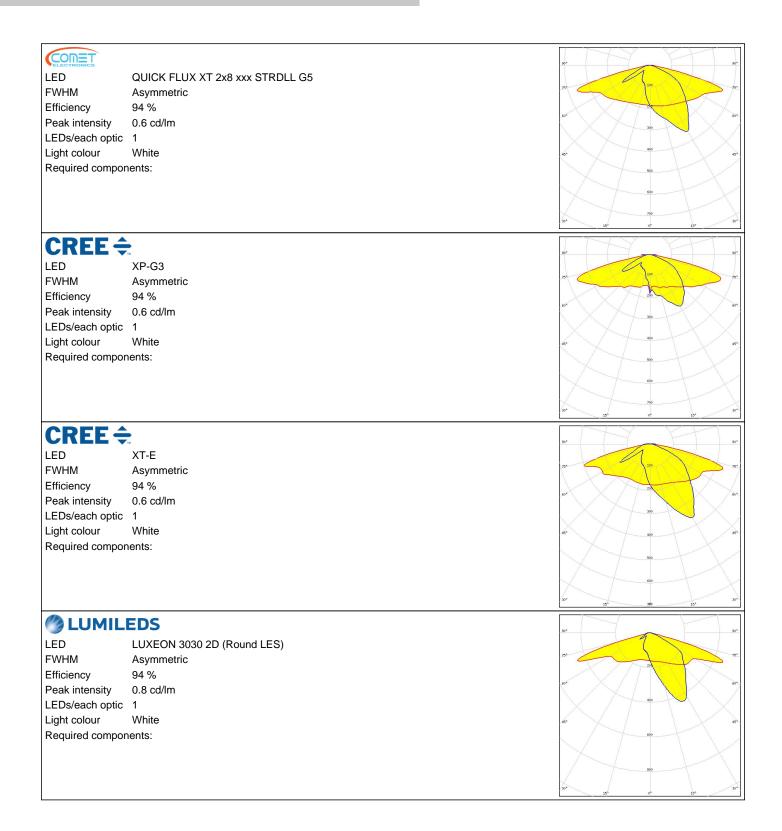
Qty in box	MOQ	MPQ	Box weight (kg)
800	160	160	5.7



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### **PHOTOMETRIC DATA (MEASURED):**





### PHOTOMETRIC DATA (MEASURED):

Image: Construction of the system of the	90* 75° 60*
LED LUXEON TX FWHM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White	90" 78" 60*
FWHM Asymmetric   Efficiency 94 %   Peak intensity 0.7 cd/lm   LEDs/each optic 1   Light colour White	- 75° 60*.
Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White	508 508
Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White	604
LEDs/each optic 1 Light colour White	
Light colour White	
	45.4
	/ 1
30° 900 32° 0° 13°	30*
OSRAM	
Opto Semiconductors	90*
LED OSLON Square CSSRM2/CSSRM3	
FWHM Asymmetric	
Efficiency 94 %	1
Peak intensity 0.7 cd/lm	< /
LEDs/each optic 1	
Light colour White	45*
Required components:	
20	
760	
24	30*
SEOUL SEMICONDUCTOR	90*
LED Z8Y19	
LED Z8Y19 FWHM Asymmetric	78
FWHM Asymmetric	78'
FWHM Asymmetric   Efficiency 94 %	
FWHM Asymmetric   Efficiency 94 %   Peak intensity 0.8 cd/lm	604
FWHM Asymmetric   Efficiency 94 %   Peak intensity 0.8 cd/lm   LEDs/each optic 1	60*
FWHM Asymmetric   Efficiency 94 %   Peak intensity 0.8 cd/lm   LEDs/each optic 1   Light colour White	60*
FWHM Asymmetric   Efficiency 94 %   Peak intensity 0.8 cd/lm   LEDs/each optic 1	60*
FWHM Asymmetric   Efficiency 94 %   Peak intensity 0.8 cd/lm   LEDs/each optic 1   Light colour White	57 67
FWHM   Asymmetric     Efficiency   94 %     Peak intensity   0.8 cd/lm     LEDs/each optic   1     Light colour   White     Required components:   ***	
FWHM   Asymmetric     Efficiency   94 %     Peak intensity   0.8 cd/lm     LEDs/each optic   1     Light colour   White     Required components:   40	92 67* 97*
FWHM   Asymmetric     Efficiency   94 %     Peak intensity   0.8 cd/lm     LEDs/each optic   1     Light colour   White     Required components:   ***	702 604 675
FWHM   Asymmetric     Efficiency   94 %     Peak intensity   0.8 cd/lm     LEDs/each optic   1     Light colour   White     Required components:   ************************************	
FWHM   Asymmetric     Efficiency   94 %     Peak intensity   0.8 cd/lm     LEDs/each optic   1     Light colour   White     Required components:   40     SEOUL SEMICONDUCTOR   40	
FWHM   Asymmetric     Efficiency   94 %     Peak intensity   0.8 cd/lm     LEDs/each optic   1     Light colour   White     Required components:	
FWHM   Asymmetric     Efficiency   94 %     Peak intensity   0.8 cd/lm     LEDs/each optic   1     Light colour   White     Required components:	
FWHM   Asymmetric     Efficiency   94 %     Peak intensity   0.8 cd/lm     LEDs/each optic   1     Light colour   White     Required components:   Image: Component state sta	
FWHM   Asymmetric     Efficiency   94 %     Peak intensity   0.8 cd/m     LEDs/each optic   1     Light colour   White     Required components:	
FWHM   Asymmetric     Efficiency   94 %     Peak intensity   0.8 cd/lm     LEDs/each optic   1     Light colour   White     Required components:       stous semiconnectors       LED   Z8Y22     FWHM   Asymmetric     Efficiency   94 %     LEDs/each optic   1     Light colour   White	
FWHM   Asymmetric     Efficiency   94 %     Peak intensity   0.8 cd/m     LEDs/each optic   1     Light colour   White     Required components:	
FWHM   Asymmetric     Efficiency   94 %     Peak intensity   0.8 cd/Im     LEDs/each optic   1     Light colour   White     Required components:	
FWHM   Asymmetric     Efficiency   94 %     Peak intensity   0.8 cd/lm     LEDs/each optic   1     Light colour   White     Required components:	100 100 100 100 100 100 100 100 100 100

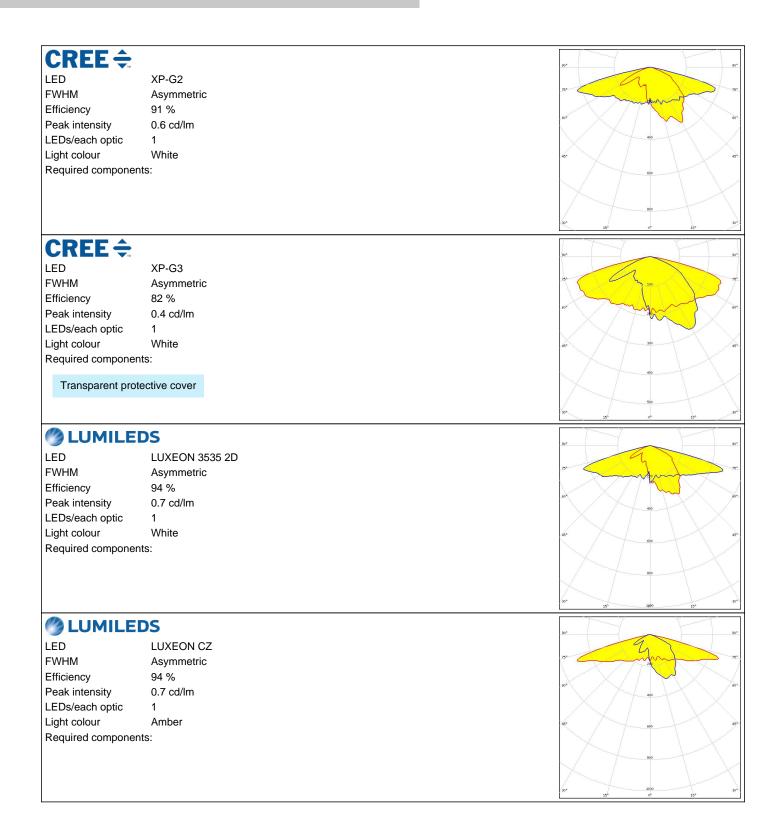


### PHOTOMETRIC DATA (MEASURED):

LEDs/each optic	White	
		50° 700 30° 13° 25° 30°



### PHOTOMETRIC DATA (SIMULATED):





### PHOTOMETRIC DATA (SIMULATED):

LUMILE		
	DS	90*
LED	LUXEON Z	
FWHM	Asymmetric	73°
Efficiency	93 %	
Peak intensity	0.6 cd/lm	60 <sup>6</sup> 300 60*
LEDs/each optic	1	
Light colour	Amber	
Required component		45° 500 45°
	lo.	
		770
		300
		30* 15 <sup>5</sup> 960 15 <sup>+</sup> 30*
<b>Μ</b> ΝΙCΗΙΛ		
LED	NCSxE17A	
FWHM	Asymmetric	750 750
Efficiency	93 %	
Peak intensity	0.9 cd/lm	60 <sup>4</sup> 400 60 <sup>1</sup> .
LEDs/each optic	1	
Light colour	White	5° 600
Required component		800
		X/T/X
		1000
		30* 1200 30* 30*
<b>Ø</b> NICHIΛ		90° 90°
LED	NF2x757D	9
		4
FWHM		754 77
FWHM	Asymmetric 94 %	71
FWHM Efficiency	Asymmetric	200
FWHM Efficiency Peak intensity	Asymmetric 94 %	23°
FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.8 cd/lm	
FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White	72 40 60 60 67 80 80 80 80 80 80 80 80 80 80 80 80 80
FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.8 cd/lm 1 White	
FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White	
FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White	
FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White	23° 40° 40° 40° 40° 40° 40° 40° 40
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 94 % 0.8 cd/lm 1 White	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 94 % 0.8 cd/lm 1 White Is:	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 94 % 0.8 cd/lm 1 White Is: NF2x757G	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component MICHIA LED FWHM	Asymmetric 94 % 0.8 cd/lm 1 White is: NF2x757G Asymmetric	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component	Asymmetric 94 % 0.8 cd/lm 1 White ts: NF2x757G Asymmetric 94 %	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component <b>WICHIA</b> LED FWHM Efficiency Peak intensity	Asymmetric 94 % 0.8 cd/lm 1 White ts: NF2x757G Asymmetric 94 % 0.7 cd/lm	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Equired component NICHIA LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.8 cd/lm 1 White ts: NF2x757G Asymmetric 94 % 0.7 cd/lm 1	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Equired component NICHIA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White ts: NF2x757G Asymmetric 94 % 0.7 cd/lm 1 White	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Equired component NICHIA LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.8 cd/lm 1 White ts: NF2x757G Asymmetric 94 % 0.7 cd/lm 1 White	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Equired component NICHIA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White ts: NF2x757G Asymmetric 94 % 0.7 cd/lm 1 White	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Equired component NICHIA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White ts: NF2x757G Asymmetric 94 % 0.7 cd/lm 1 White	



### PHOTOMETRIC DATA (SIMULATED):

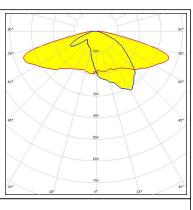
<b>ΜΝΙCΗΙΛ</b>		
		THAT HI
LED	NVSxE21A	90* 90*
FWHM	Asymmetric	730 700 700
Efficiency	94 %	
		60* 400 60
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	600
Light colour	White	6. G
Required component	S.	00
		1000
		$\times$
		30* 1230 30* 30*
<b>Μ</b> ΝΙCΗΙΛ		THY YHT
LED	NVSxx19B/NVSxx19C	50.4 90.4
FWHM	Asymmetric	75%
Efficiency	94 %	
Peak intensity	0.6 cd/lm	50% 300 60%
LEDs/each optic	1	
Light colour	White	
Required component		40°
rtequirea componen		600
		700
		30* 15 <sup>5</sup> 0 <sup>6</sup> 15 <sup>5</sup> 30*
OSRAM Opto Semiconductors		
LED	Duris S5 (2 chip)	· · · · · · · · · · · · · · · · · · ·
FWHM	Asymmetric	250 July 200
Efficiency	94 %	
Peak intensity		60 <sup>4</sup> X 60 <sup>4</sup>
	0.7 cd/lm 1	400
LEDs/each optic	1	
LEDs/each optic Light colour	1 White	
LEDs/each optic	1 White	-07 -07 -00 -07
LEDs/each optic Light colour	1 White	
LEDs/each optic Light colour	1 White	
LEDs/each optic Light colour Required componen	1 White	20- 10- 10- 10- 10- 10- 20- 10- 20- 10- 20- 10- 20- 20- 20- 20- 20- 20- 20- 2
LEDs/each optic Light colour Required component	1 White	
LEDs/each optic Light colour Required component	1 White is:	
LEDs/each optic Light colour Required component Opto Semiconductors LED	1 White is: OSCONIQ P 3737 (2W version)	
LEDs/each optic Light colour Required component Opto Semiconductors LED FWHM	1 White is: OSCONIQ P 3737 (2W version) Asymmetric	
LEDs/each optic Light colour Required component Opto Semiconductors LED FWHM Efficiency	1 White is: OSCONIQ P 3737 (2W version) Asymmetric 94 %	
LEDs/each optic Light colour Required component Opto Semiconductors LED FWHM Efficiency Peak intensity	1 White is: OSCONIQ P 3737 (2W version) Asymmetric 94 % 0.6 cd/lm	
LEDs/each optic Light colour Required component OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic	1 White is: OSCONIQ P 3737 (2W version) Asymmetric 94 % 0.6 cd/lm 1	
LEDs/each optic Light colour Required component Optic Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	1 White is: OSCONIQ P 3737 (2W version) Asymmetric 94 % 0.6 cd/lm 1 White	
LEDs/each optic Light colour Required component OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic	1 White is: OSCONIQ P 3737 (2W version) Asymmetric 94 % 0.6 cd/lm 1 White	
LEDs/each optic Light colour Required component Optic Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	1 White is: OSCONIQ P 3737 (2W version) Asymmetric 94 % 0.6 cd/lm 1 White	
LEDs/each optic Light colour Required component Optic Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	1 White is: OSCONIQ P 3737 (2W version) Asymmetric 94 % 0.6 cd/lm 1 White	



### PHOTOMETRIC DATA (SIMULATED):

#### OSRAM

LED	OSCONIQ P 3737 (3W version)
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components	5:



#### OSRAM

LED	OSCONIQ P 3737 (3W version)
FWHM	Asymmetric
Efficiency	87 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components	:

Transparent protective cover

#### OSRAM Opto Semiconductors LED **OSLON Square EC** FWHM Asymmetric Efficiency 93 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components: OSRAM Opto Semiconductors LED **OSLON Square PC** FWHM Asymmetric Efficiency 85 % Peak intensity 0.4 cd/lm LEDs/each optic 1 White Light colour Required components: Transparent protective cover



# PHOTOMETRIC DATA (SIMULATED):

SAMSU	NG	84	F
LED	LH351C		
FWHM	Asymmetric	20	$\sim$
Efficiency	93 %	and the second se	
Peak intensity	0.5 cd/lm	50*	>
LEDs/each optic	1	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
Light colour	White	6* 40	
Required componer	nts:		
		30* 12 <sup>5</sup> 0°	
SEOUL			K
SEOUL SEMICONDUCTOR			
LED	Z5M1/Z5M2	24	$ \ge $
FWHM	Asymmetric		
Efficiency	85 % 0.4 cd/lm		~~~
Peak intensity LEDs/each optic	0.4 cu/im 1		$\searrow$
Light colour	White		
Required componer		40	
. legalles componer			
Transparent prot	tective cover		
		600	
		30* 22' 0*	

PRODUCT DATASHEET

C15035\_STRADELLA-8-T3



### **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**

Joensuunkatu 13 FI-24240 SALO Finland

#### LEDiL Inc.

228 West Page Street Suite D Sycamore IL 60178 USA

### Local sales and technical support www.ledil.com/ where\_to\_buy

Shipping locations Salo, Finland Hong Kong, China

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