

# STRADELLA-IP-28-T2-PC

IESNA Type II (medium) beam, applicable for European P-class standard pedestrian lighting and M-class roads. Variant made from PC.

### **TECHNICAL SPECIFICATIONS:**

Dimensions100.0 mmHeight9.2 mmFasteningscrewROHS compliantyes <sup>(1)</sup>

## MATERIAL SPECIFICATIONS:

**Component** STRADELLA-IP-28-T2-PC STRADELLA-28-SEAL

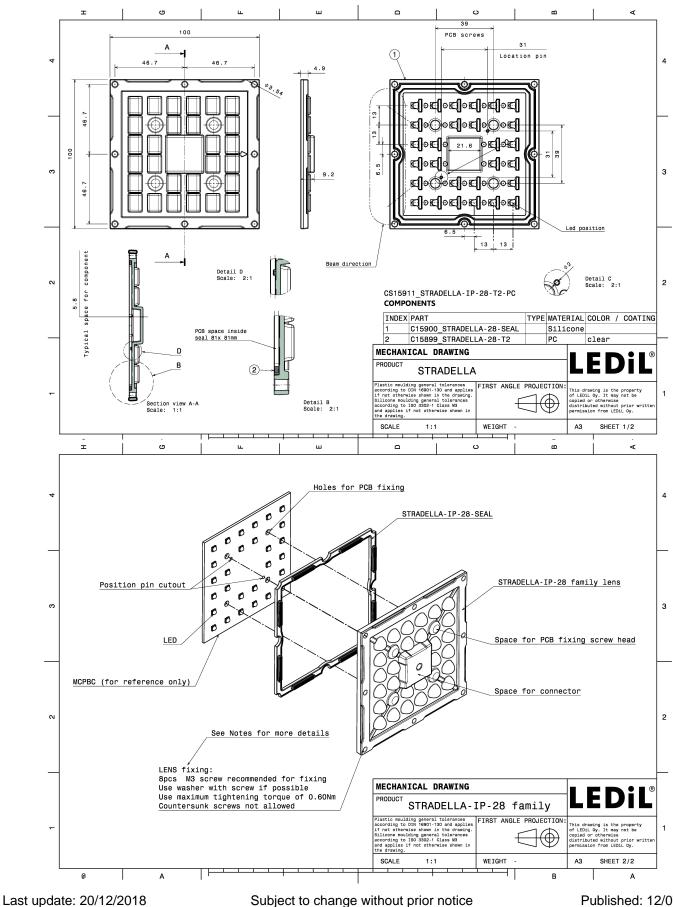


	Туре	Material	Colour	Finish
8-T2-PC	Multi-lens	PC	clear	
SEAL	Seal	Silicone	white	

### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS15911_STRADELLA-IP-28-T2-PC	Multi-lens	156	78	78	6.1
» Box size: 476 x 273 x 247 mm					

R PRODUCT DATASHE 15911\_STRADELLA-IP-28-T2-PC



LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

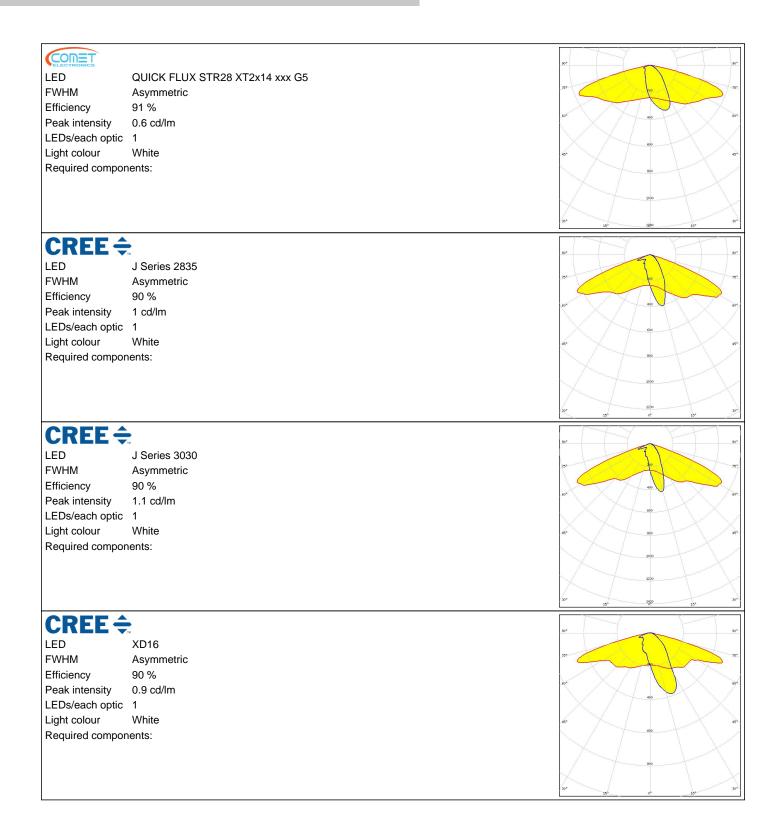
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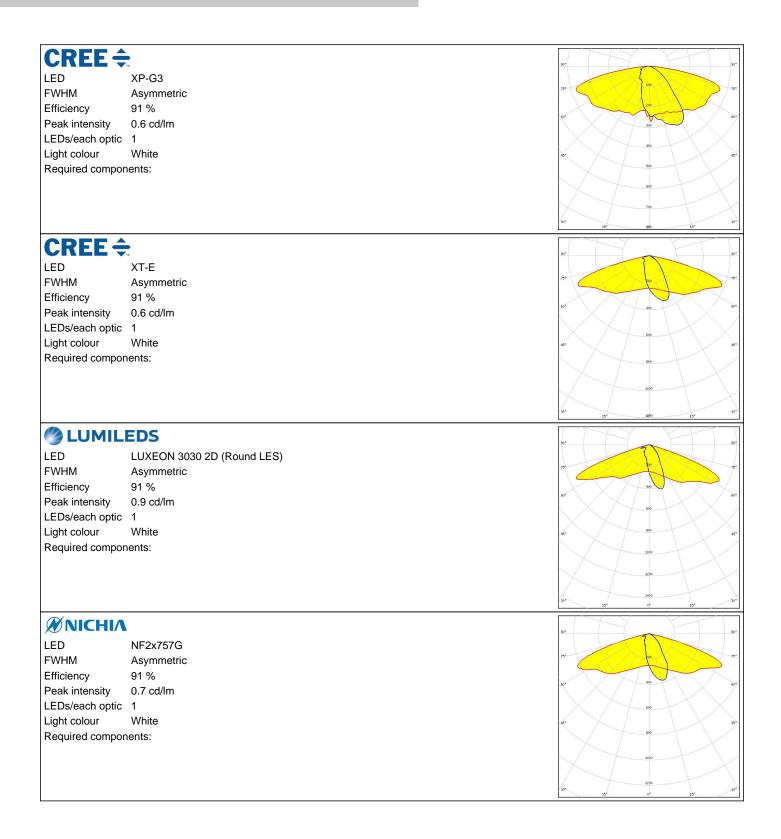


LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	White	2° 100 00 00 00 00 00 00 00 00 00
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	White	
		900 1000 20* 10* 20* 30*









Last update: 20/12/2018Subject to change without prior noticePublished: 12/07/2019LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.5/11



OSRAM		M	KHT.
Opto Semiconductors		90*	90*
LED	Duris S5 (2 chip)	750 200	785
FWHM	Asymmetric		
Efficiency	92 %	604 400	- BUT
Peak intensity	0.8 cd/lm	X X 600	$\mathcal{Y} \mathcal{X}$
LEDs/each optic		$\vee$ $\vee$ $/$ $\top$	
Light colour	White	45* 800	
Required compon	ients:		JA /
		1200	-t
		30°	30*
OSRAM		1400	
Opto Semiconductors		90*	90*
LED	OSCONIQ S 3030		
FWHM	Asymmetric	750	770
Efficiency	92 %	400	
Peak intensity	0.7 cd/lm		
LEDs/each optic			$+ \wedge$
Light colour	White	45* 800	5°
Required compon	ents:	$\times$	X
		1000	$- \top \vee$
		30*	30*
		15' 0'	15*
000444			
OSRAM Opto Semiconductors		90*	90*
Opto Semiconductors	OSLON Square CSSRM2/CSSRM3	90*	90*
Opto Semiconductors	OSLON Square CSSRM2/CSSRM3 Asymmetric	90 <sup>1</sup>	90°
Opto Semiconductors LED FWHM	Asymmetric	30 <sup>2</sup>	50°
Deto Semiconductors LED FWHM Efficiency		90 73 60 60	90°
opto Semiconductors LED FWHM Efficiency Peak intensity	Asymmetric 92 % 0.8 cd/lm	90° 7° 60°	50°
opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 92 % 0.8 cd/lm	90° 75° 60° 60°	5°
opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.8 cd/lm 1 White	90° 70° 60° 60° 60° 60°	97* 95* 95*
opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 92 % 0.8 cd/lm 1 White	90° 10° 60° 60° 60° 60° 60° 60°	5°
opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.8 cd/lm 1 White	9° 7° 6° 6° 6° 60 60 500	92 72 694
opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.8 cd/lm 1 White	200 200 200 200 200 200 200 200	97 97 64 67
opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 92 % 0.8 cd/lm 1 White ents:	1000	27° 28°
opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 92 % 0.8 cd/lm 1 White ents:	1000	13° 20°
opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 92 % 0.8 cd/lm 1 White lents:	1000	57- 57- 57- 57- 57- 57- 57- 57- 57- 57-
opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 92 % 0.8 cd/lm 1 White ents: ING HiLOM SC28 (LH181B)	1000	57 57 57 57 57
opto semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 92 % 0.8 cd/lm 1 White ents: NG HiLOM SC28 (LH181B) Asymmetric	1000	97 97 97 97 97
opto semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 92 % 0.8 cd/lm 1 White ents: NG HiLOM SC28 (LH181B) Asymmetric 89 %	1000	5° 5° 5° 5° 5°
opto semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon SAMSU LED FWHM Efficiency Peak intensity	Asymmetric 92 % 0.8 cd/lm 1 White ents:	1000	
opto semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon <b>SAMSU</b> LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 92 % 0.8 cd/lm 1 White tents:	1000	97 69 <sup>4</sup> 69 <sup>4</sup> 69 <sup>4</sup> 69 <sup>4</sup> 69 <sup>4</sup>
opto semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon <b>SAMSU</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.8 cd/lm 1 White vents:	1000	97 97 97 97 97 97 97 97 97 97 97 97 97
opto semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon <b>SAMSU</b> LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 92 % 0.8 cd/lm 1 White vents:	1000	97 64 67 67 67 67 67 67 67 67 67
opto semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon <b>SAMSU</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.8 cd/lm 1 White vents:	1000	92 92 92 92 92 92 92 92 92 92 92 92 92 9
opto semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon <b>SAMSU</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.8 cd/lm 1 White vents:	1000	92 92 92 92 92 92 92 92 92 92 92 92 92 9



# SAMSUNG

 LED
 HiLOM SM28 (LM301B)

 FWHM
 Asymmetric

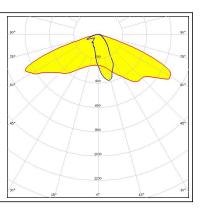
 Efficiency
 90 %

 Peak intensity
 0.9 cd/lm

 LEDs/each optic
 1

 Light colour
 White

 Required components:
 White





## PHOTOMETRIC DATA (SIMULATED):

<b>Μ</b> ΝΙCΗΙΛ		ant
LED	NF2x757G	
FWHM	Asymmetric	732 000 732
Efficiency	91 %	
Peak intensity	0.7 cd/lm	604 604 604
LEDs/each optic	1	
Light colour	White	000
Required componen		
		X   X
		1000
		1200
		30° 12 <sup>5</sup> 0° 15° 30°
<b>Ø</b> NICHIΛ		THAY YEAT
LED	NVSW319B	90* 90*
FWHM		750 750
	Asymmetric 84 %	
Efficiency	0.4 cd/lm	50° 60°.
Peak intensity	0.4 ca/im 1	
LEDs/each optic Light colour	u White	40
Required componen		6° 6°
Required componen	15.	
		60
		700
		30* <u>15</u> * <u>0</u> * <u>15</u> * <u>30</u> *
<b>ΜΝΙCΗΙΛ</b>		TY FT
		50° - 50°
LED	NVSxx19B/NVSxx19C	25
LED FWHM	Asymmetric	92°
LED FWHM Efficiency	Asymmetric 87 %	80° 33° 60°
LED FWHM Efficiency Peak intensity	Asymmetric 87 % 0.5 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 87 % 0.5 cd/lm 1	20 20 60 60
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 87 % 0.5 cd/lm 1 White	5° 00 0°
LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 87 % 0.5 cd/lm 1 White	92 73 64 60 60 67
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 87 % 0.5 cd/lm 1 White	57 00 07 57 00 07 57 00 07
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 87 % 0.5 cd/lm 1 White	92 <sup>-</sup> 53 <sup>-</sup> 54 <sup>-</sup> 55 <sup>-</sup> 60 69 69 69 69 69 69 69
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 87 % 0.5 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 87 % 0.5 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 87 % 0.5 cd/lm 1 White ts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 87 % 0.5 cd/lm 1 White ts: OSCONIQ P 3030	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 87 % 0.5 cd/lm 1 White ts: OSCONIQ P 3030 Asymmetric	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen Opto Semiconductors LED FWHM Efficiency	Asymmetric 87 % 0.5 cd/lm 1 White ts: OSCONIQ P 3030 Asymmetric 94 %	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen Opto Semiconductors LED FWHM Efficiency Peak intensity	Asymmetric 87 % 0.5 cd/lm 1 White ts: OSCONIQ P 3030 Asymmetric 94 % 0.7 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 87 % 0.5 cd/lm 1 White ts: OSCONIQ P 3030 Asymmetric 94 % 0.7 cd/lm 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 87 % 0.5 cd/lm 1 White ts: OSCONIQ P 3030 Asymmetric 94 % 0.7 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 87 % 0.5 cd/lm 1 White ts: OSCONIQ P 3030 Asymmetric 94 % 0.7 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 87 % 0.5 cd/lm 1 White ts: OSCONIQ P 3030 Asymmetric 94 % 0.7 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 87 % 0.5 cd/lm 1 White ts: OSCONIQ P 3030 Asymmetric 94 % 0.7 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 87 % 0.5 cd/lm 1 White ts: OSCONIQ P 3030 Asymmetric 94 % 0.7 cd/lm 1 White	



## PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors		90*
	OSLON Square CSSRM2/CSSRM3	
FWHM	Asymmetric	73%
	93 %	
Efficiency		55
Peak intensity	0.6 cd/lm	400
LEDs/each optic	1	
Light colour	White	65* 640
Required compone	nts:	
		899
		30° 1000 int
SAMSU	NG	
		30*
LED	LH231B	7%
FWHM	Asymmetric	
Efficiency	88 %	600
Peak intensity	0.6 cd/lm	40
LEDs/each optic	1	
Light colour	White	65* 640
Required compone	nts:	
		800
		$\times$ / $\top$ / $\lambda$
		30*
	NO	25 29 20 29
SAMSU	NG	30*
LED	LH351B	
FWHM	Asymmetric	
Efficiency	92 %	
Peak intensity	0.5 cd/lm	50°*
LEDs/each optic	1	40
Light colour	White	151
Required compone	nts:	600
SEQUE		<u>395</u> e <sup>2</sup> 1 <u>3</u> 5*
LED	SEOUL DC 3030	
FWHM	Asymmetric	
Efficiency	90 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	



## PHOTOMETRIC DATA (SIMULATED):

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SEOUL		
SEOUL SEMICONDUCTOR	Z5M1/Z5M2	90"
FWHM		75°
	Asymmetric	
Efficiency	89 %	504 400 504
Peak intensity	0.6 cd/lm	X/TXX
LEDs/each optic	1	000
Light colour	White	45* 45*
Required component	S:	800
		$\times$
		1000
		30* 30*
SEOUL SEOUL SEMICONDUCTOR		90* 90*
LED	Z8Y19	
FWHM	Asymmetric	75°
Efficiency	85 %	
Peak intensity	0.7 cd/lm	.50° 400 60*.
LEDs/each optic	1	
Light colour	White	45* 6/0 27*
Required component		$\times$
	-	800
		1000
		30 <sup>+</sup> 13 <sup>5</sup> 0 <sup>0</sup> 15 <sup>+</sup> 30 <sup>+</sup>
SEOUL		
SEOUL SEMICONDUCTOR		90* 90*
LED	Z8Y22	
FWHM	Asymmetric	
Efficiency	85 %	50* 50*
Peak intensity	0.6 cd/lm	40
LEDs/each optic	1	
Light colour	White	45° 600 45°
Required component	S:	
		30°
		15 <sup>5</sup> 1900 15°



#### **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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