

PRODUCT DATASHEET CA12087\_STRADA-FW

# **STRADA-FW**

Beam with wide light distribution and good illuminance uniformity for residential street lighting and staggered pole setups. Optimized for CREE XP-G and XP-E LEDs. Assembly with installation tape.

#### **SPECIFICATION:**

Dimensions19.6 x 15.5 mmHeight10.8 mmFasteningtape, pin, screwROHS compliantyes 1



### MATERIALS:

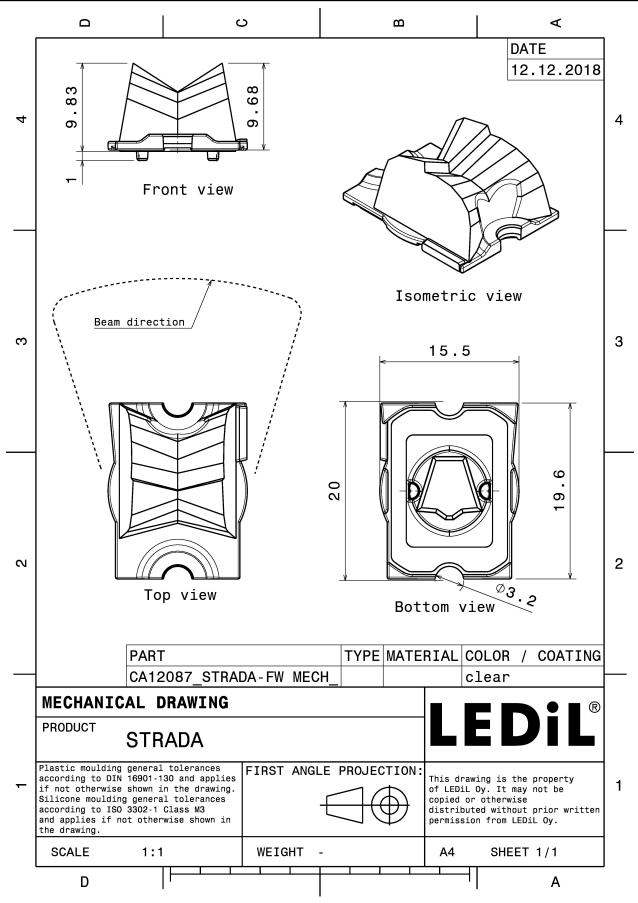
Component	Туре	Material	Colour	Finish
STRADA-FW	Single lens	PMMA	clear	
VOSU-WU-M-365-TAPE	Таре	Acrylic foam		

### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12087_STRADA-FW	Single lens	3120	240	240	4.9
» Box size: 451 x 273 x 197 mm					



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



LED FWHM / FWTM Efficiency LEDs/each optic	XM-L Asymmetric 92 % 1	
Light colour Required compone	White nts:	
LED LEDS	XM-L2	50° 50°
FWHM / FWTM	Asymmetric	754
Efficiency	94 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	20
Light colour	White	47 <u>20</u> 47
Required compone	nts:	
		20
LED	XP-E	
FWHM / FWTM	Asymmetric	
Efficiency	92 %	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	
CREE ÷		
LEDS		
LED	XP-G	
FWHM / FWTM	Asymmetric	
Efficiency	92 %	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	



LED	XP-G2	
FWHM / FWTM	Asymmetric	75%
Efficiency	93 %	
Peak intensity	0.9 cd/lm	768
LEDs/each optic	1 White	
Light colour Required compone		6* 20 6*
Required compone	115.	30
		30
		30° 400 30° 30°
LED LEDS	XP-L HD	90* 90*
		30.
FWHM / FWTM	Asymmetric	
Efficiency	93 %	.00 <sup>4</sup> 150 80 <sup>4</sup>
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	er 20 er
Required compone	nts:	30
		360
		× ***
		30° 33° 66 33° 30°
CREE ÷		
	VD I 0	<u>9</u> ,
LED	XP-L2	50°
LED FWHM / FWTM	Asymmetric	90*
LED FWHM / FWTM Efficiency	Asymmetric 92 %	
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 92 % 0.6 cd/lm	90* 10 10 10 10 10 10 10 10 10 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 92 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 92 % 0.6 cd/lm 1 White	64" 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.6 cd/lm 1 White	64" 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.6 cd/lm 1 White	64" 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 92 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 92 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 92 % 0.6 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 92 % 0.6 cd/lm 1 White nts: XT-E	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 92 % 0.6 cd/lm 1 White nts: XT-E Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 92 % 0.6 cd/lm 1 White nts: XT-E Asymmetric %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 92 % 0.6 cd/lm 1 White nts: XT-E Asymmetric % 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREEES LED FWHM / FWTM Efficiency LEDs/each optic Light colour	Asymmetric 92 % 0.6 cd/lm 1 White nts: XT-E Asymmetric % 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREEES LED FWHM / FWTM Efficiency LEDs/each optic Light colour	Asymmetric 92 % 0.6 cd/lm 1 White nts: XT-E Asymmetric % 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREEES LED FWHM / FWTM Efficiency LEDs/each optic Light colour	Asymmetric 92 % 0.6 cd/lm 1 White nts: XT-E Asymmetric % 1 White	



### LUMILEDS

LED	LUXEON Rebel
FWHM / FWTM	Asymmetric
Efficiency	92 %
LEDs/each optic	1
Light colour	White
Required componen	its:

### LUMILEDS

LED	LUXEON Rebel ES
FWHM / FWTM	Asymmetric
Efficiency	92 %
LEDs/each optic	1
Light colour	White
Required componen	its:

🖉 LUMII	EDS	90*
LED	LUXEON T	
FWHM / FWTM	Asymmetric	77 1
Efficiency	91 %	
Peak intensity	0.8 cd/lm	140 · · · · · · · · · · · · · · · · · · ·
LEDs/each optic	1	
Light colour	White	47° 200 43°
Required compon	ents:	
		30' 20
🥙 LUMII	.EDS	8 <sup>3</sup>
LED	LUXEON TX	
FWHM / FWTM		700
	Asymmetric	
Efficiency	Asymmetric 93 %	
	-	
Efficiency	93 %	
Efficiency Peak intensity	93 % 0.8 cd/lm	
Efficiency Peak intensity LEDs/each optic	93 % 0.8 cd/lm 1 White	a <sup>1</sup>
Efficiency Peak intensity LEDs/each optic Light colour	93 % 0.8 cd/lm 1 White	a <sup>1</sup>
Efficiency Peak intensity LEDs/each optic Light colour	93 % 0.8 cd/lm 1 White	a)*
Efficiency Peak intensity LEDs/each optic Light colour	93 % 0.8 cd/lm 1 White	63" - 50 - 50 - 50



	EDS	80
LED	LUXEON Z ES	
FWHM / FWTM	Asymmetric	75% 21 75%
Efficiency	91 %	
Peak intensity	1 cd/lm	
LEDs/each optic	1	
LEDS/each optic	ı White	200
		43° 250 45°
Required compone	nts:	
		*
		30° 400 30° 30°
ØNICHI/		
LED	NCSxx19A	
EED FWHM / FWTM	Asymmetric	
Efficiency	92 %	
	92 % 1	
LEDs/each optic Light colour	ı White	
Required compone	nts:	
LED	NVSW219D	90° 99°
FWHM / FWTM	Asymmetric	751 0 752
Efficiency	92 %	
Peak intensity	0.8 cd/lm	.6) <sup>4</sup> 100 60*
LEDs/each optic	1	150
Light colour	White	
Required compone		10° 0°
Required compone	113.	
		20
		30
		30° <u>15</u> 0 <sup>4</sup> 15 30°
<b>ØNICHI</b>		
LED	NVSxx19A	
FWHM / FWTM	Asymmetric	
Efficiency	92 %	
LEDs/each optic	1	
Light colour	White	
Required compone		



OSRAM Opto Semiconductors		
LED	OSLON SSL 150	50' 50'
FWHM / FWTM	Asymmetric	70 20 70
Efficiency	92 %	
Peak intensity	1.1 cd/lm	60* 250 60*
LEDs/each optic	1	
Light colour	White	
Required compone		d; 20 d;
		30
		30
		40
		30* 25* 406 25* 30*
OSRAM		
Opto Semiconductors		
LED	OSLON SSL 80	
FWHM / FWTM	Asymmetric	
Efficiency	92 %	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
SAMS LED FWHM / FWTM Efficiency	LH351Z Asymmetric 94 %	97 - 97 78 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1
Peak intensity	1 cd/lm	er er
LEDs/each optic	1	10
Light colour	White	20
Required compone		e, e,
Required compone		20
		*
		20 <sup>0</sup> 15 <sup>0</sup> 4 <sup>0</sup> 15 <sup>0</sup> 20 <sup>1</sup>
SEOUL SEMICONDUCTOR		
	75	
	Z5 Asymmetric	
FWHM / FWTM	Asymmetric	
Efficiency	92 %	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
1		



SEOUL SEOUL SEMICONDUCTOR		90°
LED	Z5M1/Z5M2	
FWHM / FWTM	Asymmetric	72 72
Efficiency	94 %	
Peak intensity	0.9 cd/lm	64 <sup>4</sup>
LEDs/each optic	1	
Light colour	White	67
Required compone	nts:	*
		201 <sup>4</sup> 200 201 <sup>4</sup> 20 <sup>4</sup> 20 <sup>4</sup>



## **OPTICAL RESULTS (SIMULATED):**

		90°
LED	XHP35 HD	
FWHM / FWTM	Asymmetric	750
Efficiency	88 %	140
Peak intensity	0.7 cd/lm	sile 120 504
LEDs/each optic	1	
Light colour	White	5° 20 X
Required components:		30
- 1 1		30
		40
		400
		30* 15 <sup>5</sup> 566 15 <sup>5</sup>
	DS	90* 90*
LED	LUXEON MZ	
FWHM / FWTM	Asymmetric	732
Efficiency	91 %	10
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	XXXX
Light colour	White	45'
Required components:		20
		30
		30
		30. 400 30.
		12 <sup>3</sup> 0 <sup>4</sup> 12 <sup>4</sup>
<b>Μ</b> ΝΙCΗΙΛ		90* 90*
LED	NVSxx19B/NVSxx19C	70
FWHM / FWTM	Asymmetric	
Efficiency	89 %	60 6°
Peak intensity	0.8 cd/lm	150
LEDs/each optic	1	20
Light colour	White	45* 250 45*
Required components:		
		X 1 ** X
		30+ 400 30+ 30+
OSRAM		
Opto Semiconductors	OSCONIO P 3737 (3W) version)	81"
Opto Semiconductors	OSCONIQ P 3737 (3W version)	
opto Semiconductors LED FWHM / FWTM	Asymmetric	Be
opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 91 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 91 % 0.8 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 91 % 0.8 cd/lm 1	50 <sup>1</sup> 10 20
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.8 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 91 % 0.8 cd/lm 1	50° 50°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.8 cd/lm 1	50° 50°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.8 cd/lm 1	50° 50°



#### **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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