

# PRODUCT DATASHEET C12726\_STRADA-SQ-T-DWC

# STRADA-SQ-T-DWC

Universal road lighting beam with excellent mixed illuminance and luminance uniformity. Typically IESNA Type III (medium). Version with location pins.

### **TECHNICAL SPECIFICATIONS:**

Dimensions Height Fastening ROHS compliant 25.0 x 25.0 mm 8 mm glue, pin, screw yes 1



### **MATERIAL SPECIFICATIONS:**

Component STRADA-SQ-T-DWC

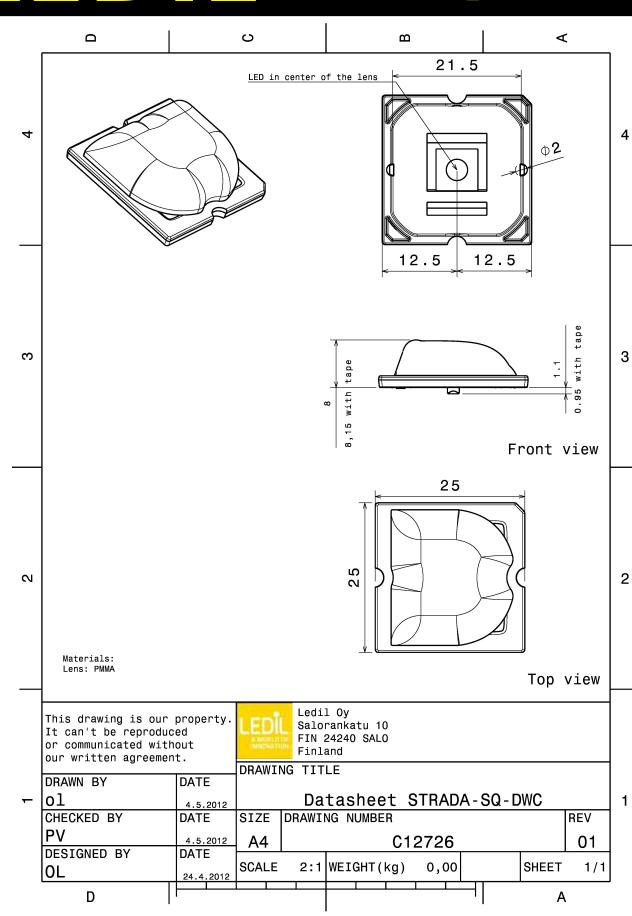
Туре	Mater
Single lens	PMMA

Material	Colour	Finish
PMMA	clear	

### **ORDERING INFORMATION:**

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12726_STRADA-SQ-T-DWC		294	98	7.9
» Box size:				

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



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

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LED		90° 90°
FWHM / FWTM	Asymmetric	750 200 100 751
Efficiency	93 %	
Peak intensity	0.5 cd/lm	50 50°.
LEDs/each optic	1	
Light colour	White	45'
Required compone		***
		000
		700
		500
		30° 135 <sup>5</sup> 0 <sup>4</sup> 15 <sup>4</sup>
		90* 90*
LED	XHP50.2	Cry 100
FWHM / FWTM	Asymmetric	78
Efficiency	94 %	60 <sup>5</sup> 60 <sup>5</sup>
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	45'
Required compone	nts:	500
		600
		30° 7700 30° 15° 0° 15° 30°
		9x* 9x*
		¥*
	XM-L	90°
LED		30 <sup>1</sup> 10 <sup>1</sup> 1
LED FWHM / FWTM	XM-L Asymmetric	94° 94° 30° 40° 40° 40° 40° 40° 40° 40° 40° 40° 4
LED FWHM / FWTM Efficiency	XM-L Asymmetric 94 %	90° 90° 90° 90° 90° 90° 90° 90° 90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XM-L Asymmetric 94 % 0.4 cd/lm 1 White	9° 9° 6° 6° 6°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XM-L Asymmetric 94 % 0.4 cd/lm 1 White	90° 100 100 100 100 100 100 100 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XM-L Asymmetric 94 % 0.4 cd/lm 1 White	50 50 50 50 50 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XM-L Asymmetric 94 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XM-L Asymmetric 94 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XM-L Asymmetric 94 % 0.4 cd/lm 1 White Ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XM-L Asymmetric 94 % 0.4 cd/lm 1 White Ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XM-L Asymmetric 94 % 0.4 cd/lm 1 White Ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XM-L Asymmetric 94 % 0.4 cd/lm 1 White ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LED EWHM / FWTM Efficiency	XM-L Asymmetric 94 % 0.4 cd/lm 1 White Ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Required compone Efficiency Peak intensity	XM-L Asymmetric 94 % 0.4 cd/lm 1 White ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Required compone Efficiency Peak intensity LEDs/each optic	XM-L Asymmetric 94 % 0.4 cd/lm 1 White Ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Required compone Efficiency Peak intensity	XM-L Asymmetric 94 % 0.4 cd/lm 1 White Ints: XM-L2 Asymmetric 92 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XM-L Asymmetric 94 % 0.4 cd/lm 1 White Ints: XM-L2 Asymmetric 92 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XM-L Asymmetric 94 % 0.4 cd/lm 1 White Ints: XM-L2 Asymmetric 92 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XM-L Asymmetric 94 % 0.4 cd/lm 1 White Ints: XM-L2 Asymmetric 92 % 0.7 cd/lm 1 White	



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

LED	- XP-G2	Ĩ Î
FWHM / FWTM	Asymmetric	73° 75°
Efficiency	94 %	
Peak intensity	1.1 cd/lm	60* 400 60*
LEDs/each optic	1	$\vee \times   \times \vee$
Light colour	White	45* 500
Required componer		800
		$\times$ / $\times$
		1000
		30* 15 <sup>5</sup> 1280 15* 30*.
		50°
LED	XP-L HD	M
FWHM / FWTM	Asymmetric	75 200 70
Efficiency	94 %	60 <sup>4</sup>
Peak intensity	0.7 cd/lm	60* 440 60*
LEDs/each optic	1	
Light colour	White	-65° 600 63°
Required componer	nts:	
		80
		30* 30*
1		
	2	50° 50°
	XP-L2	5° 5°
LED FWHM / FWTM	XP-L2 Asymmetric	9° 39° 39° 39°
LED FWHM / FWTM Efficiency	XP-L2 Asymmetric 94 %	9° 79 79 79 70 70 70 70 70 70 70 70 70 70 70 70 70
LED FWHM / FWTM Efficiency Peak intensity	XP-L2 Asymmetric 94 % 0.6 cd/lm	9° 73 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-L2 Asymmetric 94 % 0.6 cd/lm 1	92° 13° 14° 14° 14° 14° 14° 14° 14°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L2 Asymmetric 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-L2 Asymmetric 94 % 0.6 cd/lm 1 White	9,° 7,° 6,° 6,° 6,0 6,0 6,°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L2 Asymmetric 94 % 0.6 cd/lm 1 White	9° 70 10 10 10 10 10 10 10 10 10 10 10 10 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L2 Asymmetric 94 % 0.6 cd/lm 1 White	9° 73 6° 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L2 Asymmetric 94 % 0.6 cd/lm 1 White	39 <sup>1</sup> 19
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-L2 Asymmetric 94 % 0.6 cd/lm 1 White hts:	69
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-L2 Asymmetric 94 % 0.6 cd/lm 1 White hts:	69
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-L2 Asymmetric 94 % 0.6 cd/lm 1 White hts:	69
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-L2 Asymmetric 94 % 0.6 cd/lm 1 White hts: EDS LUXEON M/MX Asymmetric	69
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-L2 Asymmetric 94 % 0.6 cd/lm 1 White hts: EDS LUXEON M/MX Asymmetric 94 %	69
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-L2 Asymmetric 94 % 0.6 cd/lm 1 White hts: EDS LUXEON M/MX Asymmetric 94 % 0.5 cd/lm	00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer Equired componer VELUMIL LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-L2 Asymmetric 94 % 0.6 cd/lm 1 White hts: EDS LUXEON M/MX Asymmetric 94 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer Equired componer VELUMIL LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L2 Asymmetric 94 % 0.6 cd/lm 1 White hts: EDS LUXEON M/MX Asymmetric 94 % 0.5 cd/lm 1 White	00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-L2 Asymmetric 94 % 0.6 cd/lm 1 White hts: EDS LUXEON M/MX Asymmetric 94 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer Equired componer VELUMIL LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L2 Asymmetric 94 % 0.6 cd/lm 1 White hts: EDS LUXEON M/MX Asymmetric 94 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer Equired componer VELUMIL LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L2 Asymmetric 94 % 0.6 cd/lm 1 White hts: EDS LUXEON M/MX Asymmetric 94 % 0.5 cd/lm 1 White	



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

🕐 LUMIL	EDS	
LED	LUXEON MZ	90°
FWHM / FWTM	Asymmetric	75
Efficiency	90 %	
Peak intensity	0.7 cd/lm	.50 <sup>6</sup> 400 50*
LEDs/each optic	1	
Light colour	White	45* 600 45*
Required componer		$\times/$
		00
		1000
		30° 15° 30°
<b>MNICHIA</b>	N	90* 90*
LED	NFMW48xA	ay .
FWHM / FWTM	Asymmetric	780 780
Efficiency	94 %	
Peak intensity	0.6 cd/lm	60* 60*
LEDs/each optic	1	400
Light colour	White	45*
Required componer	nts:	600
		$\times$ / $\setminus$ $\times$
		800
		300
<i><i><i>(</i>)</i></i>		13 <sup>5</sup> 0 <sup>6</sup> 13 <sup>6</sup>
<b>ØNICHI</b> A		
, -	•	90* 90*
		30°
LED	NS9x383	90°
LED FWHM / FWTM	NS9x383 Asymmetric	by b
LED FWHM / FWTM Efficiency	NS9x383 Asymmetric 91 %	90° 99° 20° 00 99°
LED FWHM / FWTM Efficiency LEDs/each optic	NS9x383 Asymmetric 91 % 1	92°
LED FWHM / FWTM Efficiency LEDs/each optic Light colour	NS9x383 Asymmetric 91 % 1 White	92° 92° 73° 00° 00°
LED FWHM / FWTM Efficiency LEDs/each optic	NS9x383 Asymmetric 91 % 1 White	97 97 97 36 40 67 67 60 67
LED FWHM / FWTM Efficiency LEDs/each optic Light colour	NS9x383 Asymmetric 91 % 1 White	90° 23° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60
LED FWHM / FWTM Efficiency LEDs/each optic Light colour	NS9x383 Asymmetric 91 % 1 White	92 94 95 96 96 96 96 96 96 96 96 96 96
LED FWHM / FWTM Efficiency LEDs/each optic Light colour	NS9x383 Asymmetric 91 % 1 White	50° 13° 130 13° 30°
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required componen	NS9x383 Asymmetric 91 % 1 White nts:	500 900 914 914
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required component	NS9x383 Asymmetric 91 % 1 White hts:	500 900 914 914
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required component	NS9x383 Asymmetric 91 % 1 White Ints:	50 00 20 20 20
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required component Mequired component DICSSEY LED FWHM / FWTM	NS9x383 Asymmetric 91 % 1 White Ints:	50 00 20 20 20
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required component Required component LED FWHM / FWTM Efficiency	NS9x383 Asymmetric 91 % 1 White hts: PLW7070 Asymmetric 94 %	60 00 20 20 20
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required component Required component Efficiency Peak intensity	NS9x383 Asymmetric 91 % 1 White hts: PLW7070 Asymmetric 94 % 0.5 cd/m	60 00 20 20 20 20
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required component Required component Equired component Pequired component Component Required component Required component FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NS9x383 Asymmetric 91 % 1 White nts: PLW7070 Asymmetric 94 % 0.5 cd/m 1	90 90 90 90 90 90 90 90 90 90 90 90 90 9
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required component Required component Composition Required component Required component Pequired component FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NS9x383 Asymmetric 91 % 1 White hts: PLW7070 Asymmetric 94 % 0.5 cd/m 1 White	60 00 20 20 20
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required component Required component Composition Required component Required component Pequired component FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NS9x383 Asymmetric 91 % 1 White hts: PLW7070 Asymmetric 94 % 0.5 cd/m 1 White	90 90 90 90 90 90 90 90 90 90 90 90 90 9
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required component Required component Composition Required component Required component Pequired component FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NS9x383 Asymmetric 91 % 1 White hts: PLW7070 Asymmetric 94 % 0.5 cd/m 1 White	90 90 90 90 90 90 90 90 90 90 90 90 90 9
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required component Required component Might colour Required component Efficiency Peak intensity LEDs/each optic	NS9x383 Asymmetric 91 % 1 White nts: PLW7070 Asymmetric 94 % 0.5 cd/m 1 White	90 90 90 90 90 90 90 90 90



# PHOTOMETRIC DATA (SIMULATED):

CREE CLED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	MHB-A/B Asymmetric % 1 White	
CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XHP50.3 HD 157.0 + 75.0° / 167.0° 92 % 0.5 cd/lm 1 White	
<b>ED</b> FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSW519A Asymmetric 91 % 0.6 cd/lm 1 White	25° 6° 25° 90° 13° 40° 40° 40° 40° 40° 40° 40° 40
OSRAM Orlo Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Duris S8 Asymmetric 89 % 0.6 cd/lm 1 White	



# PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors		81°
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	OSLON Square CSSRM2/CSSRM3 Asymmetric 94 % 1 White	20° 20° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0
SAMSUN	IG	90* 90*
LED	LH351B	M N
FWHM / FWTM	Asymmetric	
Efficiency	93 %	
Peak intensity	0.7 cd/lm	400
LEDs/each optic	1	
Light colour	White	45+ 500 45+
Required components:		80



### **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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