

# PRODUCT DATASHEET CA16015\_STRADA-SQ-SCL

# STRADA-SQ-SCL

Type II/III (Long) beam for very wide pole to pole distances. Ideal for pedestrian path and residential road lighting. (EN13201 P-classes). Version with location pins. Assembly with installation tape.

### **TECHNICAL SPECIFICATIONS:**

Dimensions	25.0 x 25.0 mm
Height	9.1 mm
Fastening	tape, pin
ROHS compliant	yes 🛈



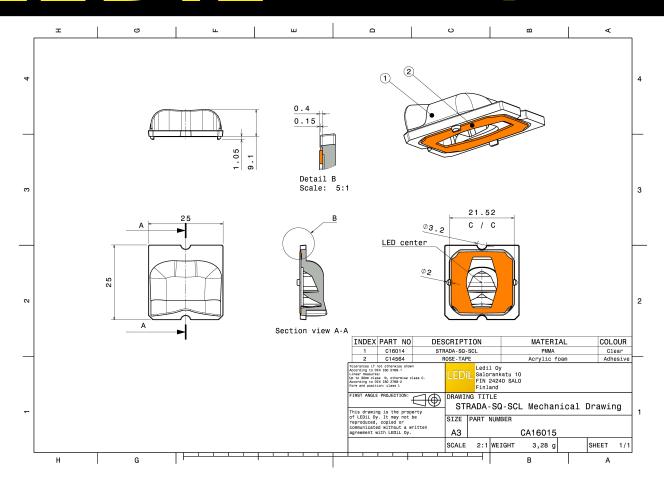
## MATERIAL SPECIFICATIONS:

Component	Туре	Material	Colour	Finish
STRADA-SQ-SCL	Single lens	PMMA	clear	
ROSE-TAPE	Таре	Acrylic foam	black	

### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA16015_STRADA-SQ-SCL	Single lens	2058	294	98	8.8
» Box size: 480 x 280 x 300 mm					

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



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

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LED	XHP50.2	
FWHM / FWTM	Asymmetric	
Efficiency	89 %	
Peak intensity	0.7 cd/lm	60° <u>300</u> 60°
LEDs/each optic	1	400
Light colour	White	45" 540 45"
Required compone	nts:	600
		800
		30°, 12°, 30°, 12°, 30°,
		50*
LED	XP-G3	
FWHM / FWTM	Asymmetric	73*
Efficiency	94 %	
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	200
Light colour	White	(\$5 <sup>+</sup> 1000 \$5 <sup>+</sup>
Required compone	nts:	1200
		1430
		30* 15 <sup>0</sup> 0 <sup>0</sup> 15 <sup>*</sup> 3*
		50° 50°
LED	XP-L HD	80° 80° 80° 80° 80° 80° 80° 80° 80° 80°
LED FWHM / FWTM	XP-L HD Asymmetric	97 731 791 791 791 791 791 791
LED FWHM / FWTM Efficiency	XP-L HD Asymmetric 94 %	90°
LED FWHM / FWTM Efficiency Peak intensity	XP-L HD Asymmetric 94 % 1.3 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-L HD Asymmetric 94 % 1.3 cd/lm 1	97 75 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD Asymmetric 94 % 1.3 cd/lm 1 White	97 73 60 60 60 60 60 60 60 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-L HD Asymmetric 94 % 1.3 cd/lm 1 White	97 75 61 61 67 60 60 67 60 60 67 60 60 67 60 60 67 67 60 67 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD Asymmetric 94 % 1.3 cd/lm 1 White	90° 90° 73° 30° 75° 80° 60° 80° 60° 80° 60° 80° 60° 80° 60° 80° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD Asymmetric 94 % 1.3 cd/lm 1 White	97 72 60 67 60 60 67 60 60 67 60 67 67 60 67 67 67 67 67 67 67 67 67 67 67 67 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD Asymmetric 94 % 1.3 cd/lm 1 White	9,4 725 6,17 6,17 6,17 6,17 6,17 6,17 6,17 6,17
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	XP-L HD Asymmetric 94 % 1.3 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	XP-L HD Asymmetric 94 % 1.3 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	XP-L HD Asymmetric 94 % 1.3 cd/lm 1 White Its:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	XP-L HD Asymmetric 94 % 1.3 cd/lm 1 White nts:	90 1000 1000 1200 1200 1200 1200 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Model of the second seco	XP-L HD Asymmetric 94 % 1.3 cd/lm 1 White nts: EDS LUXEON 5050 Square LES Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Mediate Component Efficiency	XP-L HD Asymmetric 94 % 1.3 cd/lm 1 White nts:	90 1000 1000 1200 1200 1200 1200 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity	XP-L HD Asymmetric 94 % 1.3 cd/lm 1 White nts: EDS LUXEON 5050 Square LES Asymmetric 94 % 1 cd/lm	90 1000 1000 1200 1200 1200 1200 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic	XP-L HD Asymmetric 94 % 1.3 cd/lm 1 White nts: EDS LUXEON 5050 Square LES Asymmetric 94 % 1 cd/lm 1 White	90 1000 1000 1200 1200 1200 1200 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Composition Required component Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD Asymmetric 94 % 1.3 cd/lm 1 White nts: EDS LUXEON 5050 Square LES Asymmetric 94 % 1 cd/lm 1 White	90 1000 1000 1200 1200 1200 1200 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Composition Required component Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD Asymmetric 94 % 1.3 cd/lm 1 White nts: EDS LUXEON 5050 Square LES Asymmetric 94 % 1 cd/lm 1 White	90 1000 1000 1200 1200 1200 1200 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Composition Required component Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD Asymmetric 94 % 1.3 cd/lm 1 White nts: EDS LUXEON 5050 Square LES Asymmetric 94 % 1 cd/lm 1 White	90 1000 1000 1200 1200 1200 1200 10



# PHOTOMETRIC DATA (MEASURED):

🤭 LUMIL	EDS	90° 90°
LED	LUXEON MZ	
FWHM / FWTM	Asymmetric	75* 200 75*
Efficiency	94 %	400
Peak intensity	1.3 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	45* 800 45*
Required componer	nts:	
		1200
		30* 30* 3890 30* 30*
СЛЛАСІ		
SVWS	ING	90° 90°
LED	LH181B	- for
FWHM / FWTM	Asymmetric	259
Efficiency	92 %	60° 60°
Peak intensity	1.8 cd/lm	
LEDs/each optic	1	80
Light colour	White	-65* 1000 63*
Required componer	its:	1200
		1830
		1000
		30* 15* 30* 30*



## PHOTOMETRIC DATA (SIMULATED):

		90°
LED	XP-G2	
FWHM / FWTM	Asymmetric	73°
Efficiency	89 %	460
Peak intensity	1 cd/im	.50° 50°
	1	00
LEDs/each optic	' White	1000
Light colour	Wille	45* 45*
Required components:		1400
		1690
		1000
		30° 13 <sup>5</sup> 2650 15° 30°
LED	XP-G3	20°
FWHM / FWTM	Asymmetric	72° 77°
Efficiency	72 %	200
Peak intensity	0.6 cd/lm	50 <sup>4</sup> 300 60 <sup>4</sup>
LEDs/each optic	1	40
Light colour	White	43° 500 45
Required components:	White	
required components.		
Protective plate	e, glass	760
		200
		30* <u>15</u> <sup>5</sup> <u>900</u> <u>15</u> <sup>5</sup> <u>90</u> *
		м <u>м</u> <u>м</u>
	)S	20 10 10 10 10 10 10 10 10 10 10 10 10 10
		20 0 10 10 10 10 10 10 10 10 10 10 10 10
LED	LUXEON 5050 Round LES	
LED FWHM / FWTM	LUXEON 5050 Round LES Asymmetric	
LED FWHM / FWTM Efficiency	LUXEON 5050 Round LES Asymmetric 90 %	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON 5050 Round LES Asymmetric 90 % 0.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Round LES Asymmetric 90 % 0.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES Asymmetric 90 % 0.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Round LES Asymmetric 90 % 0.9 cd/lm 1	5° 000 5° 0°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES Asymmetric 90 % 0.9 cd/lm 1	5° 000 5° 0°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES Asymmetric 90 % 0.9 cd/lm 1	5° 000 5° 0°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES Asymmetric 90 % 0.9 cd/lm 1	2 2 2 4 4 6 6 6 6 7 1000 100 1000 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES Asymmetric 90 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES Asymmetric 90 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES Asymmetric 90 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES Asymmetric 90 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES Asymmetric 90 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES Asymmetric 90 % 0.9 cd/lm 1 White S LUXEON 7070 Asymmetric 89 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES Asymmetric 90 % 0.9 cd/lm 1 White S LUXEON 7070 Asymmetric 89 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES Asymmetric 90 % 0.9 cd/lm 1 White S LUXEON 7070 Asymmetric 89 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES Asymmetric 90 % 0.9 cd/lm 1 White S LUXEON 7070 Asymmetric 89 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES Asymmetric 90 % 0.9 cd/lm 1 White S LUXEON 7070 Asymmetric 89 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES Asymmetric 90 % 0.9 cd/lm 1 White S LUXEON 7070 Asymmetric 89 % 0.6 cd/lm 1	



## PHOTOMETRIC DATA (SIMULATED):

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	S	90* 9
LED	LUXEON M/MX	
FWHM / FWTM	Asymmetric	750 20
Efficiency	90 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	600
Light colour	White	45*
Required components:		800
		1000
		30* 1200 15* 5
	S	
LED	LUXEON M/MX	
FWHM / FWTM	Asymmetric	75%
Efficiency	74%	X
Peak intensity	0.4 cd/lm	60° 2° 2°
LEDs/each optic	1	30
Light colour	White	
Required components:		400
r toquiroù componenter		540
Protective plate	, glass	
		600
		(30* 15* 8° 15* 3
OSRAM Opto Semiconductors		90* 6
LED	OSCONIQ P 7070	
FWHM / FWTM	Asymmetric	756 20
Efficiency	86 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	X 500 X
Light colour	White	45'
Required components:		
		800
		00
		99 139
		90 100 20* 120
<u> </u>		29° 10° 10° 10°
SAMSUN		
LED	LH351B	
LED FWHM / FWTM	LH351B Asymmetric	
LED FWHM / FWTM Efficiency	LH351B Asymmetric 89 %	
LED FWHM / FWTM Efficiency Peak intensity	LH351B Asymmetric 89 % 0.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B Asymmetric 89 % 0.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B Asymmetric 89 % 0.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B Asymmetric 89 % 0.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B Asymmetric 89 % 0.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B Asymmetric 89 % 0.9 cd/lm 1	



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### **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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