

PRODUCT DATASHEET C16014_STRADA-SQ-SCL

STRADA-SQ-SCL

Type II/III (long) beam for very wide pole to pole distances. Ideal for pedestrian walkways and residential roads. EN13201 P-classes. Version with location pins.

TECHNICAL SPECIFICATIONS:

Dimensions Height Fastening ROHS compliant 25.0 x 25.0 mm 9.1 mm glue, pin, screw yes 1



MATERIAL SPECIFICATIONS:

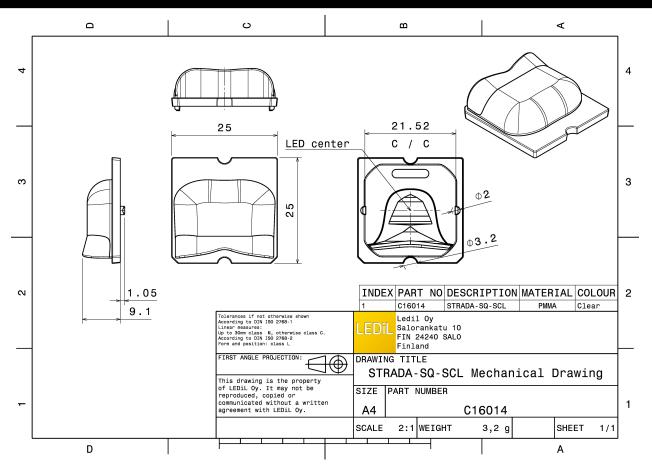
Component STRADA-SQ-SCL **Type** Single lens

Material	Colour	Finish
PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16014_STRADA-SQ-SCL	2058	294	98	8.6
» Box size: 476 x 273 x 292 mm				

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



PHOTOMETRIC DATA (MEASURED):

	2	90° 90°
LED	XHP50.2	
FWHM / FWTM	Asymmetric	The second secon
Efficiency	93 %	
Peak intensity	0.7 cd/lm	50°
LEDs/each optic	1	400
Light colour	White	45* 200 45*
Required compone	nts:	600
		7700
		800
		30° 15° 30° 15° 30°
🤭 LUMIL	EDS	90* 90*
LED	LUXEON M/MX	
FWHM / FWTM	Asymmetric	71° 71°
Efficiency	93 %	
Peak intensity	0.8 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	451 000 454
Required compone	nts:	
		800
		\times / \times /
		1000
		15 ⁶ 0 ⁶ 15 ⁸ 30 ⁶
SΛMSι	ING	20* 20*
LED	LH181B	
FWHM / FWTM	Asymmetric	73* 40 75*
Efficiency	94 %	60
Peak intensity	1.7 cd/lm	60° 60°
LEDs/each optic	1	$ X \times \times X $
Light colour	White	45* 000
Required compone	nts:	1000
		1220
		3450
		10 ⁻ 15 ⁰ 16 ⁰ / ₂₀ 15 ⁺ 30 ⁺



PHOTOMETRIC DATA (SIMULATED):

LED	XHP35 HD	190°
FWHM / FWTM	Asymmetric	200
Efficiency	89 %	
Peak intensity	0.6 cd/lm	. 50 ⁴ 60*
	1	400
LEDs/each optic Light colour	' White	
Required components:	Wille	45* 000 45*.
Required components.		
		\times / \pm / \times
		1000
		30* 13 ⁵ 0° 15* 30*
		0.4 A A A A A A A A A A A A A A A A A A A
LED	XHP35 HI	
FWHM / FWTM	Asymmetric	75°
Efficiency	92 %	400
Peak intensity	0.9 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	45* 800 45*
Required components:		1000
		1200
		1400
		30* 30*
		15° 18°0 15°
	XHD50	20 ² 20 ² 20 ²
LED	XHP50 Asymmetric	
LED FWHM / FWTM	Asymmetric	
LED FWHM / FWTM Efficiency	Asymmetric 91 %	
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 91 % 0.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 91 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 91 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.7 cd/lm 1	20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1 White XHP50.3 HD	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1 White XHP50.3 HD Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1 White XHP50.3 HD Asymmetric 91 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1 White XHP50.3 HD Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1 White XHP50.3 HD Asymmetric 91 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1 White XHP50.3 HD Asymmetric 91 % 0.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1 White XHP50.3 HD Asymmetric 91 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1 White XHP50.3 HD Asymmetric 91 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.7 cd/lm 1 White XHP50.3 HD Asymmetric 91 % 0.7 cd/lm 1	



PHOTOMETRIC DATA (SIMULATED):

LED	XT-E	
FWHM / FWTM	Asymmetric	nge What nge
Efficiency	92 %	400
Peak intensity	1 cd/lm	65* 640 68*
LEDs/each optic	1	
Light colour	u White	
Required components:	White	
Required components.		1220
		1430
		100
		30° 15° 30°
)S	INY FAL
LED	LUXEON 5050 Round LES	19 ⁻
FWHM / FWTM	Asymmetric	780
Efficiency	92 %	
Peak intensity	0.8 cd/lm	66* 66*
LEDs/each optic	1	
Light colour	White	× × ×
Required components:	White	45° 45°
Required components.		1000
		1220
		30* 15 ⁵ 0° 15* 30 ⁴
	5	
		048
		90° 90°
LED	LUXEON 5050 Square LES	No.
LED FWHM / FWTM	LUXEON 5050 Square LES Asymmetric	No
LED FWHM / FWTM Efficiency	LUXEON 5050 Square LES Asymmetric 92 %	94 99 99 99 99 99 99 99 99 99 99 99 99 9
LED FWHM / FWTM Efficiency Peak intensity	LUXEON 5050 Square LES Asymmetric 92 % 0.8 cd/lm	60 ⁵ 60 ⁷ 60 ⁷
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Square LES Asymmetric 92 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Square LES Asymmetric 92 % 0.8 cd/lm	6 ⁺ 6 ⁺ 20 6 ⁺ 60 60 60 60 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Square LES Asymmetric 92 % 0.8 cd/lm 1	90 90 90 90 90 90 90 90 90 90 90 90 90 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Square LES Asymmetric 92 % 0.8 cd/lm 1	6° 00 6° 30° 6° 30° 6° 90° 6°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Square LES Asymmetric 92 % 0.8 cd/lm 1	9* 9* 6* 69 69 69 69 69 69 67 69 69 67 69 69 67 68 69 67 68 69 68 69 68 69 68 69 68 69 69 69 69 69 69 69 69 69 69 69 69 69
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Square LES Asymmetric 92 % 0.8 cd/lm 1	20° 10° 0° 13° 30° 20° 10° 0° 13° 30° 20° 0° 0° 0° 0° 20° 0° 0° 0° 1000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 92 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 92 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 92 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 92 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 92 % 0.8 cd/lm 1 White S LUXEON 7070 Asymmetric 93 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 92 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: With Components: Composed State Composed St	LUXEON 5050 Square LES Asymmetric 92 % 0.8 cd/lm 1 White S LUXEON 7070 Asymmetric 93 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Square LES Asymmetric 92 % 0.8 cd/lm 1 White S LUXEON 7070 Asymmetric 93 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: With Components: Composed State Composed St	LUXEON 5050 Square LES Asymmetric 92 % 0.8 cd/lm 1 White S LUXEON 7070 Asymmetric 93 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Square LES Asymmetric 92 % 0.8 cd/lm 1 White S LUXEON 7070 Asymmetric 93 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: WIM / COMPARENT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Square LES Asymmetric 92 % 0.8 cd/lm 1 White S LUXEON 7070 Asymmetric 93 % 0.6 cd/lm 1	



PHOTOMETRIC DATA (SIMULATED):

r		
Μ ΝΙCΗΙΛ		
LED	NVSW3x9A	10° - 90° -
FWHM / FWTM	Asymmetric	75° 75°.
Efficiency	91 %	40
Peak intensity	1 cd/lm	50° 604
LEDs/each optic	1 White	800
Light colour Required components:	white	45* 65*
Required components.		1200
		1490
		30° 15 ⁵ 1600 30° 30°
Μ ΝΙCΗΙΛ		91 ⁺ 91 ⁺
LED	NVSW519A	
FWHM / FWTM	Asymmetric	720 700 770
Efficiency	91 %	
Peak intensity	0.9 cd/lm	50* 50*
LEDs/each optic	1	600
Light colour	White	45" 000 45"
Required components:		
		1000
		1200
		90° <u>1430</u> 30° 30°
OSRAM Ooto Semiconductors		94* 22 ⁵ 40 ⁶ 23 ⁵ 30 ⁶
OSRAM Opto Semiconductors	Duris S8	20 ¹ 20 ⁵ 0 ¹ 20 ⁵ 0 ²
LED	Duris S8 Asymmetric	
LED FWHM / FWTM	Duris S8 Asymmetric 92 %	
LED FWHM / FWTM Efficiency	Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 92 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 92 % 0.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 92 % 0.8 cd/lm 1	90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.8 cd/lm 1	90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.8 cd/lm 1	10° 00° 00° 00° 00° 00° 00° 00° 00° 00°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.8 cd/lm 1	10° 00° 00° 00° 00° 00° 00° 00° 00° 00°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.8 cd/lm 1	10° 00° 00° 00° 00° 00° 00° 00° 00° 00°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.8 cd/lm 1	10° 00° 00° 00° 00° 00° 00° 00° 00° 00°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.8 cd/lm 1 White	10° 00° 00° 00° 00° 00° 00° 00° 00° 00°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 92 % 0.8 cd/lm 1 White Z8Y19	10° 00° 00° 00° 00° 00° 00° 00° 00° 00°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: secoul semiconouctor LED	Asymmetric 92 % 0.8 cd/lm 1 White	10° 00° 00° 00° 00° 00° 00° 00° 00° 00°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: stolu semiconouctor LED FWHM / FWTM Efficiency	Asymmetric 92 % 0.8 cd/lm 1 White Z8Y19 Asymmetric	10° 00° 00° 00° 00° 00° 00° 00° 00° 00°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEGUIL SEMICONDUCTOR LED FWHM / FWTM	Asymmetric 92 % 0.8 cd/lm 1 White Z8Y19 Asymmetric 92 %	B1- B1- B1- B1- B1- B1- B1- B1-
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 92 % 0.8 cd/lm 1 White Z8Y19 Asymmetric 92 % 0.9 cd/lm	B1- B1- B1- B1- B1- B1- B1- B1-
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: stool semconductor LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 92 % 0.8 cd/lm 1 White Z8Y19 Asymmetric 92 % 0.9 cd/lm 4	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.8 cd/lm 1 White Z8Y19 Asymmetric 92 % 0.9 cd/lm 4	10° 00° 00° 00° 00° 00° 00° 00° 00° 00°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.8 cd/lm 1 White Z8Y19 Asymmetric 92 % 0.9 cd/lm 4	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 0.8 cd/lm 1 White Z8Y19 Asymmetric 92 % 0.9 cd/lm 4	



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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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