

# PRODUCT DATASHEET CA14219\_STRADA-SQ-CY

## STRADA-SQ-CY

Beam for canopy lighting with batwing light distribution. Suitable for symmetrical tunnel lighting. Version with location pins. Assembly with installation tape.

#### **TECHNICAL SPECIFICATIONS:**

Dimensions Height Fastening ROHS compliant 25.0 x 25.0 mm 10.1 mm tape, pin, screw yes 1



#### **MATERIAL SPECIFICATIONS:**

Component STRADA-SQ-CY ROSE-TAPE

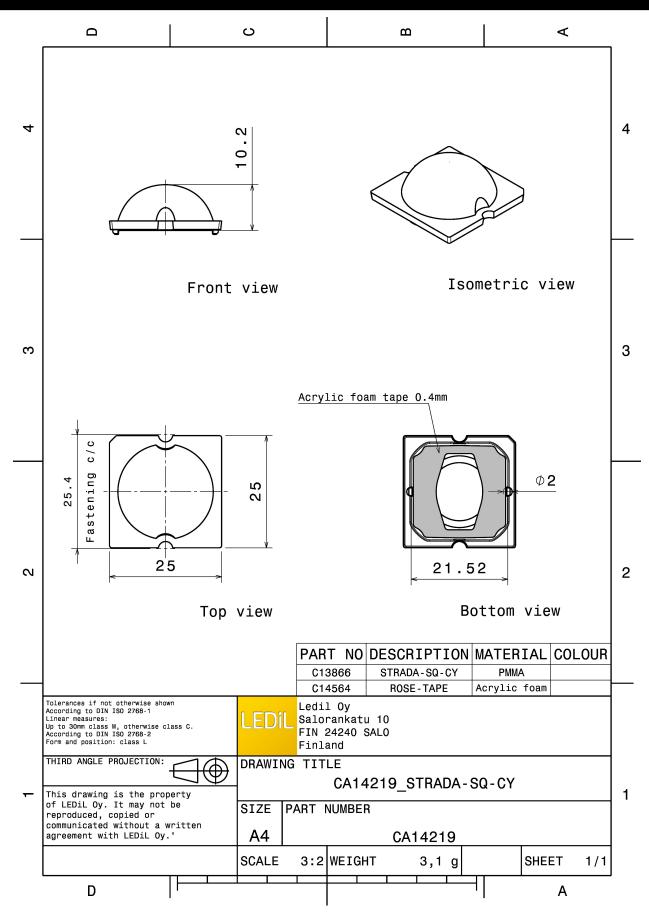
Туре	
Single lens	
Таре	

Material	Colour	Finish
PMMA	clear	
Acrylic foam	black	

#### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA14219_STRADA-SQ-CY	Single lens	2058		98	7.8
» Box size: 480 x 280 x 300 mm					

PRODUCT DATASHEET CA14219\_STRADA-SQ-CY



(R)

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



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LED	MHD-E/G
FWHM / FWTM	117.0 + 115.0° / 138.0 + 133.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required componen	its:

#### 

LED	MK-R				
FWHM / FWTM	118.0 + 115.0° / 274.0°				
Efficiency	94 %				
Peak intensity	0.4 cd/lm				
LEDs/each optic	1				
Light colour	White				
Required componen	Required components:				

		90*
LED	XHP50	
FWHM / FWTM	122.0 + 118.0°	75°
Efficiency	94 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	45'
Required componer	nts:	30 200 30 <sup>4</sup> <u>45<sup>5</sup></u> 0 <sup>4</sup> <u>15<sup>4</sup></u> 30 <sup>5</sup>
	3	90* 90*
LED	XHP50	
FWHM / FWTM	115.0 + 113.0° / 132.0 + 131.0°	75°
Efficiency	90 %	
Peak intensity	0.4 cd/lm	60~
LEDs/each optic	1	
Light colour	White	45° 63°
Required componer	nts:	300
Protective		



		50°
LED		
FWHM / FWTM	121.0 + 119.0° / 144.0 + 143.0°	75%
Efficiency	94 %	
Peak intensity	0.4 cd/lm	ear and
LEDs/each optic	1	
Light colour	White	·65*
Required componer	nts.	300
		30* 25 <sup>5</sup> 0 <sup>6</sup> 25* 30*
LED	XM-L	
FWHM / FWTM	122.0 + 116.0° / 270.0°	
Efficiency	94 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required componer		
		90* 90*
LED	XP-L HD	8°
		90* 90* 23 <sup>6</sup> 200 75!
LED	XP-L HD	90* 90* 26
LED FWHM / FWTM	XP-L HD 118.0 + 127.0° / 136.0 + 148.0°	90° 90° 20
LED FWHM / FWTM Efficiency	XP-L HD 118.0 + 127.0° / 136.0 + 148.0° 94 %	92° 92° 250 200 80°
LED FWHM / FWTM Efficiency Peak intensity	XP-L HD 118.0 + 127.0° / 136.0 + 148.0° 94 % 0.4 cd/lm	92 <sup>*</sup> 92 <sup>*</sup> 29 <sup>*</sup> 200 60 <sup>*</sup> 200 60 <sup>*</sup> 60 <sup>*</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-L HD 118.0 + 127.0° / 136.0 + 148.0° 94 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD 118.0 + 127.0° / 136.0 + 148.0° 94 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD 118.0 + 127.0° / 136.0 + 148.0° 94 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD 118.0 + 127.0° / 136.0 + 148.0° 94 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	XP-L HD 118.0 + 127.0° / 136.0 + 148.0° 94 % 0.4 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD 118.0 + 127.0° / 136.0 + 148.0° 94 % 0.4 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	XP-L HD 118.0 + 127.0° / 136.0 + 148.0° 94 % 0.4 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	XP-L HD 118.0 + 127.0° / 136.0 + 148.0° 94 % 0.4 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	XP-L HD 118.0 + 127.0° / 136.0 + 148.0° 94 % 0.4 cd/lm 1 White nts: XP-L2	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component CREE LED LED FWHM / FWTM	XP-L HD 118.0 + 127.0° / 136.0 + 148.0° 94 % 0.4 cd/lm 1 White nts: XP-L2 118.0 + 115.0° / 136.0 + 133.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component LED FWHM / FWTM Efficiency	XP-L HD 118.0 + 127.0° / 136.0 + 148.0° 94 % 0.4 cd/lm 1 White nts: XP-L2 118.0 + 115.0° / 136.0 + 133.0° 90 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component LED FWHM / FWTM Efficiency Peak intensity	XP-L HD 118.0 + 127.0° / 136.0 + 148.0° 94 % 0.4 cd/lm 1 White nts: XP-L2 118.0 + 115.0° / 136.0 + 133.0° 90 % 0.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD 118.0 + 127.0° / 136.0 + 148.0° 94 % 0.4 cd/lm 1 White nts: XP-L2 118.0 + 115.0° / 136.0 + 133.0° 90 % 0.4 cd/lm 1 White	39 <sup>2</sup> 7 <sup>2</sup> 6 <sup>3</sup> 6 <sup>3</sup> 200 6 <sup>4</sup> 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-L HD 118.0 + 127.0° / 136.0 + 148.0° 94 % 0.4 cd/lm 1 White nts: XP-L2 118.0 + 115.0° / 136.0 + 133.0° 90 % 0.4 cd/lm 1 White	39 <sup>2</sup> 7 <sup>2</sup> 6 <sup>3</sup> 6 <sup>3</sup> 200 6 <sup>4</sup> 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD 118.0 + 127.0° / 136.0 + 148.0° 94 % 0.4 cd/lm 1 White nts: XP-L2 118.0 + 115.0° / 136.0 + 133.0° 90 % 0.4 cd/lm 1 White	39 <sup>2</sup> 7 <sup>2</sup> 6 <sup>3</sup> 6 <sup>3</sup> 200 6 <sup>4</sup> 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD 118.0 + 127.0° / 136.0 + 148.0° 94 % 0.4 cd/lm 1 White nts: XP-L2 118.0 + 115.0° / 136.0 + 133.0° 90 % 0.4 cd/lm 1 White	39 <sup>2</sup> 7 <sup>2</sup> 6 <sup>3</sup> 6 <sup>3</sup> 200 6 <sup>4</sup> 200



[		
M LUMIL	.EDS	
LED	LUXEON M/MX	
FWHM / FWTM	120.0 + 115.0° / 271.0°	
Efficiency	94 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
		× 7 8 7
	.EDS	90* 90*
LED	LUXEON MZ	
FWHM / FWTM	127.0 + 118.0° / 144.0 + 137.0°	75°
Efficiency	94 %	
Peak intensity	0.3 cd/lm	jert jert
LEDs/each optic	1	
Light colour	White	5° 5°
Required compone	ents:	 300
		$\times$
		400
		$\times$
		30* 30* 30*
M LUMIL	.EDS	90* 90*
LED	LUXEON XR-M Linear (L2M0-xxxx003MC3300)	
FWHM / FWTM	118.0 + 115.0° / 135.0 + 130.0°	73*
Efficiency	94 %	
Peak intensity	0.4 cd/lm	60*
LEDs/each optic	1	200
Light colour	White	5° 5°
Required compone		
		X   X
		400
		$\times$
		30° 15° 30°
ØNICHI/	N	
LED	NVSW319B	
FWHM / FWTM	125.0 + 117.0° / 141.0 + 131.0°	736 780 782
Efficiency	94 %	
Peak intensity	0.5 cd/lm	50* 50*
LEDs/each optic	1	
LEDS/each optic	' White	× / ** / ×
		6, 6,
Required compone	fillo.	400
		200
		30* <u>15</u> <sup>5</sup> <u>60</u> b <u>15</u> * 30*



			90°	90"
LED	NVSxx19B/NVSxx19C			
FWHM / FWTM	124.0 + 115.0° / 141.0 + 128.0°		75°	
Efficiency	94 %			$\times \mathbb{N} \times$
Peak intensity	0.5 cd/lm			$\sim \mathcal{N}$
LEDs/each optic	1			X
Light colour	White		45*	
Required compone	nts:		400	
			500	
			30*	1
OCDAM			13 <u>A</u>	15*
OSRAM Opto Semiconductors			90*	90
LED	Duris S10			1-1
FWHM / FWTM	116.0 + 113.0° / 132.0 + 128.0°		750	77
Efficiency	93 %			
Peak intensity	0.4 cd/lm			
LEDs/each optic	1		200	
Light colour	White		45*	
Required compone	ints:		300	
			400	
			30*	30*
OSRAM				
Opto Semiconductors			90*	90'
Opto Semiconductors	Duris S8		13s	90
opto Semiconductors LED FWHM / FWTM	112.0° / 126.0°		9°	99
Opto Semiconductors LED FWHM / FWTM Efficiency	112.0° / 126.0° 93 %		90°	99
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	112.0° / 126.0° 93 % 0.4 cd/lm		90* 70 00* 200	99
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	112.0° / 126.0° 93 % 0.4 cd/lm 1		90* 79 90* 200	2
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	112.0° / 126.0° 93 % 0.4 cd/lm 1 White		90° 70° 60° 50° 50°	7
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	112.0° / 126.0° 93 % 0.4 cd/lm 1 White		9° 70 60 70 70 70	29
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	112.0° / 126.0° 93 % 0.4 cd/lm 1 White		9° 0° 5° 200 400	2
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	112.0° / 126.0° 93 % 0.4 cd/lm 1 White		9° 	90 73 60 60
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	112.0° / 126.0° 93 % 0.4 cd/lm 1 White		9° 10° 10° 10° 10° 10° 10° 10° 10	29 77 60 60 60 60 60 60 60 60 60 60 60 60 60
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	112.0° / 126.0° 93 % 0.4 cd/lm 1 White mts:		9° 30° 30° 30° 30° 30° 30° 30° 30	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	112.0° / 126.0° 93 % 0.4 cd/lm 1 White Ints:		90° 10° 10° 10° 10° 10° 10° 10° 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	112.0° / 126.0° 93 % 0.4 cd/lm 1 White Ints:		9° 10° 10° 10° 10° 10° 10° 10° 10	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSU LED FWHM / FWTM	112.0° / 126.0° 93 % 0.4 cd/lm 1 White Ints: UNG LH508A 114.0 + 113.0° / 127.0°		9° 10° 10° 10° 10° 10° 10° 10° 10	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency	112.0° / 126.0° 93 % 0.4 cd/lm 1 White ints: UNG LH508A 114.0 + 113.0° / 127.0° 79 %		90° 10° 10° 10° 10° 10° 10° 10° 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone <b>SAMSU</b> LED FWHM / FWTM Efficiency Peak intensity	112.0° / 126.0° 93 % 0.4 cd/lm 1 White ints:		9.° 10.° 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone <b>SAMSU</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	112.0° / 126.0° 93 % 0.4 cd/lm 1 White ints:		9,° 19,° 19,° 10,° 1	15*
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	112.0° / 126.0° 93 % 0.4 cd/lm 1 White ints: <b>JNG</b> LH508A 114.0 + 113.0° / 127.0° 79 % 0.4 cd/lm 1 White		9.° 9.° 9.° 9.° 9.° 9.° 9.° 9.°	10°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone <b>SAMSU</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	112.0° / 126.0° 93 % 0.4 cd/lm 1 White ints: <b>JNG</b> LH508A 114.0 + 113.0° / 127.0° 79 % 0.4 cd/lm 1 White		9.° 9.° 9.° 9.° 9.° 9.° 9.° 9.°	15*
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	112.0° / 126.0° 93 % 0.4 cd/lm 1 White ints: <b>JNG</b> LH508A 114.0 + 113.0° / 127.0° 79 % 0.4 cd/lm 1 White		9° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	112.0° / 126.0° 93 % 0.4 cd/lm 1 White ints: <b>JNG</b> LH508A 114.0 + 113.0° / 127.0° 79 % 0.4 cd/lm 1 White		9.° 100 100 100 100 100 100 100 10	15*



### PHOTOMETRIC DATA (SIMULATED):

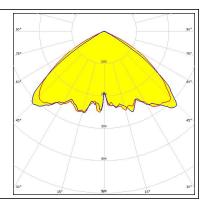
		90*
LED	J Series 2835	
FWHM / FWTM	113.0° / 136.0°	73*
Efficiency	98 %	
Peak intensity	0.5 cd/lm	50 <sup>4</sup>
LEDs/each optic	1	
Light colour	White	45*
Required components:		
		440
		30* 30* 30* 30*
		90° 90°
LED	MHB-A/B	
FWHM / FWTM	112.0° / 138.0°	75%
Efficiency	98 %	
Peak intensity	0.4 cd/lm	er e
LEDs/each optic	1	
Light colour	White	45*
Required components:		
		30* 30* 30*
		90* 90*
LED	XHP50.2	
FWHM / FWTM	101.0 + 107.0° / 122.0 + 125.0°	775 775
Efficiency	94 %	
Peak intensity	0.4 cd/lm	200
LEDs/each optic	1	
Light colour	White	45" 300 45"
Required components:		
		$\times$ / $\top$ / $\times$
		30* 35 50 15* 30*
	5	137 0 15
		90* 90*
	LUXEON M/MX	73°
FWHM / FWTM	97.0 + 106.0° / 118.0 + 123.0°	
Efficiency	88 %	50* 60*
Peak intensity	0.4 cd/lm	
LEDs/each optic Light colour	1 White	
Required components:	WINE	-63* - 63*
rtequired components.		
	e, glass	
Protective plate	e, glass	00
	e, glass	50° 20° 20° 30°



#### **PHOTOMETRIC DATA (SIMULATED):**

#### OSRAM Opto Semiconductors

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSCONIQ P 7070 115.0° / 130.0° 92 % 0.5 cd/lm 1 White





# PRODUCT DATASHEET CA14219\_STRADA-SQ-CY

#### **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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