

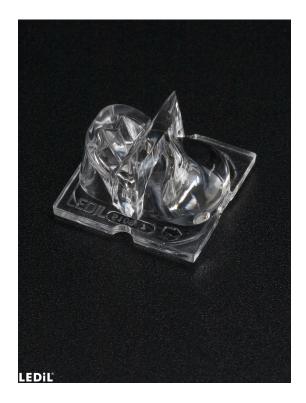
# PRODUCT DATASHEET CA15226\_STRADA-SQ-FS3

# STRADA-SQ-FS3

Forward throw beam optimized for European tunnels, resulting in extremely efficient lighting with counter-beam method. Version with location pins. Assembly with installation tape.

### **SPECIFICATION:**

Dimensions	25.0 x 25.0 mm
Height	16.2 mm
Fastening	tape
ROHS compliant	yes 🛈



### **MATERIALS:**

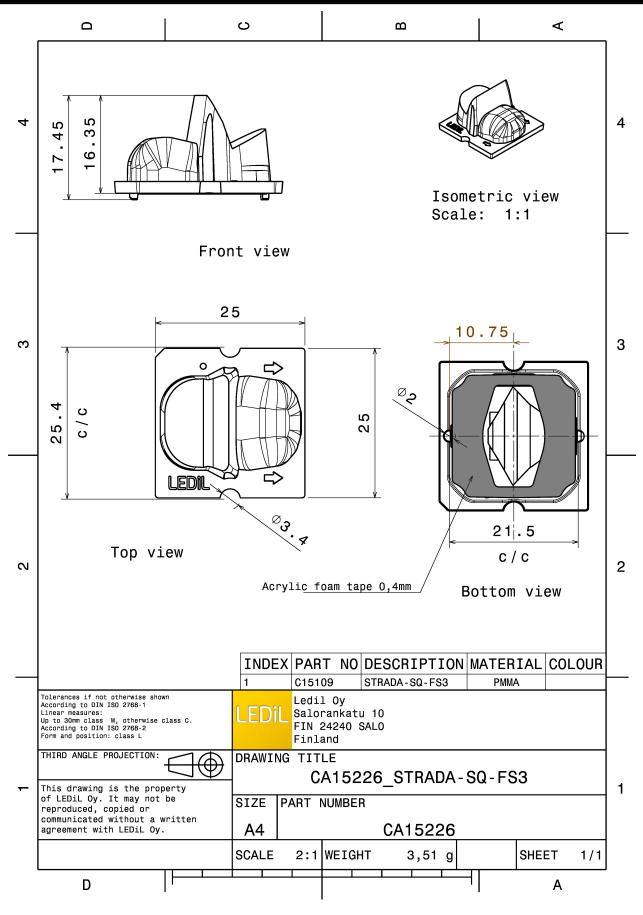
Component	Туре	Material	Colour	Finish
STRADA-SQ-FS3	Single lens	PMMA	clear	
ROSE-TAPE	Таре	Acrylic foam	black	

#### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA15226_STRADA-SQ-FS3	Single lens	1470	294	98	7.4
» Box size: 480 x 280 x 300 mm					



# PRODUCT DATASHEET CA15226\_STRADA-SQ-FS3



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



# **OPTICAL RESULTS (MEASURED):**

-		
		90° 90°
LED	MK-R	
FWHM / FWTM	125.0° / 157.0°	75* 400 75*
Efficiency	88 %	
Peak intensity	1.3 cd/lm	60° 69°
LEDs/each optic	1	1220
Light colour	White	165* 45*
Required compone	ents:	1000
		$X \rightarrow X$
		2430
		30° 15° 0° 15° 30°
	EDC	
🥙 LUMIL	.EDS	90* 90*
LED	LUXEON M/MX	W N
FWHM / FWTM	Asymmetric	75* 400 75*
Efficiency	90 %	
Peak intensity	1.2 cd/lm	60* 800 60*
LEDs/each optic	1	1200
Light colour	White	45*
Required compone	onts:	1690
		$\times$ / $\times$
		2000
		$\times$ / $\times$ /
		30° 15 <sup>5</sup> 2000 15° 30°
	EDS	
		90° - 90°
LED	LUXEON MZ	90°
LED FWHM / FWTM	LUXEON MZ Asymmetric	90°
LED	LUXEON MZ	90°
LED FWHM / FWTM Efficiency	LUXEON MZ Asymmetric	99* 97* 27* 60° 72* 60° 60*
LED FWHM / FWTM Efficiency Peak intensity	LUXEON MZ Asymmetric 91 % 2.4 cd/lm	99* 97* 72* 400 72* 60* 60*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON MZ Asymmetric 91 % 2.4 cd/lm 1	90° 91° 72° 400 72° 80° 60° 80° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON MZ Asymmetric 91 % 2.4 cd/lm 1 White	5° 1230 6°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON MZ Asymmetric 91 % 2.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON MZ Asymmetric 91 % 2.4 cd/lm 1 White	5° 159 6° 159 6° 159
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON MZ Asymmetric 91 % 2.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON MZ Asymmetric 91 % 2.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON MZ Asymmetric 91 % 2.4 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON MZ Asymmetric 91 % 2.4 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON MZ Asymmetric 91 % 2.4 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON MZ Asymmetric 91 % 2.4 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON MZ Asymmetric 91 % 2.4 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIM LED FWHM / FWTM Efficiency	LUXEON MZ Asymmetric 91 % 2.4 cd/lm 1 White ents: NV4x144A Asymmetric 91 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIM LED FWHM / FWTM Efficiency Peak intensity	LUXEON MZ Asymmetric 91 % 2.4 cd/lm 1 White ents: NV4x144A Asymmetric 91 % 1.3 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIM LED FWHM / FWTM Efficiency	LUXEON MZ Asymmetric 91 % 2.4 cd/lm 1 White ents: NV4x144A Asymmetric 91 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIM LED FWHM / FWTM Efficiency Peak intensity	LUXEON MZ Asymmetric 91 % 2.4 cd/lm 1 White ents: NV4x144A Asymmetric 91 % 1.3 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON MZ Asymmetric 91 % 2.4 cd/lm 1 White ents: NV4x144A Asymmetric 91 % 1.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Required compone Equired compone WHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON MZ Asymmetric 91 % 2.4 cd/lm 1 White ents: NV4x144A Asymmetric 91 % 1.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON MZ Asymmetric 91 % 2.4 cd/lm 1 White ents: NV4x144A Asymmetric 91 % 1.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON MZ Asymmetric 91 % 2.4 cd/lm 1 White ents: NV4x144A Asymmetric 91 % 1.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON MZ Asymmetric 91 % 2.4 cd/lm 1 White ents: NV4x144A Asymmetric 91 % 1.3 cd/lm 1 White	50 100 100 100 100 100 100 100 1



# **OPTICAL RESULTS (MEASURED):**

A		
ØNICHI∕	N Contraction of the second	90° - 90°
LED	NV4x144A	
FWHM / FWTM	Asymmetric	751
Efficiency	78 %	40
Peak intensity	1.2 cd/lm	60* 60* 60*
LEDs/each optic	1	800
Light colour	White	ar. 1000 ar
Required compone		1200
rtoquirou compone		1930
Protective	e plate, glass	1000
		30* 1800 15 <sup>5</sup> 0 <sup>6</sup> 15* 30 <sup>4</sup>
ØNICHI/	Ν	80*
LED	NVSW319B	Rev la
FWHM / FWTM	Asymmetric	750 400 750
Efficiency	90 %	
Peak intensity	2.4 cd/lm	. 60% 800 60%
LEDs/each optic	1	
Light colour	White	57 1220 27
Required compone		
noquirou compone		1650
		$\times$ $\land$ $\times$
		2000
		30° 15° 0° 15° 30°
0000414		
OSRAM		
Opto Semiconductors	Duris \$10	50° 50°
Opto Semiconductors	Duris S10	201 - 201 201 - 20
Opto Semiconductors LED FWHM / FWTM	Asymmetric	90° 90° 73° 600
opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 86 %	5°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 86 % 1.1 cd/lm	5°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 86 % 1.1 cd/lm 1	5°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 1.1 cd/lm 1 White	gr 000 07
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 86 % 1.1 cd/lm 1 White	5° 123 6°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 1.1 cd/lm 1 White	6°. 100 6°. 100 70 70 70 70 70 70 70 70 70 70 70 70 7
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 1.1 cd/lm 1 White	6, 10,0 6, 10,0 6, 0,0 7, 0,0,0 7, 0,0 7, 0,0 7,0 7,0,0 7,0,0 7,0,0 7,0,0 7,0,0 7,0,0 7,0,0 7,0,0 7,0,0 7,0,0 7,0,
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 1.1 cd/lm 1 White	21, 20, 20, 12, 20, 20, 20, 20, 20, 20, 20, 20, 20, 2
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 86 % 1.1 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 86 % 1.1 cd/lm 1 White ents:	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED	Asymmetric 86 % 1.1 cd/lm 1 White ents: OSLON Square PC	90° 1000 1
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED FWHM / FWTM	Asymmetric 86 % 1.1 cd/lm 1 White ents: OSLON Square PC Asymmetric	90° 1000 1
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 86 % 1.1 cd/lm 1 White ents: OSLON Square PC Asymmetric 91 %	90° 1000 1
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 86 % 1.1 cd/lm 1 White ents: OSLON Square PC Asymmetric 91 % 3.1 cd/lm	16 <sup>5</sup> 20 <sup>4</sup> 20 <sup>4</sup>
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 86 % 1.1 cd/lm 1 White ents: OSLON Square PC Asymmetric 91 % 3.1 cd/lm 1	100 100 100 100 100 100 100 100
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 1.1 cd/lm 1 White ents: OSLON Square PC Asymmetric 91 % 3.1 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 86 % 1.1 cd/lm 1 White ents: OSLON Square PC Asymmetric 91 % 3.1 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 1.1 cd/lm 1 White ents: OSLON Square PC Asymmetric 91 % 3.1 cd/lm 1 White	
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 1.1 cd/lm 1 White ents: OSLON Square PC Asymmetric 91 % 3.1 cd/lm 1 White	100 100 100 100 100 100 100 100
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 1.1 cd/lm 1 White ents: OSLON Square PC Asymmetric 91 % 3.1 cd/lm 1 White	169 50° 15° 50° 50° 50° 50° 60° 60°



CREE ≑		
LEDS		90* 90*
	XHP50.2	750 770
FWHM / FWTM	Asymmetric	
Efficiency	90 %	60 <sup>4</sup> 800 60 <sup>4</sup> .
Peak intensity	1.2 cd/lm	X/TVX
LEDs/each optic		1200
Light colour	White	-6°
Required components:		1600
		2000
		30* 15° 30*
		90* 90*
	XHP50.2	730 750
FWHM / FWTM	Asymmetric 80 %	400
Efficiency	00 % 1.1 cd/lm	60* 60*
Peak intensity	1	80
LEDs/each optic Light colour	White	
Required components:	wille	45* 45*
Required components.		$\times$ / $\times$
Protective plate	e, glass	1600
		$\times$ / $\setminus$ $\times$
		30* 30*
		15' 3%0 15'
CREE <del>\$</del>		
	<u>ХНР70</u>	
LED	XHP70 Asymmetric	THY YHI
LED FWHM / FWTM	Asymmetric	
LED FWHM / FWTM Efficiency	Asymmetric 77 %	100 100 100 100 100 100 100 100 100 100
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 77 % 0.9 cd/lm	201 201 201 201 201 201 201 201
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 77 % 0.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 77 % 0.9 cd/lm	201 201 201 201 201 201 201 201
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 77 % 0.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 77 % 0.9 cd/lm 1 White	101 101 101 101 101 101 101 101
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 77 % 0.9 cd/lm 1 White	100 100 100 100 100 100 100 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 77 % 0.9 cd/lm 1 White	50° 500 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 77 % 0.9 cd/lm 1 White	2
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 77 % 0.9 cd/lm 1 White	2
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 77 % 0.9 cd/lm 1 White P, glass XM-L2	2
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 77 % 0.9 cd/lm 1 White	2
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 77 % 0.9 cd/lm 1 White P, glass XM-L2 Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 77 % 0.9 cd/lm 1 White e, glass XM-L2 Asymmetric 88 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate CREE LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 77 % 0.9 cd/lm 1 White a, glass XM-L2 Asymmetric 88 % 2 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 77 % 0.9 cd/lm 1 White a, glass XM-L2 Asymmetric 88 % 2 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 77 % 0.9 cd/lm 1 White a, glass XM-L2 Asymmetric 88 % 2 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 77 % 0.9 cd/lm 1 White a, glass XM-L2 Asymmetric 88 % 2 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 77 % 0.9 cd/lm 1 White a, glass XM-L2 Asymmetric 88 % 2 cd/lm 1	



CREE ≑		THY KHI
LEDS		90° 90°
LED	XP-G3	75°
FWHM / FWTM	Asymmetric	20
Efficiency	90 %	60° 60°
Peak intensity	1.7 cd/lm	1200
LEDs/each optic	1	
Light colour	White	45* 45*
Required components:		2000
		2400
		2000
		30* 30*
		90 <sup>+</sup>
LED	XP-G3	400
FWHM / FWTM	Asymmetric	73.0
Efficiency	86 %	200
Peak intensity	1.8 cd/lm	12200
LEDs/each optic	1	
Light colour	Red	45* 1600 45*
Required components:		2000
		2450
		200
		15 <sup>2</sup> 0 <sup>0</sup> 15 <sup>4</sup>
		90" Bo"
	XT-E	90°
LED	XT-E Asymmetric	90° 92° 20° 40° 72°
LED FWHM / FWTM	Asymmetric	90° 90° 90° 90° 90° 90° 90° 90° 90° 90°
LED FWHM / FWTM Efficiency	Asymmetric 87 %	2 <sup>31</sup> 80 60
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 87 % 2.5 cd/lm	78°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 87 % 2.5 cd/lm 1	2 <sup>31</sup> 80 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 87 % 2.5 cd/lm	554 554 550 550 550
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 87 % 2.5 cd/lm 1	27* 75* 200 60* 200 67* 200 67* 200 67*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 87 % 2.5 cd/lm 1	5°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 87 % 2.5 cd/lm 1	27* 75* 200 60* 200 67* 200 67* 200 67*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 87 % 2.5 cd/lm 1	27* 75* 200 60* 200 67* 200 67* 200 67*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 87 % 2.5 cd/lm 1 White	200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 87 % 2.5 cd/lm 1 White	200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 87 % 2.5 cd/lm 1 White S LUXEON 5050 Round LES	200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 87 % 2.5 cd/lm 1 White S LUXEON 5050 Round LES Asymmetric	524 500 500 500 500 500 500 500 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 87 % 2.5 cd/lm 1 White S LUXEON 5050 Round LES Asymmetric 88 %	200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 87 % 2.5 cd/lm 1 White S LUXEON 5050 Round LES Asymmetric 88 % 1.5 cd/lm	524 500 500 500 500 500 500 500 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>CONTINUED</b> ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 87 % 2.5 cd/lm 1 White S LUXEON 5050 Round LES Asymmetric 88 % 1.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 87 % 2.5 cd/lm 1 White S LUXEON 5050 Round LES Asymmetric 88 % 1.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>CONTINUED</b> ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 87 % 2.5 cd/lm 1 White S LUXEON 5050 Round LES Asymmetric 88 % 1.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 87 % 2.5 cd/lm 1 White S LUXEON 5050 Round LES Asymmetric 88 % 1.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 87 % 2.5 cd/lm 1 White S LUXEON 5050 Round LES Asymmetric 88 % 1.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 87 % 2.5 cd/lm 1 White S LUXEON 5050 Round LES Asymmetric 88 % 1.5 cd/lm 1	



	)S	THAT FH
	LUXEON 5050 Square LES	90* 91
LED FWHM / FWTM		1750 400
Efficiency	Asymmetric 86 %	
	60 % 1.5 cd/lm	50°
Peak intensity LEDs/each optic	1	X 1250
Light colour	White	$\times \times /   \times \rangle$
Required components:	Wille	. 45* 1650
required components.		2000
		2400
		30* <u>15</u> ° 2800 15* 3
	)S	90*
LED	LUXEON 7070	
FWHM / FWTM	Asymmetric	73° 200
Efficiency	76 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		800
		1000
Protective plate	e, glass	
		1200
		200 123 <sup>5</sup> 0° 13°
COMILED	)S	90*
LED	LUXEON M/MX	
FWHM / FWTM	Asymmetric	750 7
	Asymmetric	400
Efficiency	76 %	400
Efficiency Peak intensity		
	76 %	
Peak intensity	76 % 1 cd/lm	
Peak intensity LEDs/each optic	76 % 1 cd/lm 1	89 90 -07
Peak intensity LEDs/each optic Light colour Required components:	76 % 1 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour	76 % 1 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required components:	76 % 1 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required components: Protective plate	76 % 1 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required components: Protective plate	76 % 1 cd/lm 1 White , glass	
Peak intensity LEDs/each optic Light colour Required components: Protective plate	76 % 1 cd/lm 1 White s, glass SFT-40-WCS	100 100 100 100 100 100 100 100 100
Peak intensity LEDs/each optic Light colour Required components: Protective plate	76 % 1 cd/m 1 White p, glass SFT-40-WCS Asymmetric	
Peak intensity LEDs/each optic Light colour Required components: Protective plate	76 % 1 cd/m 1 White P, glass SFT-40-WCS Asymmetric 89 %	100 100 100 100 100 100 100 100 100
Peak intensity LEDs/each optic Light colour Required components: Protective plate EDE FWHM / FWTM Efficiency Peak intensity	76 % 1 cd/m 1 White a, glass SFT-40-WCS Asymmetric 89 % 2.3 cd/m	
Peak intensity LEDs/each optic Light colour Required components: Protective plate EDE FWHM / FWTM Efficiency Peak intensity LEDs/each optic	76 % 1 cd/m 1 White a, glass SFT-40-WCS Asymmetric 89 % 2.3 cd/m 1	904 224 900 900 100 100 100 100
Peak intensity LEDs/each optic Light colour Required components: Protective plate EDE FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	76 % 1 cd/m 1 White a, glass SFT-40-WCS Asymmetric 89 % 2.3 cd/m	100 100 100 100 100 100 100 100 100 100
Peak intensity LEDs/each optic Light colour Required components: Protective plate EDE FWHM / FWTM Efficiency Peak intensity LEDs/each optic	76 % 1 cd/m 1 White a, glass SFT-40-WCS Asymmetric 89 % 2.3 cd/m 1	
Peak intensity LEDs/each optic Light colour Required components: Protective plate EDE FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	76 % 1 cd/m 1 White a, glass SFT-40-WCS Asymmetric 89 % 2.3 cd/m 1	
Peak intensity LEDs/each optic Light colour Required components: Protective plate EDE FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	76 % 1 cd/m 1 White a, glass SFT-40-WCS Asymmetric 89 % 2.3 cd/m 1	



(ca		
	JS	90° 90
LED	SFT-40-WCS	
FWHM / FWTM	Asymmetric	736
Efficiency	74 %	
Peak intensity	1.6 cd/lm	1230
LEDs/each optic	1	$X \times I \times X$
Light colour	White	45* 1500
Required components:		200
Protective plate	, glass	2430
		30 <sup>+</sup> 13 <sup>5</sup> 0 <sup>+</sup> 15 <sup>+</sup> 30
	S	9** 90
LED	SFT-70X-WCS	
FWHM / FWTM	Asymmetric	73* 400 75
Efficiency	89 %	
Peak intensity	2 cd/lm	.60* <u>1220</u> 60'
LEDs/each optic	1	1630
Light colour	White	45' 2000 45'
Required components:		
		24/50
		X 7 200 X
		320
		(30° 15 <sup>2</sup> 0° 15 <sup>8</sup> 30°
	JS	90* 90*
LED	SFT-70X-WCS	
FWHM / FWTM	Asymmetric	750 400 770
Efficiency	74%	80
Peak intensity	1.5 cd/lm	60 <sup>4</sup>
LEDs/each optic	1	1220
Light colour	White	45* 1600 45
Required components:		
Protective plate	, glass	2430
		30° 2800 30 0° 10° 30°
<b>Μ</b> ΝΙCΗΙΛ		
LED	NVSxE21A	90*90
		720 400 77
F(M) HM / $F(M)$ TM	Asymmetric	
FWHM / FWTM	Asymmetric	200
Efficiency	89 %	60 <sup>4</sup> 1220 60
Efficiency Peak intensity	89 % 2.1 cd/lm	
Efficiency Peak intensity LEDs/each optic	89 % 2.1 cd/lm 1	60 <sup>5</sup> 1225 6 3052
Efficiency Peak intensity LEDs/each optic Light colour	89 % 2.1 cd/lm	50° 1329 60 5050 60° 2000 e
Efficiency Peak intensity LEDs/each optic	89 % 2.1 cd/lm 1	61 <sup>×</sup> 100 6 100 61 <sup>×</sup> 300 61 <sup>×</sup> 300 300
Efficiency Peak intensity LEDs/each optic Light colour	89 % 2.1 cd/lm 1	50° 1329 60 5050 60° 2000 e
Efficiency Peak intensity LEDs/each optic Light colour	89 % 2.1 cd/lm 1	61 <sup>×</sup> 11 <sup>×</sup> 60 167 61 <sup>×</sup> 300 62 300 300 61



MICHIΛ		
LED	NVSxx19B/NVSxx19C	80
FWHM / FWTM	Asymmetric	73% 400 73%
Efficiency	90 %	810
Peak intensity	2.2 cd/lm	.60 <sup>4</sup> 50 <sup>4</sup>
LEDs/each optic	1	
Light colour	White	5° 1000
Required components:		200
		2400
		90* 30* 30* 15 <sup>5</sup> 0 <sup>6</sup> 15*
OSRAM Opto Semiconductors		80°
LED	OSCONIQ P 7070	
FWHM / FWTM	Asymmetric	73* 400 77*
Efficiency	85 %	
Peak intensity	1.4 cd/lm	.50 <sup>4</sup> 800 50 <sup>4</sup>
LEDs/each optic	1	
Light colour	White	45*
Required components:		1530
Drotostivo ploto		$\times$ $\setminus$ $\times$
Protective plate	, glass	2000
		30* <u>15</u> * <u>0</u> * <u>15</u> * <u>30</u> *
OSRAM Opto Semiconductors		90*
LED	OSCONIQ P 7070	
FWHM / FWTM	Asymmetric	73* 400 772*
Efficiency	94 %	
Peak intensity	1.4 cd/lm	.60 <sup>4</sup> <u>800</u> 60 <sup>4</sup> .
LEDs/each optic	1	1200
Light colour	White	45* 55*
Required components:		1000
		2000
		30* 15 <sup>5</sup> 30* 30*
OSRAM		
Opto Semiconductors		90* 90*
LED	OSLON Square CSSRM2/CSSRM3	236 400 75!
FWHM / FWTM	Asymmetric	800
Efficiency	90 %	50 <sup>4</sup> 1220 50 <sup>4</sup>
Peak intensity	2.2 cd/lm	
LEDs/each optic	1 White	$X \times T \times X$
Light colour Required components:	wine	· · · · · · · · · · · · · · · · · · ·
Required components:		200
		200
		330



r		
OSRAM		
Opto Semiconductors		90* 90*
LED	OSLON Square EC	776 400 776
FWHM / FWTM	Asymmetric	
Efficiency	89 %	
Peak intensity	2.1 cd/lm	1220
LEDs/each optic	1	1600
Light colour	White	45* 2000 45*
Required components:		2450
		000
		3200
		30° 15° 30°
OSRAM		
Opto Semiconductors		90* 90*
		790 780
LED	SFH 4715AS	300
FWHM / FWTM	Asymmetric	50* Sot
Efficiency	87 %	1000
LEDs/each optic	1	$\times$
Light colour	IR	45 <sup>+</sup>
Required components:		2430
		3200
		30° 15° 0° 15° 30°
OSRAM		
Opto Semiconductors		90*
LED	SFH 4716AS	75° 400 75°
FWHM / FWTM		800
	Asymmetric	50" <u>1220</u> 69*
I Efficiency		
Efficiency	87 %	1600
LEDs/each optic	1	2000
LEDs/each optic Light colour		5° 2000 - 5°
LEDs/each optic	1	e <sup>1</sup> 300 e <sup>2</sup>
LEDs/each optic Light colour	1	6° 2000 6° 40° 40° 40° 40° 40° 40° 40° 40° 40° 40
LEDs/each optic Light colour	1	e <sup>1</sup> 300 e <sup>2</sup>
LEDs/each optic Light colour	1	40° - 2000 - 40° - 2000
LEDs/each optic Light colour Required components:	1 IR	6° 2000 6° 40° 40° 40° 40° 40° 40° 40° 40° 40° 40
LEDs/each optic Light colour Required components:	1 IR	5° 2000 300 300 300 300 300 300 300
LEDs/each optic Light colour Required components:	1 IR G	40° - 2000 - 40° - 2000
LEDs/each optic Light colour Required components:	1 IR G LH181B	5° 2000 300 300 300 300 300 300 300
LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM	1 IR G LH181B Asymmetric	97 67 309 309 309 309 309 309 309 309
LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency	1 IR G LH181B Asymmetric 87 %	97 67 309 309 309 309 309 309 309 309
LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity	1 IR G LH181B Asymmetric 87 % 1.2 cd/lm	40°
LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	1 IR G LH181B Asymmetric 87 % 1.2 cd/lm 4	er 2009 00 2009 00 00 00 00 00 00 00 00 00
LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 IR G LH181B Asymmetric 87 % 1.2 cd/lm	-0° -000 -000 -0° -0° -000 -0° -0° -0° -
LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	1 IR G LH181B Asymmetric 87 % 1.2 cd/lm 4	er 2009 00 2009 00 00 00 00 00 00 00 00 00
LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 IR G LH181B Asymmetric 87 % 1.2 cd/lm 4	
LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 IR G LH181B Asymmetric 87 % 1.2 cd/lm 4	
LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 IR G LH181B Asymmetric 87 % 1.2 cd/lm 4	



SAMSU	NG	90 <sup>1</sup> 30 <sup>2</sup> 90 <sup>4</sup>
LED	LH351D	
FWHM / FWTM	Asymmetric	721 400 72
Efficiency	87 %	
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	120
Light colour	White	ar 100 ar
Required component	s:	
		2002
		209
		10° 10° 10° 10°



# PRODUCT DATASHEET CA15226\_STRADA-SQ-FS3

#### **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:

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