

# PRODUCT DATASHEET CA13752\_STRADA-SQ-FT

# STRADA-SQ-FT

Forward throw beam for area lighting. Assembly with installation tape. Version with location pins.

#### **SPECIFICATION:**

Dimensions	25.0 x 25.0 mm
Height	12.7 mm
Fastening	pin, screw, tape
ROHS compliant	yes 🛈



#### **MATERIALS:**

**Component** STRADA-SQ-FT ROSE-TAPE

Туре	
Single lens	
Таре	

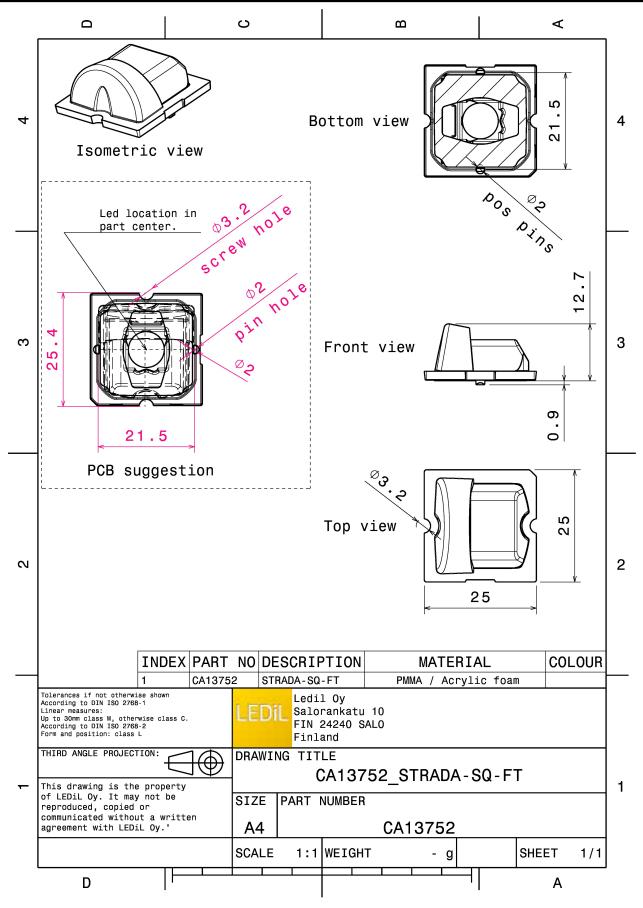
Material	Colour	Finish
PMMA	clear	
Acrylic foam	black	

### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA13752_STRADA-SQ-FT	Single lens	1568	294	98	7.2
» Box size: 480 x 280 x 300 mm					



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



# **OPTICAL RESULTS (MEASURED):**

LED	MK-R	
FWHM / FWTM	Asymmetric	75° 76°
Efficiency	89 %	200
Peak intensity	0.6 cd/lm	50 <sup>4</sup> 60*
LEDs/each optic	1	400
Light colour	White	45* 65*
Required compone		60
		90
		<sup>130°</sup> 13 <sup>5</sup> 0 <sup>°</sup> 15 <sup>°</sup> 33 <sup>°°</sup>
		50° 50°
LED	XHP50	9
FWHM / FWTM	Asymmetric	751 751
Efficiency	90 %	200
Peak intensity	0.6 cd/lm	60*
LEDs/each optic	1	400
Light colour	White	.67
Required compone	nts:	
		660
		$\times$ $\land$ $\times$
		800
		12 <sup>5</sup> 0 <sup>6</sup> 15 <sup>6</sup>
		90° 90°
LED	XM-L	
	Asymmetric	
FWHM / FWTM	Asymmetric	200 750
FWHM / FWTM Efficiency	90 %	200
		20 60 <sup>4</sup> 600
Efficiency Peak intensity LEDs/each optic	90 % 0.7 cd/lm 1	20 - 72 50 <sup>4</sup> - 60
Efficiency Peak intensity LEDs/each optic Light colour	90 % 0.7 cd/lm 1 White	20 72 00 72 00 00 72 00 00 00 00 00 00 00 00 00 00 00 00 00
Efficiency Peak intensity LEDs/each optic	90 % 0.7 cd/lm 1 White	20 60 60 60 60 67
Efficiency Peak intensity LEDs/each optic Light colour	90 % 0.7 cd/lm 1 White	20 60 <sup>-</sup> 60 <sup>-</sup>
Efficiency Peak intensity LEDs/each optic Light colour	90 % 0.7 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour	90 % 0.7 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	90 % 0.7 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	90 % 0.7 cd/lm 1 White nts:	201     201     201       60     60     60       60     60     60       60     60     60       60     60     60       60     60     60
Efficiency Peak intensity LEDs/each optic Light colour Required compone	90 % 0.7 cd/m 1 White hts: XP-L HD	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	90 % 0.7 cd/m 1 White hts: XP-L HD Asymmetric	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	90 % 0.7 cd/m 1 White nts: XP-L HD Asymmetric 91 %	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	90 % 0.7 cd/m 1 White hts: XP-L HD Asymmetric 91 % 0.7 cd/m	
Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE E E E E E E E E E E S E E D F WHM / F WTM Efficiency Peak intensity LEDs/each optic	90 % 0.7 cd/m 1 White hts: XP-L HD Asymmetric 91 % 0.7 cd/m 1	
Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE E E E E E E E E E E S E E D F WHM / F WTM Efficiency Peak intensity LEDs/each optic Light colour	90 % 0.7 cd/m 1 White TS: XP-L HD Asymmetric 91 % 0.7 cd/m 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE E E E E E E E E E E S E E D F WHM / F WTM Efficiency Peak intensity LEDs/each optic	90 % 0.7 cd/m 1 White TS: XP-L HD Asymmetric 91 % 0.7 cd/m 1 White	50°
Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE E E E E E E E E E E S E E D F WHM / F WTM Efficiency Peak intensity LEDs/each optic Light colour	90 % 0.7 cd/m 1 White TS: XP-L HD Asymmetric 91 % 0.7 cd/m 1 White	50°
Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE E E E E E E E E E E S E E D F WHM / F WTM Efficiency Peak intensity LEDs/each optic Light colour	90 % 0.7 cd/m 1 White TS: XP-L HD Asymmetric 91 % 0.7 cd/m 1 White	50°
Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	90 % 0.7 cd/m 1 White TS: XP-L HD Asymmetric 91 % 0.7 cd/m 1 White	50°



# **OPTICAL RESULTS (MEASURED):**

CREE ≑		90*
LED LEDS	XP-L2	*
FWHM / FWTM	Asymmetric	75* 75*
Efficiency	90 %	200
Peak intensity	90 % 0.7 cd/lm	60* 60*
		400
LEDs/each optic	1	
Light colour	White	45 <sup>+</sup> 65 <sup>+</sup>
Required compone	ints:	
		800
		30° 15° 30°
	EDS	
		90° 90°
LED	LUXEON M/MX	
FWHM / FWTM	Asymmetric	200
Efficiency	88 %	664 604
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	400
Light colour	White	45* 45*
Required compone	ents:	600
		30* 10 <sup>4</sup> 30* 30*
	EDS	
LED	LUXEON MZ	
LED FWHM / FWTM	LUXEON MZ Asymmetric	
LED FWHM / FWTM Efficiency	LUXEON MZ Asymmetric 90 %	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON MZ Asymmetric 90 % 0.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON MZ Asymmetric 90 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON MZ Asymmetric 90 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON MZ Asymmetric 90 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON MZ Asymmetric 90 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON MZ Asymmetric 90 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON MZ Asymmetric 90 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON MZ Asymmetric 90 % 0.7 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON MZ Asymmetric 90 % 0.7 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON MZ Asymmetric 90 % 0.7 cd/lm 1 White ents: EDS LUXEON XR-M Linear (L2M0-xxxx003MC3300)	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON MZ Asymmetric 90 % 0.7 cd/lm 1 White ents: EDS LUXEON XR-M Linear (L2M0-xxxx003MC3300) Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON MZ Asymmetric 90 % 0.7 cd/lm 1 White ents: EDS LUXEON XR-M Linear (L2M0-xxxx003MC3300) Asymmetric 92 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Weak intensity	LUXEON MZ Asymmetric 90 % 0.7 cd/lm 1 White ents: EDS LUXEON XR-M Linear (L2M0-xxxx003MC3300) Asymmetric 92 % 0.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Weak intensity LEDs/each optic	LUXEON MZ Asymmetric 90 % 0.7 cd/lm 1 White ents: EDS LUXEON XR-M Linear (L2M0-xxxx003MC3300) Asymmetric 92 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition Required compone Composition LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON MZ Asymmetric 90 % 0.7 cd/lm 1 White ents: EDS LUXEON XR-M Linear (L2M0-xxxx003MC3300) Asymmetric 92 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Wequired compone Efficiency Peak intensity LEDs/each optic	LUXEON MZ Asymmetric 90 % 0.7 cd/lm 1 White ents: EDS LUXEON XR-M Linear (L2M0-xxxx003MC3300) Asymmetric 92 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition Required compone Composition LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON MZ Asymmetric 90 % 0.7 cd/lm 1 White ents: EDS LUXEON XR-M Linear (L2M0-xxxx003MC3300) Asymmetric 92 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition Required compone Composition LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON MZ Asymmetric 90 % 0.7 cd/lm 1 White ents: EDS LUXEON XR-M Linear (L2M0-xxxx003MC3300) Asymmetric 92 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition Required compone Composition LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON MZ Asymmetric 90 % 0.7 cd/lm 1 White ents: EDS LUXEON XR-M Linear (L2M0-xxxx003MC3300) Asymmetric 92 % 0.7 cd/lm 1 White	



# **OPTICAL RESULTS (MEASURED):**

M		
<b>ØNICHI</b>		90* 90*
LED	NVSW319B	
FWHM / FWTM	Asymmetric	75* 200 76*
Efficiency	90 %	
Peak intensity	0.7 cd/lm	507 504
LEDs/each optic	1	X/T X
Light colour	White	45* 45*
Required compone	ints:	600
		800
		30° 35° 160 25° 30°
		100
OCDAM		
OSRAM Opto Semiconductors		50° 50°
	Duris S10	<u>9</u> <sup>1</sup>
Opto Semiconductors	Duris S10 Asymmetric	3)* 9)* 9)*
Opto Semiconductors		71 72
opto Semiconductors LED FWHM / FWTM	Asymmetric	
<sup>opto Semiconductors</sup> LED FWHM / FWTM Efficiency	Asymmetric 89 %	71 72
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 89 % 0.6 cd/lm	71 72
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 89 % 0.6 cd/lm 1 White	20 65 <sup>4</sup> 00 00
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 89 % 0.6 cd/lm 1 White	20 65 <sup>4</sup> 00 00
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 89 % 0.6 cd/lm 1 White	20 65 <sup>4</sup> 00 00
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 89 % 0.6 cd/lm 1 White	20 65 <sup>4</sup> 00 00



		90*
LED	MX-3	73° 73°
FWHM / FWTM	Asymmetric	
Efficiency	90 %	50° 400 50°
LEDs/each optic	1	$\vee \times / \wedge \times \vee$
Light colour	White	45* 800 45*
Required components:		
		1000
		30* 11 <sup>5</sup> 0 <sup>6</sup> 11 <sup>5</sup> 30*
LEDS		90* 90*
LED	MX-6	720 770
FWHM / FWTM	Asymmetric	
Efficiency	90 %	.60* 60*
LEDs/each optic	1	
Light colour	White	
Required components:		
		810
		$\times$
		1000
		33° 15 <sup>2</sup> 0° 15 <sup>*</sup>
		aut
LED	XHP50.3 HD	
LED FWHM / FWTM	XHP50.3 HD Asymmetric	750
FWHM / FWTM	Asymmetric	200 PT
FWHM / FWTM Efficiency	Asymmetric 90 %	
FWHM / FWTM	Asymmetric	
FWHM / FWTM Efficiency Peak intensity	Asymmetric 90 % 0.7 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 90 % 0.7 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 0.7 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 0.7 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 0.7 cd/lm 1	800 800
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 90 % 0.7 cd/lm 1	60
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 90 % 0.7 cd/lm 1 White	900 900 900
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 90 % 0.7 cd/lm 1 White XHP50.3 HI	800 500 100 100 100 100 100 100 100 100 1
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 90 % 0.7 cd/lm 1 White XHP50.3 HI Asymmetric	800 500 100 100 100 100 100 100 100 100 1
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 90 % 0.7 cd/lm 1 White XHP50.3 HI Asymmetric 92 %	800 500 100 100 100 100 100 100 100 100 1
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE ED FWHM / FWTM Efficiency Peak intensity	Asymmetric 90 % 0.7 cd/lm 1 White XHP50.3 HI Asymmetric 92 % 0.7 cd/lm	800 900 10 <sup>2</sup> 10 <sup>2</sup> 10 <sup>2</sup> 30 <sup>2</sup>
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 90 % 0.7 cd/lm 1 White XHP50.3 HI Asymmetric 92 % 0.7 cd/lm 1	800 900 10 <sup>2</sup> 10 <sup>2</sup> 10 <sup>2</sup> 30 <sup>2</sup>
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 0.7 cd/lm 1 White XHP50.3 HI Asymmetric 92 % 0.7 cd/lm	800 500 100 100 100 100 100 100 100 100 1
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 90 % 0.7 cd/lm 1 White XHP50.3 HI Asymmetric 92 % 0.7 cd/lm 1	800 500 100 100 100 100 100 100 100 100 1
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 0.7 cd/lm 1 White XHP50.3 HI Asymmetric 92 % 0.7 cd/lm 1	800 500 100 100 100 100 100 100 100 100 1
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 0.7 cd/lm 1 White XHP50.3 HI Asymmetric 92 % 0.7 cd/lm 1	800 500 100 100 100 100 100 100 100 100 1



LEDS		······································
LED	XM-L2	70
FWHM / FWTM	Asymmetric	
	90 %	504
Efficiency		
LEDs/each optic	1	
Light colour	White	45' 600
Required components:		
		000
		30*
		215 <sup>1</sup> 0 <sup>1</sup> 12 <sup>2</sup>
		90*
LED	XP-G2	73%
FWHM / FWTM	Asymmetric	
Efficiency	89 %	66° × / 400 6
LEDs/each optic	1	X X X
Light colour	White	6° c
Required components:		
		1200
		30° 15° 30'
CREE ÷		
	VD C2	
LED	XP-G3	
CREE LED FWHM / FWTM	Asymmetric	
LED FWHM / FWTM Efficiency	Asymmetric 91 %	
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 91 % 0.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 91 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.8 cd/lm	
LED	Asymmetric 91 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.8 cd/lm 1 Red	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.8 cd/lm 1 Red XP-G3	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.8 cd/lm 1 Red XP-G3 Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.8 cd/lm 1 Red XP-G3 Asymmetric 76 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.8 cd/lm 1 Red XP-G3 Asymmetric 76 % 0.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREECS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 91 % 0.8 cd/lm 1 Red XP-G3 Asymmetric 76 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREEES LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.8 cd/lm 1 Red XP-G3 Asymmetric 76 % 0.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.8 cd/lm 1 Red XP-G3 Asymmetric 76 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREEES LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.8 cd/lm 1 Red XP-G3 Asymmetric 76 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREEES LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.8 cd/lm 1 Red XP-G3 Asymmetric 76 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREEES LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.8 cd/lm 1 Red XP-G3 Asymmetric 76 % 0.7 cd/lm 1 White	



		90*
	XP-L2	
	Asymmetric	73*
	76 %	200
	0.6 cd/lm	604 601
LEDs/each optic	1	400
	White	45° 65°
Required components:		
		$\vee$ / $\top$ / $\vee$
Protective plate,	glass	
		80* B0*
	XT-E	
FWHM / FWTM	Asymmetric	730 790
Efficiency	93 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 400 45*
Required components:		
		660
		700
1		
	-	
	S	100 <sup>1</sup>
	S LUXEON 7070	99 <sup>1</sup> 9 <sup>1</sup> 9 <sup>1</sup> 9 <sup>1</sup>
LED		23 <sup>4</sup> 0 <sup>4</sup> 13 <sup>4</sup> 0 <sup>5</sup>
LED FWHM / FWTM Efficiency	LUXEON 7070 Asymmetric 79 %	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON 7070 Asymmetric	20 <sup>1</sup> 20 <sup>1</sup> 0 <sup>1</sup> 10 <sup>1</sup> 0 <sup>1</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 7070 Asymmetric 79 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 7070 Asymmetric 79 % 0.6 cd/lm	20 20 40 40 40 40 40 40 40 40 40 4
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 7070 Asymmetric 79 % 0.6 cd/lm 1	6 <sup>14</sup> 6 <sup>34</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 Asymmetric 79 % 0.6 cd/lm 1 White	6 <sup>14</sup> 6 <sup>34</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 7070 Asymmetric 79 % 0.6 cd/lm 1 White	6 <sup>14</sup> 6 <sup>34</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 Asymmetric 79 % 0.6 cd/lm 1 White	50 <sup>4</sup> 30 50 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate,	LUXEON 7070 Asymmetric 79 % 0.6 cd/lm 1 White	60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate,	LUXEON 7070 Asymmetric 79 % 0.6 cd/lm 1 White glass	6° 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate, ED	LUXEON 7070 Asymmetric 79 % 0.6 cd/lm 1 White glass S LUXEON M/MX	6° 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate, Protective plate, LED FWHM / FWTM	LUXEON 7070 Asymmetric 79 % 0.6 cd/lm 1 White glass S LUXEON M/MX Asymmetric	60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate, Protective plate, ED FWHM / FWTM Efficiency	LUXEON 7070 Asymmetric 79 % 0.6 cd/lm 1 White glass S LUXEON M/MX Asymmetric 78 %	60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate, Protective plate, ED FWHM / FWTM Efficiency Peak intensity	LUXEON 7070 Asymmetric 79 % 0.6 cd/lm 1 White glass S LUXEON M/MX Asymmetric 78 % 0.6 cd/lm	6° 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate, Vertice plate, ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 7070 Asymmetric 79 % 0.6 cd/lm 1 White glass S LUXEON M/MX Asymmetric 78 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate, Components Protective plate, FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 7070 Asymmetric 79 % 0.6 cd/lm 1 White glass S LUXEON M/MX Asymmetric 78 % 0.6 cd/lm	6° 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate, Vertice plate, ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 7070 Asymmetric 79 % 0.6 cd/lm 1 White glass S LUXEON M/MX Asymmetric 78 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate, Why FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 Asymmetric 79 % 0.6 cd/lm 1 White glass S LUXEON M/MX Asymmetric 78 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate, Components Protective plate, FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 7070 Asymmetric 79 % 0.6 cd/lm 1 White glass S LUXEON M/MX Asymmetric 78 % 0.6 cd/lm 1 White	



r		
	JS	90* 90+
LED	SFT-40-WCS	
FWHM / FWTM	Asymmetric	75° 200 75°
Efficiency	78 %	
Peak intensity	0.7 cd/lm	50* 60*
LEDs/each optic	1	
Light colour	White	45" 670 45*
Required components:		$\times$
		000
Protective plate	e, glass	
		30 <sup>9</sup> 19 <sup>3</sup> 0 <sup>6</sup> 19 <sup>4</sup> 30 <sup>4</sup>
	JS	
LED	SFT-40-WCS	90°
FWHM / FWTM	Asymmetric	75° 200 75°
Efficiency	93 %	
Peak intensity	0.9 cd/lm	60* 400 604
LEDs/each optic	1	
Light colour	White	45° 45%
Required components:		80
		1000
		1200
		30* 13 <sup>5</sup> 0° 15* 30*
	JS	
LED	SFT-70X-WCS	
FWHM / FWTM	Asymmetric	75° 200 75°
Efficiency	93 %	
Peak intensity	0.8 cd/lm	50 <sup>4</sup> 400 50*
LEDs/each optic	1	
Light colour	White	45* 610
Required components:		800
		$\times$ / $\times$
		1000
		30° 30°
	15	12) 12) 120 130 130 10 10 10 10 10 10 10 10 10 10 10 10 10
		90* 90*
LED FWHM / FWTM	SFT-70X-WCS	75° 75'
	Anymmetric	
	Asymmetric	200
Efficiency	78 %	200
Efficiency Peak intensity	78 % 0.7 cd/lm	60° 60° 60°
Efficiency Peak intensity LEDs/each optic	78 % 0.7 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour	78 % 0.7 cd/lm	65 60 67
Efficiency Peak intensity LEDs/each optic	78 % 0.7 cd/lm 1	65 <u>60</u> 65
Efficiency Peak intensity LEDs/each optic Light colour Required components:	78 % 0.7 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour	78 % 0.7 cd/lm 1 White	



ΝΙCΗΙΛ		90*
	IVSxE21A	
	symmetric	134
	8%	200
	.6 cd/lm	.60 <sup>4</sup>
EDs/each optic 4		400
	Vhite	45*
equired components:		500
Protective plate, g	lass	
		30* 15 <sup>5</sup> 0 <sup>4</sup> 10*
ΟΝΙΟΗΙΛ		20*
ED N	IVSxE21A	4
NHM / FWTM A	symmetric	731
ficiency 9	1 %	
eak intensity 0	.6 cd/lm	50*
EDs/each optic 9		
0	Vhite	45"
equired components:		
		30*
ΝΙΟΗΙΛ		13 <sup>3</sup> 0 <sup>6</sup> 13 <sup>5</sup>
		30*
	IVSxE21A	75°
	symmetric	
•	8 % 5	504
	.5 cd/lm	
EDs/each optic 9		
-	Vhite	45* 400
equired components:		
Protective plate, g	lass	$\times$
		600
		30° 15° 8° 19°
ΝΙCΗΙΛ		30'
	IVSxE21A	
	symmetric	750 200
	3 %	
	.7 cd/lm	400
EDs/each optic 4		X/M
	Vhite	.45*
equired components:		
		800
WHM / FWTM A   ficiency 9   eak intensity 0   EDs/each optic 4   ght colour V	symmetric 3 % .7 cd/lm	200 80 <sup>4</sup> 40 <sup>6</sup> 80 <sup>6</sup>



OODAN		
OSRAM		
Opto Semiconductors	0000110 0 0/0/	90* 90*
	OSCONIQ C 2424	750 750
FWHM / FWTM	Asymmetric	200
Efficiency	92 %	60*
Peak intensity	0.7 cd/lm	400
LEDs/each optic	4 White	
Light colour Required components:	White	45* 640 45*
Required components.		$\times$
		800
		$\times$
		30* 15 <sup>5</sup> 1000 15* 30*
OSRAM		
Opto Semiconductors		90* 90*
LED	OSCONIQ P 7070	700 700
FWHM / FWTM	Asymmetric	200
Efficiency	89 %	60°
Peak intensity	0.8 cd/lm	400
LEDs/each optic	1	$\land$
Light colour	White	45* 45*
Required components:		
		200
		30* 13 <sup>5</sup> 0° 15° 30*
OSRAM		
Opto Semiconductors		90* 90*
		73%
LED	SFH 4716AS	254 200 752
FWHM / FWTM	Asymmetric	23 <sup>4</sup> 20 20 60 <sup>4</sup> 64
FWHM / FWTM Efficiency	Asymmetric 92 %	23 <sup>4</sup> 200 72°. 61 <sup>4</sup> 400 60°.
FWHM / FWTM Efficiency LEDs/each optic	Asymmetric 92 % 1	2°
FWHM / FWTM Efficiency LEDs/each optic Light colour	Asymmetric 92 %	5° 60 6° 6°
FWHM / FWTM Efficiency LEDs/each optic	Asymmetric 92 % 1	50 50 50 50 50 50 50 50 50 50 50 50 50 5
FWHM / FWTM Efficiency LEDs/each optic Light colour	Asymmetric 92 % 1	25° 20 75. 6° 60 67. 6° 60 67.
FWHM / FWTM Efficiency LEDs/each optic Light colour	Asymmetric 92 % 1	2° <u>20</u> 72 6° <u>60</u> 67 67 <u>60</u> 67
FWHM / FWTM Efficiency LEDs/each optic Light colour	Asymmetric 92 % 1	20 <sup>-</sup> 10 <sup>-</sup> 00 <sup>-</sup> 10 <sup>-</sup> 00 <sup>-</sup>
FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	Asymmetric 92 % 1 IR	00
FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	Asymmetric 92 % 1 IR	00
FWHM / FWTM Efficiency LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED	Asymmetric 92 % 1 IR IR	00
FWHM / FWTM Efficiency LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM	Asymmetric 92 % 1 IR G LH181B Asymmetric	00
FWHM / FWTM Efficiency LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency	Asymmetric 92 % 1 IR B LH181B Asymmetric 92 %	00
FWHM / FWTM Efficiency LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 92 % 1 IR IR ILH181B Asymmetric 92 % 0.7 cd/lm	00
FWHM / FWTM Efficiency LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 92 % 1 IR IR ILH181B Asymmetric 92 % 0.7 cd/lm 4	
FWHM / FWTM Efficiency LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 1 IR IR ILH181B Asymmetric 92 % 0.7 cd/lm	00
FWHM / FWTM Efficiency LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 92 % 1 IR IR ILH181B Asymmetric 92 % 0.7 cd/lm 4	
FWHM / FWTM Efficiency LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 1 IR IR ILH181B Asymmetric 92 % 0.7 cd/lm 4	
FWHM / FWTM Efficiency LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 92 % 1 IR IR ILH181B Asymmetric 92 % 0.7 cd/lm 4	



# PRODUCT DATASHEET CA13752\_STRADA-SQ-FT

#### **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:

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