

# PRODUCT DATASHEET C13936\_STRADA-2X2-B2-STP

## STRADA-2X2-B2-STP

Beam for area lighting and applications demanding a wide oval beam pattern

#### **SPECIFICATION:**

Dimensions	50.0 x 50.0 mm
Height	5.2 mm
Fastening	pin, screw
ROHS compliant	yes 🛈



#### **MATERIALS:**

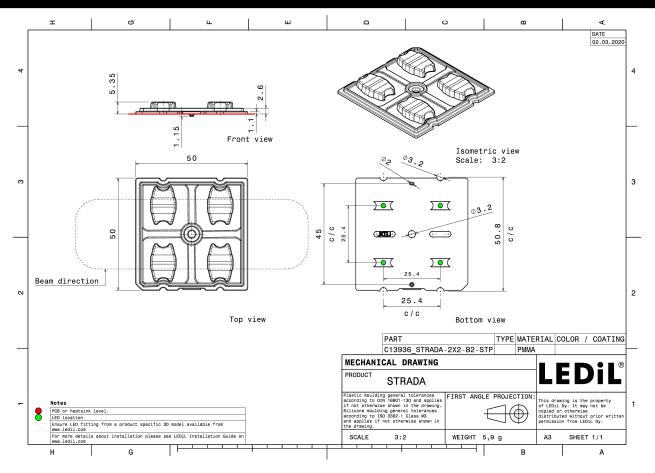
Component	Туре	Material	Colour	Finish
STRADA-2X2-B2-STP	Multi-lens	PMMA	clear	

#### **ORDERING INFORMATION:**

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C13936_STRADA-2X2-B2-STP	800	160	160	5.5
» Box size: 480 x 280 x 300 mm				

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



		<u> </u>	n*
LED	QUICK FLUX XTP 2x4 xxx LS G5		
FWHM / FWTM	118.0 + 45.0° / 152.0 + 105.0°	.75	30 780
Efficiency	94 %		200
Peak intensity	0.6 cd/lm	.60	6°.
LEDs/each optic	1		
Light colour	White		
Required compone		.47	45*
			670
			$\checkmark$ / $\land$ $\checkmark$
		/36	0° 15° 30°
CODET			
		99	90*
LED	QUICK FLUX XTP 2x6 xxx LS G5	72	ne
FWHM / FWTM	119.0 + 45.0° / 152.0 + 105.0°	~	200
Efficiency	94 %	.60	604
Peak intensity	0.6 cd/lm		
LEDs/each optic	1		400
Light colour	White	4	5* 43*
Required compone	nts:		000
			$\sim$
		/3<	0° 15 <sup>5</sup> 0° 15° 30°
CREE ≑		Γ	
			0*
LED	XP-G2	.*	94
LED FWHM / FWTM	119.0 + 43.0° / 150.0 + 96.0°	.я ,я	9 <sup>2</sup> 9 <sup>2</sup>
LED FWHM / FWTM Efficiency	119.0 + 43.0° / 150.0 + 96.0° 93 %		9* 9/* 25 - 20 - 20 16*
LED LED FWHM / FWTM Efficiency Peak intensity	119.0 + 43.0° / 150.0 + 96.0° 93 % 0.6 cd/lm	x a	9* 96 96 97 97 97 97 97 97 97 97 97 97 97 97
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	119.0 + 43.0° / 150.0 + 96.0° 93 % 0.6 cd/lm 1	x x	9* 9* 9* 9* 0* 6*
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	119.0 + 43.0° / 150.0 + 96.0° 93 % 0.6 cd/lm 1 White	ж ж	9* 95 05 05 07
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	119.0 + 43.0° / 150.0 + 96.0° 93 % 0.6 cd/lm 1 White	ж ж е	
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	119.0 + 43.0° / 150.0 + 96.0° 93 % 0.6 cd/lm 1 White	ж ж .е	
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	119.0 + 43.0° / 150.0 + 96.0° 93 % 0.6 cd/lm 1 White	8 2 4	
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	119.0 + 43.0° / 150.0 + 96.0° 93 % 0.6 cd/lm 1 White	ж л е х х	
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	119.0 + 43.0° / 150.0 + 96.0° 93 % 0.6 cd/lm 1 White	ж ж	
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	119.0 + 43.0° / 150.0 + 96.0° 93 % 0.6 cd/lm 1 White nts:	×	
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	119.0 + 43.0° / 150.0 + 96.0° 93 % 0.6 cd/lm 1 White nts:		02 02 04 05 05 04 05 04 05 05 05 05 05 05 05 05 05 05 05 05 05
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREECS LED FWHM / FWTM	119.0 + 43.0° / 150.0 + 96.0° 93 % 0.6 cd/lm 1 White nts: XP-G3 118.0 + 45.0° / 155.0 + 111.0°	8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	119.0 + 43.0° / 150.0 + 96.0° 93 % 0.6 cd/lm 1 White nts: XP-G3 118.0 + 45.0° / 155.0 + 111.0° 94 %		02 02 04 05 05 04 05 04 05 05 05 05 05 05 05 05 05 05 05 05 05
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LED FWHM / FWTM Efficiency Peak intensity	119.0 + 43.0° / 150.0 + 96.0° 93 % 0.6 cd/lm 1 White nts: XP-G3 118.0 + 45.0° / 155.0 + 111.0° 94 % 0.6 cd/lm		02 02 04 05 05 04 05 04 05 05 05 05 05 05 05 05 05 05 05 05 05
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	119.0 + 43.0° / 150.0 + 96.0° 93 % 0.6 cd/lm 1 White nts: XP-G3 118.0 + 45.0° / 155.0 + 111.0° 94 % 0.6 cd/lm 1		02 02 04 05 05 04 05 04 05 05 05 05 05 05 05 05 05 05 05 05 05
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	119.0 + 43.0° / 150.0 + 96.0° 93 % 0.6 cd/lm 1 White nts: XP-G3 118.0 + 45.0° / 155.0 + 111.0° 94 % 0.6 cd/lm 1 White	x x #	02 02 04 05 05 04 05 04 05 05 05 05 05 05 05 05 05 05 05 05 05
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	119.0 + 43.0° / 150.0 + 96.0° 93 % 0.6 cd/lm 1 White nts: XP-G3 118.0 + 45.0° / 155.0 + 111.0° 94 % 0.6 cd/lm 1 White	x x #	
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	119.0 + 43.0° / 150.0 + 96.0° 93 % 0.6 cd/lm 1 White nts: XP-G3 118.0 + 45.0° / 155.0 + 111.0° 94 % 0.6 cd/lm 1 White	x x #	
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	119.0 + 43.0° / 150.0 + 96.0° 93 % 0.6 cd/lm 1 White nts: XP-G3 118.0 + 45.0° / 155.0 + 111.0° 94 % 0.6 cd/lm 1 White	x x #	
LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LEDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	119.0 + 43.0° / 150.0 + 96.0° 93 % 0.6 cd/lm 1 White nts: XP-G3 118.0 + 45.0° / 155.0 + 111.0° 94 % 0.6 cd/lm 1 White	x x #	



		90* 99*
LED	XP-L HI	
FWHM / FWTM	117.0 + 40.0° / 149.0 + 93.0°	78° 75°
Efficiency	93 %	
Peak intensity	0.6 cd/lm	60 <sup>4</sup> 60 <sup>4</sup>
LEDs/each optic	1	400
Light colour	White	
Required compone		
		600
		X   X
		800
		(30° 15° 0° 15°
🖉 LUMIL	.EDS	30, 30,
LED	LUXEON TX	
FWHM / FWTM	117.0 + 43.0° / 148.0 + 98.0°	75°
Efficiency	93 %	200
Peak intensity	0.6 cd/lm	60* 66*
LEDs/each optic	1	400
Light colour	White	45 <sup>+</sup> 65 <sup>+</sup>
Required compone	ents:	600
		000
		30° 12 <sup>5</sup> 0° 15° 30°
MST Your solu	tions	90* 99*
LED	RecLED 122x50mm 1900lm 730 2x4 Opt G1	
FWHM / FWTM	Asymmetric	75°
Efficiency	97 %	
Peak intensity	0.6 cd/lm	400
LEDs/each optic	1	
Light colour	White	6
Required compone	ents:	60
		X     X
		300
		30* m <sup>3</sup> 0* 0* 30*
ØNICHI/		
		90* 90*
LED	NVSW3x9A	750
FWHM / FWTM	119.0 + 49.0° / 155.0 + 115.0°	
Efficiency	94 %	60 <sup>4</sup> 60 <sup>4</sup>
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	66*
Required compone	ans.	
		640
		$\times$ / $\setminus$ $\times$
		30* 13 <sup>3</sup> 0* 15 <sup>+</sup> 30*



<b>ØNICHI</b>		91 <sup>+</sup> 91 <sup>+</sup>
LED	NVSxE21A	
FWHM / FWTM	116.0 + 51.0° / 148.0 + 134.0°	75°
Efficiency	93 %	
-	0.7 cd/lm	60 <sup>4</sup> 604
Peak intensity		
LEDs/each optic	1	
Light colour	White	651 650
Required compone	nts:	
		30 <sup>4</sup> 35 <sup>2</sup> 0 <sup>6</sup> 10 <sup>4</sup> 30 <sup>4</sup>
OSRAM	1	90 <sup>+</sup>
LED	PrevaLED Brick HP 2x8	
FWHM / FWTM	118.0 + 43.0° / 149.0 + 96.0°	730
Efficiency	93 %	200_0
Peak intensity	0.6 cd/lm	504 604
LEDs/each optic	1	
Light colour	White	5°
Required compone		45"
Required compone		600
		$\times$ / $\setminus$ $\times$
		800
		30° 15° 0° 10° 30°
OSRAM Opto Semiconductors		
Opto Semiconductors	OSLON Square CSSRM2/CSSRM3	90* 90*
FWHM / FWTM	118.0 + 43.0° / 149.0 + 96.0°	739 739
	93 %	
Efficiency		.50* 60*
Peak intensity	0.6 cd/lm	
LEDs/each optic	1 White	
Light colour		6° 6'
Required compone	nis.	640
		$\times$ / $\setminus$ $\times$
		800
		30* 15 <sup>5</sup> 0* 15* 30*
OSRAM Opto Semiconductors		90*
LED	OSLON Square PC	
FWHM / FWTM	120.0 + 48.0° / 154.0 + 106.0°	73.6
Efficiency	94 %	7 - 200 - 27
Peak intensity	0.6 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	400 474
Required compone		
		600
		30° 30° 33°



	S	90*
LED	Fortimo FastFlex LED 2x8 DA G4	
FWHM / FWTM	120.0 + 44.0° / 151.0 + 100.0°	23*
Efficiency	94 %	55
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	400
Light colour	White	45*
Required compone	nts:	640
		30* 15 <sup>5</sup> 0* 15*
PHILIF	S	
LED	Fortimo FastFlex LED 2x8 DA G4+	
FWHM / FWTM	Asymmetric	730
Efficiency	96 %	200
Peak intensity	0.5 cd/lm	ere / / / /
LEDs/each optic	1	
Light colour	White	45*
Required compone		
		600
		$\times$
		30* 15 <sup>5</sup> 800 15*
PHILIF		
		90*
LED	Fortimo FastFlex LED 2x8 DAX G4	750
FWHM / FWTM	112.0 + 64.0° / 121.0 + 149.0°	
Efficiency	94 %	
LEDs/each optic	1	
	1 White	40
LEDs/each optic Light colour Required compone	White	6°
	White	61°
Light colour	White	40 07 00
Light colour	White	40 60 60
Light colour	White	00
Light colour Required compone	White nts:	00 01
Light colour Required compone	White nts: JNG	00 01
Light colour Required compone	White nts: JNG LH351B	00 01
Light colour Required compone SAMSU LED FWHM / FWTM	White nts: JNG LH351B 118.0 + 46.0° / 152.0 + 109.0°	00° 10° 10° 10° 10° 10° 10° 10° 10° 10°
Light colour Required compone SAMSU LED FWHM / FWTM Efficiency	White nts: JNG LH351B 118.0 + 46.0° / 152.0 + 109.0° 93 %	00° 10° 10°
Light colour Required compone <b>SAMSU</b> LED FWHM / FWTM Efficiency Peak intensity	White nts: <b>JNG</b> LH351B 118.0 + 46.0° / 152.0 + 109.0° 93 % 0.6 cd/lm	00° 10° 10°
Light colour Required compone SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	White nts: <b>JNG</b> LH351B 118.0 + 46.0° / 152.0 + 109.0° 93 % 0.6 cd/lm 1	
Light colour Required compone <b>SAMSI</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White nts: <b>JNG</b> LH351B 118.0 + 46.0° / 152.0 + 109.0° 93 % 0.6 cd/lm 1 White	00° 10° 10°
Light colour Required compone SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	White nts: <b>JNG</b> LH351B 118.0 + 46.0° / 152.0 + 109.0° 93 % 0.6 cd/lm 1 White	
Light colour Required compone <b>SAMSI</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White nts: <b>JNG</b> LH351B 118.0 + 46.0° / 152.0 + 109.0° 93 % 0.6 cd/lm 1 White	
Light colour Required compone <b>SAMSI</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White nts: <b>JNG</b> LH351B 118.0 + 46.0° / 152.0 + 109.0° 93 % 0.6 cd/lm 1 White	



SAMSI	JNG	201
LED	LH351Z	
FWHM / FWTM	118.0 + 47.0°	721
Efficiency	93 %	
Peak intensity	0.6 cd/lm	60°
LEDs/each optic	1	
Light colour	White	6.
Required compone	nts:	
		00
		$\times$ / / $\times$
		30*
SEOUL		
SEOUL SEMICONDUCTOR		
LED	Z8Y22	
FWHM / FWTM	116.0 + 55.0° / 151.0 + 152.0°	724
Efficiency	93 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	
		60
		30 <sup>4</sup> (p)
SEOUL		
SEOUL SEMICONDUCTOR		804
LED	Z8Y22P	75
FWHM / FWTM	118.0 + 50.0° / 156.0 + 120.0°	
Efficiency	94 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	
		600
		30° 20 20 10°
TOSHIBA		
Leading Innovation »»	TL1L4	5°
LED FWHM / FWTM	1L1L4 116.0 + 45.0° / 149.0 + 102.0°	71
Efficiency	88 %	
Peak intensity	oo % 0.6 cd/lm	505
	0.6 ca/im 1	
LEDeloach antic		
		45*
LEDs/each optic Light colour	White	
		00
Light colour		
Light colour		00



# **TRIDONIC**

LED RI FWHM / FWTM 11 Efficiency 94 Peak intensity 0.4 LEDs/each optic 1 Light colour W Required components:

RLE 2x4 2000lm HP EXC2 OTD 119.0 + 44.0° / 151.0 + 105.0° 94 % 0.6 cd/lm 1 White

TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	RLE 2x8 4000lm HP EXC2 OTD 119.0 + 44.0° / 151.0 + 105.0° 94 % 0.6 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	RLE G1 49x121mm 2000lm xxx EXC OTD 121.0 + 48.0° / 154.0 + 113.0° 94 % 0.6 cd/lm 1 White	92" 93" 64" 64" 64" 64" 64" 64" 64" 64
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	RLE G1 49x133mm 2000lm xxx EXC OTD 121.0 + 48.0° / 154.0 + 113.0° 94 % 0.6 cd/lm 1 White	90° 70° 60° 60° 60° 1500 1500 1500 1500 1500 1500 1500 15



TRIDON	NIC	<u>8</u> * <u>8'</u>
LED	RLE G1 49x223mm 4000lm xxx EXC OTD	
FWHM / FWTM	121.0 + 48.0° / 154.0 + 113.0°	72
Efficiency	94 %	
Peak intensity	0.6 cd/lm	60 <sup>4</sup>
LEDs/each optic	1	
Light colour	White	45°
Required compone	ents:	
		1200
		$\times$
		30° 5500 30°
	110	<u>134</u> 0 <sup>4</sup> 13 <sup>5</sup>
TRIDON	NIC	90* 90*
LED	RLE G1 49x245mm 4000lm xxx EXC OTD	
FWHM / FWTM	121.0 + 48.0° / 154.0 + 113.0°	782
Efficiency	94 %	
Peak intensity	0.6 cd/lm	50°
LEDs/each optic	1	
Light colour	White	43*
Required compone	ents:	
		1220
		$\times$



## **OPTICAL RESULTS (SIMULATED):**

CREE ≑		
LEDS		90° 90°
	XP-G2 HE	730 750
FWHM / FWTM	116.0 + 53.0° / 148.0 + 96.5°	
Efficiency	92 %	504 504
Peak intensity	0.6 cd/lm	400
LEDs/each optic	1	
Light colour	White	45* 45*
Required components:		600
		X   X
		800
		30* 30*
CREE ≑		
LEDS		90* 90*
LED	XP-G3	756 782
FWHM / FWTM	Asymmetric	200
Efficiency	85 %	50* 60*
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 45*
Required components:		000
Protective plate	a diase	
	z, yidos	000
		30° 11° 30°
NCT Your solutions		
<b>MST</b> Your solutions		90° 50°
LED	RecLED 122x50mm 1900lm 730 2x4 Opt G1	99°
LED FWHM / FWTM	112.0 + 45.0° / 138.0 + 93.0°	99°
LED FWHM / FWTM Efficiency	112.0 + 45.0° / 138.0 + 93.0° 88 %	59° 50° 50° 50° 50° 50° 50° 50° 50° 50° 50
LED FWHM / FWTM Efficiency Peak intensity	112.0 + 45.0° / 138.0 + 93.0° 88 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	112.0 + 45.0° / 138.0 + 93.0° 88 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	112.0 + 45.0° / 138.0 + 93.0° 88 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	112.0 + 45.0° / 138.0 + 93.0° 88 % 0.6 cd/lm 1	60 <sup>4</sup> 60 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	112.0 + 45.0° / 138.0 + 93.0° 88 % 0.6 cd/lm 1 White	60 <sup>4</sup> 60 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	112.0 + 45.0° / 138.0 + 93.0° 88 % 0.6 cd/lm 1 White	60 <sup>4</sup> 60 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	112.0 + 45.0° / 138.0 + 93.0° 88 % 0.6 cd/lm 1 White	60 <sup>4</sup> 60 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	112.0 + 45.0° / 138.0 + 93.0° 88 % 0.6 cd/lm 1 White	60 <sup>4</sup> 60 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	112.0 + 45.0° / 138.0 + 93.0° 88 % 0.6 cd/lm 1 White e, glass	60 <sup>4</sup> 60 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	112.0 + 45.0° / 138.0 + 93.0° 88 % 0.6 cd/lm 1 White a, glass NF2x757G	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	112.0 + 45.0° / 138.0 + 93.0° 88 % 0.6 cd/lm 1 White e, glass NF2x757G 106.0 + 42.0° / 132.0 + 72.0°	60 <sup>4</sup> 60 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate ED FWHM / FWTM Efficiency	112.0 + 45.0° / 138.0 + 93.0° 88 % 0.6 cd/lm 1 White e, glass NF2x757G 106.0 + 42.0° / 132.0 + 72.0° 86 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate ED FWHM / FWTM Efficiency Peak intensity	112.0 + 45.0° / 138.0 + 93.0° 88 % 0.6 cd/lm 1 White e, glass NF2x757G 106.0 + 42.0° / 132.0 + 72.0° 86 % 0.7 cd/lm	
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	112.0 + 45.0° / 138.0 + 93.0° 88 % 0.6 cd/lm 1 White e, glass NF2x757G 106.0 + 42.0° / 132.0 + 72.0° 86 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Whom Protective plate FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	112.0 + 45.0° / 138.0 + 93.0° 88 % 0.6 cd/lm 1 White e, glass NF2x757G 106.0 + 42.0° / 132.0 + 72.0° 86 % 0.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate VICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	112.0 + 45.0° / 138.0 + 93.0° 88 % 0.6 cd/lm 1 White e, glass NF2x757G 106.0 + 42.0° / 132.0 + 72.0° 86 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate WHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	112.0 + 45.0° / 138.0 + 93.0° 88 % 0.6 cd/lm 1 White e, glass NF2x757G 106.0 + 42.0° / 132.0 + 72.0° 86 % 0.7 cd/lm 1 White	60° 60°   20° 60°   20° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate White components: Protective plate FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	112.0 + 45.0° / 138.0 + 93.0° 88 % 0.6 cd/lm 1 White e, glass NF2x757G 106.0 + 42.0° / 132.0 + 72.0° 86 % 0.7 cd/lm 1 White	60° 60°   20° 60°   20° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate Pro	112.0 + 45.0° / 138.0 + 93.0° 88 % 0.6 cd/lm 1 White e, glass NF2x757G 106.0 + 42.0° / 132.0 + 72.0° 86 % 0.7 cd/lm 1 White	64 <sup>4</sup> 65 <sup>4</sup> 65 <sup>4</sup> 15 <sup>5</sup> 15 <sup>5</sup> 10 <sup>4</sup> 10



# PRODUCT DATASHEET C13936\_STRADA-2X2-B2-STP

## **OPTICAL RESULTS (SIMULATED):**

<b>Μ</b> ΝΙCΗΙΛ		90° 90°
LED	NVSxE21A	
FWHM / FWTM	104.0 + 46.0° / 124.0 + 68.0°	73° 200 775°.
Efficiency	87 %	
Peak intensity	0.9 cd/lm	50* 60*
LEDs/each optic	1	
Light colour	White	45*
Required components:		
		$\times$
Protective plate	e, glass	300
000044		30* <u>1200</u> 30* 30*
OSRAM Opto Semiconductors		90* 90*
LED	OSCONIQ P 3737 (3W version)	
FWHM / FWTM	111.0 + 45.0° / 140.0 + 105.0°	75°
Efficiency	94 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	40
Light colour	White	45* 45
Required components:		
		$\times$ / $\times$
		20°
OCDAM		13 <sup>5</sup> 0 <sup>6</sup> 13 <sup>6</sup>
OSRAM Opto Semiconductors		
		90* 90*
LED	OSLON Square CSSRM2/CSSRM3	90° 90°
LED FWHM / FWTM	OSLON Square CSSRM2/CSSRM3 Asymmetric	20 20
		70° 70°
FWHM / FWTM	Asymmetric	99° 73° 60° 60°
FWHM / FWTM Efficiency	Asymmetric 86 %	9° 6° 6° 6°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 0.6 cd/lm	9° 73 6° 6° 6° 6° 6° 6° 6° 6° 6°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 86 % 0.6 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 86 % 0.6 cd/lm 1 White	19 <sup>2</sup> 19
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 0.6 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 86 % 0.6 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 86 % 0.6 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 86 % 0.6 cd/lm 1 White a, glass	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 86 % 0.6 cd/lm 1 White a, glass OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Optio Semiconductors LED FWHM / FWTM	Asymmetric 86 % 0.6 cd/lm 1 White e, glass OSLON Square CSSRM2/CSSRM3 116.0 + 46.0° / 142.0 + 82.0°	90° 90° 90° 90° 90° 90° 90° 90°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 86 % 0.6 cd/lm 1 White e, glass OSLON Square CSSRM2/CSSRM3 116.0 + 46.0° / 142.0 + 82.0° 85 %	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 86 % 0.6 cd/lm 1 White e, glass OSLON Square CSSRM2/CSSRM3 116.0 + 46.0° / 142.0 + 82.0° 85 % 0.6 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 86 % 0.6 cd/lm 1 White e, glass OSLON Square CSSRM2/CSSRM3 116.0 + 46.0° / 142.0 + 82.0° 85 % 0.6 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 0.6 cd/lm 1 White e, glass OSLON Square CSSRM2/CSSRM3 116.0 + 46.0° / 142.0 + 82.0° 85 % 0.6 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate OSRAM Optic Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 86 % 0.6 cd/lm 1 White e, glass OSLON Square CSSRM2/CSSRM3 116.0 + 46.0° / 142.0 + 82.0° 85 % 0.6 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 0.6 cd/lm 1 White o, glass OSLON Square CSSRM2/CSSRM3 116.0 + 46.0° / 142.0 + 82.0° 85 % 0.6 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 86 % 0.6 cd/lm 1 White o, glass OSLON Square CSSRM2/CSSRM3 116.0 + 46.0° / 142.0 + 82.0° 85 % 0.6 cd/lm 1 White	



#### **OPTICAL RESULTS (SIMULATED):**

