

# PRODUCT DATASHEET FP15752\_STRADA-2X2MXS-T3

# STRADA-2X2MXS-T3

IESNA Type III (medium) beam for roads that are equal to or wider than mounting height.

## **TECHNICAL SPECIFICATIONS:**

Dimensions	90.0 x 90.0 mm
Dimensions	90.0 X 90.0 mm
Height	14.8 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes 🛈



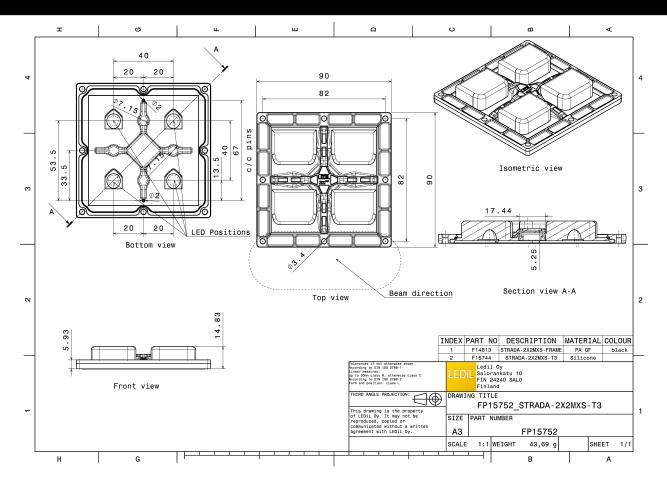
## MATERIAL SPECIFICATIONS:

Component	Туре	Material	Colour	Finish
STRADA-2X2MXS-T3	Multi-lens	Silicone	clear	
STRADA-2X2MXS-FRAME	Holder	PA66	black	

#### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP15752_STRADA-2X2MXS-T3	Multi-lens	192	24	12	10.2
» Box size: 398 x 298 x 265 mm					

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



## **PHOTOMETRIC DATA (MEASURED):**

CREE - LEED		
LED	XT-E HE	y -
FWHM / FWTM	Asymmetric	780 770 770
Efficiency	89 %	X
Peak intensity	0.7 cd/lm	.60* 60*.
LEDs/each optic	1	400
Light colour	White	
Required componer		
		640
		$\times$ / $\setminus$ $\times$
		800
		30° 135° 30°
	EDS	90* 92*
LED	LUXEON M/MX	*
FWHM / FWTM	Asymmetric	750 770
Efficiency	92 %	XIXX
Peak intensity	0.9 cd/lm	604 604
LEDs/each optic	1	400
Light colour	White	45°
Required componer		600
		800
		30° 15° 36°
UMIL	EDS	90° 90°
LED	LUXEON XR-7070	
FWHM / FWTM	Asymmetric	73°
Efficiency	Asymmetric 91 %	77
Efficiency		20
	91 %	20
Efficiency Peak intensity	91 % 0.8 cd/lm	27
Efficiency Peak intensity LEDs/each optic	91 % 0.8 cd/lm 1 White	5° 60 6°
Efficiency Peak intensity LEDs/each optic Light colour	91 % 0.8 cd/lm 1 White	21
Efficiency Peak intensity LEDs/each optic Light colour	91 % 0.8 cd/lm 1 White	20
Efficiency Peak intensity LEDs/each optic Light colour	91 % 0.8 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required componer	91 % 0.8 cd/m 1 White hts:	50° 30° 60° 60° 70° 70° 70° 70° 70° 70° 70° 70° 70° 7
Efficiency Peak intensity LEDs/each optic Light colour	91 % 0.8 cd/m 1 White hts:	00 00 20*
Efficiency Peak intensity LEDs/each optic Light colour Required componer	91 % 0.8 cd/m 1 White hts:	60 50° 13° 00 50° 13° 30°
Efficiency Peak intensity LEDs/each optic Light colour Required componer	91 % 0.8 cd/lm 1 White hts: NV4x144A	00 00 20*
Efficiency Peak intensity LEDs/each optic Light colour Required componer	91 % 0.8 cd/lm 1 White hts:	60 50° 13° 00 50° 13° 30°
Efficiency Peak intensity LEDs/each optic Light colour Required componer	91 % 0.8 cd/m 1 White hts: NV4x144A Asymmetric	60 50° 13° 00 50° 13° 30°
Efficiency Peak intensity LEDs/each optic Light colour Required componer	91 % 0.8 cd/m 1 White hts: NV4x144A Asymmetric 89 %	60 50° 13° 00 50° 13° 30°
Efficiency Peak intensity LEDs/each optic Light colour Required componen <b>MICHIA</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	91 % 0.8 cd/m 1 White hts: NV4x144A Asymmetric 89 % 0.8 cd/m	00 00 00 00 00 00 00 00 00 00 00 00 00
Efficiency Peak intensity LEDs/each optic Light colour Required componen <b>MICHIA</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	91 % 0.8 cd/m 1 White hts: NV4x144A Asymmetric 89 % 0.8 cd/m 1 White	00 00 00 00 00 00 00 00 00 00 00 00 00
Efficiency Peak intensity LEDs/each optic Light colour Required component MICHIN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	91 % 0.8 cd/m 1 White hts: NV4x144A Asymmetric 89 % 0.8 cd/m 1 White	00 00 00 00 00 00 00 00 00 00 00 00 00
Efficiency Peak intensity LEDs/each optic Light colour Required componen <b>MICHIA</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	91 % 0.8 cd/m 1 White hts: NV4x144A Asymmetric 89 % 0.8 cd/m 1 White	00 00 00 00 00 00 00 00 00 00 00 00 00
Efficiency Peak intensity LEDs/each optic Light colour Required componen <b>MICHIA</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	91 % 0.8 cd/m 1 White hts: NV4x144A Asymmetric 89 % 0.8 cd/m 1 White	00 00 00 00 00 00 00 00 00 00 00 00 00



## **PHOTOMETRIC DATA (MEASURED):**

<b>ØNICHIA</b>	ц.	90* 90
LED	NV9W149AM	
FWHM / FWTM	Asymmetric	73°
Efficiency	87 %	
Peak intensity	0.5 cd/lm	50° 60
LEDs/each optic	1	X 300 X
Light colour	White	
Required componer		
	но.	200
		$\times$
		600
		30° 15° 30
СЛЛЛСІ		
SVWSI	JNG	90* 9X
LED	HiLOM SC16 (LH181B)	
FWHM / FWTM	Asymmetric	Re at a r
Efficiency	91 %	
Peak intensity	1 cd/lm	40
LEDs/each optic	1	X /  X
Light colour	White	45* 40
Required componer	nts:	
		000
		30° 30° 30° 30° 30° 30° 30° 30° 30° 30°
SCIO	LUX	
LED	XLE-S22C4XD16 (XD16)	90*
	ALE-32204AD10 (AD10)	
		735 77
FWHM / FWTM	Asymmetric	75
Efficiency	Asymmetric 88 %	20
Efficiency Peak intensity	Asymmetric 88 % 1 cd/lm	20 20 60
Efficiency Peak intensity LEDs/each optic	Asymmetric 88 % 1 cd/lm 4	20
Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 88 % 1 cd/lm 4 White	5° 60 6
Efficiency Peak intensity LEDs/each optic	Asymmetric 88 % 1 cd/lm 4 White	25
Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 88 % 1 cd/lm 4 White	
Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 88 % 1 cd/lm 4 White	20 53 65 60 60 60 60 60 60 60 60 60 60 60 60 60
Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 88 % 1 cd/lm 4 White	20 <sup>2</sup> 12 <sup>3</sup> 150 12 <sup>4</sup> X
Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 88 % 1 cd/lm 4 White hts:	
Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 88 % 1 cd/lm 4 White hts: LUX	
Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 88 % 1 cd/lm 4 White hts:	
Efficiency Peak intensity LEDs/each optic Light colour Required component SCIO LED FWHM / FWTM	Asymmetric 88 % 1 cd/lm 4 White hts: LUX XLE-S22C4XTEHE (XT-E HE) Asymmetric	
Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 88 % 1 cd/lm 4 White hts: LUX XLE-S22C4XTEHE (XT-E HE)	
Efficiency Peak intensity LEDs/each optic Light colour Required component SCIO LED FWHM / FWTM	Asymmetric 88 % 1 cd/lm 4 White hts: LUX XLE-S22C4XTEHE (XT-E HE) Asymmetric	
Efficiency Peak intensity LEDs/each optic Light colour Required component SCIO LED FWHM / FWTM Efficiency	Asymmetric 88 % 1 cd/lm 4 White hts: <b>LUX</b> XLE-S22C4XTEHE (XT-E HE) Asymmetric 89 %	
Efficiency Peak intensity LEDs/each optic Light colour Required component S S C I O LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 88 % 1 cd/lm 4 White hts: <b>LUX</b> XLE-S22C4XTEHE (XT-E HE) Asymmetric 89 % 0.7 cd/lm	
Efficiency Peak intensity LEDs/each optic Light colour Required component S S C I O LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 88 % 1 cd/lm 4 White hts: <b>LUX</b> XLE-S22C4XTEHE (XT-E HE) Asymmetric 89 % 0.7 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required component SCIO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 88 % 1 cd/lm 4 White hts: <b>LUX</b> XLE-S22C4XTEHE (XT-E HE) Asymmetric 89 % 0.7 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required component SCIO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 88 % 1 cd/lm 4 White hts: <b>LUX</b> XLE-S22C4XTEHE (XT-E HE) Asymmetric 89 % 0.7 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required component SCIO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 88 % 1 cd/lm 4 White hts: <b>LUX</b> XLE-S22C4XTEHE (XT-E HE) Asymmetric 89 % 0.7 cd/lm 1 White	



bridgelux.		
	Dideater OND FOFO	90* 90*
	Bridgelux SMD 5050	750 750
FWHM / FWTM	Asymmetric	
Efficiency	89 %	50 <sup>4</sup> 60 <sup>4</sup>
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	400
Light colour	White	45*
Required components:		600
		30* 30*
CITTIZEN		
CITIZEN		90* 90*
LED	CLL02x/CLU02x (LES10)	
FWHM / FWTM	Asymmetric	73°
Efficiency	88 %	
Peak intensity	0.5 cd/lm	1.00°
LEDs/each optic	1	
Light colour	White	45* 400 45*
Required components:		
Bender Wirth: 434 Typ	o 2x2MX HV	20
		60
		182 00 188
CITIZEN		20°
	CLU700/701/702	
LED	CLU700/701/702 Asymmetric	
LED FWHM / FWTM	Asymmetric	
LED FWHM / FWTM Efficiency	Asymmetric 87 %	
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 87 % 0.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 87 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 87 % 0.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 87 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 87 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 87 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 87 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 434 Typ	Asymmetric 87 % 0.7 cd/lm 1 White	60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 434 Typ	Asymmetric 87 % 0.7 cd/lm 1 White D 2x2MX HV	60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 434 Typ	Asymmetric 87 % 0.7 cd/lm 1 White D 2x2MX HV MHB-A/B	60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 434 Typ	Asymmetric 87 % 0.7 cd/lm 1 White D 2x2MX HV MHB-A/B Asymmetric	60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 434 Typ Ender Wirth: 434 Typ LED FWHM / FWTM Efficiency	Asymmetric 87 % 0.7 cd/lm 1 White D 2x2MX HV MHB-A/B Asymmetric 88 %	60 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 434 Typ Efficiency Peak intensity	Asymmetric 87 % 0.7 cd/lm 1 White D 2x2MX HV MHB-A/B Asymmetric 88 % 0.8 cd/lm	60 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 434 Typ Ender Wirth: 434 Typ LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 87 % 0.7 cd/lm 1 White D 2x2MX HV MHB-A/B Asymmetric 88 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 434 Typ Ender Wirth: 434 Typ LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 87 % 0.7 cd/lm 1 White D 2x2MX HV MHB-A/B Asymmetric 88 % 0.8 cd/lm	60 54 00 30
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 434 Typ Ender Wirth: 434 Typ LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 87 % 0.7 cd/lm 1 White D 2x2MX HV MHB-A/B Asymmetric 88 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 434 Typ Ender Wirth: 434 Typ LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 87 % 0.7 cd/lm 1 White D 2x2MX HV MHB-A/B Asymmetric 88 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Bender Wirth: 434 Typ Ender Wirth: 434 Typ LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 87 % 0.7 cd/lm 1 White D 2x2MX HV MHB-A/B Asymmetric 88 % 0.8 cd/lm 1	



<b></b>		
		90* 90*
	MHD-E/G	750 7100 750
FWHM / FWTM	Asymmetric	X
Efficiency	89 %	60°
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	$\times \times /   \vee \times \times$
Light colour	White	45* 440 45*
Required components:		500
		600
		30° 700 30° 30°
	VI 1070	90* 90*
	XHP70	750 100 75°
FWHM / FWTM	Asymmetric	
Efficiency	88 %	60*
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	400
Light colour	White	43°
Required components:		
		00
		700
		30° 135° 86 15° 30°
		NY FFI
LED	XHP70.2	90* 90*
FWHM / FWTM		75°
Efficiency	Asymmetric 84 %	
Peak intensity	04 % 0.5 cd/lm	60°
LEDs/each optic	1	30
Light colour	' White	$\times \times / \top \setminus \times \times$
Required components:	White	-45° 400 45°.
Required components.		
		X/T/X
		600
		30° 43 <sup>2</sup> 0° 15° 30°
LED	XHP70.3	
FWHM / FWTM	Asymmetric	750 750
Efficiency	88 %	
Peak intensity		60* 60*
Peak intensity LEDs/each optic	0.6 cd/lm	60° 60°
LEDs/each optic	0.6 cd/lm 1	
LEDs/each optic Light colour	0.6 cd/lm	6° 67 67
LEDs/each optic	0.6 cd/lm 1	6° 67 67
LEDs/each optic Light colour	0.6 cd/lm 1	
LEDs/each optic Light colour	0.6 cd/lm 1	6 <sup>1</sup> 6 <sup>1</sup>



LED	XP-G3	90* 90*
FWHM / FWTM	Asymmetric	754 200 754
Efficiency	85 %	
Peak intensity	0.5 cd/lm	50* 65*
		X / w
LEDs/each optic	4	
Light colour	White	e. e.
Required components:		200
		30* <u>700</u> 30* <u>30</u> * <u>30</u> *
		90* 90*
LED	LUXEON 5050 Round LES	
FWHM / FWTM	Asymmetric	- Amaril
Efficiency	88 %	
Peak intensity	0.9 cd/lm	400
LEDs/each optic	1	$X/(T \setminus X)$
Light colour	White	45° 45°
Required components:		
		900
		30* 30*
LUMILED	15	90* 90*
LED	LUXEON 5050 Round LES	
FWHM / FWTM	Asymmetric	73* 77*
Efficiency	86 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	400
Light colour	White	451 451
Required components:		
		600
		$\times$
		30* <u>800</u> 30* 30*
		12° 0° 119°
<b>Μ</b> ΝΙCΗΙΛ		90° 90°
LED	NFMW48xA	
FWHM / FWTM	Asymmetric	73" 73"
Efficiency	89 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	$\left[ \times \right] / \left[ \setminus \times \right]$
Light colour	White	45°
Required components:		
		80
		30*
		15' 48' 15'



ØΝΙCΗΙΛ		90°
LED	NV4WB35AM	4
FWHM / FWTM	Asymmetric	
Efficiency	88 %	
Peak intensity	0.8 cd/lm	50°
LEDs/each optic	1	40
Light colour	White	43° 45°
Required components	8:	00
		$\times$ / $\times$
		80
		24 29
		23 <sup>4</sup> 0 <sup>4</sup> 13 <sup>4</sup>



#### **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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

#### **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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