

STRADA-2X2MX-8-VSM

IESNA Type V (square) for wide areas lighting such as car parks. New revision.

TECHNICAL SPECIFICATIONS:

Dimensions	90.0 x 90.0 mm
Height	13.1 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes 🛈



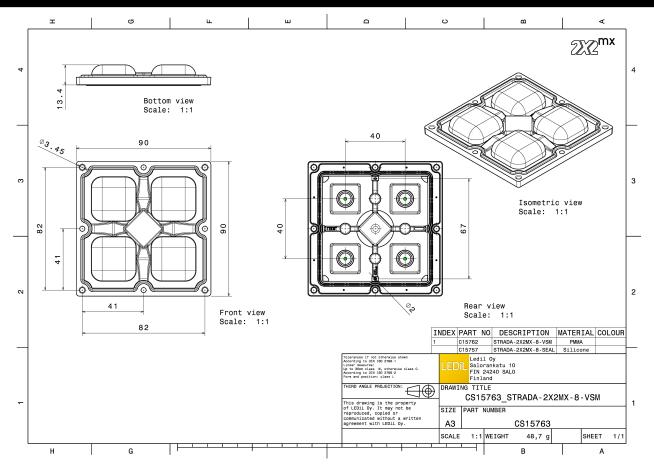
MATERIAL SPECIFICATIONS:

Component	Туре	Material	Colour	Finish
STRADA-2X2MX-8-VSM	Multi-lens	PMMA	clear	
STRADA-2X2MX-8-SEAL	Seal	Silicone	clear	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS15763_STRADA-2X2MX-8-VSM	Multi-lens	156	52	52	8.6
» Box size: 480 x 280 x 300 mm					





See also our general installation guide: <u>www.ledil.com/installation_guide</u>



PHOTOMETRIC DATA (MEASURED):

LED	XHP50.2	90' 90'
FWHM / FWTM	151.0° / 159.0°	73*
Efficiency	94 %	
Peak intensity	0.4 cd/lm	60 ⁴ 200 60 ^e
LEDs/each optic	1	X/T X
Light colour	White	
Required compone		
		40
		X
		500
		30° 15° 30°
		90* 90*
LED	XT-E HE	
FWHM / FWTM	148.0° / 156.0°	25 200
Efficiency	94 %	X////X
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 310 57*
Required compone	nts:	
		400
		\times / \times
		30* 500 30*
		15 ⁵ 0 ⁶ 15 ⁶
UMIL	EDS	80°
CALUMIL LED	EDS LUXEON M/MX	90°
		94* 99 25 200 52
LED FWHM / FWTM Efficiency	LUXEON M/MX	94 ⁴ 99 ⁴
LED FWHM / FWTM Efficiency Peak intensity	LUXEON M/MX Asymmetric	20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON M/MX Asymmetric 94 % 0.5 cd/lm 1	200 Ext
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON M/MX Asymmetric 94 % 0.5 cd/lm 1 White	5, <u>26</u> 6, <u>26</u> 6, <u>7</u> 70 70 70 70 70 70 70 70 70 70 70 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON M/MX Asymmetric 94 % 0.5 cd/lm 1 White	20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON M/MX Asymmetric 94 % 0.5 cd/lm 1 White	20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON M/MX Asymmetric 94 % 0.5 cd/lm 1 White	20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON M/MX Asymmetric 94 % 0.5 cd/lm 1 White	20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON M/MX Asymmetric 94 % 0.5 cd/lm 1 White nts:	6°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON M/MX Asymmetric 94 % 0.5 cd/lm 1 White nts:	6°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON M/MX Asymmetric 94 % 0.5 cd/lm 1 White Its:	6° 6° 6°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON M/MX Asymmetric 94 % 0.5 cd/lm 1 White nts: EDS LUXEON XR-7070 147.0° / 156.0°	6°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON M/MX Asymmetric 94 % 0.5 cd/lm 1 White nts: EDS LUXEON XR-7070 147.0° / 156.0° 97 %	6°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Weak intensity	LUXEON M/MX Asymmetric 94 % 0.5 cd/lm 1 White nts: EDS LUXEON XR-7070 147.0° / 156.0° 97 % 0.4 cd/lm	6°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition Required compone Composition Composition	LUXEON M/MX Asymmetric 94 % 0.5 cd/lm 1 White nts: EDS LUXEON XR-7070 147.0° / 156.0° 97 % 0.4 cd/lm 1	6°
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 M/MX Asymmetric 94 % 0.5 cd/lm 1 White nts: EDS LUXEON XR-7070 147.0° / 156.0° 97 % 0.4 cd/lm 1 White	6°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition Required compone Composition Composition	LUXEON M/MX Asymmetric 94 % 0.5 cd/lm 1 White nts: EDS LUXEON XR-7070 147.0° / 156.0° 97 % 0.4 cd/lm 1 White	6° 6° 6°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Component Required component Efficiency Peak intensity LEDs/each optic Light colour	LUXEON M/MX Asymmetric 94 % 0.5 cd/lm 1 White nts: EDS LUXEON XR-7070 147.0° / 156.0° 97 % 0.4 cd/lm 1 White	6° 6° 6°
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 M/MX Asymmetric 94 % 0.5 cd/lm 1 White nts: EDS LUXEON XR-7070 147.0° / 156.0° 97 % 0.4 cd/lm 1 White	6° 6° 6°



PHOTOMETRIC DATA (MEASURED):

ØNICHI		THANGHT
		90° 90°
	NV9W149AM	7710 7710 7710
FWHM / FWTM	Asymmetric	100
Efficiency	94 %	50* 150 60*
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 230 45*
Required compone	nts:	30
		30
		40
		30 ³ 33 ³ 450 30 ⁴ 30 ⁴
00041		115, 04, 112,
OSRAM		90* 90*
LED	PrevaLED Brick HP 2x2MX	
FWHM / FWTM	145.0° / 153.0°	751 100 751
Efficiency	96 %	XXIIIXX
Peak intensity	0.4 cd/lm	. 60° 200 60°
LEDs/each optic	4	
Light colour	White	45* 45*
Required compone	nts:	
		X X
		500
		15° 000 15°
0		
SAMSL	JNG	300 300
	HILOM SC16 (LH181B)	
		599
LED	HiLOM SC16 (LH181B)	199 - 300 - 309 -
LED FWHM / FWTM	HiLOM SC16 (LH181B) 140.0° / 147.0°	199
LED FWHM / FWTM Efficiency	HiLOM SC16 (LH181B) 140.0° / 147.0° 94 %	99
LED FWHM / FWTM Efficiency Peak intensity	HiLOM SC16 (LH181B) 140.0° / 147.0° 94 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	HiLOM SC16 (LH181B) 140.0° / 147.0° 94 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM SC16 (LH181B) 140.0° / 147.0° 94 % 0.5 cd/lm 1 White	30 30 40
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM SC16 (LH181B) 140.0° / 147.0° 94 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM SC16 (LH181B) 140.0° / 147.0° 94 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM SC16 (LH181B) 140.0° / 147.0° 94 % 0.5 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM SC16 (LH181B) 140.0° / 147.0° 94 % 0.5 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM SC16 (LH181B) 140.0° / 147.0° 94 % 0.5 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM SC16 (LH181B) 140.0° / 147.0° 94 % 0.5 cd/lm 1 White Ints: LUX XLE-S22C4XD16 (XD16)	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM SC16 (LH181B) 140.0° / 147.0° 94 % 0.5 cd/lm 1 White hts: LUX	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM SC16 (LH181B) 140.0° / 147.0° 94 % 0.5 cd/lm 1 White nts: LUX XLE-S22C4XD16 (XD16) Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM SC16 (LH181B) 140.0° / 147.0° 94 % 0.5 cd/lm 1 White nts: LUX XLE-S22C4XD16 (XD16) Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM SC16 (LH181B) 140.0° / 147.0° 94 % 0.5 cd/lm 1 White nts: LUX XLE-S22C4XD16 (XD16) Asymmetric 94 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM SC16 (LH181B) 140.0° / 147.0° 94 % 0.5 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM SC16 (LH181B) 140.0° / 147.0° 94 % 0.5 cd/lm 1 White nts: LUX XLE-S22C4XD16 (XD16) Asymmetric 94 % 0.5 cd/lm 4 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM SC16 (LH181B) 140.0° / 147.0° 94 % 0.5 cd/lm 1 White nts: LUX XLE-S22C4XD16 (XD16) Asymmetric 94 % 0.5 cd/lm 4 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM SC16 (LH181B) 140.0° / 147.0° 94 % 0.5 cd/lm 1 White nts: LUX XLE-S22C4XD16 (XD16) Asymmetric 94 % 0.5 cd/lm 4 White	



PHOTOMETRIC DATA (MEASURED):

SCIO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XLE-S22C4XTEHE (XT-E HE) 148.0° / 156.0° 94 % 0.4 cd/lm 1 White	
SCIO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XLE-S22XHP50B (XHP50.2) 151.0° / 159.0° 94 % 0.4 cd/lm 1 White	
stout semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z8Y22 Asymmetric 94 % 0.5 cd/lm 4 White ents:	



PHOTOMETRIC DATA (SIMULATED):

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bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Bridgelux SMD 5050 Asymmetric 94 % 0.4 cd/lm 1 White	90 73 60 60 60 60 60 60 60 60 60 60 60 60 60
		<u>60</u> <u>500</u> <u>500</u> <u>500</u> <u>500</u> <u>500</u> <u>500</u> <u>500</u> <u>500</u> <u>500</u> <u>500</u> <u>500</u> <u>500</u> <u>500</u> <u>500</u>
CITIZEN		90* 90*
LED	CLU700/701/702	
FWHM / FWTM	Asymmetric	75°
Efficiency	93 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	X X and X
Light colour	White	6° 6*
Required components:		400
Bender Wirth: 434 Ty	p 2x2MX HV	
		20
		30° 15° 30°
	MHB-A/B	
LED	MHB-A/B 152.0° / 160.0°	
LED FWHM / FWTM	152.0° / 160.0°	
LED FWHM / FWTM Efficiency	152.0° / 160.0° 95 %	
LED FWHM / FWTM Efficiency Peak intensity	152.0° / 160.0°	
LED FWHM / FWTM Efficiency	152.0° / 160.0° 95 % 0.4 cd/lm	50° 5° 500 6°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	152.0° / 160.0° 95 % 0.4 cd/lm 1	64°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	152.0° / 160.0° 95 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	152.0° / 160.0° 95 % 0.4 cd/lm 1	5° 50 6° 200 6° 6° 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	152.0° / 160.0° 95 % 0.4 cd/lm 1	20 20 0 ⁴ 0 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	152.0° / 160.0° 95 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	152.0° / 160.0° 95 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	152.0° / 160.0° 95 % 0.4 cd/lm 1 White	97 97 97 97 97 97 97 97 97 98 99 99 99 99 99 99 99 99 99 99 99 99
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	152.0° / 160.0° 95 % 0.4 cd/lm 1 White XHP70.3 152.0° / 160.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	152.0° / 160.0° 95 % 0.4 cd/lm 1 White XHP70.3 152.0° / 160.0° 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	152.0° / 160.0° 95 % 0.4 cd/lm 1 White XHP70.3 152.0° / 160.0° 94 % 0.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	152.0° / 160.0° 95 % 0.4 cd/lm 1 White XHP70.3 152.0° / 160.0° 94 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	152.0° / 160.0° 95 % 0.4 cd/lm 1 White XHP70.3 152.0° / 160.0° 94 % 0.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	152.0° / 160.0° 95 % 0.4 cd/lm 1 White XHP70.3 152.0° / 160.0° 94 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	152.0° / 160.0° 95 % 0.4 cd/lm 1 White XHP70.3 152.0° / 160.0° 94 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	152.0° / 160.0° 95 % 0.4 cd/lm 1 White XHP70.3 152.0° / 160.0° 94 % 0.4 cd/lm 1	



PHOTOMETRIC DATA (SIMULATED):

CREES LED EWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XT-E 148.0° / 180.0° 93 % 0.5 cd/lm 1 White	5° 50 6°
	05	20 III III III III III IIII IIII IIII I
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 150.0° / 158.0° 95 % 0.4 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NFMW48xA Asymmetric 94 % 45 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NV4WB35AM 148.0° / 162.0° 95 % 0.5 cd/lm 1 White	



PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors		
LED	OSCONIQ P 7070	
FWHM / FWTM	Asymmetric	75°
Efficiency	94 %	
Peak intensity	0.4 cd/lm	. 60 ⁴ 200 60*
LEDs/each optic	1	\times \times \times \times \times
Light colour	White	-65°
Required components:		40 50 50 60 50 50 50 50 50 50 50 50 50 50 50 50 50
PHILIPS		90°
LED	Fortimo FastFlex LED 2x2 70x70 DC G4	
FWHM / FWTM	Asymmetric	736 100 75
Efficiency	94 %	
Peak intensity	0.4 cd/lm	50° 50°
LEDs/each optic	1	
Light colour	White	45° 300
Required components:		500 500 500 500 500 500 500 500 500 500
SEOUL SEMICONDUCTOR		300 300
LED	Z8Y19	20
FWHM / FWTM	Asymmetric	229
Efficiency	93 %	299
Peak intensity	0.5 cd/lm	107
LEDs/each optic	4	10
Light colour	White	139
Required components:		



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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