

STRADA-2X2-5050-LW1

Excellent longitudinal luminance uniformity for EN13201 M-class where road width is wider than the pole height.

SPECIFICATION:

Dimensions	50.0 x 50.0 mm
Height	6.5 mm
Fastening	screw
ROHS compliant	yes 🛈



MATERIALS:

Component	Туре	Material	Colour	Finish
STRADA-2X2-5050-LW1	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17829_STRADA-2X2-5050-LW1	800	160	160	7.0
» Box size: 480 x 280 x 300 mm				





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



OPTICAL RESULTS (MEASURED):

		50° 50°
LED	J Series 5050C 6V E Class	
FWHM / FWTM	Asymmetric	75*
Efficiency	92 %	
Peak intensity	0.6 cd/lm	60 ⁶
LEDs/each optic	1	X / w
Light colour	White	451
Required compone	ents:	400
		540
		600
		³⁰ <u>15</u> ⁵ 0 ⁶ 15 ⁴
PHILI	PS	90* 90*
LED	Fortimo FastFlex LED 2x8 DA HE	
FWHM / FWTM	Asymmetric	75*
Efficiency	94 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	X X
Light colour	White	45° 63°
Required compone	ints:	400
		600



CREECED LED J Series 5050 Round LES FWHM / FWTM Asymmetric Efficiency 78 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass Protective plate, glass Image: Creece and the symmetric
LED J Series 5050 Round LES FWHM / FWTM Asymmetric Efficiency 78 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass CREESLED LED J Series 5050B 6V K Class FWHM / FWTM Asymmetric Efficiency 75 % Peak intensity 0.4 cd/lm LEDs/each optic 1
FWHM / FWTM Asymmetric Efficiency 78 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plass Protective plass Image: Component (Component (Com
Efficiency 78 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass Protective plate, glass CREECIED LED J Series 5050B 6V K Class FWHM / FWTM Asymmetric Efficiency 75 % Peak intensity 0.4 cd/lm LEDs/each optic 1
Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass Protective plate, glass Image: state stat
LEDs/each optic 1 Light colour White Required components: Protective plate, glass Protective plate, glass CREECIED LED J Series 5050B 6V K Class FWHM / FWTM Asymmetric Efficiency 75 % Peak intensity 0.4 cd/lm LEDs/each optic 1
Light colour Mite Required components: Protective plats Protective plats Protecti
Required components: Protective plate, glass Protective plate, glass CREECIED LED J Series 5050B 6V K Class FWHM / FWTM Asymmetric Efficiency 75 % Peak intensity 0.4 cd/m LEDs/each optic 1
Protective plate, glass Image: state of the state
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LEDJ Series 5050B 6V K ClassFWHM / FWTMAsymmetricEfficiency75 %Peak intensity0.4 cd/lmLEDs/each optic1
LEDJ Series 5050B 6V K ClassFWHM / FWTMAsymmetricEfficiency75 %Peak intensity0.4 cd/lmLEDs/each optic1
FWHM / FWTM Asymmetric Efficiency 75 % Peak intensity 0.4 cd/lm LEDs/each optic 1
Efficiency 75 % Peak intensity 0.4 cd/lm LEDs/each optic 1
Efficiency 75 % Peak intensity 0.4 cd/lm LEDs/each optic 1
LEDs/each optic 1
Light colour White w
Required components:
C17677_STRADA-2X2-SHD-BLK
30° 30° 31°
LED J Series 5050B 6V K Class
FWHM / FWTM Asymmetric
FWHM / FWTM Asymmetric Efficiency 82 %
FWHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.4 cd/lm
FWHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.4 cd/lm LEDs/each optic 1
FWHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White
FWHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: ************************************
FWHM / FWTMAsymetricEfficiency82 %Peak intensity0.4 cd/lmLEDs/each optic1Light colourWhite
FWHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: ************************************
FWHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: ************************************
FWHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: ************************************
FWHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: C17580_STRADA-2X2-SHD-WHT C17580_STRADA-2X2-SHD-WHT #************************************
FWHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: C17580_STRADA-2X2-SHD-WHT C17580_STRADA-2X2-SHD-WHT ************************************
FWHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.4 cd/lm LEDs/each optic 1 LED J Series 5050B 6V K Class FWHM / FWTM Asymmetric
FWHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: C17580_STRADA-2S-SHD-WHT C17580_STRADA-2S-SHD-WHT Image: Close Strand St
FWHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.4 cd/m LEDs/each optic 1 Light colour White Required components: C17580_STRADA-2X-SHD-WHT CT7580_STRADA-2X-SHD-WHT Image: Component in the image: C17580_STRADA-2X-SHD-WHT CREEE J Series 5050B 6V K Class FWHM / FWTM Asymmetric Efficiency 79 % Peak intensity 0.4 cd/m
FWHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: C17580_STRADA-2X2-SHD-WHT C17580_STRADA-2X2-SHD-WHT Image: Component in the image: C17580_STRADA-2X2-SHD-WHT CTECECLED J Series 5050B 6V K Class FWHM / FWTM Asymmetric Efficiency 79 % Peak intensity 0.4 cd/lm LEDs/each optic 1
FWHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: C17580_STRADA-2X2-SHD-WHT CTFEE>LED J Series 5050B 6V K Class FWHM / FWTM Asymmetric Efficiency 79 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White
FWHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: C17580_STRADA-2X2-SHD-WHT C17580_STRADA-2X2-SHD-WHT Image: Component in the image: C17580_STRADA in
FWHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: C17580_STRADA-2X2-SHD-WHT CTFEE>LED J Series 5050B 6V K Class FWHM / FWTM Asymmetric Efficiency 79 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White
FWHM / FWTM Asymmetric Efficiency 82 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: C17580_STRADA-2XZ-SHD-WHT CIT7580_STRADA-2XZ-SHD-WHT Image: Component in the image: C17580_STRADA-2XZ-SHD-WHT CITCECE J Series 5050B 6V K Class FWHM / FWTM Asymmetric EED J Series 5050B 6V K Class FWHM / FWTM Asymmetric Efficiency 79 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: Cumponents



LED	XP-G3	<i>p</i>
FWHM / FWTM	Asymmetric	736
Efficiency	72 %	
Peak intensity	0.4 cd/lm	504
LEDs/each optic	1	
Light colour	White	
Required components:	wine	42,
Required components.		30
Protective plat	e, glass	
		400
		30° 15° 0° 15°
UMILE	DS	90*
LED	LUXEON 5050 HE	
FWHM / FWTM	Asymmetric	236
Efficiency	76 %	
Peak intensity	0.4 cd/lm	50°
LEDs/each optic	1	
Light colour	White	451
Required components:		30
		\times
Protective plat	e, glass	460
		\times
		30° 15 ² 9° 15*
	DS	80*
	LUXEON 5050 Round LES	8*
		20 20
LED	LUXEON 5050 Round LES	20
LED FWHM / FWTM Efficiency	LUXEON 5050 Round LES Asymmetric	
LED FWHM / FWTM	LUXEON 5050 Round LES Asymmetric 80 %	50°
LED FWHM / FWTM Efficiency Peak intensity	LUXEON 5050 Round LES Asymmetric 80 % 0.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Round LES Asymmetric 80 % 0.4 cd/lm 1	8°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES Asymmetric 80 % 0.4 cd/lm 1 White	51°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES Asymmetric 80 % 0.4 cd/lm 1 White	8° 8° 6° 8° 8° 8° 8° 8° 8° 8° 8° 8° 8° 8° 8° 8°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES Asymmetric 80 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat	LUXEON 5050 Round LES Asymmetric 80 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES Asymmetric 80 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat	LUXEON 5050 Round LES Asymmetric 80 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat	LUXEON 5050 Round LES Asymmetric 80 % 0.4 cd/lm 1 White e, glass	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat	LUXEON 5050 Round LES Asymmetric 80 % 0.4 cd/lm 1 White e, glass CS LUXEON 5050 Square LES Asymmetric 62 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat	LUXEON 5050 Round LES Asymmetric 80 % 0.4 cd/lm 1 White e, glass	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat	LUXEON 5050 Round LES Asymmetric 80 % 0.4 cd/lm 1 White e, glass CS LUXEON 5050 Square LES Asymmetric 62 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat	LUXEON 5050 Round LES Asymmetric 80 % 0.4 cd/lm 1 White e, glass LUXEON 5050 Square LES Asymmetric 62 % 0.3 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat	LUXEON 5050 Round LES Asymmetric 80 % 0.4 cd/lm 1 White e, glass LUXEON 5050 Square LES Asymmetric 62 % 0.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat WIM / EVTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES Asymmetric 80 % 0.4 cd/lm 1 White e. glass LUXEON 5050 Square LES Asymmetric 62 % 0.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat WIM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C17677_STRADA-22	LUXEON 5050 Round LES Asymmetric 80 % 0.4 cd/lm 1 White e, glass LUXEON 5050 Square LES Asymmetric 62 % 0.3 cd/lm 1 White X2-SHD-BLK	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plat ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES Asymmetric 80 % 0.4 cd/lm 1 White e, glass LUXEON 5050 Square LES Asymmetric 62 % 0.3 cd/lm 1 White X2-SHD-BLK	



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	LUXEON 5050 Square LES	90* 90
LED FWHM / FWTM	Asymmetric	236 797
Efficiency	65 %	
Peak intensity	0.3 cd/lm	- Eq
LEDs/each optic	1	200
Light colour	White	
Required components:		30
C17580_STRADA-2X	(2-SHD-WHT	\times
Protective plate	e, glass	
		9d* 94*
LED	LUXEON 5050 Square LES	73%
FWHM / FWTM	Asymmetric	
Efficiency	89 %	50 ⁴ 700 50 ⁴
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	\times
Light colour	White	· · · · · · · · · · · · · · · · · · ·
Required components:		400
		\times / \times
		500
		30° 15° 30°
)S	
		87 87
LED	LUXEON 5050 Square LES	25°
LED FWHM / FWTM	LUXEON 5050 Square LES Asymmetric	92° 13° 100 72°
LED FWHM / FWTM Efficiency	LUXEON 5050 Square LES Asymmetric 80 %	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON 5050 Square LES Asymmetric 80 % 0.4 cd/lm	99* 99* 99* 100 50* 800 6*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Square LES Asymmetric 80 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Square LES Asymmetric 80 % 0.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Square LES Asymmetric 80 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Square LES Asymmetric 80 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES Asymmetric 80 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	LUXEON 5050 Square LES Asymmetric 80 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	LUXEON 5050 Square LES Asymmetric 80 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	LUXEON 5050 Square LES Asymmetric 80 % 0.4 cd/lm 1 White •, glass	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	LUXEON 5050 Square LES Asymmetric 80 % 0.4 cd/lm 1 White a, glass	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate	LUXEON 5050 Square LES Asymmetric 80 % 0.4 cd/lm 1 White 9, glass	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate VICHIN LED FWHM / FWTM Efficiency Peak intensity	LUXEON 5050 Square LES Asymmetric 80 % 0.4 cd/lm 1 White a, glass	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	LUXEON 5050 Square LES Asymmetric 80 % 0.4 cd/lm 1 White e, glass NFMW48xA Asymmetric 90 % 0.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	LUXEON 5050 Square LES Asymmetric 80 % 0.4 cd/lm 1 White e, glass NFMW48xA Asymmetric 90 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	LUXEON 5050 Square LES Asymmetric 80 % 0.4 cd/lm 1 White e, glass NFMW48xA Asymmetric 90 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate WICHIN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Square LES Asymmetric 80 % 0.4 cd/lm 1 White e, glass NFMW48xA Asymmetric 90 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate WICHIN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Square LES Asymmetric 80 % 0.4 cd/lm 1 White e, glass NFMW48xA Asymmetric 90 % 0.4 cd/lm 1	



ΜΝΙCΗΙΛ		90* 99*
LED	NFSx757G	
FWHM / FWTM	Asymmetric	75°
Efficiency	75 %	
Peak intensity	0.5 cd/lm	60 ⁴ 604
LEDs/each optic	1	200
Light colour	White	
Required components:	white	45* 43*
Required components.		\times / \times
Protective plate	, glass	400
		\times \land \land \times
		30* 23° 20° 10° 30°
OSRAM Opto Semiconductors		90° 90°
LED	Duris S8	
FWHM / FWTM	Asymmetric	750 775
Efficiency	80 %	
Peak intensity	0.4 cd/lm	50 ⁴ 210 60*
LEDs/each optic	1	
Light colour	White	45* 310 45*
Required components:		\times / \times
		400
Protective plate	e, glass	\times
		200
		30° 15° 0° 15° 30°
OSRAM Opto Semiconductors		90* 90*
LED	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	Asymmetric	73°
Efficiency	73 %	That A
Peak intensity	0.4 cd/lm	50 ¹⁶ 60*
LEDs/each optic	1	200
Light colour	White	65° 65°
Required components:		300
Protective plate	e, glass	400
		30*
DHIIDS		13 ³ 0 ³ 13 ³
		90* 90*
LED	Fortimo FastFlex LED 2x8 DA HE	
FWHM / FWTM	Asymmetric	
Efficiency	80 %	.60*
Peak intensity	0.4 cd/lm	20
LEDs/each optic	1	
Light colour	White	45* 340 67*
Required components:		X X
Drotootive -l-t-		400
Protective plate	, yidəs	\times
		30* 500 30*
		15° 15°



SEOUL SEOUL SEMICONDUCTOR	SEOUL DC 5050 6V	90*
FWHM / FWTM	Asymmetric	200
Efficiency Peak intensity	80 % 0.4 cd/lm	ést
LEDs/each optic Light colour	1 White	at 30
Required components		
Protective pl	late, glass	40
		20° - 22° - 22°



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.

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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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LEDiL Oy

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc. 228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd. # 405 , Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

Local sales and technical support www.ledil.com/ where_to_buy

Shipping locations Salo, Finland Hong Kong, China

Distribution Partners www.ledil.com/ where_to_buy