

PRODUCT DATASHEET C17831_STRADA-2X2-5050-DWC

STRADA-2X2-5050-DWC

Universal road lighting beam with excellent mixed illuminance and luminance uniformity. Typically IESNA Type III (medium).

SPECIFICATION:

Dimensions Height Fastening ROHS compliant 50.0 x 50.0 mm 7.4 mm pin, screw yes ⁽)



MATERIALS:

Component
STRADA-2X2-5050-DWC

Туре	
Multi-lens	

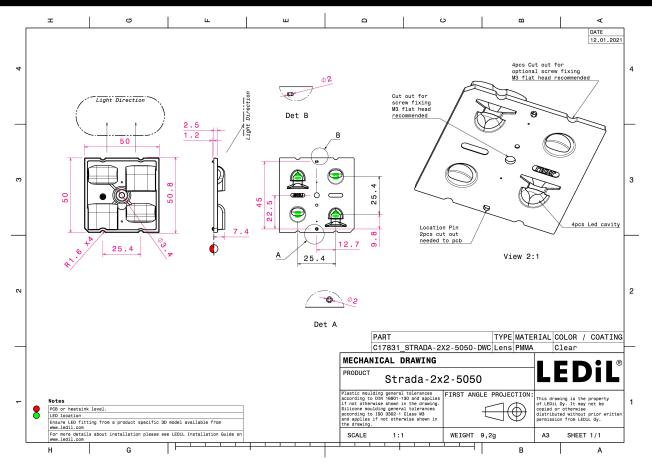
Material	Colour	Finish
PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17831_STRADA-2X2-5050-DWC	800	160	160	8.1
» 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):

		90
LED	J Series 5050C 6V E Class	
FWHM / FWTM	Asymmetric	75°
Efficiency	95 %	teo
Peak intensity	0.6 cd/lm	50 ⁴ 50 ⁴
LEDs/each optic	1	
Light colour	White	45° 400 47°
Required compone	nts:	500
		600
		700
		200 13 <u>9</u> 00 ⁰ 15 ⁴ 20
PHILIF	DS	90 ⁴ 7 7 7 90 ⁴
LED	Fortimo FastFlex LED 2x8 DA HE	
FWHM / FWTM	Asymmetric	75°
Efficiency	97 %	210
Peak intensity	0.6 cd/lm	60° 60°
LEDs/each optic	1	$X \times / T \setminus X \times$
Light colour	White	40 40
Required compone	nts:	200
		600
		710
		132 00 15"
TRIDOM	IIC	50 ⁺ 50 ⁺
LED	RLE 2x8 6000lm HP HE EXC3 OTD	
FWHM / FWTM	Asymmetric	75°
Efficiency	97 %	200
Peak intensity	0.6 cd/lm	50%
LEDs/each optic	1	$X \times / T \times X$
Light colour	White	45* 460 45*
Required compone	nts:	500
		700 30° 30°



		90°	PHT
LED	J Series 5050 Round LES		30"
FWHM / FWTM	Asymmetric	750	780
Efficiency	93 %	1	
Peak intensity	0.5 cd/lm		60*
LEDs/each optic	1		$\nabla X T$
Light colour	White	400	+
Required components:		- 500	+
			+
		700	71
		30* 15° 8%	13* 30*
		80+	90*
LED	J Series 5050 Round LES		
FWHM / FWTM	Asymmetric	75°	77.
Efficiency	79 %		
Peak intensity	0.3 cd/lm	60*	60*
LEDs/each optic	1	\vee \times /	X X V
Light colour	White	45*	45*
Required components:		1 1 400	1t
Protective plate	e, glass	500	-+
		30*	30*
		40 V	20
CREE ≑		THY	K+T
		90°	90*
LED	J Series 5050B 6V K Class		95*
LED FWHM / FWTM	Asymmetric	99 ⁻	99*
LEDS LED FWHM / FWTM Efficiency	Asymmetric 81 %		90°
LEDs LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 81 % 0.4 cd/lm		64
LEDs EWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 81 % 0.4 cd/lm 1		97 97 86
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 81 % 0.4 cd/lm		94
LEDs EWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 81 % 0.4 cd/lm 1		80
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 81 % 0.4 cd/lm 1 White		90 92 60 60
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 81 % 0.4 cd/lm 1 White		67
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 81 % 0.4 cd/lm 1 White		B1. 91.
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 81 % 0.4 cd/lm 1 White		
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 81 % 0.4 cd/lm 1 White 9, glass		
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 81 % 0.4 cd/lm 1 White 9, glass J Series 5050B 6V K Class		
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 81 % 0.4 cd/lm 1 White a, glass J Series 5050B 6V K Class Asymmetric		
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate CREECS LED FWHM / FWTM Efficiency	Asymmetric 81 % 0.4 cd/lm 1 White 2, glass J Series 5050B 6V K Class Asymmetric 93 %		
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate CREECS LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 81 % 0.4 cd/lm 1 White p, glass J Series 5050B 6V K Class Asymmetric 93 % 0.5 cd/lm		
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 81 % 0.4 cd/lm 1 White a, glass J Series 5050B 6V K Class Asymmetric 93 % 0.5 cd/lm 1		
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 81 % 0.4 cd/lm 1 White p, glass J Series 5050B 6V K Class Asymmetric 93 % 0.5 cd/lm		
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 81 % 0.4 cd/lm 1 White a, glass J Series 5050B 6V K Class Asymmetric 93 % 0.5 cd/lm 1		
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 81 % 0.4 cd/lm 1 White a, glass J Series 5050B 6V K Class Asymmetric 93 % 0.5 cd/lm 1		
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate CREE LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 81 % 0.4 cd/lm 1 White a, glass J Series 5050B 6V K Class Asymmetric 93 % 0.5 cd/lm 1		



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LEDS		80*	90*
LED FWHM / FWTM	XP-G3	75%	75*
Efficiency	Asymmetric 91 %		_/
Peak intensity	91 % 0.6 cd/lm	60° 300	60*
LEDs/each optic Light colour	1 White		\times
Required components:	white	·\$5* 540	45*
Required components.		60	
		710	
			\sum
		30* 15 ⁵ 0 ⁸ 15 ⁵	30*
			90*
LED	XP-G3		
FWHM / FWTM	Asymmetric	750	75.
Efficiency	77 %		
Peak intensity	0.4 cd/lm	.50 ⁴	60*
LEDs/each optic	1		
Light colour	White	45* 300	45*
Required components:			
		400	/
Protective plate	e, glass		
		300	
		30*	30.
		130* 15 ⁵ 0 ⁶ 15*	30*
)S	90° 13° 0° 13°	30* 90*
	LUXEON 5050 HE	90° 15° 0° 15°	30*
		90° 15° 0° 15° 90° 500	30* 90* 75°
LED	LUXEON 5050 HE		30* 90* 75*
LED FWHM / FWTM	LUXEON 5050 HE Asymmetric		30* 90* 75°
LED FWHM / FWTM Efficiency	LUXEON 5050 HE Asymmetric 80 %		30* 90* 75° 60*
LED FWHM / FWTM Efficiency Peak intensity	LUXEON 5050 HE Asymmetric 80 % 0.4 cd/lm		30* 90* 60* 45*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 HE Asymmetric 80 % 0.4 cd/lm 1	200	30* 90* 60* 60*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 HE Asymmetric 80 % 0.4 cd/lm 1 White	200	30° 90° 66°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 HE Asymmetric 80 % 0.4 cd/lm 1 White	200	30°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 HE Asymmetric 80 % 0.4 cd/lm 1 White	200	30* 90* 60* 60*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	LUXEON 5050 HE 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 HE 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 HE 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 HE Asymmetric 80 % 0.4 cd/lm 1 White , glass S LUXEON 5050 Round LES Asymmetric		~
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Contemponents Protective plate ED FWHM / FWTM Efficiency	LUXEON 5050 HE Asymmetric 80 % 0.4 cd/lm 1 White , glass LUXEON 5050 Round LES Asymmetric 80 %		~
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Who components: Protective plate ED FWHM / FWTM Efficiency Peak intensity	LUXEON 5050 HE Asymmetric 80 % 0.4 cd/lm 1 White e, glass S LUXEON 5050 Round LES Asymmetric 80 % 0.4 cd/lm		~
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Who components: Protective plate ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 HE Asymmetric 80 % 0.4 cd/lm 1 White e, glass S LUXEON 5050 Round LES Asymmetric 80 % 0.4 cd/lm 1		30* 90* 80*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate White components: Protective plate ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 HE Asymmetric 80 % 0.4 cd/lm 1 White e, glass S LUXEON 5050 Round LES Asymmetric 80 % 0.4 cd/lm		~
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Who components: Protective plate ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 HE Asymmetric 80 % 0.4 cd/lm 1 White e, glass S LUXEON 5050 Round LES Asymmetric 80 % 0.4 cd/lm 1		30* 90* 80*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate White components: Protective plate ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 HE Asymmetric 80 % 0.4 cd/lm 1 White e, glass S LUXEON 5050 Round LES Asymmetric 80 % 0.4 cd/lm 1 White		30°*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate While Poster Plate FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 HE Asymmetric 80 % 0.4 cd/lm 1 White e, glass S LUXEON 5050 Round LES Asymmetric 80 % 0.4 cd/lm 1 White		30* 90* 80*



UMILEI	DS	80*
LED	LUXEON 5050 Round LES	100
FWHM / FWTM	Asymmetric	
Efficiency	93 %	
Peak intensity	0.5 cd/lm	\sim
LEDs/each optic	1	400
Light colour	White	10
Required components:		500 X
		600
		710
		30° 25 ⁵ 80° 25°
	DS	
LED	LUXEON 5050 Square LES	
FWHM / FWTM	Asymmetric	750
Efficiency	80 %	
Peak intensity	0.3 cd/lm	50*
LEDs/each optic	1	
Light colour	White	45* 300
Required components:		
		\times \wedge \times
Protective plat	e, glass	560
		30° 422 0° 15°
	DS	
LED	LUXEON 5050 Square LES	
FWHM / FWTM	Asymmetric	73%
Efficiency	93 %	200
Peak intensity	0.5 cd/lm	60 ⁴ 340
LEDs/each optic	1	
	I	$ X \times \times \rangle$
Light colour	White	
Light colour Required components:		¢. 50
		ier 50 60
		40° 500
Required components: OSRAM		40 50 50 50 50 50 50 50 50 50 50 50 50 50
Required components: OSRAM	White	40 40 40 40 40 40 40 40 40 40
Required components: OSRAM Opto Semiconductors LED	White Duris S8	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
Required components: OSRAM Opto Semiconductors LED FWHM / FWTM	White Duris S8 Asymmetric	60° 50° 50° 50° 50° 50° 50° 50° 5
Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	White Duris S8 Asymmetric 81 %	
Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	White Duris S8 Asymmetric 81 % 0.4 cd/lm	
Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	White Duris S8 Asymmetric 81 % 0.4 cd/lm 1	
Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White Duris S8 Asymmetric 81 % 0.4 cd/lm	
Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	White Duris S8 Asymmetric 81 % 0.4 cd/lm 1 White	
Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White Duris S8 Asymmetric 81 % 0.4 cd/lm 1 White	



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OSRAM Opto Semiconductors		
LED	OSCONIQ S 5050	90° - 90°
FWHM / FWTM	Asymmetric	73* 100 75*
Efficiency	79 %	
-		50° 60*
Peak intensity	0.3 cd/lm	
LEDs/each optic	1	X / 300 / X
Light colour	White	45°
Required components:		400
Protective plate	alass	X X
	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	500
		30° 15° 30°
OSRAM Opto Semiconductors		90° 90°
LED	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	Asymmetric	25
Efficiency	79 %	
Peak intensity	0.4 cd/lm	. 60* 60* 60*
LEDs/each optic	1	
Light colour	White	at 300 at
Required components:	White	451
Required components.		400
Protective plate	e, glass	\times
		30* 12° 0° 12* 30*
PHILIPS		THA KHI
LED	Fortimo FastFlex LED 2x8 DA HE	90° 90°
EED FWHM / FWTM		736 100 75°
	Asymmetric 82 %	
Efficiency	0.4 cd/lm	60° 800 60°
Peak intensity		
LEDs/each optic	1	30
Light colour	White	ar, ar,
Required components:		400
Protective plate	a dass	
	, guoo	\times
		30* <u>600</u> 30* 30*
SAMSUN	IG	
LED	LH351C	
FWHM / FWTM	Asymmetric	75%
Efficiency	93 %	200
Peak intensity	95 % 0.5 cd/lm	50° 50°
LEDs/each optic	1	$X \times I \times X$
LEDS/each optic	1 White	
	wine	45' 500 45'
Required components:		60
		700
		30* 30*
		15° 0° 15°



SAMSU	IG	99- T	
LED	LH351C		-
FWHM / FWTM	Asymmetric	75%	\mathbb{N}
Efficiency	80 %		
Peak intensity	0.4 cd/lm	65 2000	\backslash
LEDs/each optic	1		
Light colour	White	45 30	
Required components:			
Protective plat	e. glass		
·		200	1
SAMSU	IG		10+
LED	LH502C	30*	-
LED FWHM / FWTM		70 500	
Efficiency	Asymmetric 94 %		\sim
Peak intensity	94 % 0.5 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required components:	Winte	10 500	
required components.		500	
		710	
		. 30*	15*
SAMSUN	IG	80	-+
LED	LH502C		
FWHM / FWTM	Asymmetric	78	
Efficiency	79 %		
Peak intensity	0.3 cd/lm	Se transmission of the second s	$\langle \rangle$
LEDs/each optic	1		
Light colour	White	107	
Required components:		40	
Protective plat	e, glass	200	
		39° -	1
SAMSU	IG		10×
LED	LH502D		
FWHM / FWTM	Asymmetric	75 100	
Efficiency	79 %		
Peak intensity	0.3 cd/lm	604	1
LEDs/each optic	1		
Light colour	White	57 36	
Required components:	*****		
required components.		***	
Protective plat	e, glass		



SAMSUN		THY YHT
<u>21111201</u>		90* 90*
LED	LH502D	100
FWHM / FWTM	Asymmetric	
Efficiency	94 %	60 ⁺ 60 ⁺
Peak intensity	0.5 cd/lm	30
LEDs/each optic	1	400
Light colour	White	45
Required components:		
		X m
		30° 15° 800 15° 30°
SEQUL		THY YHI
SEOUL SEMICONDUCTOR	MJT 5050	90°
ED FWHM / FWTM		75°
Efficiency	Asymmetric 93 %	
Peak intensity	93 % 0.5 cd/lm	60 ⁴ 60 ⁴
LEDs/each optic	1	
Light colour	White	ar. 400
Required components:		500
····		
		710
		30* 15* 30*
SEOUL SEMICONDUCTOR		90* 90*
LED	SEOUL DC 5050 6V	
FWHM / FWTM	Asymmetric	73%
Efficiency	80 %	
Peak intensity	0.4 cd/lm	60 ¹⁴ 60 ¹⁴
LEDs/each optic	1	
Light colour	White	30
Required components:		45* 45*
required components:		45° 460
		4 ³ 67
Protective plate		d* d
		40° 40°
		50
	, glass	50
Protective plate	, glass SEOUL DC 5050 6V	50
Protective plate seout semiconductor LED FWHM / FWTM	, glass SEOUL DC 5050 6V Asymmetric	20 30 ⁴ 20 ⁴
Protective plate scoul semiconductor LED FWHM / FWTM Efficiency	, glass SEOUL DC 5050 6V Asymmetric 93 %	20 30 30 30 30 30 30 30 30 30 30 30 30 30
Protective plate	, glass SEOUL DC 5050 6V Asymmetric 93 % 0.5 cd/lm	20 30 30 30 30 30 30 30 30 30 30 30 30 30
Protective plate scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	, glass SEOUL DC 5050 6V Asymmetric 93 % 0.5 cd/lm 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2
Protective plate seous semiconoucror LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	, glass SEOUL DC 5050 6V Asymmetric 93 % 0.5 cd/lm	20 30 30 30 30 30 30 30 30 30 30 30 30 30
Protective plate seous semiconoucror LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	, glass SEOUL DC 5050 6V Asymmetric 93 % 0.5 cd/lm 1	20 20 20 20 20 20 20 20 20 20
Protective plate scoul semiconductor LED FWHM / FWTM Efficiency	, glass SEOUL DC 5050 6V Asymmetric 93 % 0.5 cd/lm 1	20 20 20 20 20 20 20 20 20 20
Protective plate seous semiconoucror LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	, glass SEOUL DC 5050 6V Asymmetric 93 % 0.5 cd/lm 1	20 20 20 20 20 20 20 20 20 20