

PRODUCT DATASHEET C17245_STRADA-2X2-5050-FR

STRADA-2X2-5050-FR

Asymmetric spotlight beam for floodlighting railway tracks according to Russian normative. Variant optimized for flat 5050 size LED packages.

SPECIFICATION:

Dimensions	50.0 x 50.0 mm
Height	11.8 mm
Fastening	pin, screw
ROHS compliant	yes 🛈



MATERIALS:

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

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17245_STRADA-2X2-5050-FR	800	160	160	12.1
» Box size: 480 x 280 x 300 mm				





OPTICAL RESULTS (MEASURED):

CONTRACTOR OF CONTRACTOR CONTRA T	LUXEON XR-5050 SQR (L213-xxxx016MRH001) Asymmetric 96 % 2 cd/lm 1 White	
Your solu LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	RecLED 173x50mm 2900lm 740 2x6 5050 Opt G1 Asymmetric 96 % 1.8 cd/lm 1 White	20 ⁻ 20
PHILLE FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 2x8 DA HE Asymmetric 97 % 2 cd/lm 1 White	



OPTICAL RESULTS (SIMULATED):

CREE ≑		90° 90°
LEDS	XP-G3	
FWHM / FWTM	Asymmetric	75*
Efficiency	84 %	
Peak intensity	4.2 cd/lm	60°
LEDs/each optic	1	
Light colour	White	gr det
Required components:		
rtoquiroù compononio.		3230
Protective plate	e, glass	
		30° 15° 0° 15°
	DS	90° 90°
LED	LUXEON 5050 HE	
FWHM / FWTM	Asymmetric	75 75
Efficiency	86 %	
Peak intensity	2.1 cd/lm	54 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
LEDs/each optic	1	
Light colour	White	a. a.
Required components:		
		- 1630
Protective plate	e, glass	
		30° 36°
		15° 0¢ 15°
MUMILED	S	90* 90*
LED	LUXEON 5050 Round LES	
LED	LUXEON 5050 Round LES	
LED FWHM / FWTM	LUXEON 5050 Round LES Asymmetric	
LED FWHM / FWTM Efficiency	LUXEON 5050 Round LES Asymmetric 93 %	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON 5050 Round LES Asymmetric 93 % 2.3 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Round LES Asymmetric 93 % 2.3 cd/lm 1	79
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES Asymmetric 93 % 2.3 cd/lm 1	g
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES Asymmetric 93 % 2.3 cd/lm 1	g
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES Asymmetric 93 % 2.3 cd/lm 1	300 62. 100 100 120 120 120 120 120 120 120 120
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES Asymmetric 93 % 2.3 cd/lm 1 White	g g g g
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES Asymmetric 93 % 2.3 cd/lm 1 White	30 62 62 72 72 72 72 72
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES Asymmetric 93 % 2.3 cd/lm 1 White	30 62 62 72 72 72 72 72
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES Asymmetric 93 % 2.3 cd/lm 1 White S LUXEON 5050 Round LES Asymmetric	30,4 30,4 30,4 30,4 30,0 30,4 42,4 90,0 90,4 52,5 90,0 90,4 53,6 90,0 90,4 54,4 90,0 90,4 52,5 90,4 90,4 53,6 90,4 90,4 54,4 90,4 90,4 55,4 90,4 90,4 54,4 90,4 90,4 55,4 90,4 90,4 55,4 90,4 90,4 55,4 90,4 90,4 55,4 90,4 90,4 55,4 90,4 90,4 55,4 90,4 90,4 55,4 90,4 90,4 55,4 90,4 90,4 55,4 90,4 90,4 55,4 90,4 90,4 55,4 90,4 90,4 55,4 90,4 90,4 55,4 90,4 90,4
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES Asymmetric 93 % 2.3 cd/lm 1 White S LUXEON 5050 Round LES Asymmetric 86 %	59 ⁴ 50 ⁴ 50 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES Asymmetric 93 % 2.3 cd/lm 1 White S LUXEON 5050 Round LES Asymmetric 86 % 2.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES Asymmetric 93 % 2.3 cd/lm 1 White S LUXEON 5050 Round LES Asymmetric 86 % 2.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES Asymmetric 93 % 2.3 cd/lm 1 White S LUXEON 5050 Round LES Asymmetric 86 % 2.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES Asymmetric 93 % 2.3 cd/lm 1 White S LUXEON 5050 Round LES Asymmetric 86 % 2.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: WIM / EUNILEC EWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES Asymmetric 93 % 2.3 cd/lm 1 White S LUXEON 5050 Round LES Asymmetric 86 % 2.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES Asymmetric 93 % 2.3 cd/lm 1 White S LUXEON 5050 Round LES Asymmetric 86 % 2.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: WIM / EVTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES Asymmetric 93 % 2.3 cd/lm 1 White S LUXEON 5050 Round LES Asymmetric 86 % 2.1 cd/lm 1 White	



OPTICAL RESULTS (SIMULATED):

UMILEI	DS S	90* 90*
LED	LUXEON 5050 Round LES	75*
FWHM / FWTM	Asymmetric	
Efficiency	86 %	60*
Peak intensity	2 cd/lm	- 800 -
LEDs/each optic	1	
Light colour	White	gr de la constante
Required components:		1630
Protective plat	e, glass	
	DS	50° 90
LED	LUXEON 5050 Square LES	
FWHM / FWTM	Asymmetric	75
Efficiency	86 %	
Peak intensity	1.7 cd/lm	601-
LEDs/each optic	1	
Light colour	White	47* es
Required components:		1200
Protective plat	e, glass	
		30* 15' 0' 15' 30
	05	50*
LED	LUXEON 5050 Square LES	25
FWHM / FWTM	Asymmetric	400
Efficiency	93 %	69
Peak intensity	1.8 cd/im	
LEDs/each optic		
	1	
Light colour	1 White	ar 1220
		a
Light colour		5° 500 500 500 500 500 500 500 500 500 5
Light colour		¢
Light colour		(e)
Light colour		
Light colour Required components: OSRAM Opto Semiconductors		94 34 35 300 15 X
Light colour Required components: Opto Semiconductors LED	White	94°
Light colour Required components: Opto Semiconductors LED FWHM / FWTM	White Duris S8	94 ³ 25 ³ 20 ³ 20 ³ 20 ³ 20 ³ 20 ³ 20 ³ 20 ³
Light colour Required components: OSRAM Opto Semiconductors	White Duris S8 Asymmetric	
Light colour Required components: OSRAM Optio Semiconductors LED FWHM / FWTM Efficiency	White Duris S8 Asymmetric 93 %	94 ³ 25 ³ 20 ³ 20 ³ 20 ³ 20 ³ 20 ³ 20 ³ 20 ³
Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	White Duris S8 Asymmetric 93 % 1.8 cd/lm	00 00 00 00 00 00 00 00 00 00 00 00 00
Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	White Duris S8 Asymmetric 93 % 1.8 cd/lm 1	
Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White Duris S8 Asymmetric 93 % 1.8 cd/lm 1	
Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White Duris S8 Asymmetric 93 % 1.8 cd/lm 1	



OPTICAL RESULTS (SIMULATED):

OSRAM		90* 90*
Opto Semiconductors	Duris S8	
FWHM / FWTM	Asymmetric	75°
Efficiency	86 %	× / 100
Peak intensity	1.6 cd/lm	60 ^s 60 ^s
LEDs/each optic	1	
Light colour	White	gr at
Required components:		
Protective plate	e, glass	
		400 viat
		15% 00 25%
PHILIPS		90* 90*
LED	Fortimo FastFlex LED 2x8 DA HE	74.
FWHM / FWTM	Asymmetric	
Efficiency	86 %	
Peak intensity	1.8 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 45*
Required components:		
Drotostivo plat		
Protective plate	e, glass	
		304 137 2050 157 364
SEOUL		
		010 010
SEOUL SEMICONDUCTOR		90° 90°
SEOUL SEMICONDUCTOR	SEOUL DC 5050 6V	27 26 26
seoul semiconductor LED FWHM / FWTM	Asymmetric	
seoul semiconductor LED FWHM / FWTM Efficiency	Asymmetric 86 %	77
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 86 % 1.8 cd/lm	77
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 86 % 1.8 cd/lm 1	37 60 80
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 1.8 cd/lm	84 35 36
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 86 % 1.8 cd/lm 1	37 20 20 20 20 20 20 20 20 20 20
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 86 % 1.8 cd/lm 1 White	37 20 20 20 20 20 20 20 20 20 20
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 1.8 cd/lm 1 White	37 20 20 20 20 20 20 20 20 20 20
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 86 % 1.8 cd/lm 1 White	37 20 20 20 20 20 20 20 20 20 20
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 86 % 1.8 cd/lm 1 White	30 00 120 120 120 120 120 120 120
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 86 % 1.8 cd/lm 1 White	3° ° ° 122 122 122 122 122 122 122 123 123 123
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 86 % 1.8 cd/lm 1 White e, glass SEOUL DC 5050 6V	32 33 33 32 34 35 35 36 36 37 37 36
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate seoul semiconductor LED FWHM / FWTM	Asymmetric 86 % 1.8 cd/lm 1 White e, glass SEOUL DC 5050 6V Asymmetric	30 00 120 120 120 120 120 120 120
seoul senconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate seoul senconductor LED FWHM / FWTM Efficiency	Asymmetric 86 % 1.8 cd/lm 1 White e, glass SEOUL DC 5050 6V Asymmetric 93 %	
seoul SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate seoul SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 86 % 1.8 cd/lm 1 White e, glass SEOUL DC 5050 6V Asymmetric 93 % 1.9 cd/lm	32 33 33 32 34 35 35 36 36 37 37 36
seoul senconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate seoul senconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 86 % 1.8 cd/lm 1 White e, glass SEOUL DC 5050 6V Asymmetric 93 % 1.9 cd/lm 1	
seoul semiconoucror LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 1.8 cd/lm 1 White e, glass SEOUL DC 5050 6V Asymmetric 93 % 1.9 cd/lm	
seoul senconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate seoul senconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 86 % 1.8 cd/lm 1 White e, glass SEOUL DC 5050 6V Asymmetric 93 % 1.9 cd/lm 1	
seoul semiconoucror LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 1.8 cd/lm 1 White e, glass SEOUL DC 5050 6V Asymmetric 93 % 1.9 cd/lm 1	
seoul semiconoucror LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 1.8 cd/lm 1 White e, glass SEOUL DC 5050 6V Asymmetric 93 % 1.9 cd/lm 1	
seoul semiconpuctor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate seoul semiconpuctor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 86 % 1.8 cd/lm 1 White e, glass SEOUL DC 5050 6V Asymmetric 93 % 1.9 cd/lm 1	