

PRODUCT DATASHEET C16378_STRADA-2X2-FR

STRADA-2X2-FR

Asymmetric spotlight beam for floodlighting railway tracks according to Russian normative

SPECIFICATION:

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



MATERIALS:

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

ORDERING INFORMATION:

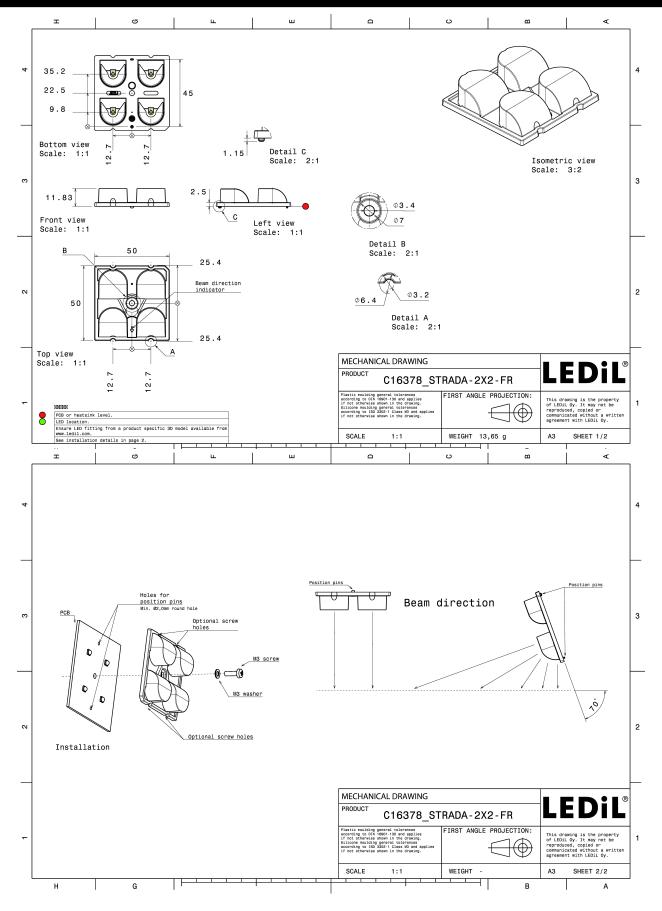
Component

C16378_STRADA-2X2-FR » Box size: 476 x 273 x 292 mm

Qty in box	MOQ	MPQ	Box weight (kg)
800		160	11.7



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



OPTICAL RESULTS (MEASURED):

		90* 90*
LED	XP-G2	
FWHM / FWTM	15.0 + 16.0° / 27.0 + 70.0°	75.
Efficiency	94 %	1000
Peak intensity	5.9 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	
Required compone		
rioquirod compone		4000
		300 32.0
		30° 30° 30°
		50°
LED	XP-G2	
FWHM / FWTM	15.0 + 16.0° / 26.0 + 69.0°	75*
Efficiency	90 %	1600 F0°
Peak intensity	5.8 cd/lm	$f \times / / $
LEDs/each optic	1	220
Light colour	White	er
Required compone	ints:	
		4830
Protective	plate, glass	
		30° 30° 30°
MCT		Y
Your solu	tions	90° 90°
		50 ⁺ 50 ⁺
LED FWHM / FWTM	RecLED 122x50mm 1900lm 730 2x4 Opt G1	20 ¹
LED FWHM / FWTM		20 500 Fr
LED FWHM / FWTM Efficiency	RecLED 122x50mm 1900lm 730 2x4 Opt G1 Asymmetric	60,
LED FWHM / FWTM	RecLED 122x50mm 1900lm 730 2x4 Opt G1 Asymmetric 97 %	90°
LED FWHM / FWTM Efficiency Peak intensity	RecLED 122x50mm 1900lm 730 2x4 Opt G1 Asymmetric 97 % 5.4 cd/lm	99° 90° 79 99 90° 70° 90° 70° 70° 70° 90° 70° 70° 70° 70° 70° 70° 70° 70° 70° 7
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	RecLED 122x50mm 1900lm 730 2x4 Opt G1 Asymmetric 97 % 5.4 cd/lm 1 White	5. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	RecLED 122x50mm 1900lm 730 2x4 Opt G1 Asymmetric 97 % 5.4 cd/lm 1 White	5° 20 0°,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	RecLED 122x50mm 1900lm 730 2x4 Opt G1 Asymmetric 97 % 5.4 cd/lm 1 White	5°* 5° 7' 60* 500 60* 6° 500 60* 6° 60* 6°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	RecLED 122x50mm 1900lm 730 2x4 Opt G1 Asymmetric 97 % 5.4 cd/lm 1 White	91 92 92 92 92 93 94 95 95 95 95 95 95 95 95 95 95 95 95 95
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	RecLED 122x50mm 1900lm 730 2x4 Opt G1 Asymmetric 97 % 5.4 cd/lm 1 White ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	RecLED 122x50mm 1900lm 730 2x4 Opt G1 Asymmetric 97 % 5.4 cd/lm 1 White ints:	94 94 95 95 95 95 95 95 95 95 95 95
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	RecLED 122x50mm 1900lm 730 2x4 Opt G1 Asymmetric 97 % 5.4 cd/lm 1 White ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	RecLED 122x50mm 1900lm 730 2x4 Opt G1 Asymmetric 97 % 5.4 cd/lm 1 White ints: NVSW219F 18.0 + 20.0° / 31.0 + 74.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	RecLED 122x50mm 1900lm 730 2x4 Opt G1 Asymmetric 97 % 5.4 cd/lm 1 White ints: NVSW219F 18.0 + 20.0° / 31.0 + 74.0° 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Required compone Efficiency Peak intensity	RecLED 122x50mm 1900lm 730 2x4 Opt G1 Asymmetric 97 % 5.4 cd/lm 1 White ints: NVSW219F 18.0 + 20.0° / 31.0 + 74.0° 94 % 4.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Equired compone NICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	RecLED 122x50mm 1900lm 730 2x4 Opt G1 Asymmetric 97 % 5.4 cd/lm 1 White ints: NVSW219F 18.0 + 20.0° / 31.0 + 74.0° 94 % 4.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Equired compone VICHIA Efficiency Peak intensity LEDs/each optic Light colour	RecLED 122x50mm 1900lm 730 2x4 Opt G1 Asymmetric 97 % 5.4 cd/lm 1 White INVSW219F 18.0 + 20.0° / 31.0 + 74.0° 94 % 4.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Equired compone NICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	RecLED 122x50mm 1900lm 730 2x4 Opt G1 Asymmetric 97 % 5.4 cd/lm 1 White INVSW219F 18.0 + 20.0° / 31.0 + 74.0° 94 % 4.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Equired compone VICHIA Efficiency Peak intensity LEDs/each optic Light colour	RecLED 122x50mm 1900lm 730 2x4 Opt G1 Asymmetric 97 % 5.4 cd/lm 1 White INVSW219F 18.0 + 20.0° / 31.0 + 74.0° 94 % 4.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Equired compone VICHIA Efficiency Peak intensity LEDs/each optic Light colour	RecLED 122x50mm 1900lm 730 2x4 Opt G1 Asymmetric 97 % 5.4 cd/lm 1 White INVSW219F 18.0 + 20.0° / 31.0 + 74.0° 94 % 4.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIM LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	RecLED 122x50mm 1900lm 730 2x4 Opt G1 Asymmetric 97 % 5.4 cd/lm 1 White INVSW219F 18.0 + 20.0° / 31.0 + 74.0° 94 % 4.4 cd/lm 1 White	



OPTICAL RESULTS (MEASURED):

ØNICHI		30 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW319B 20.0 + 22.0° / 34.0 + 76.0° 94 % 3.9 cd/lm 1 White nts:	
Opis Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON Square PC 14.0 + 15.0° / 27.0 + 71.0° 94 % 5.6 cd/lm 1 White nts:	
soul semconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z5M3 Asymmetric 94 % 3.6 cd/lm 1 White nts:	



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CREE ≑		90* 90*
LEDS	XP-G2 HE	
FWHM / FWTM	18.0 + 21.0° / 34.0 + 70.0°	25* 25*
Efficiency	92 %	
Peak intensity	4.4 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	9 ¹
Required components:		
		30°
		30 15° 480 15°
		90° 50°
LED	XP-G3	
FWHM / FWTM	17.0 + 18.0° / 32.0 + 72.0°	
Efficiency	92 %	60° 60°
Peak intensity	4.8 cd/lm	$\langle \langle \rangle \rangle = \langle \rangle \langle \rangle \rangle$
LEDs/each optic	1	
Light colour	White	er
Required components:		3230
		36°
CREE 🚖		
		90 ⁴ 90 ⁴
LED	XP-G3	25- 29* 29*
LED FWHM / FWTM	Asymmetric	99 ⁴
LED FWHM / FWTM Efficiency	Asymmetric 85 %	99 ⁴
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 85 % 4.2 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 85 % 4.2 cd/lm 1	99° 99° 99° 99° 99° 99° 99°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 85 % 4.2 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 85 % 4.2 cd/lm 1	99° 99° 99° 99° 99° 99° 99°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 85 % 4.2 cd/lm 1 White	99° 99° 99° 99° 99° 99° 99° 99° 99° 99°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 85 % 4.2 cd/lm 1 White	99° 99° 99° 99° 99° 99° 99° 99° 99° 99°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 85 % 4.2 cd/lm 1 White	99° 99° 99° 99° 99° 99° 99° 99° 99° 99°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 85 % 4.2 cd/lm 1 White	gr 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 85 % 4.2 cd/lm 1 White e, glass	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	Asymmetric 85 % 4.2 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate CONTINUED LED FWHM / FWTM	Asymmetric 85 % 4.2 cd/lm 1 White e, glass	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate CONTINUE LED FWHM / FWTM Efficiency	Asymmetric 85 % 4.2 cd/lm 1 White e, glass LUXEON TX 15.0 + 16.0° / 28.0 + 66.0°	39* 30* 39* 30* 39* 30* 39* 30*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate CONTINUED LED FWHM / FWTM	Asymmetric 85 % 4.2 cd/lm 1 White e, glass LUXEON TX 15.0 + 16.0° / 28.0 + 66.0° 93 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate CONTINUE LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 85 % 4.2 cd/lm 1 White e, glass LUXEON TX 15.0 + 16.0° / 28.0 + 66.0° 93 % 6.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate CONTINUES LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 85 % 4.2 cd/lm 1 White e, glass LUXEON TX 15.0 + 16.0° / 28.0 + 66.0° 93 % 6.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate CONTINUES LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 85 % 4.2 cd/lm 1 White e, glass LUXEON TX 15.0 + 16.0° / 28.0 + 66.0° 93 % 6.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate CONTINUES LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 85 % 4.2 cd/lm 1 White e, glass LUXEON TX 15.0 + 16.0° / 28.0 + 66.0° 93 % 6.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate CONTINUE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 85 % 4.2 cd/lm 1 White e, glass LUXEON TX 15.0 + 16.0° / 28.0 + 66.0° 93 % 6.6 cd/lm 1	



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LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	LUXEON XR-HL2X (L2H2-xxxxxxMLU010) 20.0 + 23.0° / 46.0 + 76.0° 85 % 2 cd/lm 1 White	20 20 20 20 20 00 00 00 00 00 00 00
	5	90 ⁺
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON XR-HL2X (L2H2-xxxxxxMLU010) 20.0 + 22.0° / 44.0 + 75.0° 95 % 2.2 cd/lm 1 White	27 61 51 51 50 50 50 50 50 50 50 50 50 50 50 50 50
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LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NV4WB35AM 22.0 + 24.0° / 44.0 + 82.0° 94 % 3 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	NV4WB35AM Asymmetric 88 % 2.7 cd/lm 1 White	90 91 92 92 93 90 90 90 90 90 90 90 90 90 90 90 90 90

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ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSW519A 23.0 + 24.0° / 52.0 + 79.0° 93 % 1.8 cd/lm 1 White	20° 20°
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSW519A 23.0 + 25.0° / 53.0 + 79.0° 88 % 1.8 cd/lm 1 White	
Protective plate	e, glass	200 200 200 200 200 200 200 200 200 200
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSxE21A 12.0 + 13.0° / 25.0 + 67.0° 93 % 7.6 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NWSx229A 24.0 + 25.0° / 42.0 + 81.0° 93 % 2.8 cd/lm 1 White	200 200 64. 66. 100 100 100 100 100 100 100 10



Advicementations LED OSCONIQ P 3737 (2W version) EVINIA / VZB.0 + 65.0° Efficiency 39.% Peak intensity 6.9 codim LED/seach optic 1 Light colour White Required components: EVINIA / EVINIA 20.0 + 22.0° / 38.0 + 70.0° Efficiency 94 % Peak intensity 6.9 codim LED/seach optic 1 Light colour White Required components: EVINIA / EVINIA / 26.0 + 52.0° Efficiency 86 % EVINIA / FVITIA 13.0 + 14.0° / 26.0 + 52.0° Efficiency 86 % Peak intensity 6.6 codim LED/seach optic 1 Light colour White Required components: EVINIA / FVITIA 13.0 + 14.0° / 26.0 + 52.0° Efficiency 86 % Peak intensity 6.6 codim LED/seach optic 1 Light colour White Required components: EVINIA / FVITIA 13.0 + 14.0° / 26.0 + 52.0° Efficiency 86 % Peak intensity 6.6 codim LED/seach optic 1 Light colour White Required components: Protective plate, glass EVINIA / FVITIA 13.0 + 14.0° / 26.0 + 53.0° Efficiency 93 % Peak intensity 6.9 codim LED/seach optic 1 Light colour White			
LED OSCONIQ P 3737 (2W version) FWHM / FWTM 14.0* / 28.0 + 65.0* FRichancy 39 % Peak intensity 6 30 cdfm LEDVectory White Required components:	OSRAM Opto Semiconductors		90° 90°
PWHM / PWTM 140 / 28.0 + 65.0 ° Elicionary 33 % Paak Intensity 6.0 colm LED-Xeedro polic 1 LED-Xeedro		OSCONIQ P 3737 (2W version)	
Efficiency 93 % Peak intensity 6.9 cd/m LED/each optic VMHz Required components:			75
Peak Intensity 6.9 cd/m LED2/each optic 1 LED2/each optic 1 UP INT /FVTTM 13.0 + 14.0* / 28.0 + 53.0* Efficiency 94% Peak Intensity 6.6 cd/m LED2/each optic 1 Lght colour White Required components: Protective plate, glass PVMM / FVTTM 13.0 + 14.0* / 28.0 + 53.0* Efficiency 95% Peak Intensity 6.9 cd/m LED2/each optic 1 Lght colour White Required components: Protective plate, glass PVMM / FVTTM 13.0 + 14.0* / 28.0 + 53.0* Efficiency 95% Peak Intensity 6.9 cd/m LED2/each optic 1 Lght colour White Required components: Protective plate, glass PVMM / FVTTM 13.0 + 14.0* / 28.0 + 53.0* Efficiency 95% Peak Intensity 6.9 cd/m LED2/each optic 1 Lght colour White Required components: Protective plate, glass PVMM / FVTTM 13.0 + 14.0* / 28.0 + 53.0* Efficiency 95% Peak Intensity 6.9 cd/m LED2/each optic 1 Lght colour White Required components: Protective plate, glass PVMM / FVTTM 13.0 + 14.0* / 28.0 + 53.0* Efficiency 93% Peak Intensity 6.9 cd/m LED2/each optic 1 Lght colour White			
LEDeleach optic 1 Light colour White Required components: OSRAM Destination Manual Components: CORRECT LED OSCONIO P 3737 (3W version) PWHM / PWTM 20.0 + 22.0° / 38.0 + 76.0° Efficiency 94 % Peak intensity 3.8 cd/m LEDs/each optic 1 Light colour White Required components: Pose CSRAM LEDs/each optic 2 Efficiency 84 % Peak intensity 6.6 cd/m LEDs/each optic 1 LEDs/each optic 2 Pose CSRAM Peak intensity 6.6 cd/m LEDs/each optic 2 CSRAM Required components: Protective plate, glass ED OSLON Square CSSRM2/CSSRM3 ED/ Pose CSRAM LEDs/each optic 2 ED OSLON Square CSSRM2/CSSRM3 Posk intensity 6.6 cd/m LEDs/each optic 2 ED OSLON Square CSSRM2/CSSRM3 Posk intensity 6.6 cd/m LEDs/each optic 2 LED Components: Protective plate, glass ED OSLON Square CSSRM2/CSSRM3 Posk intensity 6.3 cd/m LEDs/each optic 1 LEDs/each optic 1 LEDs/ea	-		60° 60°
Light colour White Required components: LED OSCONQ P 3737 (3W version) EVMM / FVTM 20.0 + 22.0° / 38.0 + 76.0° Efficiency 94 % Peak intensity 38.3 cd/m LEDa/sech optic 1 Light colour White Required components: LED OSLON Square CSSRM2/CSSRM3 FVMM / FVTM 13.0 + 14.0° / 26.0 + 52.0° Efficiency 86 % Peak intensity 6.6 cd/m LEDa/sech optic 1 Light colour White Required components: Protective plate, glass EVMM / FVTM 13.0 + 14.0° / 26.0 + 53.0° Efficiency 93 % Peak intensity 6.9 cd/m LEDa/sech optic 1 Light colour White Required components: Protective plate, glass EVMM / FVTM 13.0 + 14.0° / 26.0 + 53.0° Efficiency 93 % Peak intensity 6.9 cd/m LEDa/sech optic 1 Light colour White Required components: Protective plate, glass			320
Required components: CSRAM LED OSCONIQ P 3737 (3W version) EVMH // FVTTM 20.0 + 22.0' / 38.0 + 76.0' Efficiency 94 % Peak intensity 38.cd/im LED&/each optic 1 Light colour White Required components: Poscame LED OSLON Square CSSRM2/CSSRM3 FWM // FVTTM 13.0 + 14.0' / 26.0 + 52.0' Efficiency 86 % Peak intensity 6.6 cd/im LED&/each optic 1 LED/each optic 1 L			gr
OSCONO With Model OSCONIQ P 3737 (3W version) EWHM / FVTM 20.0 + 22.0' / 38.0 + 76.0'' EMicinacy 94 % Peak intensity 38.0 d/m LEDbeach optic 1 Light colour White Required components: Image: Components Components: OSLON Square CSSRM2/CSSRM3 FWHM / FVTM 13.0 + 14.0'' / 28.0 + 52.0'' Efficiency 86 % Peak intensity 6.6 cd/m LEDbraceh optic 1 Light colour White Required components: Image: Components Peak intensity 6.6 cd/m LED conscience in the space Image: Components Efficiency 86 % Peak intensity 6.6 cd/m LEDbraceh optic 1 Light colour White Required components: Image: Components Protective plate, glass Image: Components LED OSLON Square CSSRM2/CSSRM3 FWHM / FWTM 13.0 + 14.0'' / 28.0 + 53.0'' Efficiency 9.3 % Peak intensity 6.9 cd/m LED consch optic 1 </th <th></th> <th></th> <th>4830</th>			4830
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LED OSCONIQ P 3737 (3W version) FWHM / FWTM 20.0 + 22.0° / 38.0 + 76.0° Efficiency 94 % Peak intensity 3.8 cd/m LEDs/each optic 1 Light colour White Required components: Protective plate, glass Protective plate, glass Peak intensity 6.9 cd/m LEDS OSLON Square CSSRM2/CSSRM3 FWHM / FWTM 13.0 + 14.0° / 26.0 + 53.0° Efficiency 93 % Peak intensity 6.9 cd/m LEDS/each optic 1 LEDS/each optic 1 LEDS/e	OSRAM Opto Semiconductors		50° 90°
FWHM / FWTM 20.0 + 22.0 * / 38.0 + 76.0 * Efficiency 94 % Peak intensity 3.8 cd/m LEDs/each optic 1 Light colour White Required components: DOSRAM DEDD OSLON Square CSSRM2/CSSRM3 FWHM / FWTM 13.0 + 14.0 * / 26.0 + 52.0 * Efficiency 86 % Peak intensity 6.6 cd/m LEDD & 6.6 cd/m LEDD & 6.6 cd/m LEDS/each optic 1 Light colour White Required components: Protective plate, glass DSRAM Section 93 % Peak intensity 6.9 cd/m LEDS/each optic 1 Light colour White	LED	OSCONIQ P 3737 (3W version)	
Peak intensity 3.8 cd/lm LEDs/each optic 1 Light colour White Required components:	FWHM / FWTM		25* 27*
Peak intensity 3.8 cd/lm LEDs/each optic 1 Light colour White Required components:	Efficiency		
LEDs/each optic 1 Light colour White Required components:	-	3.8 cd/lm	60 ⁵ UP
Light colour White Required components: Vorsementation Question of the second of th		1	
Required components: COSECM Systematication Definition Systematication Definition Second	Light colour	White	47° (1940) (1940)
CSEAL Description: LED OSLON Square CSSRM2/CSSRM3 FWHM / FWTM 13.0 + 14.0° / 26.0 + 52.0° Efficiency 86 % Peak intensity 6.6 cd/m LEDs/each optic 1 Light colour White Required components: Protective plate, glass COSEAN FWHM / FWTM 13.0 + 14.0° / 26.0 + 53.0° Efficiency 93 % Peak intensity 6.9 cd/m LEDs/each optic 1 Light colour White	Required components:		
CSEAL Description: LED OSLON Square CSSRM2/CSSRM3 FWHM / FWTM 13.0 + 14.0° / 26.0 + 52.0° Efficiency 86 % Peak intensity 6.6 cd/m LEDs/each optic 1 Light colour White Required components: Protective plate, glass COSEAN FWHM / FWTM 13.0 + 14.0° / 26.0 + 53.0° Efficiency 93 % Peak intensity 6.9 cd/m LEDs/each optic 1 Light colour White			
CSEAL Description: LED OSLON Square CSSRM2/CSSRM3 FWHM / FWTM 13.0 + 14.0° / 26.0 + 52.0° Efficiency 86 % Peak intensity 6.6 cd/m LEDs/each optic 1 Light colour White Required components: Protective plate, glass COSEAN FWHM / FWTM 13.0 + 14.0° / 26.0 + 53.0° Efficiency 93 % Peak intensity 6.9 cd/m LEDs/each optic 1 Light colour White			
CSEAL Description: LED OSLON Square CSSRM2/CSSRM3 FWHM / FWTM 13.0 + 14.0° / 26.0 + 52.0° Efficiency 86 % Peak intensity 6.6 cd/m LEDs/each optic 1 Light colour White Required components: Protective plate, glass COSEAN FWHM / FWTM 13.0 + 14.0° / 26.0 + 53.0° Efficiency 93 % Peak intensity 6.9 cd/m LEDs/each optic 1 Light colour White			316 356
Specifications LED OSLON Square CSSRM2/CSSRM3 FWHM / FWTM 13.0 + 14.0° / 26.0 + 52.0° Efficiency 86 % Peak intensity 6.6 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass COSCAM Specification 2 3 % Peak intensity 6.9 cd/lm LED OSLON Square CSSRM2/CSSRM3 FWHM / FWTM 13.0 + 14.0° / 26.0 + 53.0° Efficiency 93 % Peak intensity 6.9 cd/lm LEDs/each optic 1 Light colour White			
LED OSLON Square CSSRM2/CSSRM3 FWHM / FWTM 13.0 + 14.0° / 26.0 + 52.0° Efficiency 86 % Peak intensity 6.6 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass COSREM Due Semicature LED OSLON Square CSSRM2/CSSRM3 FWHM / FWTM 13.0 + 14.0° / 26.0 + 53.0° Efficiency 93 % Peak intensity 6.9 cd/lm LEDs/each optic 1 Light colour White	OSRAM Opto Semiconductors		90° 90°
FWHM / FWTM 13.0 + 14.0° / 26.0 + 52.0° Efficiency 86 % Peak intensity 6.6 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass Protective plate, glass Protective plate, glass Protective plate, glass FWHM / FWTM 13.0 + 14.0° / 26.0 + 53.0° Efficiency 93 % Peak intensity 6.9 cd/lm LEDs/each optic 1 Light colour White			
Efficiency 86 % Peak intensity 6.6 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass OSERM Output Semiconductors LED OSLON Square CSSRM2/CSSRM3 FWHM / FWTM 13.0 + 14.0° / 26.0 + 53.0° Efficiency 93 % Peak intensity 6.9 cd/lm LEDs/each optic 1 Light colour White	LED	OSLON Square CSSRM2/CSSRM3	
Peak intensity 6.6 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass Protective plate, glass	LED FWHM / FWTM		
LEDs/each optic 1 Light colour White Required components: Protective plate, glass	FWHM / FWTM	13.0 + 14.0° / 26.0 + 52.0°	
Light colour White Required components: Protective plate, glass OSERM Opto Semiconductors LED OSLON Square CSSRM2/CSSRM3 FWHM / FWTM 13.0 + 14.0° / 26.0 + 53.0° Efficiency 93 % Peak intensity 6.9 cd/lm LEDS/each optic 1 Light colour White	FWHM / FWTM Efficiency	13.0 + 14.0° / 26.0 + 52.0° 86 %	
Protective plate, glass Image: Constraint of the semiconductors OSERAM Image: Constraint of the semiconductors LED OSLON Square CSSRM2/CSSRM3 FWHM / FWTM 13.0 + 14.0° / 26.0 + 53.0° Efficiency 93 % Peak intensity 6.9 cd/lm LEDs/each optic 1 Light colour White	FWHM / FWTM Efficiency Peak intensity	13.0 + 14.0° / 26.0 + 52.0° 86 % 6.6 cd/lm	25- 500 60-
OSRAM Opto Semiconductors LED OSLON Square CSSRM2/CSSRM3 FWHM / FWTM 13.0 + 14.0° / 26.0 + 53.0° Efficiency 93 % Peak intensity 6.9 cd/lm LEDs/each optic 1 Light colour White	FWHM / FWTM Efficiency	13.0 + 14.0° / 26.0 + 52.0° 86 % 6.6 cd/lm 1	199 664 1200
OSRAM Opto Semiconductors LED OSLON Square CSSRM2/CSSRM3 FWHM / FWTM 13.0 + 14.0° / 26.0 + 53.0° Efficiency 93 % Peak intensity 6.9 cd/lm LEDs/each optic 1 Light colour White	FWHM / FWTM Efficiency Peak intensity LEDs/each optic	13.0 + 14.0° / 26.0 + 52.0° 86 % 6.6 cd/lm 1	199 664 1200
OSRAM Ogle Semiconductors LED OSLON Square CSSRM2/CSSRM3 FWHM / FWTM 13.0 + 14.0° / 26.0 + 53.0° Efficiency 93 % Peak intensity 6.9 cd/lm LEDs/each optic 1 Light colour White	FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	13.0 + 14.0° / 26.0 + 52.0° 86 % 6.6 cd/lm 1 White	199 664 1200
Opto Semiconductors Image: Constraint of the semiconductors LED OSLON Square CSSRM2/CSSRM3 FWHM / FWTM 13.0 + 14.0° / 26.0 + 53.0° Efficiency 93 % Peak intensity 6.9 cd/lm LEDs/each optic 1 Light colour White	FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	13.0 + 14.0° / 26.0 + 52.0° 86 % 6.6 cd/lm 1 White	56°
LED OSLON Square CSSRM2/CSSRM3 FWHM / FWTM 13.0 + 14.0° / 26.0 + 53.0° Efficiency 93 % Peak intensity 6.9 cd/lm LEDs/each optic 1 Light colour White	FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	13.0 + 14.0° / 26.0 + 52.0° 86 % 6.6 cd/lm 1 White	25- 50- 60- 60- 60- 60- 60- 60- 60- 60- 60- 6
FWHM / FWTM 13.0 + 14.0° / 26.0 + 53.0° Efficiency 93 % Peak intensity 6.9 cd/lm LEDs/each optic 1 Light colour White	FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	13.0 + 14.0° / 26.0 + 52.0° 86 % 6.6 cd/lm 1 White	25 64 65 60 60 60 60 60 60 60 60 60 60 60 60 60
Efficiency 93 % Peak intensity 6.9 cd/lm LEDs/each optic 1 Light colour White	FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	13.0 + 14.0° / 26.0 + 52.0° 86 % 6.6 cd/lm 1 White	25 64 65 60 60 60 60 60 60 60 60 60 60 60 60 60
Peak intensity 6.9 cd/lm LEDs/each optic 1 Light colour White	FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	13.0 + 14.0° / 26.0 + 52.0° 86 % 6.6 cd/lm 1 White 9, glass OSLON Square CSSRM2/CSSRM3	30.4 30.4 30.4 30.4 30.5 40.4 40.4 30.5 40.4 40.4 40.4 30.5 40.4 40.4 40.4 30.5 40.4 40.4 40.4 30.5 40.4 40.4 40.4 30.5 40.4 40.4 40.4
LEDs/each optic 1 Light colour White	FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate OSERAM Opto Semiconductors LED FWHM / FWTM	13.0 + 14.0° / 26.0 + 52.0° 86 % 6.6 cd/lm 1 White 0SLON Square CSSRM2/CSSRM3 13.0 + 14.0° / 26.0 + 53.0°	94. 96. 96. 97. 97. 97. 97. 97. 97. 97. 97
Light colour White	FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	13.0 + 14.0° / 26.0 + 52.0° 86 % 6.6 cd/lm 1 White e, glass OSLON Square CSSRM2/CSSRM3 13.0 + 14.0° / 26.0 + 53.0° 93 %	94. 96. 96. 97. 97. 97. 97. 97. 97. 97. 97
	FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	13.0 + 14.0° / 26.0 + 52.0° 86 % 6.6 cd/lm 1 White e, glass OSLON Square CSSRM2/CSSRM3 13.0 + 14.0° / 26.0 + 53.0° 93 % 6.9 cd/lm	94. 96. 96. 97. 97. 97. 97. 97. 97. 97. 97
Required components:	FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Optic Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	13.0 + 14.0° / 26.0 + 52.0° 86 % 6.6 cd/lm 1 White e, glass OSLON Square CSSRM2/CSSRM3 13.0 + 14.0° / 26.0 + 53.0° 93 % 6.9 cd/lm 1	
30 15 10 11 10 10 10 10 10 10 10 10 10 10 10	FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	13.0 + 14.0° / 26.0 + 52.0° 86 % 6.6 cd/lm 1 White e, glass OSLON Square CSSRM2/CSSRM3 13.0 + 14.0° / 26.0 + 53.0° 93 % 6.9 cd/lm 1	
20 10 10 10 10 10 10 10 10 10 10 10 10 10	FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Optic Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	13.0 + 14.0° / 26.0 + 52.0° 86 % 6.6 cd/lm 1 White e, glass OSLON Square CSSRM2/CSSRM3 13.0 + 14.0° / 26.0 + 53.0° 93 % 6.9 cd/lm 1	
30 127 av 117 304	FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	13.0 + 14.0° / 26.0 + 52.0° 86 % 6.6 cd/lm 1 White e, glass OSLON Square CSSRM2/CSSRM3 13.0 + 14.0° / 26.0 + 53.0° 93 % 6.9 cd/lm 1	
	FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	13.0 + 14.0° / 26.0 + 52.0° 86 % 6.6 cd/lm 1 White e, glass OSLON Square CSSRM2/CSSRM3 13.0 + 14.0° / 26.0 + 53.0° 93 % 6.9 cd/lm 1	



SAMSUI	NG	90 ⁴ 90 ⁴
LED	LH351B	75.
FWHM / FWTM	18.0 + 19.0° / 32.0 + 70.0°	
Efficiency	94 %	6gs 500 500
Peak intensity	5 cd/lm	
LEDs/each optic	1	
Light colour	White	97
Required components:		34° 137 0° 137
SAMSUI	NG	90%
LED	LH351C	
FWHM / FWTM	18.0 + 20.0° / 33.0 + 71.0°	73.
Efficiency	94 %	605 607
Peak intensity	4.6 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 45*
Required components:		30° 50° 30°
SAMSUI	NG	90°
LED	LH351D	75
FWHM / FWTM	22.0 + 26.0° / 41.0 + 77.0°	
Efficiency	94 %	50 ¹ 50 ¹
Peak intensity	3 cd/lm	
LEDs/each optic	1	1600
Light colour	White	45 65
Required components:		205



PRODUCT DATASHEET C16378_STRADA-2X2-FR

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:

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