

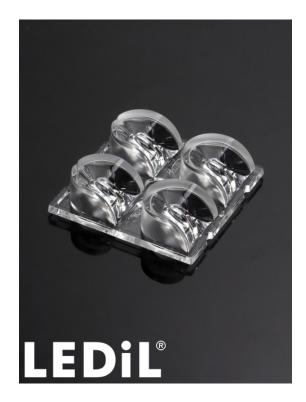
# PRODUCT DATASHEET C16378\_STRADA-2X2-FR

# STRADA-2X2-FR

Asymmetric spotlight beam for floodlighting railway tracks according to Russian normative

### **TECHNICAL SPECIFICATIONS:**

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



### MATERIAL SPECIFICATIONS:

ComponentTypeMaterialColourFinishSTRADA-2X2-FRMulti-lensPMMAclear

### **ORDERING INFORMATION:**

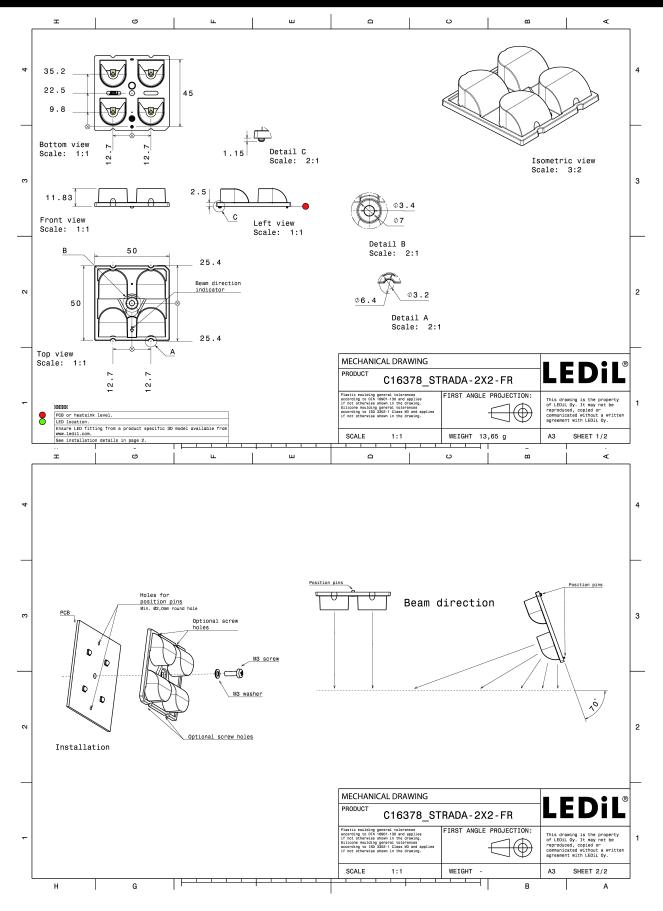
#### Component

C16378\_STRADA-2X2-FR » Box size: 476 x 273 x 292 mm

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



# PRODUCT DATASHEET C16378\_STRADA-2X2-FR



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



### **PHOTOMETRIC DATA (MEASURED):**

PVHH / FVTM (5.0 + 16.0* / 26.0 + 69.0* Efficiency 90 % Reak intensity 6.3 cd/m LED%each optic 1 Lipht colour White Required components: Protective plate, glass CREEC LED XP-G2 PVHH / FVTM (5.0 + 16.0* / 27.0 + 70.0* Efficiency 94 % Peak intensity 0.3 cd/m LED%each optic 1 Lipht colour White Required components: LED MercLED 122:50mm 1900m 730 2x4 Opt G1 PVHH / FVTM Asymmetric Efficiency 97 % cd/m LED%each optic 1 LED%each optic 1 LED%eac			
LED XP-G2 PWH/ FWT 150 + 16,0 / 22,0 + 69,0" Eticiancy 90 % Preak iteraty 5,8 cd/m LED while Required components: Protective plate, glass CREE LED XP-G2 FWH/ FWTM 150 + 16,0 / 22,2 + 70,0" Eticiancy 94 % PWH/ FWTM 150 + 16,0 / 22,2 + 70,0" Eticiancy 94 % PWH/ FWTM 150 + 16,0 / 22,2 + 70,0" Eticiancy 94 % PWH/ FWTM 150 + 16,0 / 22,2 + 70,0" Eticiancy 94 % PWH/ FWTM 150 + 16,0 / 22,2 + 70,0" Eticiancy 94 % PWH/ FWTM 150 + 16,0 / 22,2 + 70,0" Eticiancy 94 % PWH/ FWTM 150 + 16,0 / 22,2 + 70,0" Eticiancy 94 % PWH/ FWTM 150 + 10,0 / 22,2 + 70,0" Eticiancy 94 % PWH/ FWTM 2000 T While Required components: Eticiancy 07 % Peak Intensity 5,4 cd/m LED NVSW219F FWH/ FWTM 150 + 20,0 / 31,0 + 74,0" Eticiancy 94 % Peak Intensity 4,4 cd/m LED VVSW219F FWH/ FWTM 150 + 20,0 / 31,0 + 74,0" Eticiancy 04 % Peak Intensity 4,4 cd/m LED NVSW219F FWH/ FWTM 150 + 20,0 / 31,0 + 74,0" Eticiancy 04 % Peak Intensity 4,4 cd/m LED NVSW219F FWH/ FWTM 150 + 20,0 / 31,0 + 74,0" Eticiancy 04 % Peak Intensity 4,4 cd/m LED NVSW219F FWH/ FWTM 150 + 20,0 / 31,0 + 74,0" Eticiancy 04 % Peak Intensity 4,4 cd/m LED NVSW219F FWH/ FWTM 150 + 20,0 / 31,0 + 74,0" Eticiancy 04 % Peak Intensity 4,4 cd/m LED NVSW219F FWH/ FWTM 150 + 20,0 / 31,0 + 74,0" Eticiancy 04 % Peak Intensity 4,4 cd/m LED NVSW219F FWH/ FWTM 150 + 20,0 / 31,0 + 74,0" Eticiancy 04 % Peak Intensity 4,4 cd/m Eticoncy 04 % Peak Intensity 4,4 cd	CREE -		90° 90°
PAYMA / FVTM 15.0 + 16.0 / 25.0 + 63.0" Efficiency 20.3% Pask intensity 25.0 cMm Required components: Protective plate, glass CREEE $\Leftrightarrow$ LED XP-G2 PWM / FVTM 15.0 + 16.0' / 27.0 + 70.0" Efficiency 44 % PAsk intensity 5.9 cMm LED% ach optio 1 LED% ach opt	LED		
Efficiency 90% Peak intensity 5.8 callim Light colour White Required components: Protective plate, glass CREE © LED XP-C2 PMM/ FWTM 150+60/727.0+70.0° Efficiency 94% Peak intensity 5.9 cd/m Light colour White Required components: Point State EDS State Required components: Protective plate, glass MST State EDS State Part Results EDS State EDS State			75' 75'
Pask intensity 6.8 cd/in LEDwisech optic 1 Light calcur White Required components: Protective plate, glass CREE © LED XP-G2 FWHM / FWTM 15.0 + 16.0" / Z7.0 + 70.0" Efficiency 94 % Required components: ED Newsee LED RedLED 122x50mm 1900im 730 2x4 Opt G1 FWHM / FWTM 8 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWHM / FWTM 8 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWHM / FWTM 8 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWHM / FWTM 8 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWHM / FWTM 8 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWHM / FWTM 8 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWHM / FWTM 8 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWHM / FWTM 8 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWHM / FWTM 8 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWTM / FWTM 8 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWTM / FWTM 8 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWTM / FWTM 8 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWTM / FWTM 8 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWTM / FWTM 8 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWTM / FWTM 8 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWTM / FWTM 8 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWTM / FWTM 8 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWTM / FWTM 8 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWTM / FWTM 8 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWTM / FWTM 8 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWTM / FWTM 8 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWTM / FWTM 8 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWTM / FWTM 8 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWTM / FWTM 8 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWTM / FWTM 8 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWTM / FWTM 18 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWTM / FWTM 18 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWTM / FWTM 18 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWTM / FWTM 18 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWTM / FWTM 18 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWTM / FWTM 18 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWTM / FWTM 18 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWTM / FWTM 18 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWTM / FWTM 18 cd.ED 122x50mm 1900im 730 2x4 Opt G1 FWTM / F	Efficiency		500
LEDviant point 1 Light toolour M White Required components: Protective plate, glass			60°
Light colour White Required components: Protective plate, glass CREE © LED XP-G2 EVM // FVTM 15,0+16,0*/27,0+70.0* Emicineny 94% Peak intensity 5,9 culim LED washing LED washing Required components: EVENUME			
Required components: Protective plate, glass CREEC LEO KR-G2 EVMH / FVTM 15:0 + 16:0 + 27:0 + 70:0" Efficiency 94 % Peak Intensity 0:3 0:01/m LEDVecked plate 1 Light colour White Required components: MONTEN LED Kentensity Protective LED Kentensity Protective Required components: MONTEN LEDVecked plate 1 LEDVecked pla			2000 - 47* 47*
Protective plate, glass			
CREE LD XP-02 EVMH /FVTM 15.0+16.0*/27.0+70.0* Etidiency 34% Peak intensity 5.9 cd/m LEDS/each optie 1 LEDS/each optie 1 LEDS/each optie 1 Light colour White Required components: EVENUE EDS/each optie 1 Light colour White Required components:			
Image: Control of the second secon	Protective	plate, glass	
LED XP-G2 FWHM / FWTM 15.0+ 160' / 27.0 + 70.0° Efficiency 94 % Peak intensity 5.9 cot/m LED/seach optic 1 Light colour White Required components:			344 344
LED XP-G2 FWHM / FWTM 15.0+ 160' / 27.0 + 70.0° Efficiency 94 % Peak intensity 5.9 cot/m LED/seach optic 1 Light colour White Required components:		<u> </u>	
FWHM / FVTM  15.0 + 16.0° / 27.0 + 70.0°    Efficiency  94 %    Peak intensity  5.9 cd/m    LED seach optic  1    Light colour  White    Required components:	CREE -		90* 90*
EVMM / FVTM  15.0 + 16.0° / 27.0 + 70.0°    Endicinicy  94 %    Peak Intensity  5.9 cd/m    LEDSeach optic  1    Light colour  White    Required components:  Image: Color of the	LED	XP-G2	75
Peak intensity 5.9 cd/lm LEDS each optic 1 LEDS and optic 1 LEDS RecLED 122x50mm 1900m 730 2x4 Opt G1 WMM / FWTM Asymmetric Efficiency 97 % Peak intensity 5.4 cd/lm LEDS and rot 1 Light colour White Required components: WICCHIA LED NVSW219F WHM / FVTM 18.0 + 20.0° / 31.0 + 74.0° Efficiency 94 % Peak intensity 4.4 cd/lm LEDS wach optic 1 Light colour White Required components: Wite Required components:	FWHM / FWTM		
LEDs/each optic 1 Light colour White Required components: LED RecLED 122x50mm 1900im 730 2x4 Opt G1 EVVHM / FVVTM Asymmetric Efficiency 97% Peak intensity 5.4 cd/lm LEDs/each optic 1 Light colour White Required components: EVICHINE LED NVSW219F FVVHM / St.0 + 20.07 / 31.0 + 74.0° Efficiency 94% Peak intensity 4.4 cd/lm LEDs/each optic 1 LEDs/each optic 1	Efficiency	94 %	60° 50°
Light colour White Required components: LED RecLED 122x50mm 1900im 730 2x4 Opt G1 FWHM / FWTM Asymmetric Efficiency 97% Peak intensity 5.4 col/m LEDs/each optic 1 Light colour White Required components:	Peak intensity	5.9 cd/lm	$\times$ / / $\times$
Required components:	LEDs/each optic	1	
LED x RecLED 122x50mm 1900lm 730 2x4 Opt G1 FWHW / FWTM Asymmetric Efficiency 97% Peak intensity 5.4 cd/m LEDs/each optic 1 Light colour White Required components: ED NSW219F FWHM / FWTM 18.0 + 20.0° / 31.0 + 74.0° Efficiency 94% Peak intensity 4.4 cd/m LEDs/each optic 1 Light colour White Required components:	Light colour		
LED RecLED 122x50mm 1900lm 730 2x4 Opt G1 EVHM / FWTM Asymmetric Efficiency 97 % Peak intensity 2 54 od/m LEDbreach optic 1 Light colour White Required components: ENCELION LED NVSW219F EWHM / FWTM 18.0 + 20.0° / 31.0 + 74.0° Efficiency 94 % Peak intensity 4.4 od/m LEDbreach optic 1 Light colour White Required components:	Required compone	nts:	
LED RecLED 122x50mm 1900lm 730 2x4 Opt G1 FWHM / FWTM Asymmetric Efficiency 97% Peak intensity 5.4 cd/m LEDs/each optic 1 Light colour White Required components: EVENTIAL LED NVSW219F FWHM / FWTM 18.0 + 20.0° / 31.0 + 74.0° Efficiency 94% Peak intensity 4.4 cd/m LEDs/each optic 1 Light colour White Required components:			4800
Image: Control of the solutions    LED  RecLED 122x50mm 1900lm 730 2x4 Opt G1    FWHM / FWTM  Asymmetric    Efficiency  97 %    Peak intensity  5.4 cd/lm    LEDs/each optic 1  1    Light colour  White    Required components:  Image: Control of the solution of			
LED RecLED 122x50mm 1900lm 730 2x4 Opt G1 FWHM / FWTM Asymmetric Efficiency 97 % Peak intensity 5.4 cd/m LEDs/each optic 1 Light colour White Required components: LED NVSW219F FWHM / FWTM 18.0 + 20.0° / 31.0 + 74.0° Efficiency 94 % Peak intensity 4.4 cd/m LEDs/each optic 1 Light colour White Required components: Here Required com			30* 36*
LED RecLED 122x50mm 1900lm 730 2x4 Opt G1 FWHM / FWTM Asymmetric Efficiency 97 % Peak intensity 5.4 cd/m LEDs/each optic 1 Light colour White Required components: LED NVSW219F FWHM / FWTM 18.0 + 20.0° / 31.0 + 74.0° Efficiency 94 % Peak intensity 4.4 cd/m LEDs/each optic 1 Light colour White Required components: Here Required com	MCT Your solu	linns	
FWHM / FWTM Asymmetric Efficiency 97 % Peak intensity 5.4 cd/lm LEDs/each optic 1 Light colour White Required components:			90° 90°
Efficiency 97% Peak intensity 5.4 cd/m LEDs/each optic 1 Light colour White Required components:			75
Peak intensity 5.4 cd/lm LEDs/each optic 1 Light colour White Required components:			
LEDs/each optic 1 Light colour White Required components:			60° 60'
Light colour White Required components: WICHIN LED NVSW219F FWHM / FWTM 18.0 + 20.0° / 31.0 + 74.0° Efficiency 94 % Peak intensity 4.4 cd/m LEDs/each optic 1 Light colour White Required components:			
Required components:			200 ar
Image: Second system  Image: Second system    Image: Second			$K \neq 1$
LED NVSW219F FWHM / FWTM 18.0 + 20.0° / 31.0 + 74.0° Efficiency 94 % Peak intensity 4.4 cd/lm LEDs/each optic 1 Light colour White Required components:	Required compone	115.	
LED NVSW219F FWHM / FWTM 18.0 + 20.0° / 31.0 + 74.0° Efficiency 94 % Peak intensity 4.4 cd/lm LEDs/each optic 1 Light colour White Required components:			4330
LED NVSW219F FWHM / FWTM 18.0 + 20.0° / 31.0 + 74.0° Efficiency 94 % Peak intensity 4.4 cd/lm LEDs/each optic 1 Light colour White Required components:			
LED NVSW219F FWHM / FWTM 18.0 + 20.0° / 31.0 + 74.0° Efficiency 94 % Peak intensity 4.4 cd/lm LEDs/each optic 1 Light colour White Required components:			34 <sup>6</sup> 35 <sup>4</sup> 35 <sup>4</sup>
LED NVSW219F FWHM / FWTM 18.0 + 20.0° / 31.0 + 74.0° Efficiency 94 % Peak intensity 4.4 cd/lm LEDs/each optic 1 Light colour White Required components:	ØNICHI/		90* 90
FWHM / FWTM 18.0 + 20.0° / 31.0 + 74.0° Efficiency 94 % Peak intensity 4.4 cd/lm LEDs/each optic 1 Light colour White Required components:			
Efficiency 94 % Peak intensity 4.4 cd/lm LEDs/each optic 1 Light colour White Required components:			73*
Peak intensity 4.4 cd/lm LEDs/each optic 1 Light colour White Required components:			
LEDs/each optic 1 Light colour White Required components:			60%
Light colour White Required components:			1600
Required components:	Peak intensity	4.4 cd/im	
34	Peak intensity LEDs/each optic	4.4 cd/lm 1	
	Peak intensity LEDs/each optic Light colour	4.4 cd/lm 1 White	
	Peak intensity LEDs/each optic Light colour	4.4 cd/lm 1 White	
	Peak intensity LEDs/each optic Light colour	4.4 cd/lm 1 White	
	Peak intensity LEDs/each optic Light colour	4.4 cd/lm 1 White	50



# PHOTOMETRIC DATA (MEASURED):

<b>ØNICHI</b>		30°
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 ints:	200 - 27 57 57 57 57 57 57 57 57 57 5
OSRAM Opto 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 ints:	
seous semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z5M3 Asymmetric 94 % 3.6 cd/lm 1 White Ints:	



CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-G2 HE 18.0 + 21.0° / 34.0 + 70.0° 92 % 4.4 cd/lm 1 White	200 21, 22, 24, 25,0 100 100 100 10, 25,0 100 10, 25,0 10, 25,0 10, 25,0 10, 25,0 10, 25,0 10, 25,0 10, 25,0 10, 25,0 10, 25,0 10, 25,0 25,0 25,0 25,0 25,0 25,0 25,0 25
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-G3 17.0 + 18.0° / 32.0 + 72.0° 92 % 4.8 cd/lm 1 White	200 64, 100 84, 25, 25, 26, 26, 26, 26, 26, 26, 26, 26, 26, 26
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G3 Asymmetric 85 % 4.2 cd/lm 1	600 90°
Light colour Required components: Protective plat	White e, glass	200 200 200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON TX 15.0 + 16.0° / 28.0 + 66.0° 93 % 6.6 cd/lm 1 White	22, 0, 72, 95, 24, 26, 25, 25, 26, 25, 26, 26, 26, 26, 26, 26, 26, 26, 26, 26



ED 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	90° 90° 90° 90° 90° 90° 90° 90°
<b>Μ</b> ΝΙCΗΙΛ		90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NV4WB35AM Asymmetric 88 % 2.7 cd/lm 1 White	73 60 <sup>5</sup> 70 100 100 00 00 00 00 00 00 00 00 00 00
Protective plate	e, glass	and the second sec
<b>Ø</b> NICHIΛ		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	NVSW519A 23.0 + 25.0° / 53.0 + 79.0° 88 % 1.8 cd/lm 1 White	5° 5° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6°
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	50° 7° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60



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 20 20 20 2
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	50 50 50 50 50 50 50 50 50 50
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSCONIQ P 3737 (2W version) 14.0° / 26.0 + 65.0° 93 % 6.9 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
Ostro Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSCONIQ P 3737 (3W version) 20.0 + 22.0° / 38.0 + 76.0° 94 % 3.8 cd/lm 1 White	



OSRAM Opto Semiconductors		90° 90°
LED	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	13.0 + 14.0° / 26.0 + 52.0°	75
Efficiency	86 %	
Peak intensity	6.6 cd/lm	60* 60*
LEDs/each optic	1	200
Light colour	White	55° (
Required components:		
Protective plate	e, glass	
		30° 30°
		15° 0° 15°
OSRAM Opto Semiconductors		90°
LED	OSLON Square CSSRM2/CSSRM3	71
FWHM / FWTM	13.0 + 14.0° / 26.0 + 53.0°	2
Efficiency	93 %	60° .
Peak intensity	6.9 cd/lm	$\langle \langle \rangle \rangle$
LEDs/each optic	1	
Light colour	White	gy
Required components:		(600)
		$\times$
		430
		30*
		15° 0° 15°
00000	10	
SAMSUN	IG	50*
	<b>I G</b> LH351B	90 <sup>+</sup> 90 <sup>+</sup>
		94* 75* 75* 75* 75*
LED	LH351B	90* 90* 73* 90* 500 60*
LED FWHM / FWTM Efficiency Peak intensity	LH351B 18.0 + 19.0° / 32.0 + 70.0°	50° 50° 75° 50° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B 18.0 + 19.0° / 32.0 + 70.0° 94 % 5 cd/lm 1	90* 90* 75* 90* 3000 90* 90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 18.0 + 19.0° / 32.0 + 70.0° 94 % 5 cd/lm	5 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B 18.0 + 19.0° / 32.0 + 70.0° 94 % 5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 18.0 + 19.0° / 32.0 + 70.0° 94 % 5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 18.0 + 19.0° / 32.0 + 70.0° 94 % 5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 18.0 + 19.0° / 32.0 + 70.0° 94 % 5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B 18.0 + 19.0° / 32.0 + 70.0° 94 % 5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B 18.0 + 19.0° / 32.0 + 70.0° 94 % 5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B 18.0 + 19.0° / 32.0 + 70.0° 94 % 5 cd/lm 1 White I LH351C	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM	LH351B 18.0 + 19.0° / 32.0 + 70.0° 94 % 5 cd/lm 1 White I LH351C 18.0 + 20.0° / 33.0 + 71.0°	30,4    30,4      30,4    30,0      30,4    30,0      30,4    30,0      30,4    30,0      30,4    30,0      30,4    30,0      30,4    30,0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency	LH351B 18.0 + 19.0° / 32.0 + 70.0° 94 % 5 cd/lm 1 White Uh351C 18.0 + 20.0° / 33.0 + 71.0° 94 %	30,4    30,4      30,4    30,0      30,4    30,0      30,4    30,0      30,4    30,0      30,4    30,0      30,4    30,0      30,4    30,0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity	LH351B 18.0 + 19.0° / 32.0 + 70.0° 94 % 5 cd/lm 1 White LH351C 18.0 + 20.0° / 33.0 + 71.0° 94 % 4.6 cd/lm	30,4    30,4      30,4    30,0      30,4    30,0      30,4    30,0      30,4    30,0      30,4    30,0      30,4    30,0      30,4    30,0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B 18.0 + 19.0° / 32.0 + 70.0° 94 % 5 cd/lm 1 White LH351C 18.0 + 20.0° / 33.0 + 71.0° 94 % 4.6 cd/lm 1	30,4    30,4      30,4    30,0      30,4    30,0      30,4    30,0      30,4    30,0      30,4    30,0      30,4    30,0      30,4    30,0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 18.0 + 19.0° / 32.0 + 70.0° 94 % 5 cd/lm 1 White LH351C 18.0 + 20.0° / 33.0 + 71.0° 94 % 4.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B 18.0 + 19.0° / 32.0 + 70.0° 94 % 5 cd/lm 1 White LH351C 18.0 + 20.0° / 33.0 + 71.0° 94 % 4.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 18.0 + 19.0° / 32.0 + 70.0° 94 % 5 cd/lm 1 White LH351C 18.0 + 20.0° / 33.0 + 71.0° 94 % 4.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 18.0 + 19.0° / 32.0 + 70.0° 94 % 5 cd/lm 1 White LH351C 18.0 + 20.0° / 33.0 + 71.0° 94 % 4.6 cd/lm 1	







# 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:

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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#### LEDiL Oy

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