

PRODUCT DATASHEET C15437\_STRADELLA-CY

# STRADELLA-CY

Beam for canopy lighting with batwing light distribution. Suitable for symmetrical tunnel lighting.

#### **SPECIFICATION:**

Dimensions	13.9 x 13.9 mm
Height	4.7 mm
Fastening	pin
ROHS compliant	yes 🛈



### **MATERIALS:**

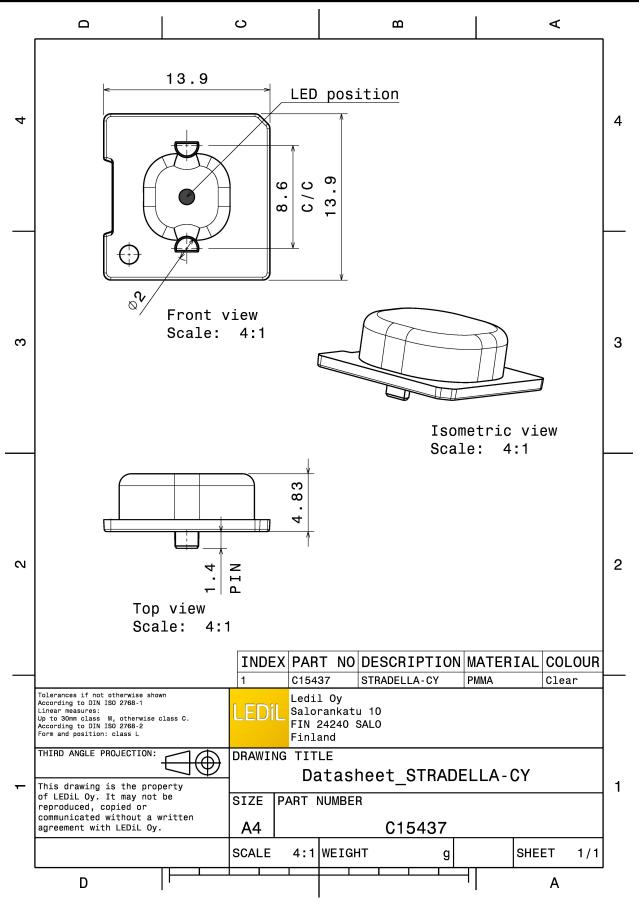
Component	Туре	Material	Colour	Finish
STRADELLA-CY	Single lens	PMMA	clear	

### **ORDERING INFORMATION:**

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C15437_STRADELLA-CY	16000	1000	1000	7.3
» Box size: 480 x 250 x 390 mm				



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

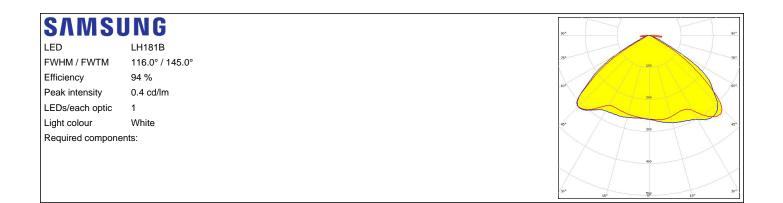


# **OPTICAL RESULTS (MEASURED):**

LED	J Series 3030	N°
FWHM / FWTM	118.0° / 133.0°	75'
Efficiency	98 %	
Peak intensity	0.4 cd/lm	60°.
LEDs/each optic	1	
Light colour	White	
Required compone		30
		400
		30° 15° 0° 15° 30°
LED	XT-E	
FWHM / FWTM	115.0° / 146.0°	75%
Efficiency	94 %	100
Peak intensity	0.3 cd/lm	60°.
LEDs/each optic	1	
Light colour	White	
Required compone		
		300
		30° 400 30° 10° 30°
<b>ØNICHI</b>		5° 2°
LED	NVSW219D	
FWHM / FWTM	114.0° / 134.0°	731 701
Efficiency	94 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	-5°
Required compone	nts:	
		400
		30* 30*
		10 <sup>2</sup> 0 <sup>4</sup> 11 <sup>2</sup>
		90* 90*
LED	NVSW319B	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	6/5 6/5 6/5 6/5 6/5 6/5 6/5 6/5 6/5 6/5
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	61 61
Required compone	nts:	de la companya de la comp
		$\times$ / $\times$ /
		400
1		
		30° 10° 10°



### **OPTICAL RESULTS (MEASURED):**





		90* 90*
LED	J Series 2835	
FWHM / FWTM	117.0° / 135.0°	73%
Efficiency	96 %	500
Peak intensity	0.4 cd/lm	50 <sup>4</sup>
LEDs/each optic	1	
Light colour	White	5° 5†
Required components:		
		400
		12 <sup>5</sup> 0 <sup>6</sup> 10 <sup>5</sup>
		90° 99°
LED	XP-E2	
FWHM / FWTM	123.0° / 137.0°	100 78°
Efficiency	96 %	
Peak intensity	0.4 cd/lm	50° 60°
LEDs/each optic	1	
Light colour	Green	45* 300 45*
Required components:		
		440
		$\times$ / $\top$ / $\times$
		30* 20
1		15° 0° 15°
		90 <sup>*</sup>
CREE ÷ LEDs	XP-E2	59° 59°
	XP-E2 117.0° / 137.0°	90° 90°
LED FWHM / FWTM Efficiency	117.0° / 137.0° 90 %	90 <sup>°</sup> 92 <sup>°</sup> 72 <sup>°</sup> 50 <sup>°</sup> 8 <sup>°</sup>
LED FWHM / FWTM Efficiency Peak intensity	117.0° / 137.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	117.0° / 137.0° 90 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	117.0° / 137.0° 90 % 0.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	117.0° / 137.0° 90 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	117.0° / 137.0° 90 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	117.0° / 137.0° 90 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	117.0° / 137.0° 90 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	117.0° / 137.0° 90 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	117.0° / 137.0° 90 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	117.0° / 137.0° 90 % 0.4 cd/lm 1 White 3, glass	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	117.0° / 137.0° 90 % 0.4 cd/lm 1 White 9, glass XP-G2 HE 121.0° / 138.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate CREEC LED FWHM / FWTM Efficiency	117.0° / 137.0° 90 % 0.4 cd/lm 1 White 2, glass XP-G2 HE 121.0° / 138.0° 95 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate EED FWHM / FWTM Efficiency Peak intensity	117.0° / 137.0° 90 % 0.4 cd/lm 1 White e, glass XP-G2 HE 121.0° / 138.0° 95 % 0.3 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	117.0° / 137.0° 90 % 0.4 cd/lm 1 White e, glass XP-G2 HE 121.0° / 138.0° 95 % 0.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	117.0° / 137.0° 90 % 0.4 cd/lm 1 White e, glass XP-G2 HE 121.0° / 138.0° 95 % 0.3 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	117.0° / 137.0° 90 % 0.4 cd/lm 1 White e, glass XP-G2 HE 121.0° / 138.0° 95 % 0.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	117.0° / 137.0° 90 % 0.4 cd/lm 1 White e, glass XP-G2 HE 121.0° / 138.0° 95 % 0.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Protective plate ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	117.0° / 137.0° 90 % 0.4 cd/lm 1 White e, glass XP-G2 HE 121.0° / 138.0° 95 % 0.3 cd/lm 1	



ED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	LUXEON IR Domed 150 (L1I0-0xxx15000000) 131.0° / 142.0° 96 % 1 IR	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NF2W585AR-P8 118.0 + 125.0° / 134.0 + 138.0° 95 % 0.4 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSW519A 122.0° / 136.0° 92 % 0.3 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	NVSW519A 122.0° / 136.0° 89 % 0.3 cd/lm 1 White	



r		
OSRAM		
Opto Semiconductors		90* 90*
	OSCONIQ C 2424	750 780
FWHM / FWTM	120.0° / 135.0°	
Efficiency	96 %	50°
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	6°. 6°.
Required components:		
		400
		30° 15° 30°
OSRAM		
Opto Semiconductors	OSCONIQ C 3030	90*
FWHM / FWTM	118.0° / 134.0 + 136.0°	73% 78%
Efficiency	96 %	100
Peak intensity	0.4 cd/lm	604
LEDs/each optic	1	
Light colour	White	
Required components:	white	
		$\times$ / $\setminus$ $\times$
		400
		30* 15° 30*
OSRAM Opto Semiconductors		90*90*
OSRAM Opto Semiconductors LED	OSCONIQ C 3030	<u>81</u>
LED	OSCONIQ C 3030 117.0° / 134.0 + 135.0°	92 <sup>4</sup> 32 <sup>4</sup> 32 <sup>4</sup>
LED FWHM / FWTM		300
LED FWHM / FWTM Efficiency	117.0° / 134.0 + 135.0°	99. 195 00. 00.
LED FWHM / FWTM Efficiency Peak intensity	117.0° / 134.0 + 135.0° 87 %	300
LED FWHM / FWTM Efficiency	117.0° / 134.0 + 135.0° 87 % 0.3 cd/lm	300
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	117.0° / 134.0 + 135.0° 87 % 0.3 cd/lm 1	300
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	117.0° / 134.0 + 135.0° 87 % 0.3 cd/lm 1 White	300
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	117.0° / 134.0 + 135.0° 87 % 0.3 cd/lm 1 White	300
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	117.0° / 134.0 + 135.0° 87 % 0.3 cd/lm 1 White	60° 60°. 200 60°. 200 60°.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	117.0° / 134.0 + 135.0° 87 % 0.3 cd/lm 1 White	300
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	117.0° / 134.0 + 135.0° 87 % 0.3 cd/lm 1 White 9, glass	64 69 69 69 69 69 69 69 69 69 69 69 69 69
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	117.0° / 134.0 + 135.0° 87 % 0.3 cd/lm 1 White 9, glass	64 69 69 69 69 69 69 69 69 69 69 69 69 69
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate OPIS Semiconductors LED FWHM / FWTM	117.0° / 134.0 + 135.0° 87 % 0.3 cd/lm 1 White 9, glass OSCONIQ P 3030 112.0° / 137.0°	64 69 69 69 69 69 69 69 69 69 69 69 69 69
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	117.0° / 134.0 + 135.0° 87 % 0.3 cd/lm 1 White 0.5 CONIQ P 3030 112.0° / 137.0° 96 %	60° 60°. 200 60°. 200 60°.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Optic Semiconductors LED FWHM / FWTM Efficiency Peak intensity	117.0° / 134.0 + 135.0° 87 % 0.3 cd/lm 1 White p, glass OSCONIQ P 3030 112.0° / 137.0° 96 % 0.4 cd/lm	60° 60°. 200 60°. 200 60°.
LED 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	117.0° / 134.0 + 135.0° 87 % 0.3 cd/lm 1 White e, glass OSCONIQ P 3030 112.0° / 137.0° 96 % 0.4 cd/lm 1	60° 60°. 200 60°. 200 60°.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Optis Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	117.0° / 134.0 + 135.0° 87 % 0.3 cd/lm 1 White p, glass OSCONIQ P 3030 112.0° / 137.0° 96 % 0.4 cd/lm	60° 60°. 200 60°. 200 60°.
LED 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	117.0° / 134.0 + 135.0° 87 % 0.3 cd/lm 1 White e, glass OSCONIQ P 3030 112.0° / 137.0° 96 % 0.4 cd/lm 1	60° 60°. 200 60°. 200 60°.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Optis Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	117.0° / 134.0 + 135.0° 87 % 0.3 cd/lm 1 White e, glass OSCONIQ P 3030 112.0° / 137.0° 96 % 0.4 cd/lm 1	60° 60°. 200 60°. 200 60°.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate Optis Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	117.0° / 134.0 + 135.0° 87 % 0.3 cd/lm 1 White e, glass OSCONIQ P 3030 112.0° / 137.0° 96 % 0.4 cd/lm 1	60° 60°. 200 60°. 200 60°.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	117.0° / 134.0 + 135.0° 87 % 0.3 cd/lm 1 White e, glass OSCONIQ P 3030 112.0° / 137.0° 96 % 0.4 cd/lm 1	60° 60°. 200 60°. 200 60°.



OSRAM Opto Semiconductors		
LED	OSCONIQ P 3737 (2W version)	
FWHM / FWTM	115.0° / 137.0°	756 755
Efficiency	94 %	
Peak intensity	0.4 cd/lm	60*
		$\land$
LEDs/each optic Light colour	1 White	
Required components:	Wille	45* 45*
		X   X
		400
		30* 13 <sup>5</sup> 0° 15* 30*
OSRAM		
Opto Semiconductors		90* 90*
LED	OSCONIQ P 3737 (3W version)	75°
FWHM / FWTM	117.0° / 143.0°	100
Efficiency	96 %	604
Peak intensity	0.3 cd/lm	
LEDs/each optic	1	
Light colour	White	es
Required components:		
		$\times$ / $\setminus$ $\times$
		30* 13 <sup>5</sup> 8 <sup>6</sup> 15 <sup>4</sup> 30*
OSRAM Opto Semiconductors		
LED	OSLON Square CSSRM2/CSSRM3	yr yr
	120.0° / 140.0°	3° 7°
FWHM / FWTM	120.0° / 140.0° 96 %	75'
Efficiency	96 %	29- 20- 67-
Efficiency Peak intensity	96 % 0.3 cd/lm	20
Efficiency Peak intensity LEDs/each optic	96 % 0.3 cd/lm 1	200 - 200 -
Efficiency Peak intensity LEDs/each optic Light colour	96 % 0.3 cd/lm	25° - 210 60° - 60° 65° - 210 65° - 60°
Efficiency Peak intensity LEDs/each optic	96 % 0.3 cd/lm 1	29°
Efficiency Peak intensity LEDs/each optic Light colour	96 % 0.3 cd/lm 1	26
Efficiency Peak intensity LEDs/each optic Light colour	96 % 0.3 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour	96 % 0.3 cd/lm 1	200
Efficiency Peak intensity LEDs/each optic Light colour Required components:	96 % 0.3 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	96 % 0.3 cd/lm 1 White	Bay Bay Bay   State State State
Efficiency Peak intensity LEDs/each optic Light colour Required components:	96 % 0.3 cd/lm 1 White	33 30   50 30   50 30   50 30   50 50
Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM	96 % 0.3 cd/lm 1 White G LH351B 110.0° / 118.0°	
Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency	96 % 0.3 cd/m 1 White G LH351B 110.0° / 118.0° 92 %	
Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity	96 % 0.3 cd/lm 1 White LH351B 110.0° / 118.0° 92 % 0.3 cd/lm	
Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	96 % 0.3 cd/lm 1 White LH351B 110.0° / 118.0° 92 % 0.3 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	96 % 0.3 cd/lm 1 White LH351B 110.0° / 118.0° 92 % 0.3 cd/lm	
Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	96 % 0.3 cd/lm 1 White LH351B 110.0° / 118.0° 92 % 0.3 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	96 % 0.3 cd/lm 1 White LH351B 110.0° / 118.0° 92 % 0.3 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	96 % 0.3 cd/lm 1 White LH351B 110.0° / 118.0° 92 % 0.3 cd/lm 1	



SAMSUN	IG	50°
LED	LH351D	
FWHM / FWTM	123.0° / 135.0°	75°
Efficiency	94 %	
Peak intensity	0.3 cd/lm	eef
LEDs/each optic	1	
Light colour	White	ast
Required components:		
		30* 30*
SEOUL		137 465 115*
SEOUL SEMICONDUCTOR		90* 90*
LED	SEOUL DC 5050 6V	
FWHM / FWTM	114.0° / 136.0°	75°
Efficiency	94 %	50 <sup>4</sup>
Peak intensity	0.3 cd/lm	60°
LEDs/each optic	1	200
Light colour	White	er let
Required components:		
		300
		X / Y / X
		30* 400 30*
SEOUL		12 <sup>6</sup> 0 <sup>6</sup> 13 <sup>7</sup>
SEOUL SEMICONDUCTOR		90* 90*
LED	Z5M1/Z5M2	
FWHM / FWTM	118.0° / 134.0°	75°
Efficiency	96 %	
Peak intensity	0.4 cd/lm	50° (
LEDs/each optic	1	200-200-200-200-200-200-200-200-200-200
Light colour	White	-6 <sup>,</sup>
Required components:		
		400
		12 <sup>3</sup> 0 <sup>6</sup> 12 <sup>4</sup>



# PRODUCT DATASHEET C15437\_STRADELLA-CY

#### **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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