

PRODUCT DATASHEET CS16329_STRADELLA-IP-28-HB-M-PC

STRADELLA-IP-28-HB-M-PC

~65° medium beam. Variant made from PC.

SPECIFICATION:

Dimensions	100.0 x 100.0 mm
Height	9.5 mm
Fastening	pin, screw
Ingress protection classes	IP66, IP67
ROHS compliant	yes 🛈



MATERIALS:

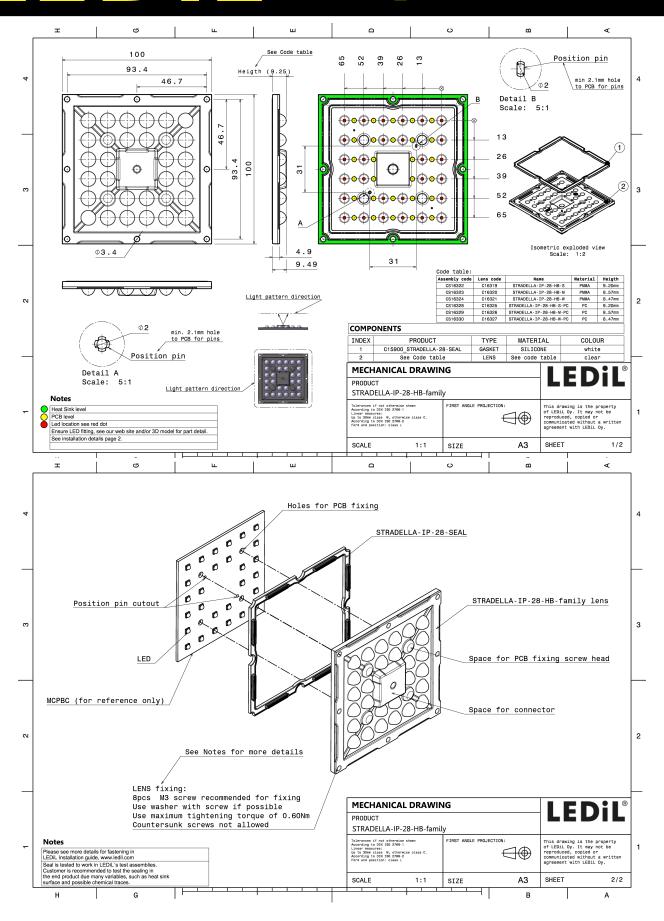
Component	Туре	Material	Colour	Finish
STRADELLA-IP-28-HB-M-PC	Multi-lens	PC	clear	
STRADELLA-28-SEAL	Seal	Silicone	white	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS16329_STRADELLA-IP-28-HB-M-PC	Multi-lens	156	78	78	5.9
» Box size: 476 x 273 x 247 mm					

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



LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiQLED STR28 CR JE2835 4x7 xxx 48.0° / 108.0° 89 % 0.8 cd/lm 1 White ints:	20° 0° 20° 20° 0° 20° 0° 20° 0° 20° 0° 20° 0° 20° 0° 20° 0° 20° 0° 20° 0° 20° 0°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiQLED STR28 CR JK3030 4x7 xxx 46.0° / 105.0° 88 % 0.8 cd/lm 1 White ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	QUICK FLUX STR28 XD2x14 xxx G8 58.0° / 119.0° 88 % 0.6 cd/lm 1 White ints:	200 50° 60° 50° 50° 50° 50° 50° 50° 50° 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	QUICK FLUX STR28 XP2x14 xxx G7 59.0° / 119.0° 90 % 0.6 cd/lm 1 White Ints:	



LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	QUICK FLUX STR28 XT2x14 xxx G5 58.0° / 121.0° 91 % 0.7 cd/lm 1 White ents:	
CREE CLEU FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	J Series 2835 48.0° / 108.0° 89 % 0.8 cd/lm 1 White	
CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	J Series 3030 51.0° / 114.0° 92 % 0.8 cd/lm 1 White	
CREE CLED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	J Series 3030 46.0° / 105.0° 88 % 0.8 cd/lm 1 White	



				90*	
LED	 XD16				
FWHM / FWTM	58.0° / 119.0°			75*	
Efficiency	88 %				200
Peak intensity	0.6 cd/lm			60.	
LEDs/each optic	1			-X	
Light colour	White			5°	
Required compone	nts:				400
				30*	600
				15*	0, 32,
				90*	\frown
	XP-G3			75*	
FWHM / FWTM	59.0° / 119.0°				
Efficiency	90 %			605	200
Peak intensity	0.6 cd/lm				
LEDs/each optic	1 White				$X \times Y$
Light colour Required compone					400
Required compone	nts.	-		$\langle \rangle \rangle$	
					500
				30*	
				15*	0° 15°
				15°	o ⁶ 15°
	XT-E			50°	<u> </u>
				35 ⁴	
LED	ХТ-Е			257 99+ 79: 60*	200
LED FWHM / FWTM	XT-E 58.0° / 121.0°			25% 55% 60%	200
LED FWHM / FWTM Efficiency	XT-E 58.0° / 121.0° 91 %			257 594	0 ⁰ 13°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E 58.0° / 121.0° 91 % 0.7 cd/lm 1 White			207 999 737 694 694	0 ⁰ 13°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XT-E 58.0° / 121.0° 91 % 0.7 cd/lm 1 White			201 991 732 001	400
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E 58.0° / 121.0° 91 % 0.7 cd/lm 1 White			201 99 73 73 73 73 73 77	00 132 200 400
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E 58.0° / 121.0° 91 % 0.7 cd/lm 1 White			55°	00 15°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E 58.0° / 121.0° 91 % 0.7 cd/lm 1 White			201 201 201 201 201 201 201 201	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 58.0° / 121.0° 91 % 0.7 cd/lm 1 White			37 00 73 73	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 58.0° / 121.0° 91 % 0.7 cd/lm 1 White nts:			77 97 97 97 97 97 97 97 97 97	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 58.0° / 121.0° 91 % 0.7 cd/lm 1 White nts: OSCONIQ S 3030 (QSLR31)			77 97 97 97 97 97 97 97 97 97	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 58.0° / 121.0° 91 % 0.7 cd/lm 1 White nts: OSCONIQ S 3030 (QSLR31) 50.0° / 113.0°			55 55 55 55	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	XT-E 58.0° / 121.0° 91 % 0.7 cd/lm 1 White nts: OSCONIQ S 3030 (QSLR31) 50.0° / 113.0° 92 %			55 55 55 55	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	XT-E 58.0° / 121.0° 91 % 0.7 cd/lm 1 White nts: OSCONIQ S 3030 (QSLR31) 50.0° / 113.0° 92 % 0.8 cd/lm			55 55 55 55 55	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XT-E 58.0° / 121.0° 91 % 0.7 cd/lm 1 White nts: OSCONIQ S 3030 (QSLR31) 50.0° / 113.0° 92 % 0.8 cd/lm 1			55 55 55 55 55	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSERAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E 58.0° / 121.0° 91 % 0.7 cd/lm 1 White nts: OSCONIQ S 3030 (QSLR31) 50.0° / 113.0° 92 % 0.8 cd/lm 1 White			55 55 55 55 55	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XT-E 58.0° / 121.0° 91 % 0.7 cd/lm 1 White nts: OSCONIQ S 3030 (QSLR31) 50.0° / 113.0° 92 % 0.8 cd/lm 1 White			55 55 55 55 55	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Optic Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E 58.0° / 121.0° 91 % 0.7 cd/lm 1 White nts: OSCONIQ S 3030 (QSLR31) 50.0° / 113.0° 92 % 0.8 cd/lm 1 White			55 55 55 55 55	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSERAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E 58.0° / 121.0° 91 % 0.7 cd/lm 1 White nts: OSCONIQ S 3030 (QSLR31) 50.0° / 113.0° 92 % 0.8 cd/lm 1 White			55 55 55 55 55	



OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDS/each optic Light colour Required compone		
SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM SC28 (LH181B) 46.0° / 102.0° 87 % 0.8 cd/lm 1 White	
SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM SM28 (LM301B) 48.0° / 108.0° 89 % 0.8 cd/lm 1 White	



CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-G2 HE 66.0° / 122.0° 91 % 0.6 cd/lm 1 White	5 5 5 5 5 5 5 5 5 5 5 5 5 5
	5	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 2D (Round LES) 53.0° / 112.0° 89 % 0.9 cd/lm 1 White	
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LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NF2x757G 57.0° / 114.0° 94 % 0.8 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSxE21A 55.0° / 111.0° 89 % 0.8 cd/lm 1 White	200 200 200 200 200 200 200 200 200 200



MICHIΛ		90° 90°
LED	NVSxx19B/NVSxx19C	
FWHM / FWTM	73.0° / 122.0°	75. 75.
Efficiency	95 %	
Peak intensity	0.6 cd/lm	60% /
LEDs/each optic	1	
Light colour	White	gr at
Required components:		400
		30° 30° 30° 30°
OSRAM Opto Semiconductors		90° 90°
LED	Duris S8	
FWHM / FWTM	58.0° / 104.0°	2
Efficiency	86 %	200
Peak intensity	0.8 cd/lm	601- 601- 601-
LEDs/each optic	1	
Light colour	White	42. 42.
Required components:		
		30° 000 30°
		15° 0° 15°
OSRAM Opto Semiconductors		90° 90°
OSRAM Opto Semiconductors	OSCONIQ C 2424	90 ⁴
Opto Semiconductors	OSCONIQ C 2424 60.0° / 114.0°	30- 50-
opto Semiconductors LED FWHM / FWTM	OSCONIQ C 2424 60.0° / 114.0° 92 %	50° 50°
opto Semiconductors LED FWHM / FWTM Efficiency	60.0° / 114.0°	50° 50° 50°
^{opto Semiconductors} LED FWHM / FWTM Efficiency Peak intensity	60.0° / 114.0° 92 %	50° 50°
opto Semiconductors LED FWHM / FWTM Efficiency	60.0° / 114.0° 92 % 0.7 cd/lm	90° 99° 75° 20° 60° 20° 9° 40° 60°
^{opto Semiconductors} LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	60.0° / 114.0° 92 % 0.7 cd/lm 1	50° 00° 00° 72° 72° 72° 72° 72° 72° 72° 72° 72° 72
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	60.0° / 114.0° 92 % 0.7 cd/lm 1	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	60.0° / 114.0° 92 % 0.7 cd/lm 1	50°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	60.0° / 114.0° 92 % 0.7 cd/lm 1	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	60.0° / 114.0° 92 % 0.7 cd/lm 1	15 ⁵ 0 ⁶ 15 ³
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	60.0° / 114.0° 92 % 0.7 cd/lm 1 White	30* 30* 30* 30* 30* 30* 30* 30* 30* 30*
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSSRAM Opto Semiconductors LED	60.0° / 114.0° 92 % 0.7 cd/lm 1 White	15 ⁵ 0 ⁶ 15 ³
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM	60.0° / 114.0° 92 % 0.7 cd/lm 1 White OSCONIQ P 3030 50.0° / 113.0°	50° 50°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	60.0° / 114.0° 92 % 0.7 cd/lm 1 White OSCONIQ P 3030 50.0° / 113.0° 95 %	50° 50°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	60.0° / 114.0° 92 % 0.7 cd/lm 1 White OSCONIQ P 3030 50.0° / 113.0° 95 % 0.9 cd/lm	30 ⁴ 30 ⁷
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OPTO Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	60.0° / 114.0° 92 % 0.7 cd/lm 1 White OSCONIQ P 3030 50.0° / 113.0° 95 % 0.9 cd/lm 1	
opte Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: COSRAM Opte Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	60.0° / 114.0° 92 % 0.7 cd/lm 1 White OSCONIQ P 3030 50.0° / 113.0° 95 % 0.9 cd/lm	30 ⁴ 30 ⁷
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OPTO Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	60.0° / 114.0° 92 % 0.7 cd/lm 1 White OSCONIQ P 3030 50.0° / 113.0° 95 % 0.9 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: COSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	60.0° / 114.0° 92 % 0.7 cd/lm 1 White OSCONIQ P 3030 50.0° / 113.0° 95 % 0.9 cd/lm 1	27. 60. 60. 29. 00. 90. 29. 00. 90.
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: COSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	60.0° / 114.0° 92 % 0.7 cd/lm 1 White OSCONIQ P 3030 50.0° / 113.0° 95 % 0.9 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: COSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	60.0° / 114.0° 92 % 0.7 cd/lm 1 White OSCONIQ P 3030 50.0° / 113.0° 95 % 0.9 cd/lm 1	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) 56.0° / 113.0° 90 % 0.8 cd/lm 1 White	10. 00 10. 00 30. 000 00. 00. 00. 000 00. 00. 00. 000 00. 00. 000 000 00. 00. 000 000 00. 00. 000 000 00. 00. 000 000 00. 00. 000 000 00. 00. 000 000 00. 00. 000 000 00. 00. 000 000 00. 00. 000 000 00. 00. 000 000 00. 00. 000 000 00. 00. 000 000 00. 00. 000 000 00. 00. 000 000 00. 00.
SAMSUN	IG	90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351C 70.0° / 114.0° 93 % 0.7 cd/lm 1 White	200 - 22 - 25 - 25 - 25 - 25 - 25 - 25 -
SEOUL		90° 90°
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	SEOUL 3030 58.0° / 114.0° 92 % 0.7 cd/lm 1 White	
SECUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	SEOUL DC 3030C 59.0° / 116.0° 93 % 0.7 cd/lm 1 White	32,4 12,0 00 12,4 32,4 00 00,4 00,4 32,6 00,4 00,4 00,4 32,6 00,4 00,4 00,4 32,6 00,4 00,4 00,4



SEOUL SEOUL SEMICONDUCTOR		904
LED	Z5M1/Z5M2	
FWHM / FWTM	63.0° / 116.0°	73°
Efficiency	92 %	200
Peak intensity	0.7 cd/lm	60* 60
LEDs/each optic	1	
Light colour	White	454 400 454
Required components:	White	
required componente.		
		36° 15° 0° 35°
SEOUL		av ^e ave
SEOUL SEMICONDUCTOR		90° 90°
LED	Z8Y19	75
FWHM / FWTM	73.0° / 115.0°	
Efficiency	88 %	60° 60°
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	410 e3*
Required components:		
		366
SEOUL		
SEOUL SEMICONDUCTOR		90° 90°
LED	Z8Y22	
FWHM / FWTM	71.0° / 121.0°	
Efficiency	89 %	50 ⁵
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	97 - 400
Required components:		
		30*
		15° 0° 15°



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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