

STRADELLA-16-HB-S-PC

 ${\sim}25^\circ\,$ spot beam for industrial applications. Variant made from PC.

SPECIFICATION:

Dimensions	49.5 x 49.5 mm
Height	7.5 mm
Fastening	pin, screw
ROHS compliant	yes 🛈



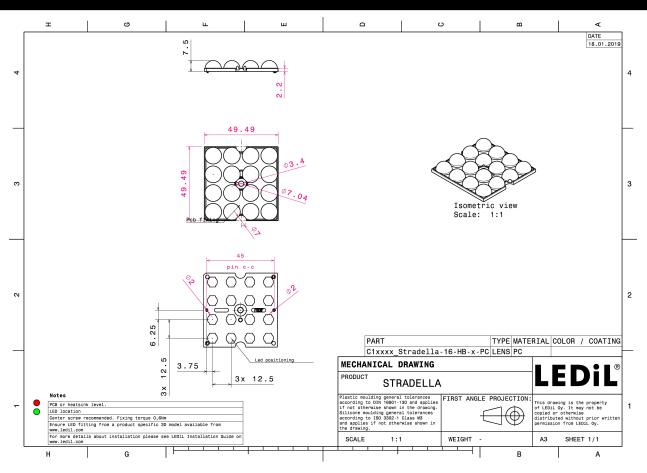
MATERIALS:

Component	Туре	Material	Colour	Finish
STRADELLA-16-HB-S-PC	Multi-lens	PC	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16599_STRADELLA-16-HB-S-PC	800	160	160	6.5
» Box size: 480 x 280 x 300 mm				

PRODUCT DATASHEET C16599_STRADELLA-16-HB-S-PC



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



OPTICAL RESULTS (MEASURED):

		55*
LED	EHP-223.5x50-1604-xx-70-LS30-06-NTC	
FWHM / FWTM	27.0° / 77.0°	77
Efficiency	85 %	
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	
Light colour	White	er er
Required compone	ents:	
		20.
OSRAM		
Opto Semiconductors		80 ⁴
LED	Duris S5 (2 chip)	75
FWHM / FWTM	27.0° / 81.0°	
Efficiency	85 %	
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	
Light colour	Purple	
Required compone	ents:	
		30 ⁴ 109 30 ⁴
OSRAM Opto Semiconductors		99
LED	OSCONIQ S 3030 (QSLR31)	
FWHM / FWTM	27.0° / 79.0°	37 28
Efficiency	84 %	
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	
Light colour	White	er de la companya de
Required compone	ents:	
		120
		304 360 30
SCIC		90 ⁴
LED	XLE-S44XTEHE (XT-E HE)	75
FWHM / FWTM	30.0° / 90.0°	
Efficiency	85 %	ex*e
Peak intensity	1.3 cd/lm	
LEDs/each optic	1	
Light colour	White	₫ ⁴ /
Required compone	ents:	
		1200
		30*
		15 ⁵ 0 ⁶ 15 ⁵



bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	CSP 2727 (BXCP) 26.0° / 68.0° 86 % 2 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	CSP 2727 (BXCP) 26.0° / 68.0° 77 % 1.8 cd/lm 1 White	90 ⁴ 35 400 90 ⁴ 90 ⁴
Protective plate	e, glass	200
CREE LED	XP-G2 HE 36.0° / 80.0° 86 % 1.5 cd/lm 1 White	5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5
EUMILEC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 2D (Round LES) 26.0° / 65.0° 86 % 2.2 cd/lm 1 White	5° 5° 60° 5° 5° 50° 50° 50° 50° 50° 50° 50° 50°



)S	50* 30*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON C 22.0° / 81.0° 87 % 1.8 cd/lm 1 RGBW	
Μ ΝΙCΗΙΛ		90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NF2x757G 27.0° / 68.0° 87 % 2 cd/lm 1 White	
Μ ΝΙCΗΙΛ		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NFSWE11A 12.0° / 42.0° 84 % 4 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
Μ ΝΙCΗΙΛ		90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSW519A 40.0° / 84.0° 84 % 1.3 cd/lm 1 White	



OSRAM		90° 90°
Opto Semiconductors	OSCONIQ C 2424	
FWHM / FWTM	22.0° / 61.0°	25* 25*
Efficiency	88 %	
Peak intensity	2.5 cd/lm	60°
LEDs/each optic	1	
Light colour	White	gr at
Required components:	white	
		300 200
		30° 30° 30° 30°
OSRAM Opto Semiconductors		90* 90*
LED	OSCONIQ P 3030	
FWHM / FWTM	20.0° / 50.0°	25*
Efficiency	92 %	
Peak intensity	3.5 cd/lm	$X \longrightarrow A$
LEDs/each optic	1	
Light colour	White	gr de la companya de
Required components:		230
		2200
		300 300
0000414		15 ³ 0 ⁶ 15 ⁵
OSRAM Opto Semiconductors		90° 90° 90°
OSRAM Opto Semiconductors LED	OSLON Square CSSRM2/CSSRM3	
	28.0° / 68.0°	32. 35. 36. 35. 172, 64. 172, 64.
LED		
LED FWHM / FWTM	28.0° / 68.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	28.0° / 68.0° 88 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 68.0° 88 % 2 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	28.0° / 68.0° 88 % 2 cd/lm 1	gr 61 73 72
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 68.0° 88 % 2 cd/lm 1	73°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 68.0° 88 % 2 cd/lm 1	gr 61 73 72
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 68.0° 88 % 2 cd/lm 1	gr 61 73 72
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	28.0° / 68.0° 88 % 2 cd/lm 1 White	25 25 64 75 75 75 75 75 75 75 75 75 75
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	28.0° / 68.0° 88 % 2 cd/lm 1 White	57 57 60 109
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	28.0° / 68.0° 88 % 2 cd/lm 1 White G LM301B	25 25 64 75 75 75 75 75 75 75 75 75 75
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM	28.0° / 68.0° 88 % 2 cd/lm 1 White G LM301B 24.0° / 64.0°	30. 40. 40.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency	28.0° / 68.0° 88 % 2 cd/lm 1 White	30. 40. 40.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity	28.0° / 68.0° 88 % 2 cd/lm 1 White LM301B 24.0° / 64.0° 86 % 2.3 cd/lm	23. 24. 26. 26. 26. 26. 26. 26. 26. 26
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	28.0° / 68.0° 88 % 2 cd/lm 1 White M301B 24.0° / 64.0° 86 % 2.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 68.0° 88 % 2 cd/lm 1 White LM301B 24.0° / 64.0° 86 % 2.3 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	28.0° / 68.0° 88 % 2 cd/lm 1 White M301B 24.0° / 64.0° 86 % 2.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 68.0° 88 % 2 cd/lm 1 White M301B 24.0° / 64.0° 86 % 2.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 68.0° 88 % 2 cd/lm 1 White M301B 24.0° / 64.0° 86 % 2.3 cd/lm 1	



SAMSUN	IG	30* 30*
LED	LM302D	
FWHM / FWTM	27.0° / 68.0°	75 400
Efficiency	87 %	
Peak intensity	2 cd/lm	60 ⁶
LEDs/each optic	1	
Light colour	White	er
Required components:		
		1600
		30° 30°
		15° 0° 15°
SAMSUN	IG	50° 50°
LED	LM302Z plus	
FWHM / FWTM	28.0° / 66.0°	23. 24.
Efficiency	86 %	
Peak intensity	2 cd/lm	
LEDs/each optic	1	
Light colour	White	43*
Required components:		
		1000
		30'
SECUL		
SEOUL SEMICONDUCTOR		90° 90°
LED	SEOUL DC 3030C	75°
FWHM / FWTM	26.0° / 66.0°	
Efficiency	88 %	60° 60°
Peak intensity	2.2 cd/lm	
LEDs/each optic	1	
Light colour	White	97 S
Required components:		1600
		30° 3ć



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.

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