

STRADELLA-16-HB-W-PC

~90° wide beam for industrial applications. Varian made from PC.

SPECIFICATION:

Dimensions	49.5 x 49.5 mm
Height	7.1 mm
Fastening	pin, screw
ROHS compliant	yes 🛈

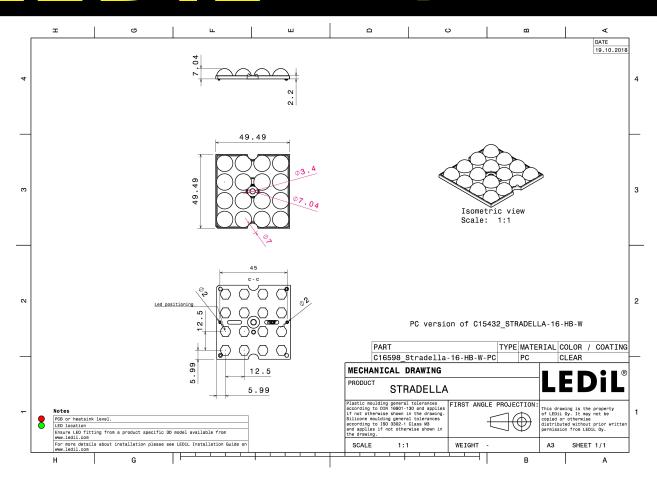


MATERIALS:

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

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16598_STRADELLA-16-HB-W-PC	800	160	160	6.4
» Box size: 480 x 280 x 300 mm				



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



OPTICAL RESULTS (MEASURED):

			90* 90*
LED	EHP-223.5x50-1604-xx-70-LS30-06-NTC		
FWHM / FWTM	85.0° / 123.0°		75'
Efficiency	92 %		
Peak intensity	0.5 cd/lm		B0
LEDs/each optic	1		
Light colour	White	the second s	
Required component			
			400
			36* 36* 36*
OSRAM Opto Semiconductors			90* 90*
LED	Duris S5 (2 chip)		
FWHM / FWTM	78.0° / 119.0°		75*
Efficiency	91 %		
Peak intensity	91 % 0.6 cd/lm		60* 60*
LEDs/each optic	1 Burple		
Light colour	Purple		
Required component	IIS.		
			36* 35*
OSRAM Onto Semiconductors			90* 90 [*]
Opto Semiconductors	OSCONIO S 3030 (OSI R31)		94 99
Opto Semiconductors	OSCONIQ S 3030 (QSLR31) 75.0° / 118.0°		39 ⁴ 29
Opto Semiconductors LED FWHM / FWTM	75.0° / 118.0°		39°
Opto Semiconductors LED FWHM / FWTM Efficiency	75.0° / 118.0° 91 %		99 ⁴ 99 ⁷ 75 60 ⁶ 220 60 ⁶
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	75.0° / 118.0° 91 % 0.6 cd/lm		99 ⁴ 73 66 ⁴ 200 60 ⁴
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	75.0° / 118.0° 91 % 0.6 cd/lm 1		50 ⁴
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	75.0° / 118.0° 91 % 0.6 cd/lm 1 White		99 ⁴ 79 69 ⁴ 69
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	75.0° / 118.0° 91 % 0.6 cd/lm 1 White		59° 597 72° 72° 64° 200 64° 67° 67° 60° 67°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	75.0° / 118.0° 91 % 0.6 cd/lm 1 White		5 ⁹⁴ 75 6 ⁴ 75 6 ⁴ 70 70 70 70 70 70 70 70 70 70 70 70 70
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	75.0° / 118.0° 91 % 0.6 cd/lm 1 White		
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	75.0° / 118.0° 91 % 0.6 cd/lm 1 White		
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	75.0° / 118.0° 91 % 0.6 cd/lm 1 White nts:		
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	75.0° / 118.0° 91 % 0.6 cd/lm 1 White hts:		
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	75.0° / 118.0° 91 % 0.6 cd/lm 1 White hts: LUX XLE-S44XTEHE (XT-E HE)		
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SCIO LED FWHM / FWTM	75.0° / 118.0° 91 % 0.6 cd/lm 1 White hts: LUX XLE-S44XTEHE (XT-E HE) 80.0° / 127.0°		
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SCIO LED FWHM / FWTM Efficiency	75.0° / 118.0° 91 % 0.6 cd/lm 1 White nts: LUX XLE-S44XTEHE (XT-E HE) 80.0° / 127.0° 91 %		
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SCIO LED FWHM / FWTM Efficiency Peak intensity	75.0° / 118.0° 91 % 0.6 cd/lm 1 White hts: LUX XLE-S44XTEHE (XT-E HE) 80.0° / 127.0° 91 % 0.5 cd/lm		
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SCIO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	75.0° / 118.0° 91 % 0.6 cd/lm 1 White hts: LUX XLE-S44XTEHE (XT-E HE) 80.0° / 127.0° 91 % 0.5 cd/lm 1		
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SCIO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	75.0° / 118.0° 91 % 0.6 cd/lm 1 White hts: LUX XLE-S44XTEHE (XT-E HE) 80.0° / 127.0° 91 % 0.5 cd/lm 1 White		
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SCIO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	75.0° / 118.0° 91 % 0.6 cd/lm 1 White hts: LUX XLE-S44XTEHE (XT-E HE) 80.0° / 127.0° 91 % 0.5 cd/lm 1 White		
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SCIO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	75.0° / 118.0° 91 % 0.6 cd/lm 1 White hts: LUX XLE-S44XTEHE (XT-E HE) 80.0° / 127.0° 91 % 0.5 cd/lm 1 White		
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SCIO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	75.0° / 118.0° 91 % 0.6 cd/lm 1 White hts: LUX XLE-S44XTEHE (XT-E HE) 80.0° / 127.0° 91 % 0.5 cd/lm 1 White		



OPTICAL RESULTS (SIMULATED):

bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	CSP 2727 (BXCP) 96.0° / 112.0° 93 % 0.5 cd/lm 1 White	59° 59° 59° 50° 50° 50° 50° 50° 50° 50° 50
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	CSP 2727 (BXCP) 94.0° / 114.0° 84 % 0.5 cd/lm 1 White	97 75 10 60 50 50 50 50 50 50 50 50 50 50 50 50 50
Protective plate	a, glass	409 30 ¹ 15 ³ 00 15 ³
CREE LED	XP-G2 HE 90.0° / 126.0° 90 % 0.5 cd/lm 1 White	20 27 57 60 60 60 60 60 60 60 60 60 60
EUMILEE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 2D (Round LES) 90.0° / 117.0° 92 % 0.5 cd/lm 1 White	



OPTICAL RESULTS (SIMULATED):

	NF2x757G	90 ⁴ 90 ⁴
FWHM / FWTM	88.0° / 118.0°	75. 75.
Efficiency	93 %	
Peak intensity	0.5 cd/lm	50° - 200
LEDs/each optic	1	
Light colour	White	
Required components:		
		400
		45% 0% 35%
MICHIΛ		90° 90°
LED	NVSW519A	75* 75*
FWHM / FWTM	94.0° / 122.0°	200
Efficiency	89 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	5°
Required components:		
		400
		30* 30* 30*
OSRAM		90° 90°
Opto Semiconductors	Duris S8	
EED FWHM / FWTM	76.0° / 119.0°	75*
Efficiency	84 %	
Peak intensity	0.6 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	gr av
Required components:		
Protective plate	e, glass	
		30.
OSRAM		15° 500 15°
Opto Semiconductors		90° 90°
LED	OSCONIQ C 2424	75.
FWHM / FWTM	89.0° / 117.0°	
Efficiency	92 %	60 ⁴ 60 ⁴
Peak intensity	0.5 cd/lm	200
LEDs/each optic	1	
Light colour	White	
Required components:		
		400
		30° 15° 0° 25°



OPTICAL RESULTS (SIMULATED):

OSRAM Opto Semiconductors		50°
LED	OSCONIQ P 3030	
FWHM / FWTM	74.0° / 122.0°	75
Efficiency	95 %	
Peak intensity	0.6 cd/lm	60 ¹
LEDs/each optic	1	
Light colour	White	95*
Required components:		400
		36* 30*
		10° 0° 15°
OSRAM Opto Semiconductors		90° 90°
LED	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	86.0° / 120.0°	73.
Efficiency	93 %	50 ⁵
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	97
Required components:		
		400
		30. 30.
		15° 0° 15°
CARACIIA		
SAMSUN	IG	90* 90*
	LM302D	9°
		77 . 19. 19.
LED FWHM / FWTM Efficiency	LM302D	60
LED FWHM / FWTM Efficiency Peak intensity	LM302D 86.0° / 120.0°	64* 9* 35* 220
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LM302D 86.0° / 120.0° 93 % 0.5 cd/lm 1	90* 90* 75* 60* 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM302D 86.0° / 120.0° 93 % 0.5 cd/lm	φ μ φ μ φ μ φ μ φ φ φ φ
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LM302D 86.0° / 120.0° 93 % 0.5 cd/lm 1	91 [*] 92 [*] 93 [*] 94 [*] 200 9 [*] 200 8 [*] 8 [*] 8 [*] 8 [*]
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM302D 86.0° / 120.0° 93 % 0.5 cd/lm 1	94* 94* 73* 72* 64* 200 6* 200 6* 6*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM302D 86.0° / 120.0° 93 % 0.5 cd/lm 1	94* 94* 95* 96* 96* 96* 96* 96* 96* 96* 96* 96* 96
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM302D 86.0° / 120.0° 93 % 0.5 cd/lm 1	27 57 66 60 200 20 27 57 57 57 57 57 57 57 57 57 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LM302D 86.0° / 120.0° 93 % 0.5 cd/lm 1	30° 30° 30° 30° 63° 30° 63° 30°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LM302D 86.0° / 120.0° 93 % 0.5 cd/lm 1 White	54° 54° 54° 54° 54° 54° 54° 54°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: second semiconductor LED	LM302D 86.0° / 120.0° 93 % 0.5 cd/lm 1 White SEOUL DC 3030C	35. 36. 36. 36. 36. 36. 36. 36. 36. 36. 36. 36. 37. 36. 36. 36.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SECOUL SEMICONDUCTOR LED FWHM / FWTM	LM302D 86.0° / 120.0° 93 % 0.5 cd/lm 1 White SEOUL DC 3030C 88.0° / 120.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: seoul semiconductor LED FWHM / FWTM Efficiency	LM302D 86.0° / 120.0° 93 % 0.5 cd/lm 1 White SEOUL DC 3030C 88.0° / 120.0° 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LM302D 86.0° / 120.0° 93 % 0.5 cd/lm 1 White SEOUL DC 3030C 88.0° / 120.0° 94 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LM302D 86.0° / 120.0° 93 % 0.5 cd/lm 1 White SEOUL DC 3030C 88.0° / 120.0° 94 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM302D 86.0° / 120.0° 93 % 0.5 cd/lm 1 White SEOUL DC 3030C 88.0° / 120.0° 94 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LM302D 86.0° / 120.0° 93 % 0.5 cd/lm 1 White SEOUL DC 3030C 88.0° / 120.0° 94 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM302D 86.0° / 120.0° 93 % 0.5 cd/lm 1 White SEOUL DC 3030C 88.0° / 120.0° 94 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM302D 86.0° / 120.0° 93 % 0.5 cd/lm 1 White SEOUL DC 3030C 88.0° / 120.0° 94 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM302D 86.0° / 120.0° 93 % 0.5 cd/lm 1 White SEOUL DC 3030C 88.0° / 120.0° 94 % 0.5 cd/lm 1	



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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LEDiL Oy

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc. 228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd. # 405 , Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

Local sales and technical support www.ledil.com/ where_to_buy

Shipping locations Salo, Finland Hong Kong, China

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