

STRADELLA-16-HB-M-PC

 ${\sim}60^\circ$ medium 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 🛈

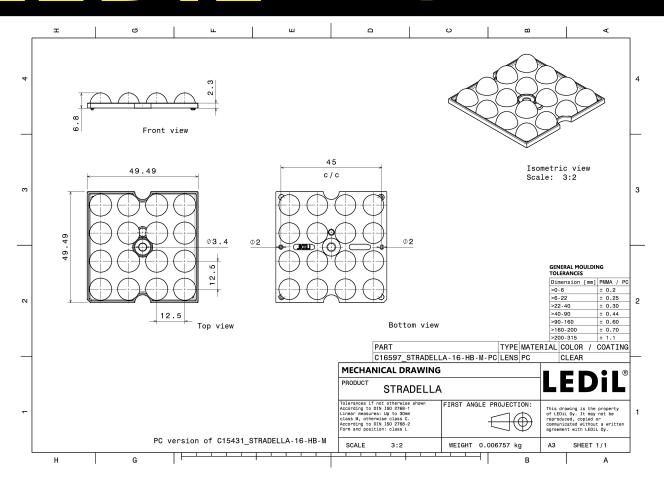


MATERIALS:

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

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16597_STRADELLA-16-HB-M-PC	800	160	160	6.2
» 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):

	EHP-223.5x50-1604-xx-70-LS30-06-NTC	
FWHM / FWTM	60.0° / 116.0°	
Efficiency	92 %	60 ⁵
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	30° 30° 30° 30° 30° 30° 30° 30° 30° 30°
OSRAM Opto Semiconductors		50*
LED	Duris S5 (2 chip)	
FWHM / FWTM	55.0° / 114.0°	75
Efficiency	92 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	Purple	er
Required compone		
OSRAM Opto Semiconductors		80 ⁴
LED	OSCONIQ S 3030 (QSLR31)	
FWHM / FWTM	55.0° / 114.0°	
Efficiency	92 %	60
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		30° 30° X
SAMSI	UNG	90 ⁴
LED	HiLOM RM64 (LM301B)	77
FWHM / FWTM	55.0° / 115.0°	
Efficiency	93 %	60 ⁷ 60 ⁷ 6
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		15*



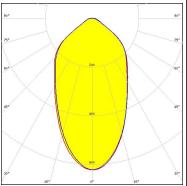
OPTICAL RESULTS (MEASURED):

SCIOLUX

LEDXIFWHM / FWTM60Efficiency92Peak intensity0.0LEDs/each optic1Light colourWRequired components:

XLE-S44XTEHE (XT-E HE) 60.0° / 127.0° 92 % 0.6 cd/lm 1 White







OPTICAL RESULTS (SIMULATED):

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	CSP 2727 (BXCP) 55.0 + 56.0° / 108.0° 92 % 0.8 cd/lm 1 White	50° 50° 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) 56.0° / 108.0° 84 % 0.7 cd/lm 1 White	50 ¹ 50
Protective plate	, glass	500 30 ¹⁰ 120 ¹⁰ 0 ¹⁰ 20 ¹⁰
CREE LED	XP-G2 HE 62.0° / 120.0° 90 % 0.7 cd/lm 1 White	20° 20° 20° 20° 20° 20° 20° 20° 20° 20°
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 2D (Round LES) 55.0° / 112.0° 92 % 0.8 cd/lm 1 White	99° 75° 69° 69° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60



OPTICAL RESULTS (SIMULATED):

ΜΝΙCΗΙΛ		90* 90*
LED	NF2x757G	
FWHM / FWTM	54.0° / 113.0°	75'
Efficiency	93 %	200
Peak intensity	0.8 cd/lm	60° × 60°
LEDs/each optic	1	
Light colour	' White	45*
Required components:	Wille	
		30° 30° 30°
Μ ΝΙCΗΙΛ		50°
LED	NFSWE11A	
FWHM / FWTM	46.0° / 110.0 + 109.0°	75*
Efficiency	89 %	
Peak intensity	0.8 cd/lm	60 ⁴
LEDs/each optic	1	
Light colour	' White	400
Required components:	Wille	
Required components.		
		20 ⁶ 000 3 ⁶ *
Μ ΝΙCΗΙΛ		90* 90*
LED	NVSW519A	
FWHM / FWTM	71.0° / 120.0°	<u>Ma</u> .
Efficiency	89 %	
Peak intensity	0.6 cd/lm	60° / / / / / / / / / / / / / / / / / / /
LEDs/each optic	1	
Light colour	White	43 ⁴ 43 ⁴
Required components:		40
		30° 600 33°
		15 ⁵ 0 ⁶ 15 ⁵
OSRAM Opto Semiconductors		50* 50*
LED	Duris S8	
FWHM / FWTM	61.0° / 115.0°	75
Efficiency	84 %	200
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	gr440 65*
Required components:		
Protective plate	e, glass	
ļ		30° 36°



OPTICAL RESULTS (SIMULATED):

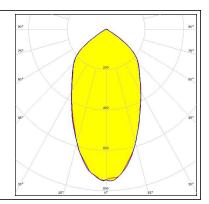
OSRAM Opto Semiconductors		90° 90°
LED	OSCONIQ C 2424	
FWHM / FWTM	53.0° / 112.0°	2
Efficiency	92 %	
Peak intensity	0.8 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	95'
Required components:		
		30° 800 30°
		15° 0° 15°
OSRAM Opto Semiconductors		90* 90*
LED	OSCONIQ P 3030	7*
FWHM / FWTM	42.0° / 111.0°	23.
Efficiency	95 %	60* 60*
Peak intensity	1 cd/lm	400
LEDs/each optic	1	
Light colour	White	67° 67°
Required components:		
		30* 150 00 150 30*
OSPAM		
OSRAM Opto Semiconductors		
LED	OSLON Square CSSRM2/CSSRM3	
LED FWHM / FWTM	56.0° / 115.0°	99*
LED FWHM / FWTM Efficiency	56.0° / 115.0° 93 %	99*
LED FWHM / FWTM Efficiency Peak intensity	56.0° / 115.0° 93 % 0.8 cd/lm	99*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	56.0° / 115.0° 93 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	56.0° / 115.0° 93 % 0.8 cd/lm	99*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	56.0° / 115.0° 93 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	56.0° / 115.0° 93 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	56.0° / 115.0° 93 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	56.0° / 115.0° 93 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	56.0° / 115.0° 93 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	56.0° / 115.0° 93 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	56.0° / 115.0° 93 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM	56.0° / 115.0° 93 % 0.8 cd/lm 1 White G LM302D 58.0° / 114.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency	56.0° / 115.0° 93 % 0.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity	56.0° / 115.0° 93 % 0.8 cd/lm 1 White LM302D 58.0° / 114.0° 93 % 0.7 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	56.0° / 115.0° 93 % 0.8 cd/lm 1 White LM302D 58.0° / 114.0° 93 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	56.0° / 115.0° 93 % 0.8 cd/lm 1 White LM302D 58.0° / 114.0° 93 % 0.7 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	56.0° / 115.0° 93 % 0.8 cd/lm 1 White LM302D 58.0° / 114.0° 93 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	56.0° / 115.0° 93 % 0.8 cd/lm 1 White LM302D 58.0° / 114.0° 93 % 0.7 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	56.0° / 115.0° 93 % 0.8 cd/lm 1 White LM302D 58.0° / 114.0° 93 % 0.7 cd/lm 1	



OPTICAL RESULTS (SIMULATED):

SEOUL
SEOUL SEMICONDUCTOR
LED
FWHM / FWTM
Efficiency
Peak intensity
LEDs/each optic
Light colour
Required components:

SEOUL DC 3030C 57.0° / 114.0° 93 % 0.8 cd/lm 1 White





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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