

STRADELLA-16-HB-M2

~60° medium beam for industrial applications. Improved version with excellent cutoff and low glare.

TECHNICAL SPECIFICATIONS:

Dimensions Height Fastening ROHS compliant 49.5 x 49.5 mm 3.2 mm pin, screw yes (i)



MATERIAL SPECIFICATIONS:

Component STRADELLA-16-HB-M2

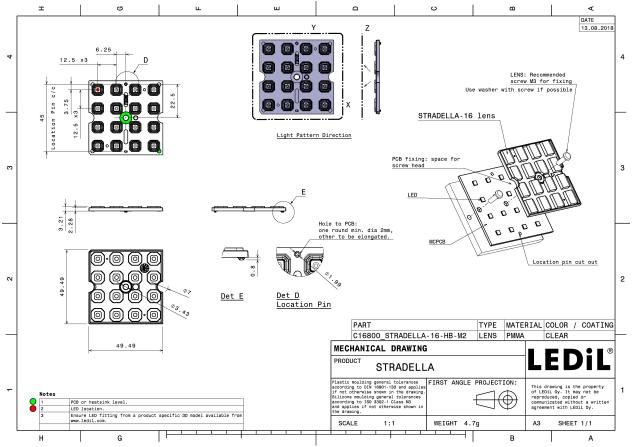
Туре	
Multi-lens	

Material	Colour	Finish
PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16800_STRADELLA-16-HB-M2	800	160	160	4.6
» Box size: 480 x 280 x 300 mm				





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



PHOTOMETRIC DATA (MEASURED):

	D	90 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	J Series 3030 47.0° / 88.0° 97 % 1.2 cd/lm 1 White ents:	27 60 61 61 61 61 61 61 61 61 61 61 61 61 61
ELECTRIO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	EHP-223.5x50-1604-xx-70-LS30-06-NTC 49.0° / 89.0° 97 % 1.2 cd/lm 1 White ents:	



PHOTOMETRIC DATA (SIMULATED):

	DS Contraction of the second	90° 90°
LED FWHM / FWTM Efficiency	LUXEON 2835 Line 63.0° / 92.0° 87 %	<u>77</u> 30
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	ar ar
Required components:		
Protective plate	e, glass	
		30° 25° 30°
	05	50° 30°
LED	LUXEON 2835 Line	75* 77*
FWHM / FWTM	63.0° / 92.0°	200
Efficiency	95 %	gat gat
Peak intensity	0.9 cd/lm	400
LEDs/each optic	1	
Light colour	White	97°
Required components:		
		36° 36° 36°
OSRAM Opto Semiconductors		90° 90°
LED	OSCONIQ C 2424	
FWHM / FWTM	56.0° / 84.0°	75°
Efficiency	96 %	60° 400 60°
		ge
	96 %	je v te v
Peak intensity LEDs/each optic Light colour	96 % 1.2 cd/lm	
Peak intensity LEDs/each optic	96 % 1.2 cd/lm 1	ga 400
Peak intensity LEDs/each optic Light colour	96 % 1.2 cd/lm 1	97 - 60 - 67
Peak intensity LEDs/each optic Light colour	96 % 1.2 cd/lm 1	gr 00 00 00
Light colour	96 % 1.2 cd/lm 1	24
Peak intensity LEDs/each optic Light colour Required components:	96 % 1.2 cd/lm 1	50° 00° 00°
Peak intensity LEDs/each optic Light colour Required components:	96 % 1.2 cd/lm 1 White	50° 0° 0° 50° 0° 0° 50° 0° 0° 50° 0° 0° 50° 0° 50° 0° 50° 0°
Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED	96 % 1.2 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM	96 % 1.2 cd/lm 1 White OSCONIQ S 3030	90 10 10 10 10 10 10 10 10 10 1
Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM	96 % 1.2 cd/lm 1 White OSCONIQ S 3030 55.0° / 92.0°	90 10 10 10 10 10 10 10 10 10 1
Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	96 % 1.2 cd/lm 1 White OSCONIQ S 3030 55.0° / 92.0° 96 %	90 10 10 10 10 10 10 10 10 10 1
Peak intensity LEDs/each optic Light colour Required components:	96 % 1.2 cd/lm 1 White OSCONIQ S 3030 55.0° / 92.0° 96 % 1.1 cd/lm	90 90 90 90 90 90 90 90 90 90
Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	96 % 1.2 cd/lm 1 White OSCONIQ S 3030 55.0° / 92.0° 96 % 1.1 cd/lm 1	90 90 90 90 90 90 90 90 90 90
Peak intensity LEDs/each optic Light colour Required components: ODE SEMICONDUCTOR DE SEMICONDUCTOR FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	96 % 1.2 cd/lm 1 White OSCONIQ S 3030 55.0° / 92.0° 96 % 1.1 cd/lm 1	90 10 10 10 10 10 10 10 10 10 1
Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	96 % 1.2 cd/lm 1 White OSCONIQ S 3030 55.0° / 92.0° 96 % 1.1 cd/lm 1	20 00 00 00 00 00 00 00 00 00 00 00 00 0



PHOTOMETRIC DATA (SIMULATED):

SAMSUN	IC	
		90* 90*
LED	LH231B	73"
FWHM / FWTM	52.0° / 88.0°	
Efficiency	87 %	60° 60°
Peak intensity	1.1 cd/lm	$k \neq A \neq A > 2$
LEDs/each optic	1	
Light colour	White	
Required components:		
Protective plate	e, glass	
		$ \times$ / \vee / \times
		36° 35° 36°
SAMSUN	IG	90° 90°
LED	LH231B	
FWHM / FWTM	50.0° / 86.0°	13. Ja
Efficiency	95 %	
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	$ \times / / \wedge \wedge \times $
Light colour	White	gr dr
Required components:		
		30° 120 30°
		15° 0° 15°
SAMSUN	IG	90* 90*
LED	LM28xB Series	
FWHM / FWTM	58.0° / 94.0°	200 23.
Efficiency	96 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	azv
Required components:		
		30° 30°
0 0 0 0 0 0 0 0 0	10	15' 1000 15'
SAMSUN		90° 90°
LED	LM301B	55 ⁻ 55 ⁻
LED FWHM / FWTM	LM301B 55.0° / 87.0°	25. 26. 20.
LED FWHM / FWTM Efficiency	LM301B 55.0° / 87.0° 93 %	
LED FWHM / FWTM Efficiency Peak intensity	LM301B 55.0° / 87.0° 93 % 1.1 cd/lm	90 ⁴ 90 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LM301B 55.0° / 87.0° 93 % 1.1 cd/lm 1	90 ⁴ 99 ⁷ 37 90 ⁵ 40 - 60 ⁵
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM301B 55.0° / 87.0° 93 % 1.1 cd/lm	22°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LM301B 55.0° / 87.0° 93 % 1.1 cd/lm 1	99 ⁴ 99 ⁴ 90 ⁴ 90 ⁵ 90 ⁶ 90 ⁶ 90 ⁶ 90 ⁶ 90 ⁶ 90 ⁶ 90 ⁷ 90 ⁷ 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM301B 55.0° / 87.0° 93 % 1.1 cd/lm 1	5°* 50 5°* 60 5°* 60 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM301B 55.0° / 87.0° 93 % 1.1 cd/lm 1	27. 27. 29. 00. 00. 00. 00. 00. 00. 00. 00. 00. 0



PHOTOMETRIC DATA (SIMULATED):

	LM302Z plus	35. 36. 80. 80.
FWHM / FWTM	56.0° / 93.0°	
Efficiency	96 %	60* 60*
Peak intensity	1 cd/lm	
LEDs/each optic	1	
Light colour Required components:	White	$r \sim \sqrt{1 + \sqrt{2}} \sim \gamma$
		800
		15° 0° 15°
SAMSUN	IG	90* 90*
LED	LM302Z plus	
FWHM / FWTM	56.0° / 94.0°	200
Efficiency	87 %	60*
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	43° 600 43°
Required components:		
Protective plate	, glass	-
·		30'
		155 1000 155
SEOUL SEMICONDUCTOR		90* 90*
LED	SEOUL DC 3030C	75*
FWHM / FWTM		
	65.0° / 102.0°	200_
Efficiency	65.0° / 102.0° 96 %	200
Efficiency Peak intensity		200 91 ⁴
	96 % 0.8 cd/lm 1	05
Peak intensity LEDs/each optic Light colour	96 % 0.8 cd/lm	200
Peak intensity LEDs/each optic	96 % 0.8 cd/lm 1	60 ⁵ 60 ⁴
Peak intensity LEDs/each optic Light colour	96 % 0.8 cd/lm 1	60 ⁵ 60 ⁴
Peak intensity LEDs/each optic Light colour	96 % 0.8 cd/lm 1	60 ⁵ 60 ⁴
Peak intensity LEDs/each optic Light colour	96 % 0.8 cd/lm 1	60 ⁵ 60 ⁴
Peak intensity LEDs/each optic Light colour Required components:	96 % 0.8 cd/lm 1	200
Peak intensity LEDs/each optic Light colour Required components: seoul semiconouctor	96 % 0.8 cd/lm 1 White	200
Peak intensity LEDs/each optic Light colour Required components: seoul semiconouctor LED	96 % 0.8 cd/lm 1 White SEOUL DC 3528	22 23 24 25 25 20 20 20 20 20 20 20 20 20 20
Peak intensity LEDs/each optic Light colour Required components: seoul semconouctor LED FWHM / FWTM	96 % 0.8 cd/lm 1 White SEOUL DC 3528 58.0° / 98.0°	200
Peak intensity LEDs/each optic Light colour Required components: seoul sewconouctor LED FWHM / FWTM Efficiency	96 % 0.8 cd/lm 1 White SEOUL DC 3528 58.0° / 98.0° 95 %	22 23 24 25 25 26 20 20 20 20 20 20 20 20 20 20
Peak intensity LEDs/each optic Light colour Required components: seoul semconouctor LED FWHM / FWTM Efficiency Peak intensity	96 % 0.8 cd/lm 1 White SEOUL DC 3528 58.0° / 98.0° 95 % 0.9 cd/lm	22 23 24 25 25 26 20 20 20 20 20 20 20 20 20 20
Peak intensity LEDs/each optic Light colour Required components: seour semconoucror LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	96 % 0.8 cd/lm 1 White SEOUL DC 3528 58.0° / 98.0° 95 % 0.9 cd/lm 1	22 23 24 25 25 26 20 20 20 20 20 20 20 20 20 20
Peak intensity LEDs/each optic Light colour Required components: seous semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	96 % 0.8 cd/lm 1 White SEOUL DC 3528 58.0° / 98.0° 95 % 0.9 cd/lm	20 20 20 20 20 20 20 20 20 20
Peak intensity LEDs/each optic Light colour Required components: seour semconoucror LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	96 % 0.8 cd/lm 1 White SEOUL DC 3528 58.0° / 98.0° 95 % 0.9 cd/lm 1	22 23 24 25 25 26 20 20 20 20 20 20 20 20 20 20
Peak intensity LEDs/each optic Light colour Required components: seous semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	96 % 0.8 cd/lm 1 White SEOUL DC 3528 58.0° / 98.0° 95 % 0.9 cd/lm 1	22 23 24 25 25 26 20 20 20 20 20 20 20 20 20 20
Peak intensity LEDs/each optic Light colour Required components: SEOUS SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	96 % 0.8 cd/lm 1 White SEOUL DC 3528 58.0° / 98.0° 95 % 0.9 cd/lm 1	27 00 0 0 0 0 0 0 0 0 0 0 0 0



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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