

STRADELLA-16-HB-W2

~90° medium beam for industrial applications. Improved version with excellent cutoff and low glare.

SPECIFICATION:

Dimensions Height Fastening ROHS compliant 49.5 x 49.5 mm 3.2 mm pin, screw yes 1

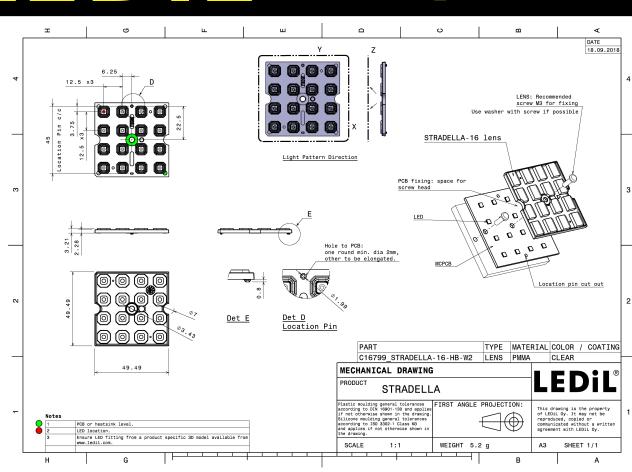


MATERIALS:

Component	Туре	Material	Colour	Finish
STRADELLA-16-HB-W2	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16799_STRADELLA-16-HB-W2	800	160	160	5.0
» Box size: 480 x 280 x 300 mm				



R

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



OPTICAL RESULTS (MEASURED):

CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	J Series 3030 86.0° / 110.0° 97 % 0.6 cd/lm 1 White ents:	
ELECTRID LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	EHP-223.5x50-1604-xx-70-LS30-06-NTC 91.0° / 116.0° 98 % 0.5 cd/lm 1 White ents:	
SCIC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XLE-S44XTEHE (XT-E HE) 96.0° / 139.0° 94 % 0.5 cd/lm 1 White	



OPTICAL RESULTS (SIMULATED):

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Bridgelux SMD 2835 96.0° / 114.0° 95 % 0.5 cd/lm 1 White	
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	CSP 2727 (BXCP) 78.0° / 98.0° 95 % 0.7 cd/lm 1 White	200 200 200 00 00 00 00 00 00 0
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	CSP 2727 (BXCP) 78.0° / 100.0° 87 % 0.6 cd/lm 1 White	200 (cr. 200 (cr.))) (cr. 200 (cr.))) (cr. 200 (cr.))) (cr.))
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 96.0° / 112.0° 95 % 0.5 cd/lm 1 White	200 00° 00° 00° 00° 00° 00° 00° 00° 00°



OPTICAL RESULTS (SIMULATED):

	DS Contraction of the second se	90°
LED FWHM / FWTM Efficiency Peak intensity	LUXEON 2835 Line 96.0° / 112.0° 87 % 0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 300 45*
Required components:		
Protective plate	e, glass	60
		30* 500 15* 0* 15* 30*
OSRAM Opto Semiconductors		90°
LED	Duris S5 (2 chip)	
FWHM / FWTM	94.0° / 114.0°	754
Efficiency	71 %	100 100
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	200
Light colour	White	er / 6
Required components:		
		400
		30* 30* 30*
OSRAM Opto Semiconductors		90* 90
LED	OSCONIQ C 2424	
FWHM / FWTM	92.0° / 108.0°	75%
FWHM / FWTM Efficiency		7
Efficiency	92.0° / 108.0°	20 75 60 ⁴ 200 60
Efficiency Peak intensity	92.0° / 108.0° 95 %	р ¹ — 7 ф ¹ — 200 — ф
Efficiency	92.0° / 108.0° 95 % 0.5 cd/lm	20 200 er
Efficiency Peak intensity LEDs/each optic	92.0° / 108.0° 95 % 0.5 cd/lm 1	65 60 60 60 730 60
Efficiency Peak intensity LEDs/each optic Light colour	92.0° / 108.0° 95 % 0.5 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour	92.0° / 108.0° 95 % 0.5 cd/lm 1	73° 75 84° 200 60 64° 60 64° 60 64° 60 66° 60 66° 60 66° 60 66° 60 66° 60° 60° 60° 60° 60° 60° 60° 60° 60°
Efficiency Peak intensity LEDs/each optic Light colour	92.0° / 108.0° 95 % 0.5 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	92.0° / 108.0° 95 % 0.5 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	92.0° / 108.0° 95 % 0.5 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	92.0° / 108.0° 95 % 0.5 cd/lm 1 White OSCONIQ S 3030 (QSLR31)	
Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM	92.0° / 108.0° 95 % 0.5 cd/lm 1 White OSCONIQ S 3030 (QSLR31) 93.0° / 112.0°	
Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	92.0° / 108.0° 95 % 0.5 cd/lm 1 White OSCONIQ S 3030 (QSLR31) 93.0° / 112.0° 95 %	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	92.0° / 108.0° 95 % 0.5 cd/lm 1 White OSCONIQ S 3030 (QSLR31) 93.0° / 112.0° 95 % 0.5 cd/lm	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	92.0° / 108.0° 95 % 0.5 cd/lm 1 White OSCONIQ S 3030 (QSLR31) 93.0° / 112.0° 95 % 0.5 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	92.0° / 108.0° 95 % 0.5 cd/lm 1 White OSCONIQ S 3030 (QSLR31) 93.0° / 112.0° 95 % 0.5 cd/lm	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	92.0° / 108.0° 95 % 0.5 cd/lm 1 White OSCONIQ S 3030 (QSLR31) 93.0° / 112.0° 95 % 0.5 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	92.0° / 108.0° 95 % 0.5 cd/lm 1 White OSCONIQ S 3030 (QSLR31) 93.0° / 112.0° 95 % 0.5 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required components: Optic Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	92.0° / 108.0° 95 % 0.5 cd/lm 1 White OSCONIQ S 3030 (QSLR31) 93.0° / 112.0° 95 % 0.5 cd/lm 1	



OPTICAL RESULTS (SIMULATED):

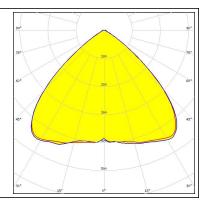
SAMSUN	IG	30 ⁴ 90 ¹
LED	LH231B	
FWHM / FWTM	88.0° / 108.0°	
Efficiency	95 %	600
Peak intensity	0.5 cd/lm	200
LEDs/each optic	1	
Light colour	White	454
Required components:		
SAMSUN	IC	355 04 155
		90* 90*
LED	LH231B	75*
FWHM / FWTM	88.0° / 108.0°	
Efficiency	87 %	60 60
Peak intensity	0.5 cd/lm	200
LEDs/each optic	1	
Light colour	White	
Required components:		
Protective plat	e, glass	
		36° 30'
SAMSUN	IG	90° 90°
LED	LM301B	
FWHM / FWTM	92.0° / 112.0°	75 78
Efficiency	94 %	
Peak intensity	0.5 cd/lm	60° - 200
LEDs/each optic	1	
Light colour	White	45*
Required components:		
		30* 30
SEOUL		13 ³ 8 ⁴ ₀ 10 ⁴
SEOUL SEMICONDUCTOR		90* 90'
LED	SEOUL 3030	
FWHM / FWTM	92.0° / 112.0°	75°
Efficiency	95 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	45'
Required components:		400
		\times 7 $ \rangle $



OPTICAL RESULTS (SIMULATED):

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

SEOUL DC 3030C 96.0° / 115.0° 95 % 0.5 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.

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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

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

Distribution Partners www.ledil.com/ where_to_buy