

## STRADELLA-8-HV-HB-M

~65° medium beam for industrial applications. Variant with improved creepage distance for high voltage circuit designs.

### **SPECIFICATION:**

Dimensions Height Fastening ROHS compliant 49.5 x 49.5 mm 5.7 mm pin, screw yes ()



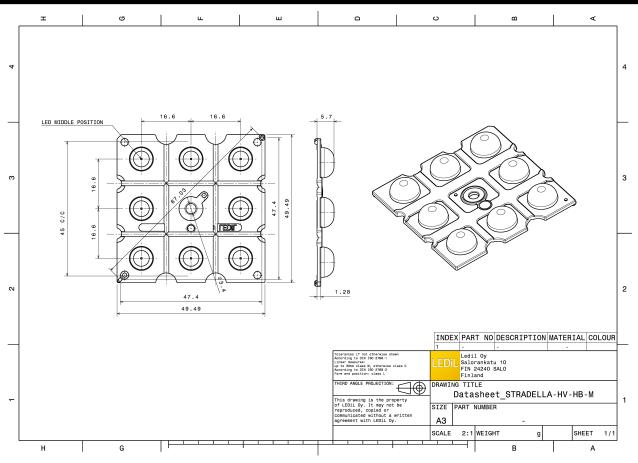
### **MATERIALS:**

Component	Туре	Material	Colour	Finish
STRADELLA-8-HV-HB-M	Multi-lens	PMMA	clear	

### **ORDERING INFORMATION:**

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C15984_STRADELLA-8-HV-HB-M	800	160	160	4.4
» Box size: 480 x 280 x 300 mm				





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



			50*	90*
LED	J Series 3030			1
FWHM / FWTM	62.0° / 123.0°		737	75*
Efficiency	97 %		200	$\checkmark$
Peak intensity	0.7 cd/lm		69°	60*
LEDs/each optic	1			
Light colour	White			45°
Required compone				
			5k0	$\langle \rangle$
			30° 0° 15° 0° 15°	30,0
			90*	90°
LED	XD16			
FWHM / FWTM	64.0° / 132.0°			75*
Efficiency	92 %		50° 200	60.9
Peak intensity	0.6 cd/lm			$\sum$
LEDs/each optic	1		$\leq \Lambda \land \langle \Lambda \rangle \times \Lambda$	$\times$
Light colour	White		19.°	45°
Required compone	ents:		400	
				$\times$
			35° 600 13°	*56
			**   **	
CREE ≑			90°	90°
LEDS	YT.F		50 <sup>4</sup>	90°
LED	XT-E 62.0° / 137.0°		50 <sup>4</sup>	90° 75°
LED FWHM / FWTM	62.0° / 137.0°		50 <sup>4</sup>	90* 75*
LED FWHM / FWTM Efficiency	62.0° / 137.0° 94 %		90 <sup>4</sup>	90* 75* 60*
LED LED FWHM / FWTM Efficiency Peak intensity	62.0° / 137.0° 94 % 0.6 cd/lm		90 <sup>4</sup>	90° 75*
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	62.0° / 137.0° 94 % 0.6 cd/lm 1		99 <sup>4</sup> 72 60 <sup>6</sup> 200 55	92+ 90+ 30+
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	62.0° / 137.0° 94 % 0.6 cd/lm 1 White		99° 72° 60° 5° 60° 60°	90* 25*
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	62.0° / 137.0° 94 % 0.6 cd/lm 1 White		99* 25 09 09 09 00 00 00	90* 50*
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	62.0° / 137.0° 94 % 0.6 cd/lm 1 White		50 <sup>4</sup> 75 64 54 60 60 60	90* 25*
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	62.0° / 137.0° 94 % 0.6 cd/lm 1 White		50°	35°
LEDs EWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	62.0° / 137.0° 94 % 0.6 cd/lm 1 White ents:			35°
LEDs EWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	62.0° / 137.0° 94 % 0.6 cd/lm 1 White ents:			90° 25° 46° 34°
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	62.0° / 137.0° 94 % 0.6 cd/lm 1 White ents:			90* 35* 95*
LEDs EWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	62.0° / 137.0° 94 % 0.6 cd/lm 1 White ents:			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	62.0° / 137.0° 94 % 0.6 cd/lm 1 White ents:			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
LEDS EWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	62.0° / 137.0° 94 % 0.6 cd/lm 1 White ents: SST-10-B130 59.0° / 126.0°			20 X X
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	62.0° / 137.0° 94 % 0.6 cd/lm 1 White ents: SST-10-B130 59.0° / 126.0° 94 %			10 10 10 10 10 10 10 10 10 10 10 10 10 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	62.0° / 137.0° 94 % 0.6 cd/lm 1 White ents: SST-10-B130 59.0° / 126.0° 94 % 0.7 cd/lm			10 10 10 10 10 10 10 10 10 10 10 10 10 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	62.0° / 137.0° 94 % 0.6 cd/lm 1 White ents: SST-10-B130 59.0° / 126.0° 94 % 0.7 cd/lm 1 Deep Red			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	62.0° / 137.0° 94 % 0.6 cd/lm 1 White ents: SST-10-B130 59.0° / 126.0° 94 % 0.7 cd/lm 1 Deep Red			A A A A
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	62.0° / 137.0° 94 % 0.6 cd/lm 1 White ents: SST-10-B130 59.0° / 126.0° 94 % 0.7 cd/lm 1 Deep Red			2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	62.0° / 137.0° 94 % 0.6 cd/lm 1 White ents: SST-10-B130 59.0° / 126.0° 94 % 0.7 cd/lm 1 Deep Red			A A A A A A A A A A A A A A A A A A A



$\sim$	_	
ØNICHI∕	N Contraction of the second seco	50*
LED	NF2W585AR	
FWHM / FWTM	73.0° / 132.0°	
Efficiency	94 %	20
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	e de la companya de la company
Required compone	ents:	
		\$0 <sup>+</sup> 000 3.4
OSRAM		
Opto Semiconductors		
LED FWHM / FWTM	OSCONIQ S 3030 (QSLR31) 63.0° / 121.0°	72
	94 %	200
Efficiency Peak intensity	94 % 0.7 cd/lm	601 60
LEDs/each optic	1	
Light colour	' White	gy 440
Required compone		
Required compone		
PHILI	25	50*
LED	Fortimo FastFlex LED 4x8up PR G5	
FWHM / FWTM	60.0° / 122.0°	
Efficiency	94 %	eu 200
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		30° 30' 30'
SAMSI	UNG	90°
LED	LH151B	
FWHM / FWTM	49.0° / 118.0°	75
Efficiency	93 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	er e
Required compone		
		$\times$ / $\times$ / $\times$
		30- 30
		15 0 15



SEOUL			
SEOUL SEMICONDUCTOR			
LED	SEOUL DC 3030C		
FWHM / FWTM	60.0° / 121.0°		
Efficiency	94 %		
Peak intensity	0.7 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required compone	ents:		
SEOUL SEMICONDUCTOR			90 <sup>1</sup>
LED	Z5M3		
FWHM / FWTM	71.0° / 132.0°		
Efficiency	94 %		
Peak intensity	0.6 cd/lm		
LEDs/each optic	1		
Light colour	White		gr er
Required compone			440
rioquirou compone			
			30" 30" 30"
SEOUL SEOUL SEMICONDUCTOR			90' 90'
	Z5M4		
FWHM / FWTM	71.0° / 118.0°		75. 75
Efficiency	98 %		
Peak intensity	0.7 cd/lm		60*
LEDs/each optic	1		
	White		
Light colour			
Required compone	ents:		
			660
			30° 30° 30°
SEOUL			
SEOUL SEMICONDUCTOR	Z8Y19		
EED FWHM / FWTM	80.0° / 130.0°		
Efficiency	91 %		
Peak intensity	0.5 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required compone	ents:		



SEOUL	
EOUL SEMICONDUCTOR	
LED	Z8Y22
FWHM / FWTM	81.0° / 131.0°
Efficiency	91 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required compone	nts:
Required compone	nts:



		90° 90°
	XP-G2 HE	
LED FWHM / FWTM	70.0° / 128.0°	75*
Efficiency	95 %	
Peak intensity	0.6 cd/lm	60 <sup>%</sup>
LEDs/each optic	1	
Light colour	White	47° 65°
Required components:	White	400
		40 00 00 00 00 00 00 00 00 00 00 00 00 0
LED	XP-G3	
FWHM / FWTM	72.0° / 132.0°	
Efficiency	91 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
		90* 90*
LED	XP-G3	
FWHM / FWTM		75°
	74.0° / 132.0°	
	74.0° / 132.0° 95 %	
Efficiency	95 %	61 200 PC*
Efficiency Peak intensity		6 <sup>1</sup> 209 61*
Efficiency Peak intensity LEDs/each optic	95 % 0.5 cd/lm	6) <sup>1</sup>
Efficiency Peak intensity	95 % 0.5 cd/lm 1	9 <sup>1</sup> 200 60 <sup>2</sup>
Efficiency Peak intensity LEDs/each optic Light colour	95 % 0.5 cd/lm 1	6 <sup>4</sup> 20 6 <sup>4</sup>
Efficiency Peak intensity LEDs/each optic Light colour	95 % 0.5 cd/lm 1	61 60
Efficiency Peak intensity LEDs/each optic Light colour	95 % 0.5 cd/lm 1	54 20 54 57 60 80 80 80 80 80 80 80 80 80 80 80 80 80
Efficiency Peak intensity LEDs/each optic Light colour Required components:	95 % 0.5 cd/lm 1 White	614 200 40 <sup>2</sup> 514 600
Efficiency Peak intensity LEDs/each optic Light colour Required components:	95 % 0.5 cd/lm 1 White	57 57 59 10 10 10 10 10 10 10 10 10 10 10 10 10
Efficiency Peak intensity LEDs/each optic Light colour Required components:	95 % 0.5 cd/lm 1 White S LUXEON 3535L HE	57 57 60 60 60 60 60 60 60 60 60 60 60 60 60
Efficiency Peak intensity LEDs/each optic Light colour Required components:	95 % 0.5 cd/lm 1 White S LUXEON 3535L HE 52.0° / 122.0°	50 50 50 60 60 60 60 60 60 60 60 60 60 60 60 60
Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>CONTINUES</b> LED FWHM / FWTM Efficiency	95 % 0.5 cd/lm 1 White S LUXEON 3535L HE 52.0° / 122.0° 93 %	
Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>CONTINUES</b> LED FWHM / FWTM Efficiency Peak intensity	95 % 0.5 cd/lm 1 White S LUXEON 3535L HE 52.0° / 122.0° 93 % 0.7 cd/lm	61 - 20 - 62 - 62 - 62 - 62 - 62 - 62 - 62
Efficiency Peak intensity LEDs/each optic Light colour Required components:	95 % 0.5 cd/lm 1 White S LUXEON 3535L HE 52.0° / 122.0° 93 % 0.7 cd/lm 1	61 57 80 80 80 157 80 157 80 157 157 157 157 157
Efficiency Peak intensity LEDs/each optic Light colour Required components:	95 % 0.5 cd/lm 1 White S LUXEON 3535L HE 52.0° / 122.0° 93 % 0.7 cd/lm	61 <sup>4</sup> 200 61 <sup>4</sup> 51 <sup>5</sup> 60 <sup>4</sup>
Efficiency Peak intensity LEDs/each optic Light colour Required components:	95 % 0.5 cd/lm 1 White S LUXEON 3535L HE 52.0° / 122.0° 93 % 0.7 cd/lm 1	5° 5° 6° 6° 6° 7° 6° 7° 6° 7° 6° 7° 6° 7° 6° 7° 7° 7° 7°
Efficiency Peak intensity LEDs/each optic Light colour Required components:	95 % 0.5 cd/lm 1 White S LUXEON 3535L HE 52.0° / 122.0° 93 % 0.7 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required components:	95 % 0.5 cd/lm 1 White S LUXEON 3535L HE 52.0° / 122.0° 93 % 0.7 cd/lm 1	



LED	LUXEON HR30	
FWHM / FWTM	54.0° / 121.0°	
Efficiency	93 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
	95	90°
LED	LUXEON TX	
FWHM / FWTM	61.0° / 128.0°	75
Efficiency	94 %	500 mo
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	57° 400
Required components:		
		30* 30*
		159 <sup>0</sup> 0 <sup>0</sup> 150 <sup>0</sup>
<b>Μ</b> ΝΙCΗΙΛ		50°
LED	NVSW519A	21 21
FWHM / FWTM	78.0° / 124.0°	
Efficiency	92 %	60°
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	er at
Required components:		
		30'
<b>Μ</b> ΝΙCΗΙΛ		
LED	NVSxx19B/NVSxx19C	
FWHM / FWTM	65.0° / 124.0°	
Efficiency	91 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		



OSRAM		90° 90°
Opto Semiconductors	OSCONIQ C 2424	
FWHM / FWTM	57.0° / 119.0°	75° 75°
Efficiency	96 %	200
Peak intensity	0.7 cd/lm	60*
LEDs/each optic	1	
Light colour	White	45* 400 450
Required components:	White	
		304 304
		30° 36° 36°
OSRAM Opto Semiconductors		90°
LED	OSCONIQ P 3030	
FWHM / FWTM	49.0° / 119.0°	200
Efficiency	97 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	97°
Required components:		
		~~~~
		36° 35°
		15° 0° 15°
SAMSUN	IG	90°
	LH181A	88 89
		27 26 29 29
LED	LH181A	27 26 26 26
LED FWHM / FWTM	LH181A 67.0° / 135.0°	99 <sup>4</sup> 99 <sup>4</sup>
LED FWHM / FWTM Efficiency	LH181A 67.0° / 135.0° 94 %	59° 57 6° 6°
LED FWHM / FWTM Efficiency Peak intensity	LH181A 67.0° / 135.0° 94 % 0.6 cd/lm	200 200 5 5 5 5 5 5 5 5 5 5 5 5 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH181A 67.0° / 135.0° 94 % 0.6 cd/lm 1	5 5 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH181A 67.0° / 135.0° 94 % 0.6 cd/lm 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH181A 67.0° / 135.0° 94 % 0.6 cd/lm 1	60 60 60 60 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH181A 67.0° / 135.0° 94 % 0.6 cd/lm 1	5 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH181A 67.0° / 135.0° 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH181A 67.0° / 135.0° 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH181A 67.0° / 135.0° 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH181A 67.0° / 135.0° 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH181A 67.0° / 135.0° 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM	LH181A 67.0° / 135.0° 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency	LH181A 67.0° / 135.0° 94 % 0.6 cd/lm 1 White LH181B 59.0° / 122.0° 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity	LH181A 67.0° / 135.0° 94 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH181A 67.0° / 135.0° 94 % 0.6 cd/lm 1 White Vhite LH181B 59.0° / 122.0° 94 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH181A 67.0° / 135.0° 94 % 0.6 cd/lm 1 White Vhite LH181B 59.0° / 122.0° 94 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH181A 67.0° / 135.0° 94 % 0.6 cd/lm 1 White Vhite LH181B 59.0° / 122.0° 94 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH181A 67.0° / 135.0° 94 % 0.6 cd/lm 1 White Vhite LH181B 59.0° / 122.0° 94 % 0.7 cd/lm 1	



SAMSU		7
		90* 90*
LED	LH351D	75*
FWHM / FWTM	79.0° / 124.0°	
Efficiency	94 %	60* 60*
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	a.
Required components:		440
		30° 600 30°
SEOUL		90* 90*
LED	Z8Y22T	
FWHM / FWTM	64.0° / 125.0°	251
Efficiency	94 %	200
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 400 45*
Required components:		
		200
		3° 15° 0° 15°



#### **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