

# STRADELLA-8-HV-HB-W

~85° wide beam for industrial applications. Variant with improved creepage distance for high voltage circuit designs.

## **TECHNICAL SPECIFICATIONS:**

Dimensions Height Fastening ROHS compliant 49.5 x 49.5 mm 7.1 mm pin, screw yes 1



#### **MATERIAL SPECIFICATIONS:**

Component STRADELLA-8-HV-HB-W

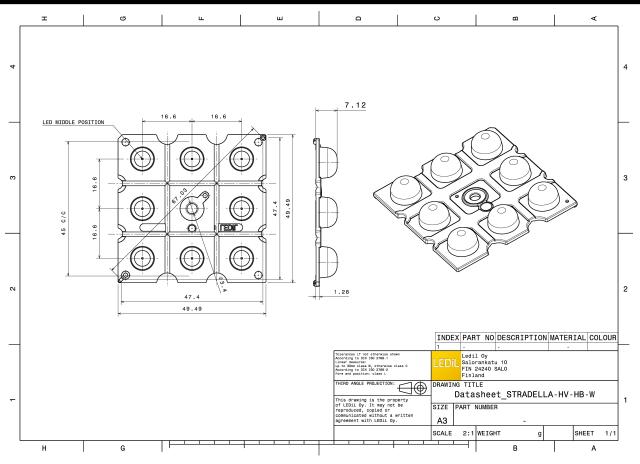
Туре	
Multi-lens	

Material	Colour	Finish
PMMA	clear	

### **ORDERING INFORMATION:**

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C15985_STRADELLA-8-HV-HB-W	800	160	160	6.0
» Box size: 480 x 280 x 300 mm				





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



## **PHOTOMETRIC DATA (MEASURED):**

			90* 90*
LED	J Series 3030		
FWHM / FWTM	92.0° / 133.0°		75'
Efficiency	97 %		
Peak intensity	0.5 cd/lm		
LEDs/each optic	1		
Light colour	White		ge ar
Required compone			
			30*
			15" 30 15"
			90+ 90+
LED	XD16	1000	25
FWHM / FWTM	104.0° / 146.0°	1000	
Efficiency	94 %		50° 65°
Peak intensity	0.4 cd/lm		
LEDs/each optic	1		
Light colour	White		s
Required compone	ints:		
			300
			30° 10° 30°
	0		50°
LED	XT-E		
FWHM / FWTM	92.0° / 141.0°		73.
Efficiency	94 %		
Peak intensity	0.4 cd/lm		$\mathbf{K} = \mathbf{K} + $
Peak intensity LEDs/each optic	0.4 cd/lm 1		
Peak intensity LEDs/each optic Light colour			at
LEDs/each optic	1 White		gr 20 er
LEDs/each optic Light colour	1 White		er 
LEDs/each optic Light colour	1 White		- 30
LEDs/each optic Light colour	1 White		
LEDs/each optic Light colour Required compone	1 White Ints:		
LEDs/each optic Light colour Required compone	1 White INUS		
LEDs/each optic Light colour Required compone	1 White INUS SST-10-B130		
LEDs/each optic Light colour Required compone	1 White INUS SST-10-B130 99.0° / 137.0°		
LEDs/each optic Light colour Required compone	1 White INUS SST-10-B130 99.0° / 137.0° 95 %		
LEDs/each optic Light colour Required compone	1 White ints: SST-10-B130 99.0° / 137.0° 95 % 0.4 cd/lm		
LEDs/each optic Light colour Required compone	1 White INUS SST-10-B130 99.0° / 137.0° 95 % 0.4 cd/lm 1		
LEDs/each optic Light colour Required compone	1 White INUS SST-10-B130 99.0° / 137.0° 95 % 0.4 cd/lm 1 Deep Red		
LEDs/each optic Light colour Required compone	1 White INUS SST-10-B130 99.0° / 137.0° 95 % 0.4 cd/lm 1 Deep Red		
LEDs/each optic Light colour Required compone LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White INUS SST-10-B130 99.0° / 137.0° 95 % 0.4 cd/lm 1 Deep Red		
LEDs/each optic Light colour Required compone	1 White ints: SST-10-B130 99.0° / 137.0° 95 % 0.4 cd/lm 1 Deep Red		



## **PHOTOMETRIC DATA (MEASURED):**

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<b>ØNICHI</b> Λ	<b>L</b>	90° 90°
LED	NF2W585AR	
FWHM / FWTM	102.0° / 142.0°	75.
Efficiency	94 %	100
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	200
Light colour	White	45* 65*
Required compone	nts:	
		36+ 460 34.+
		2 15° of 15°
OSRAM Opto Semiconductors		90* 90*
LED	OSCONIQ S 3030	
FWHM / FWTM	92.0° / 132.0°	100
Efficiency	94 %	600 K K K K K K K K K K K K K K K K K K
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	aa
Required compone	nts:	
		40
		30*
DUUID		10 <sup>5</sup> 2 <sup>6</sup> 15 <sup>5</sup>
PHILIF		
LED	Fortimo FastFlex LED 4x8up PR G5	
LED FWHM / FWTM	Fortimo FastFlex LED 4x8up PR G5 90.0° / 131.0°	
LED FWHM / FWTM Efficiency	Fortimo FastFlex LED 4x8up PR G5 90.0° / 131.0° 94 %	
LED FWHM / FWTM Efficiency Peak intensity	Fortimo FastFlex LED 4x8up PR G5 90.0° / 131.0° 94 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 4x8up PR G5 90.0° / 131.0° 94 % 0.5 cd/lm 1	200 - 200 -
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 4x8up PR G5 90.0° / 131.0° 94 % 0.5 cd/lm 1 White	250 27 27 26 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 4x8up PR G5 90.0° / 131.0° 94 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 4x8up PR G5 90.0° / 131.0° 94 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 4x8up PR G5 90.0° / 131.0° 94 % 0.5 cd/lm 1 White	200 50 50 50 50 60 50 60 50 60 50 60 50 60 50 60 50 60 50 60 50 60 50 60 50 60 50 60 50 50 50 50 50 50 50 50 50 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 4x8up PR G5 90.0° / 131.0° 94 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 4x8up PR G5 90.0° / 131.0° 94 % 0.5 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 4x8up PR G5 90.0° / 131.0° 94 % 0.5 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 4x8up PR G5 90.0° / 131.0° 94 % 0.5 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo FastFlex LED 4x8up PR G5 90.0° / 131.0° 94 % 0.5 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency	Fortimo FastFlex LED 4x8up PR G5 90.0° / 131.0° 94 % 0.5 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency Peak intensity	Fortimo FastFlex LED 4x8up PR G5 90.0° / 131.0° 94 % 0.5 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 4x8up PR G5 90.0° / 131.0° 94 % 0.5 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 4x8up PR G5 90.0° / 131.0° 94 % 0.5 cd/lm 1 White hts:	200 - 75°.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 4x8up PR G5 90.0° / 131.0° 94 % 0.5 cd/lm 1 White hts:	200 - 75°.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 4x8up PR G5 90.0° / 131.0° 94 % 0.5 cd/lm 1 White hts:	200 - 75°.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 4x8up PR G5 90.0° / 131.0° 94 % 0.5 cd/lm 1 White hts:	200 - 75°.



## **PHOTOMETRIC DATA (MEASURED):**

stour stanconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SEOUL DC 3030C 92.0° / 132.0° 94 % 0.5 cd/lm 1 White nts:	
SEOUL		
stout stanconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z5M3 96.0° / 139.0° 94 % 0.4 cd/lm 1 White nts:	
SEOUL		
stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z5M4 94.0° / 126.0° 98 % 0.5 cd/lm 1 White nts:	
SEOUL SEMICONDUCTOR		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z8Y19 100.0° / 142.0° 94 % 0.4 cd/lm 1 White nts:	



### **PHOTOMETRIC DATA (SIMULATED):**

		90* 90*
LED	XP-G2 HE	
FWHM / FWTM	92.0° / 132.0°	75.
Efficiency	94 %	
Peak intensity	0.5 cd/lm	60* 60*
LEDs/each optic	1	
	White	
Light colour Required components:	white	
Required components.		
		30° 30° 30°
		50° 50°
LED	XP-G3	
FWHM / FWTM	96.0° / 138.0°	73. 75.
Efficiency	94 %	- 100
Peak intensity	0.4 cd/lm	60*
LEDs/each optic	1	
Light colour	White	gr at
Required components:	Wilde	
		400
		30° 30° 30°
LED	XP-G3	
FWHM / FWTM	94.0° / 141.0°	
Efficiency	91 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:	White	
Required components.		
	)S	
LED	LUXEON 3030 2D (Round LES)	
EED FWHM / FWTM	87.0° / 130.0°	
Efficiency	94 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:	wine	
Required components:		



#### PHOTOMETRIC DATA (SIMULATED):

3535L HE

### LUMILEDS

LED	LUXEON 3535
FWHM / FWTM	80.0° / 131.0°
Efficiency	94 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

### 

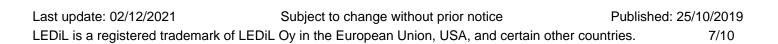
- LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:
- LUXEON CZ 52.0° / 122.0° 96 % 0.7 cd/lm 1 White

### LUMILEDS

LEDLUXEON HR30FWHM / FWTM82.0° / 130.0°Efficiency93 %Peak intensity0.5 cd/lmLEDs/each optic1Light colourWhiteRequired components:1

### UMILEDS

- LEDLFWHM / FWTM8Efficiency9Peak intensity0LEDs/each optic1Light colourWRequired components:
- LUXEON TX 84.0° / 139.0° 92 % 0.5 cd/lm 1 White



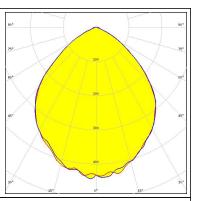


#### **PHOTOMETRIC DATA (SIMULATED):**

#### **ΜΝΙCΗΙΛ**

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

NVSW519A 93.0° / 130.0° 89 % 0.5 cd/lm 1 White



## **Μ**ΝΙCΗΙΛ

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

NVSxx19B/NVSxx19C 95.0° / 134.0° 91 % 0.4 cd/lm 1 White

#### OSRAM Opto Semiconductor LED OSCONIQ C 2424 FWHM / FWTM 92.0° / 134.0° Efficiency 97 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components: OSRAM Opto Semiconductors LED OSCONIQ P 3030 FWHM / FWTM 82.0° / 132.0° 97 % Efficiency Peak intensity 0.5 cd/lm LEDs/each optic 1 White Light colour Required components:



### **PHOTOMETRIC DATA (SIMULATED):**

OSRAM		90* 90*
Opto Semiconductors	SFH 4715AS	
FWHM / FWTM	71.0° / 109.0°	73.
Efficiency	96 %	200
Peak intensity	0.7 cd/lm	60°
LEDs/each optic	1	
Light colour	' IR	410
Required components:		
required components.		
		$X \heartsuit \bigvee X$
		30° 30° 30° 30°
SAMSUN	IG	50° 50°
LED	LH181A	
FWHM / FWTM	97.0° / 143.0°	75°
Efficiency	94 %	100
Peak intensity	0.4 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	gs <sup>2</sup>
Required components:		
		30. 400 30.
		15° 0° 15°
SAMSUN	IG	20° 20° 20°
SAMSUN		<u>50°</u> <u>50°</u> <u>50°</u>
LED	LH181B	25 <sup>5</sup> 0 <sup>6</sup> 25 <sup>4</sup>
LED FWHM / FWTM	LH181B 89.0° / 135.0°	25° 0° 55° 30° 50° 200 50°
LED FWHM / FWTM Efficiency	LH181B 89.0° / 135.0° 94 %	01 01 121 90* 90* 90* 90* 90* 90* 90* 90*
LED FWHM / FWTM Efficiency Peak intensity	LH181B 89.0° / 135.0° 94 % 0.5 cd/lm	25 <sup>°</sup> 0 <sup>4</sup> 25 <sup>°</sup> 90 <sup>°</sup> 90 <sup>°</sup> 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH181B 89.0° / 135.0° 94 % 0.5 cd/lm 1	200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH181B 89.0° / 135.0° 94 % 0.5 cd/lm	25 <sup>°</sup> 0 <sup>0</sup> 55 <sup>°</sup> 90 <sup>4</sup> 90 <sup>4</sup> 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH181B 89.0° / 135.0° 94 % 0.5 cd/lm 1	200 200 00 00 00 00 00 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH181B 89.0° / 135.0° 94 % 0.5 cd/lm 1	200 200 00 00 00 00 00 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH181B 89.0° / 135.0° 94 % 0.5 cd/lm 1	25° 0° 55° 0° 0° 55° 0° 0° 0° 55° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH181B 89.0° / 135.0° 94 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH181B 89.0° / 135.0° 94 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH181B 89.0° / 135.0° 94 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: second semiconductor LED	LH181B 89.0° / 135.0° 94 % 0.5 cd/lm 1 White Z8Y22T	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: storut staniconductor LED FWHM / FWTM	LH181B 89.0° / 135.0° 94 % 0.5 cd/lm 1 White Z8Y22T 90.0° / 137.0°	<u>35' 80 13'</u> <u>91'</u> <u>91'</u>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: stolul semiconductor LED FWHM / FWTM Efficiency	LH181B 89.0° / 135.0° 94 % 0.5 cd/lm 1 White Z8Y22T 90.0° / 137.0° 94 %	<u>35' 80 13'</u> <u>91'</u> <u>91'</u>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity	LH181B 89.0° / 135.0° 94 % 0.5 cd/lm 1 White Z8Y22T 90.0° / 137.0° 94 % 0.5 cd/lm	35 <sup>4</sup> 30 <sup>2</sup> 91 <sup>3</sup> 90 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH181B 89.0° / 135.0° 94 % 0.5 cd/lm 1 White Z8Y22T 90.0° / 137.0° 94 % 0.5 cd/lm 1	35 <sup>4</sup> 30 <sup>2</sup> 91 <sup>3</sup> 90 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH181B 89.0° / 135.0° 94 % 0.5 cd/lm 1 White Z8Y22T 90.0° / 137.0° 94 % 0.5 cd/lm	35 <sup>4</sup> 30 <sup>2</sup> 91 <sup>3</sup> 90 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH181B 89.0° / 135.0° 94 % 0.5 cd/lm 1 White Z8Y22T 90.0° / 137.0° 94 % 0.5 cd/lm 1	35 <sup>4</sup> 30 <sup>2</sup> 91 <sup>3</sup> 90 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH181B 89.0° / 135.0° 94 % 0.5 cd/lm 1 White Z8Y22T 90.0° / 137.0° 94 % 0.5 cd/lm 1	<u>35' 80 13'</u> <u>91'</u> <u>91'</u>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH181B 89.0° / 135.0° 94 % 0.5 cd/lm 1 White Z8Y22T 90.0° / 137.0° 94 % 0.5 cd/lm 1	90 <sup>4</sup> 90 <sup>4</sup>



#### **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.

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#### LEDiL Oy

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#### Distribution Partners www.ledil.com/ where\_to\_buy