

### STRADELLA-8-HV-HB-S

~25° spot beam for industrial applications. Variant with improved creepage distance for high voltage circuit designs.

#### **SPECIFICATION:**

Dimensions	49.5 x 49.5 mm
Height	7.5 mm
Fastening	screw
ROHS compliant	yes 🛈



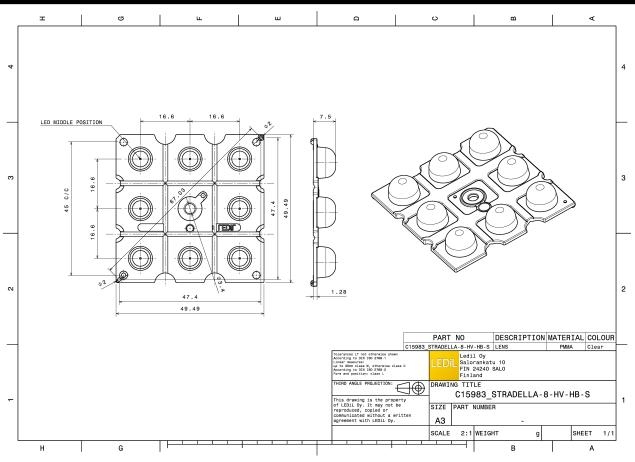
#### **MATERIALS:**

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

#### **ORDERING INFORMATION:**

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C15983_STRADELLA-8-HV-HB-S	800	160	160	5.0
» Box size: 480 x 280 x 300 mm				





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



#### **OPTICAL RESULTS (MEASURED):**

		90° 90°
LED	J Series 3030	
FWHM / FWTM	27.0° / 75.0°	75* 75*
Efficiency	96 %	
Peak intensity	1.9 cd/lm	50* 500 F0*
LEDs/each optic	1	
Light colour	White	47 <sup>4</sup> 1220 47 <sup>4</sup>
Required componen		
		1600
		30* 2000 30*
		15 <sup>5</sup> 0 <sup>6</sup> 35 <sup>5</sup>
		90* 90*
LED	XD16	
FWHM / FWTM	21.0° / 74.0°	400
Efficiency	94 %	60°
Peak intensity	1.9 cd/lm	
LEDs/each optic	1	
Light colour	White	177 - 1200 - 474
Required componen	ts:	
		1630
		X (X X
		36* 2000 36*
i		45° 0° 15°
		90° 90°
CREE ÷ LEDs	XT-E	
LED FWHM / FWTM	XT-E 27.0° / 81.0°	27 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency		75
LED FWHM / FWTM Efficiency Peak intensity	27.0° / 81.0° 94 % 1.6 cd/lm	75
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	27.0° / 81.0° 94 % 1.6 cd/lm 1	73° 66° 66° 66° 700 700 700 700 700 700 700
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	27.0° / 81.0° 94 % 1.6 cd/lm 1 White	75
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	27.0° / 81.0° 94 % 1.6 cd/lm 1 White	73° 66° 600 - 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	27.0° / 81.0° 94 % 1.6 cd/lm 1 White	g. 60 - 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	27.0° / 81.0° 94 % 1.6 cd/lm 1 White	g
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	27.0° / 81.0° 94 % 1.6 cd/lm 1 White	g
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	27.0° / 81.0° 94 % 1.6 cd/lm 1 White ts:	20 00 00 00 00 00 00 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	27.0° / 81.0° 94 % 1.6 cd/lm 1 White ts:	25 64 64 64 66 66 75 75 75 75 75 75 75 75 75 75
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	27.0° / 81.0° 94 % 1.6 cd/lm 1 White ts: NUS SST-10-B130	200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	27.0° / 81.0° 94 % 1.6 cd/lm 1 White ts: SST-10-B130 23.0° / 75.0°	200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component LED FWHM / FWTM Efficiency	27.0° / 81.0° 94 % 1.6 cd/lm 1 White ts: SST-10-B130 23.0° / 75.0° 96 %	200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen EED FWHM / FWTM Efficiency Peak intensity	27.0° / 81.0° 94 % 1.6 cd/lm 1 White ts: SST-10-B130 23.0° / 75.0° 96 % 2.1 cd/lm	20 00 00 00 00 00 00 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	27.0° / 81.0° 94 % 1.6 cd/lm 1 White ts: SST-10-B130 23.0° / 75.0° 96 % 2.1 cd/lm 1	20 00 00 00 00 00 00 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Required componen EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	27.0° / 81.0° 94 % 1.6 cd/lm 1 White ts: SST-10-B130 23.0° / 75.0° 96 % 2.1 cd/lm 1 Deep Red	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	27.0° / 81.0° 94 % 1.6 cd/lm 1 White ts: SST-10-B130 23.0° / 75.0° 96 % 2.1 cd/lm 1 Deep Red	20 00 00 00 00 00 00 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	27.0° / 81.0° 94 % 1.6 cd/lm 1 White ts: SST-10-B130 23.0° / 75.0° 96 % 2.1 cd/lm 1 Deep Red	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Equired component Efficiency Peak intensity LEDs/each optic Light colour	27.0° / 81.0° 94 % 1.6 cd/lm 1 White ts: SST-10-B130 23.0° / 75.0° 96 % 2.1 cd/lm 1 Deep Red	



### **OPTICAL RESULTS (MEASURED):**

OSRAM Opto Semiconductors		90°
LED	OSCONIQ S 3030 (QSLR31)	
FWHM / FWTM	27.0° / 74.0°	
Efficiency	94 %	
Peak intensity	2 cd/lm	
LEDs/each optic	1	
Light colour	White	er - 120 - 120 - 1
Required compone	nts:	
		500
		30*
		*ec /o /ret
PHILIF	<b>'</b> 5	50°
LED	Fortimo FastFlex LED 4x8up PR G5	77
FWHM / FWTM	23.0° / 69.0°	
Efficiency	94 %	601 000
Peak intensity	2.2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	15%
		30.0
		15° 48% 15°
<b>CUWCI</b>		25 <sup>7</sup> (10)
SAMSI		20 <sup>5</sup> 300 10 <sup>5</sup>
LED	LH151B	20 <sup>3</sup> 30 <sup>4</sup> 10 <sup>4</sup>
LED FWHM / FWTM	LH151B 17.0° / 58.0°	
LED FWHM / FWTM Efficiency	LH151B 17.0° / 58.0° 94 %	75
LED FWHM / FWTM Efficiency Peak intensity	LH151B 17.0° / 58.0° 94 % 3 cd/lm	79 93 93
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH151B 17.0° / 58.0° 94 % 3 cd/lm 1	75
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White	79 93 93
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White	79 93 93
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White	737 634 537 500
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White	737 634 537 500
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White	737 634 537 500
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White	75 60 67 60 50 50 50 50 50 50 50 50 50 50 50 50 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White nts: SEOUL DC 3030C	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White nts: SEOUL DC 3030C 26.0° / 73.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White nts: SEOUL DC 3030C 26.0° / 73.0° 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stour semiconductor LED FWHM / FWTM Efficiency Peak intensity	LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White nts: SEOUL DC 3030C 26.0° / 73.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stous semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White nts: SEOUL DC 3030C 26.0° / 73.0° 94 % 2 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stous stanconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White nts: SEOUL DC 3030C 26.0° / 73.0° 94 % 2 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stous semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White nts: SEOUL DC 3030C 26.0° / 73.0° 94 % 2 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stous stanconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White nts: SEOUL DC 3030C 26.0° / 73.0° 94 % 2 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stout stanconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White nts: SEOUL DC 3030C 26.0° / 73.0° 94 % 2 cd/lm 1 White	



### **OPTICAL RESULTS (MEASURED):**

seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z5M3 32.0° / 88.0° 94 % 1.5 cd/lm 1 White	
SEOUL SEMICONDUCTOR		99*
LED	Z5M4	
FWHM / FWTM	33.0° / 82.0°	
Efficiency	97 %	
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	115.	



		90*
LED	XP-G2 HE	
FWHM / FWTM	36.0° / 89.0°	78
Efficiency	93 %	400
Peak intensity	93 /o 1.4 cd/lm	60*
	1	
LEDs/each optic	ı White	47 <sup>4</sup> 800 47
Light colour Required components:	White	
Required components.		
		1270
		30° 15° 36
		80°
LED	XP-G3	
FWHM / FWTM	36.0° / 92.0°	75
Efficiency	92 %	400
Peak intensity	1.3 cd/lm	60* 60
LEDs/each optic	1	
Light colour	White	45* 810 45
Required components:	WIIIG	
Required components.		
		1200
		30 <sup>4</sup> 30 <sup>4</sup> 30 <sup>4</sup>
LED	XP-G3	
FWHM / FWTM	33.0° / 90.0°	
Efficiency	89 %	
Peak intensity	1.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
	)S	
LED	LUXEON 3535L HE	
FWHM / FWTM	20.0° / 65.0°	
Efficiency	90 %	
Peak intensity	2.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
1		



	05	90° 90°
LED	LUXEON CZ	
FWHM / FWTM	20.0° / 62.0°	73
Efficiency	95 %	
Peak intensity	2.7 cd/lm	
LEDs/each optic	1	
Light colour	White	95* a5*
Required components:		200 et 120 xx
UMILEC	DS S	
LED	LUXEON HR30	
FWHM / FWTM	26.0° / 72.0°	
Efficiency	91 %	
Peak intensity	2.1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
MUMILED	15	
LED	LUXEON TX	
FWHM / FWTM	28.0° / 80.0°	
Efficiency	90 %	
Peak intensity	1.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
<b>Μ</b> ΝΙCΗΙΛ		90*
LED	NVSW519A	75*75*
FWHM / FWTM	43.0° / 94.0°	
Efficiency	90 %	60°
Peak intensity	1.2 cd/lm	$\wedge / / / \wedge \wedge /$
LEDs/each optic	1	$  \times /   $
Light colour	White	ar ar
Required components:		30 <sup>3</sup>
		15° 0° 15°



#### **OPTICAL RESULTS (SIMULATED):**

#### **Μ**ΝΙCΗΙΛ

LED	NVSxx19B/NVSxx19C
FWHM / FWTM	30.0° / 86.0°
Efficiency	88 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSCONIQ C 2424 24.0° / 70.0° 94 % 2.2 cd/lm 1 White	201 201 201 201 201 201 201 201
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSCONIQ P 3030 20.0° / 56.0° 95 % 3.2 cd/lm 1 White	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON Square CSSRM2/CSSRM3 30.0° / 76.0° 94 % 1.8 cd/lm 1 White	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°



OSRAM Opto Semiconductors		90°
LED	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	25.0° / 72.0°	75'
Efficiency	94 %	
Peak intensity	2.2 cd/lm	60°
LEDs/each optic	1	
Light colour	Far Red	97° (0*
Required components:		
		1000
		30°
		30 15°
SAMSUN	IG	90° 90°
LED	LH181A	
FWHM / FWTM	27.0° / 86.0°	400
Efficiency	94 %	
Peak intensity	1.7 cd/lm	66 <sup>4</sup>
LEDs/each optic	1	
Light colour	White	gr
Required components:		1200
		2004
SAMSUN	IG	90° 90° 90°
SAMSUN		25° 0° 15°
LED	LH181B	73° 73° 93° 25° 0° 15° 30°
LED FWHM / FWTM	LH181B 28.0° / 78.0°	23 24 25 25 27 27 27 27 27 27 27 27 27 27 27
LED FWHM / FWTM Efficiency	LH181B 28.0° / 78.0° 94 %	
LED FWHM / FWTM Efficiency Peak intensity	LH181B 28.0° / 78.0° 94 % 1.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH181B 28.0° / 78.0° 94 % 1.9 cd/lm	25° 0° 15° 29° 29° 400 50° 400 60° 50° 400 60° 60° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1	ge 66
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1	60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1	50 50 50 50 50 50 50 50 50 50 50 50 50 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1 White	ge 66
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1 White	yu - 200 - 40
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1 White	yu - 200 - 40
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1 White	yu - 200 - 40
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM	LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1 White	30, 30,   30,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency	LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1 White LH351C 36.0° / 87.0° 93 %	30, 30, 30,   30, 30, 30,   30, 30,0 30,   40, 17,0 40,   60, 60, 60,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity	LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1 White LH351C 36.0° / 87.0° 93 % 1.5 cd/lm	30, 30, 30,   30, 30, 30,   30, 30,0 30,   40, 17,0 40,   60, 60, 60,
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	LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1 White LH351C 36.0° / 87.0° 93 % 1.5 cd/lm 1	30, 30, 30,   30, 30, 30,   30, 30,0 30,   40, 17,0 40,   60, 60, 60,
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	LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1 White LH351C 36.0° / 87.0° 93 % 1.5 cd/lm	
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	LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1 White LH351C 36.0° / 87.0° 93 % 1.5 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	LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1 White LH351C 36.0° / 87.0° 93 % 1.5 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	LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1 White LH351C 36.0° / 87.0° 93 % 1.5 cd/lm 1	



SAMSU	NG	50° 50°
LED	LH351D	
FWHM / FWTM	44.0° / 93.0°	75.
Efficiency	92 %	
Peak intensity	1.2 cd/lm	BU BU
LEDs/each optic	1	
Light colour	White	92. 42.
Required components:		
		30° 20°
		15° 0° 15°
SEOUL		
LED	Z8Y19	
FWHM / FWTM	23.0° / 81.0°	
Efficiency	92 %	
Peak intensity	1.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
SEOUL		
		90* 90*
LED	Z8Y22T	
FWHM / FWTM	31.0° / 82.0°	73'
Efficiency	93 %	
Peak intensity	1.7 cd/lm	
LEDs/each optic	1	
Light colour	White	97° 67°
Required components:		1200
		36* 36
		15° 0° 15°