

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 🛈



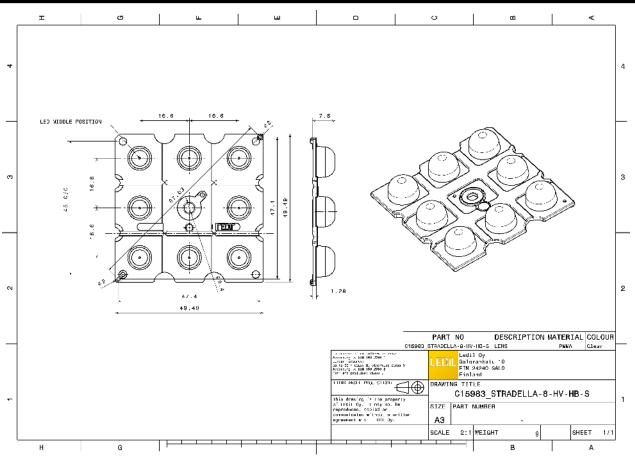
MATERIALS:

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):

LED	J Series 3030	
FWHM / FWTM	27.0° / 75.0°	
Efficiency	96 %	
Peak intensity	1.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
		s
LED	XD16	
FWHM / FWTM	21.0° / 74.0°	$X \times A * K \times 7$
Efficiency	94 %	
Peak intensity	1.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	$\times / \wedge \times$
		V HARV
		\mathbb{X}
		A state of the sta
LED	XT-E	
FWHM / FWTM	27.0° / 81.0°	
Efficiency	94 %	XAM
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
		\times \wedge \times
60		(35° e 30°
CLUM		•··
LED	SST-10-B130	
FWHM / FWTM	23.0° / 75.0°	
Efficiency	96 %	
Peak intensity	2.1 cd/lm	
LEDs/each optic	1	
Light colour	Deep Red	
Required compone	nts:	



OPTICAL RESULTS (MEASURED):

OSRAM Opto Semiconductors		
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	
Required compone	ents:	
		\times \wedge \times
DILLI		
PHILIF	25	5.7
LED	Fortimo FastFlex LED 4x8up PR G5	
FWHM / FWTM	23.0° / 69.0°	
Efficiency	94 %	
Peak intensity	2.2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
0.0.0.0		
SUUV		5.5 E
SAMSU		
LED	LH151B	
LED	LH151B	
LED FWHM / FWTM	LH151B 17.0° / 58.0°	
LED FWHM / FWTM Efficiency	LH151B 17.0° / 58.0° 94 %	
LED FWHM / FWTM Efficiency Peak intensity	LH151B 17.0° / 58.0° 94 % 3 cd/lm	25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White ents: 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 ents: SEOUL DC 3030C 26.0° / 73.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stool structure LED FWHM / FWTM Efficiency	LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White ents: SEOUL DC 3030C 26.0° / 73.0° 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stout stanconductor LED FWHM / FWTM Efficiency Peak intensity	LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White ents: SEOUL DC 3030C 26.0° / 73.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stout stanconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White ents: SEOUL DC 3030C 26.0° / 73.0° 94 % 2 cd/lm 1	
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 ents: 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	LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White ents: 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 ents: 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 ents: 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 stemconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White ents: SEOUL DC 3030C 26.0° / 73.0° 94 % 2 cd/lm 1 White	



OPTICAL RESULTS (MEASURED):

stout structure 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 nts:	
stout semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z5M4 33.0° / 82.0° 97 % 1.6 cd/lm 1 White nts:	



CREE LED	XP-G2 HE 36.0° / 89.0° 93 % 1.4 cd/lm 1 White	
CREE LED	XP-G3 36.0° / 92.0° 92 % 1.3 cd/lm 1 White	
CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-G3 33.0° / 90.0° 89 % 1.4 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	S LUXEON 3535L HE 20.0° / 65.0° 90 % 2.3 cd/lm 1 White	



		1 1/200 10-200 10-
	05	s.*
LED	LUXEON CZ	
FWHM / FWTM	20.0° / 62.0°	
Efficiency	95 %	
Peak intensity	2.7 cd/lm	
LEDs/each optic	1	
Light colour	White	er Mar Mar
Required components:	WINC .	$\mathbb{K} / \mathbb{N} \times \mathbb{N}$
		\times / \setminus \times
		/ State A
	DS	
LED	LUXEON HR30	
FWHM / FWTM	26.0° / 72.0°	
Efficiency	91 %	
Peak intensity	91 % 2.1 cd/lm	
LEDs/each optic	1 White	
Light colour	White	
Required components:		
	5	
	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:		
ØNICHIA		
LED	NVSW519A	
FWHM / FWTM	43.0° / 94.0°	
Efficiency	90 %	
Peak intensity	1.2 cd/lm	× / /
LEDs/each optic	1.2 com	
Light colour	ı White	
	wille	
Required components:		
L		D OWE AT LWC CT



OPTICAL RESULTS (SIMULATED):

WNICHIA

LED	NVS:
FWHM / FWTM	30.0°
Efficiency	88 %
Peak intensity	1.6 c
LEDs/each optic	1
Light colour	White
Required components:	

NVSxx19B/NVSxx19C 30.0° / 86.0° 88 % 1.6 cd/lm 1 White

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	
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	
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	1. 1. 1. 1. 1. 1. 1. 1. 1. 1.



OSRAM Opto Semiconductors		2.7 W
LED	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	25.0° / 72.0°	m / /
Efficiency	94 %	Δ
-	94 % 2.2 cd/lm	5
Peak intensity		
LEDs/each optic		
Light colour	Far Red	
Required components:		
SAMSUN	IG	
LED		
	LH181A	15-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
FWHM / FWTM	27.0° / 86.0°	
Efficiency	94 %	
Peak intensity	1.7 cd/lm	N N \times N
LEDs/each optic	1	
Light colour	White	$1 - 2 \times 1 = 1 \times 1$
Required components:		V THAT V
		X
		×
сласив	10	C C A Second
SAMSUN	10	₽
LED		
	LH181B	- AAAA
FWHM / FWTM	28.0° / 78.0°	
	28.0° / 78.0° 94 %	12
FWHM / FWTM Efficiency Peak intensity	28.0° / 78.0°	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	28.0° / 78.0° 94 % 1.9 cd/lm 1	er de la companya de
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 78.0° 94 % 1.9 cd/lm	er de la companya de
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	28.0° / 78.0° 94 % 1.9 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 78.0° 94 % 1.9 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 78.0° 94 % 1.9 cd/lm 1	50
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 78.0° 94 % 1.9 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	28.0° / 78.0° 94 % 1.9 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	28.0° / 78.0° 94 % 1.9 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN	28.0° / 78.0° 94 % 1.9 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM	28.0° / 78.0° 94 % 1.9 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency	28.0° / 78.0° 94 % 1.9 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity	28.0° / 78.0° 94 % 1.9 cd/lm 1 White ILH351C 36.0° / 87.0° 93 % 1.5 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	28.0° / 78.0° 94 % 1.9 cd/lm 1 White ILH351C 36.0° / 87.0° 93 % 1.5 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 78.0° 94 % 1.9 cd/lm 1 White ILH351C 36.0° / 87.0° 93 % 1.5 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	28.0° / 78.0° 94 % 1.9 cd/lm 1 White ILH351C 36.0° / 87.0° 93 % 1.5 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 78.0° 94 % 1.9 cd/lm 1 White ILH351C 36.0° / 87.0° 93 % 1.5 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 78.0° 94 % 1.9 cd/lm 1 White ILH351C 36.0° / 87.0° 93 % 1.5 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	28.0° / 78.0° 94 % 1.9 cd/lm 1 White ILH351C 36.0° / 87.0° 93 % 1.5 cd/lm 1	



SAMSUN	IG	
LED	LH351D	
FWHM / FWTM	44.0° / 93.0°	
Efficiency	92 %	$\sim \sim \sim \sim$
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	
Light colour	White	et X wi
Required components:		
SEOUL SEMICONDUCTOR		
SEQUE SEMICONDUCTOR	Z8Y19	
FWHM / FWTM	23.0° / 81.0°	
Efficiency	92 %	
Peak intensity	1.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
LED	Z8Y22T	
FWHM / FWTM	31.0° / 82.0°	n de la compañía de
Efficiency	93 %	
Peak intensity	1.7 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
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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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