

STRADELLA-8-HV-CSP-LN1

Beam for EN13201 M-class requirements with high poles or where road width is equal or less the pole height. Variant with improved creepage distance for high voltage circuit design.

SPECIFICATION:

Dimensions	50.0 x 50.0 mm
Height	4.4 mm
Fastening	screw
ROHS compliant	yes 🛈



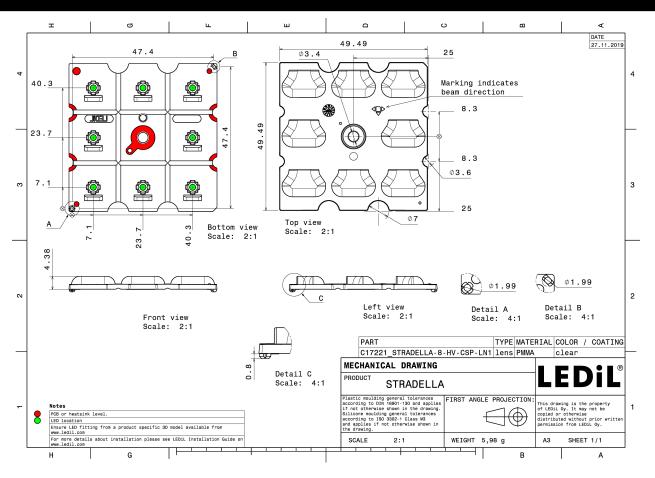
MATERIALS:

Component	Туре	Material	Colour	Finish
STRADELLA-8-HV-CSP-LN1	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17221_STRADELLA-8-HV-CSP-LN1	800	160	160	5.6
» Box size: 480 x 280 x 300 mm				

PRODUCT DATASHEET C17221_STRADELLA-8-HV-CSP-LN1



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



OPTICAL RESULTS (MEASURED):

PHILIF	PS	50°
LED	Fortimo FastFlex LED 4x8up PR G5	A a
FWHM / FWTM	Asymmetric	10 40
Efficiency	96 %	
Peak intensity	1 cd/lm	60°
LEDs/each optic	1	
Light colour	White	45* 2000 45*
Required compone	ents:	1220
		3430
		1000
		30* 1200 0° 10* 30*
0 0 0 0 0 0		
SAMSU	UNG	914 04
	UNG LH151B	8°-
		50°
LED	LH151B	
LED FWHM / FWTM	LH151B Asymmetric	40
LED FWHM / FWTM Efficiency	LH151B Asymmetric 93 %	200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH151B Asymmetric 93 % 1.7 cd/lm 1 White	6°.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH151B Asymmetric 93 % 1.7 cd/lm 1 White	40 60 00 50 50 129
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH151B Asymmetric 93 % 1.7 cd/lm 1 White	6, <u>50</u> 6, <u>50</u> 6, <u>100</u> 6, <u>100</u> 160
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH151B Asymmetric 93 % 1.7 cd/lm 1 White	40 50 50 100 50 100 100 100 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH151B Asymmetric 93 % 1.7 cd/lm 1 White	6° 122 6°



OPTICAL RESULTS (SIMULATED):

LEDS	XD16	10°
FWHM / FWTM	Asymmetric	73° 70° 70°
Efficiency	90 %	
		50 ⁴ 400 50 ⁴
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	X / ee
Light colour	White	45* 45*
Required components:		00
		1000
		30* 1520 1** 30*
	15	90* 90*
LED	LUXEON CZ	
FWHM / FWTM	Asymmetric	13a- 14a- 14a- 14a- 14a- 14a- 14a- 14a- 14
Efficiency	90 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	X
Light colour	White	45* 45*
Required components:		Die
		1000
		X T X
		1200
		30* 15 ³ 0* 15* 30*
	S	
LED	LUXEON HL2Z	9
FWHM / FWTM	Asymmetric	73.6 700 77.6
Efficiency	91 %	
Peak intensity	0.8 cd/lm	60 ⁴ 400 60 ⁴
LEDs/each optic	1	
Light colour	White	
Required components:	White	45" 45"
Required components.		X X
		1000
		1220 125 0° 15° 30°
	5	THA KHI
		90* 90*
	LUXEON HL2Z	720 100 750
FWHM / FWTM	Asymmetric	
Efficiency	76 %	60* 60*
Peak intensity	0.4 cd/lm	X / m X ,
LEDs/each optic		$X \times I \times X$
Light colour	White	45* 460 45*
Required components:		20
Dectoration	, alaga	
Protective plate	e, glass	000
Protective plate	e, glass	00 00 70



OPTICAL RESULTS (SIMULATED):

Μ ΝΙCΗΙΛ		
		90° 90°
	NVSxE21A	750 700 750
FWHM / FWTM	Asymmetric	
Efficiency	91 %	50* 400 60*
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	$X \times / T \setminus X \times$
Light colour	White	45° 000 45°
Required components:		
		1000
		1220
		30* <u>35</u> * 0° <u>15</u> * 30*
MICHIΛ		
LED	NVSxE21A	
FWHM / FWTM	Asymmetric	75° 70°
Efficiency	76 %	
Peak intensity	0.5 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	55° 400
Required components:		
rioquirou componente.		
Protective plate	e, glass	500
		No to
		30° 19° 30°
1		
OSRAM Oto Samiconductors		
Opto Semiconductors	OSCONIQ C 2424	Be Be Be
Opto Semiconductors	OSCONIQ C 2424 Asymmetric	200 10 10 10 10 10 10 10 10 10 10 10 10 1
Opto Semiconductors LED FWHM / FWTM	Asymmetric	
opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 91 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 91 % 0.8 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 91 % 0.8 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.8 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 91 % 0.8 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.8 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.8 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.8 cd/lm 1	20 20 20 20 20 20 20 20 20 20
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.8 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.8 cd/lm 1 White	2 00 00 00 00 00 00 00 00 00 00 00 00 00
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.8 cd/lm 1 White OSCONIQ C 2424	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM	Asymmetric 91 % 0.8 cd/lm 1 White OSCONIQ C 2424 Asymmetric	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 91 % 0.8 cd/lm 1 White OSCONIQ C 2424 Asymmetric 78 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 91 % 0.8 cd/lm 1 White OSCONIQ C 2424 Asymmetric	
opte Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 91 % 0.8 cd/lm 1 White OSCONIQ C 2424 Asymmetric 78 % 0.5 cd/lm 1	
opte Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 91 % 0.8 cd/lm 1 White OSCONIQ C 2424 Asymmetric 78 % 0.5 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.8 cd/lm 1 White OSCONIQ C 2424 Asymmetric 78 % 0.5 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.8 cd/lm 1 White OSCONIQ C 2424 Asymmetric 78 % 0.5 cd/lm 1 White	
opte Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: COSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 91 % 0.8 cd/lm 1 White OSCONIQ C 2424 Asymmetric 78 % 0.5 cd/lm 1 White	



OPTICAL RESULTS (SIMULATED):

PHILIPS		NY M
LED	, Fortimo FastFlex LED 4x8up PR G5	90° 90°
FWHM / FWTM	Asymmetric	75°
Efficiency	83 %	
Peak intensity	0.6 cd/lm	604 604
LEDs/each optic	1	
Light colour	White	
Required components:	White	
required componente.		
Protective plate	e, glass	\times / \top / \times
		1000
		130° 30° 30° 13°
SAMSUN	IG	90* 90*
LED	LH151B	7
FWHM / FWTM	Asymmetric	75°
Efficiency	79 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	× / •••
Light colour	White	45 ⁺ 45 ⁺
Required components:		000
Droto stivo plat		
Protective plate	, glass	
		30* 1255 30* 30*
SAMSUN	IC	
		90* 90*
LED	LH181B	750 100 750
FWHM / FWTM	Asymmetric	
Efficiency	76 %	504 604
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
LEDs/each optic Light colour		0° <u>(0</u> 0°
LEDs/each optic	1	-0°
LEDs/each optic Light colour Required components:	1 White	97 <u>10</u> 97
LEDs/each optic Light colour	1 White	6° 20 6°
LEDs/each optic Light colour Required components:	1 White	30 50 50 50 50 50 50 50 50 50 5
LEDs/each optic Light colour Required components: Protective plat	1 White	90
LEDs/each optic Light colour Required components: Protective plate	1 White e, glass	
LEDs/each optic Light colour Required components: Protective plate SAMSUN LED	1 White e, glass IG LH181B	90
LEDs/each optic Light colour Required components: Protective plate SAMSUN LED FWHM / FWTM	1 White e, glass IG LH181B Asymmetric	90
LEDs/each optic Light colour Required components: Protective plate SAMSUN LED FWHM / FWTM Efficiency	1 White a, glass LH181B Asymmetric 90 %	200 200 200 200 200 200 200 200 200 200
LEDs/each optic Light colour Required components: Protective plate SAMSUN LED FWHM / FWTM Efficiency Peak intensity	1 White e, glass LH181B Asymmetric 90 % 0.7 cd/lm	200 200 200 200 200 200 200 200 200 200
LEDs/each optic Light colour Required components: Protective plate SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	1 White e, glass LH181B Asymmetric 90 % 0.7 cd/lm 1	200 200 200 200 200 200 200 200 200 200
LEDs/each optic Light colour Required components: Protective plat SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White e, glass LH181B Asymmetric 90 % 0.7 cd/lm	90
LEDs/each optic Light colour Required components: Protective plate SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	1 White e, glass LH181B Asymmetric 90 % 0.7 cd/lm 1	20 20 20 20 20 20 20 20 20 20
LEDs/each optic Light colour Required components: Protective plat SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White e, glass LH181B Asymmetric 90 % 0.7 cd/lm 1	20 20 20 20 20 20 20 20 20 20
LEDs/each optic Light colour Required components: Protective plat SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White e, glass LH181B Asymmetric 90 % 0.7 cd/lm 1	20 20 20 20 20 20 20 20 20 20



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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LEDiL Oy

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