

STRADELLA-8-HV-T2

IESNA Type II (medium) beam, applicable for European P-class standard pedestrian lighting and M-class roads. Variant with improved creepage distance for high voltage circuit designs.

TECHNICAL SPECIFICATIONS:

Dimensions	49.5 x 49.5 mm
Height	5 mm
Fastening	pin, screw
ROHS compliant	yes 🕕

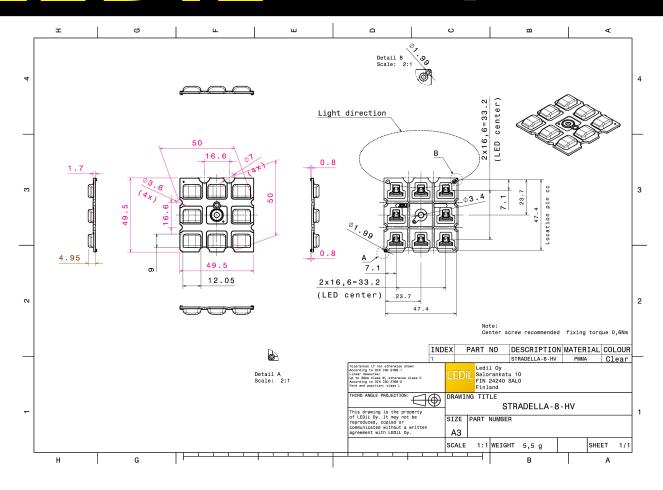


MATERIAL SPECIFICATIONS:

Component	Туре	Material	Colour	Finish
STRADELLA-8-HV-T2	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C15981_STRADELLA-8-HV-T2	800	160	160	5.3
» Box size: 480 x 280 x 300 mm				



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



PHOTOMETRIC DATA (MEASURED):

	D	26.
LED	J Series 3030	
FWHM / FWTM	Asymmetric	200
Efficiency	97 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	431 000
Required compone	ents:	1000
		1200
		1430
		 <u>195</u> d ¹ 197
CREE 🗢 LE		.90*
LED	XD16	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	50* 440
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	67
Required compone	ints:	00
		1000
		\times
		30" 1200 15 ⁹ 0 ⁴ 15 ⁴
	5	
		90°
LED	XT-E	75 200
FWHM / FWTM	Asymmetric	
Efficiency	94 %	400
Peak intensity	0.8 cd/lm	
LEDs/each optic Light colour	1 White	
Required compone		45* 340
Required compone	1115.	
		1000
		1200
		 20, 20, 20, 20,
UMIL	.EDS	
LED	LUXEON TX	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ints:	



PHOTOMETRIC DATA (MEASURED):

OSRAM Opto Semiconductors		90* 90*
LED	OSCONIQ S 3030	
FWHM / FWTM	Asymmetric	730 200 75
Efficiency	94 %	400
Peak intensity	0.8 cd/lm	664 62
LEDs/each optic	1	X + em
Light colour	White	
Required compone		45* 810 42
Required compone	ans.	1000
		1200
		30* 1400 30 13 ⁵ 0 ² 15* 30
PHILIP	DS	THY YHI
LED		90* 92
LED FWHM / FWTM	Fortimo FastFlex LED 4x8up PR G5	730 200 75
	Asymmetric 94 %	
Efficiency Peak intensity	94 % 0.9 cd/lm	50* 600 60
LEDs/each optic	1	X X X
Light colour	White	45*
Required compone	nts.	1200
		1400
		30° 1600 30° 30°
SEOUL		THY YHT
SEOUL SEMICONDUCTOR		90* 92
seoul semiconductor	SEOUL DC 3030C	8° - 99 78' - 20
seoul semiconductor LED FWHM / FWTM	Asymmetric	30° 75° 00 00 00 75°
seoul semiconductor LED FWHM / FWTM Efficiency	Asymmetric 94 %	
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 0.9 cd/lm	90° 70° 80° 80° 80° 80° 80° 80° 80° 80° 80° 8
stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.9 cd/lm 1	\$1° (00 00
scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.9 cd/lm 1 White	
stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.9 cd/lm 1 White	60 60 60 60 50 50 100 50 50
scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.9 cd/lm 1 White	
scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.9 cd/lm 1 White	80 60 F
scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.9 cd/lm 1 White	000 000 000 000 000 000 000 000
scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.9 cd/lm 1 White	
stour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Asymmetric 94 % 0.9 cd/lm 1 White ents:	
seour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seour semiconductor LED	Asymmetric 94 % 0.9 cd/lm 1 White ents:	
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seoul semiconductor LED FWHM / FWTM	Asymmetric 94 % 0.9 cd/lm 1 White ents: Z5M4 Asymmetric	
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seoul semiconductor LED FWHM / FWTM Efficiency	Asymmetric 94 % 0.9 cd/lm 1 White ents: Z5M4 Asymmetric 97 %	
stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 0.9 cd/lm 1 White ents: Z5M4 Asymmetric 97 % 0.6 cd/lm	
stoul stemiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stoul stemiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.9 cd/lm 1 White ents: Z5M4 Asymmetric 97 % 0.6 cd/lm 1	
stour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Stour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.9 cd/lm 1 White ents: Z5M4 Asymmetric 97 % 0.6 cd/lm 1 White	
seour semiconbuctor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seour semiconbuctor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.9 cd/lm 1 White ents: Z5M4 Asymmetric 97 % 0.6 cd/lm 1 White	
stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.9 cd/lm 1 White ents: Z5M4 Asymmetric 97 % 0.6 cd/lm 1 White	
stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.9 cd/lm 1 White ents: Z5M4 Asymmetric 97 % 0.6 cd/lm 1 White	
stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.9 cd/lm 1 White ents: Z5M4 Asymmetric 97 % 0.6 cd/lm 1 White	



LED	XP-G2	30-
FWHM / FWTM	Asymmetric	73° - 70°
	94 %	
Efficiency	0.7 cd/lm	60 ⁴ 400 60 ⁴
Peak intensity		
LEDs/each optic	1	600
Light colour	White	45* 800 5*
Required components:		\times
		1000
		30" 23 ⁵ 0 ⁶ 15" 30"
		THY YHT
LED	XP-G2 HE	90* 90*
EED FWHM / FWTM	Asymmetric	750 200 780
Efficiency	93 %	240
Peak intensity	0.4 cd/lm	60* 300 60*
LEDs/each optic	1	
Light colour	White	400
Required components:	Wille	45* 200 45*
Required components:		610
		700
		30* 15 ⁵ 0 ⁶ 15* 30*
		MA KHI
		90* 90*
	XP-G3	750 300 750
FWHM / FWTM	Asymmetric	
Efficiency	84 %	504 60*
Peak intensity	0.4 cd/lm	X - 200 X
LEDs/each optic	1	
	NAU 24	
Light colour	White	67 60 69
Light colour Required components:	White	4°* 40 4°*
Required components:		40° 40° 4°
		67 60 61
Required components:		45° 400 40° 500 40° 500 40°
Required components:		6°
Required components: Protective plate		er
Required components: Protective plate CREE	, glass	
Required components: Protective plate CREE LED LED	, glass XP-G3	
Required components: Protective plate CREE LED FWHM / FWTM Efficiency	xP-G3 Asymmetric	
Required components: Protective plate Protective plate CREE (LED) LED FWHM / FWTM Efficiency Peak intensity	XP-G3 Asymmetric 94 %	6° 60 61 3° 2° 2° 2° 3° 3° 5° 5° 5° 5° 3° 6° 6° 3° 6° 6° 3° 6° 6° 3° 6° 6° 3° 6° 6°
Required components: Protective plate Protective plate CREE (COMPANY) LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	xP-G3 Asymmetric 94 % 0.5 cd/lm 1	
Required components: Protective plate Protective plate CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G3 Asymmetric 94 % 0.5 cd/lm	500 000 000 000 000 000 000 000
Required components: Protective plate Protective plate CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	xP-G3 Asymmetric 94 % 0.5 cd/lm 1	500 000 000 000 000 000 000 000
Required components: Protective plate Protective plate CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	xP-G3 Asymmetric 94 % 0.5 cd/lm 1	500 000 000 000 000 000 000 000
Required components: Protective plate Protective plate CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	xP-G3 Asymmetric 94 % 0.5 cd/lm 1	500 000 000 000 000 000 000 000



LED XQ-E HD FWHM / FWTM Asymmetric Efficiency 95 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:	97 72 67
LED XQ-E HD FWHM / FWTM Asymmetric Efficiency 95 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:	
FWHM / FWTM Asymmetric Efficiency 95 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:	
Efficiency 95 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:	er.
Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:	6.
LEDs/each optic 1 Light colour White Required components:	67
Light colour White Required components:	6,
Required components:	67
500	$+ \vee$
209 39* 129 13 ⁴ 0 ⁷	
30* 1200 30* 1200	
30* 150 25 ⁴ 6 ²	
	15* 30*
	- VIII
	90*
LED XQ-E HI	
FWHM / FWTM Asymmetric	
Efficiency 96 %	
Peak intensity 0.9 cd/lm	HX /
LEDs/each optic 1	
Light colour White	67
Required components:	-tV
120	
300	
10 42	13*
LUMILEDS	90*
LED LUXEON 3030 2D (Round LES)	
FWHM / FWTM Asymmetric	
Efficiency 94 %	$\times \times$
Peak intensity 0.8 cd/lm	
LEDs/each optic 1	+X
Light colour White	45 ⁺
Required components:	
1000	
1200	
	18* 20
LUMILEDS	90*
LED LUXEON 3030 2D (Square LES)	
FWHM / FWTM Asymmetric	780
Efficiency 94%	
D(*	
D(*	+ X
Peak intensity 0.8 cd/lm LEDs/each optic 1	45%
Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White	6*
Peak intensity 0.8 cd/lm LEDs/each optic 1	
Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White	
Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White	



LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 3535 2D Asymmetric 94 % 0.8 cd/lm 1	
Light colour	White	
Required components:	Wine	
)5	8*
LED	LUXEON C	
FWHM / FWTM	Asymmetric	R Change
Efficiency	78 %	
Peak intensity	0.6 cd/lm	50° 40
LEDs/each optic	1	$ X/ \top \setminus X$
Light colour	White	12° 500
Required components:		
Protective plate	e dass	00
		\times
		201 - 20 ³ - 20 ³ - 20 ³
)S	
LED	LUXEON CZ	
FWHM / FWTM	Asymmetric	
Efficiency	96 %	400
Peak intensity	0.8 cd/lm	505
LEDs/each optic	1	60
Light colour	White	
Required components:		
		1290
		100° 100° 10° 10°
MICHIΛ		
LED	NF2x757D	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		



PHOTOMETRIC DATA (SIMULATED):

A		
X		
N		

LED	NVSxx19B/NVSxx19C
FWHM / FWTM	Asymmetric
Efficiency	84 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass

OSRAM Opto Semiconductore

LED	Duris S5 (2 chip)
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors		90 ⁺ 90 ⁺
LED	OSCONIQ C 2424	
FWHM / FWTM	Asymmetric	12°
Efficiency	86 %	51 ⁴ 60*
Peak intensity	0.7 cd/lm	60°.
LEDs/each optic	1	
Light colour	White	45* 45*
Required components:		200
Protective plat	e, glass	
		30° 15° 0° 13° 30°
OSRAM Opto Semiconductors		90° 90'
LED	OSCONIQ C 2424	
FWHM / FWTM	Asymmetric	The Area Area
Efficiency	96 %	50 ⁴ 60 ⁴
Peak intensity	0.9 cd/lm	500 DO
LEDs/each optic	1	$\times \times / \square \times \times$
Light colour	White	45* <u>800</u> 45*
Required components:		1000
		100



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OSRAM Opto Semiconductors		po*
LED	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	Asymmetric	750 100 755
Efficiency	83 %	
Peak intensity	0.4 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	400
Required components:		
Protective plate	, glass	700
OSRAM		13 ⁵ 0 ⁶ 13 ⁵
Opto Semiconductors		90* 90*
LED	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	Asymmetric	750 - 200 - 70°.
Efficiency	95 %	
Peak intensity	0.6 cd/lm	400 60*
LEDs/each optic	1	
Light colour	White	45* 000 45*
Required components:		
		000
		1000 30* 33*
OSRAM		13, 0, 13,
Opto Semiconductors		
	OSLON Square EC	
FWHM / FWTM	Asymmetric 94 %	
Efficiency Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:	wille	
Required components.		
SAMSUN		
		90*
LED	LH181A	73*
FWHM / FWTM	Asymmetric	
Efficiency	94 %	50° 400 50°.
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	X / en X
Light colour	White	45 ⁺
Required components:		
		3000
		30° 193 400 199 30°
		15" 1200 15"



SAMSUN	G	90* 90*
LED	LH181B	
FWHM / FWTM	Asymmetric	75° 200 77'
Efficiency	94 %	
Peak intensity	0.7 cd/lm	.60 ⁴ 400 60 ⁴
LEDs/each optic	1	$\vee \times \square \vee \vee$
Light colour	White	45* 60
Required components:		800
		\times / \top / \times
		1000
		30* 30*
0.		15 ⁵ 1200 15 ⁴
SAMSUN	IG	90* 90*
LED	LM301B	
FWHM / FWTM	Asymmetric	
Efficiency	96 %	av 400 ar
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	500
Light colour	White	45* 810 65*
Required components:		
		1000
		1200
		30* 233
SECUL		
SEOUL SEMICONDUCTOR		90* 90*
LED	Z8Y19	
FWHM / FWTM	Asymmetric	
Efficiency	93 %	50* 400 50*
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	600
Light colour	White	45* 800 45*
Required components:		
		1270
		30* 15 [*] 30*
SEOUL		THI EFT
SEOUL SEMICONDUCTOR		50°
seoul semiconductor LED	Z8Y22	90° - 90°
seoul semiconductor LED FWHM / FWTM	Asymmetric	90° 73° 10° 10° 10° 10° 10° 10° 10° 10° 10° 10
seoul semiconductor LED FWHM / FWTM Efficiency	Asymmetric 93 %	20°
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 93 % 0.7 cd/lm	50 ¹ 10 50 ¹
stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 0.7 cd/lm 1	
stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.7 cd/lm	
stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 0.7 cd/lm 1	
scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.7 cd/lm 1	
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.7 cd/lm 1	



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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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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