

STRADELLA-8-HV-T3

IESNA Type III (medium) beam for roads that are equal to or wider than mounting height. Variant with improved creepage distance for high voltage circuit designs.

SPECIFICATION:

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



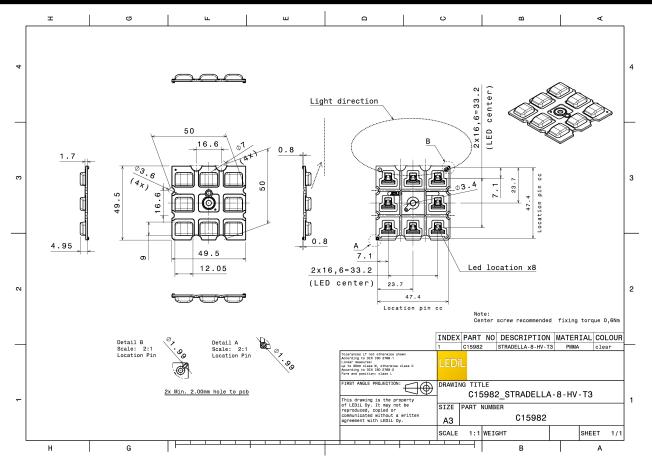
MATERIALS:

Component	Туре	Material	Colour	Finish
STRADELLA-8-HV-T3	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C15982_STRADELLA-8-HV-T3	800	160	160	5.7
» 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		A
FWHM / FWTM	Asymmetric		75°
Efficiency	97 %		
Peak intensity	0.7 cd/lm		en e
LEDs/each optic	1		400
Light colour	White		45° 45
Required compone			50
			X X
			200
			\times / \times
			30* 13 ⁵
LED	XD16		90* 90*
FWHM / FWTM	Asymmetric		75°
Efficiency	94 %		
Peak intensity	0.8 cd/lm		80 ⁴ 601
LEDs/each optic	1		
Light colour	White		
Required compone			42, 600
Required compone	ento.		
			30* 15° 30*
			THA KHI
	VTF		90° 90°
LED FWHM / FWTM	XT-E		75*
Efficiency	Asymmetric 94 %		
			60' 60'
Peak intensity LEDs/each optic	0.6 cd/lm 1		30
LEDS/each optic	White		40
Required compone			e e
Required compone	ents.		500
			000
			700
			30° 13 ⁵ 0° 15° 30°
	FDS		
	LUXEON TX		
FWHM / FWTM	Asymmetric		
Efficiency	94 %		
Peak intensity	0.7 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required compone	ents:		



OPTICAL RESULTS (MEASURED):

FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.6 cd/m LEDs/each optic 1 Lght colour White Required components:			
LED LUXEON V2 FWHM / FVTTM Asymmetric Efficiency 94 % Peak intensity 0.6 cd/lm LEDS/each optic 1 LEDS/each optic 2 FWHM / FVTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/lm LEDS/each optic 1 Light colour White Required components: COSCNIQ S 3030 (QSLR31) FVHM / FVTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/lm LEDS/each optic 1 Light colour White Required components:	COMIL	EDS	94* 99*
FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.6 cd/m LEDs/each optic 1 Light colour White Required components: Image: Colour of the col	LED		
Efficiency 94 % Peak intensity 0.6 ofd/m LED/each option 1 Light colour White Required components: EVILI / FVTM Asymmetric Efficiency 94 % Peak intensity 0.7 odf/m LED/each option 1 Light colour White Required components: EVILI / FVTM Asymmetric Efficiency 94 % Peak intensity 0.7 odf/m LED/each option 1 Light colour White Required components: EVILI / FVTM Asymmetric Efficiency 94 % Peak intensity 0.7 colf/m LED/each option 1 Light colour White Required components: EVILI / FVTM Asymmetric Efficiency 94 % Peak intensity 0.7 colf/m LED/each option 1 Light colour White Required components:	FWHM / FWTM		200 - 701.
Peak intensity 0.6 cd/lm LEDS/each optic 1 Lght colour White Required components:	Efficiency		
LEDs/each optic 1 Light colour White Required components:	-		. 60
Light colour White Required components: ENCHINE LED NE2W585AR FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 col/m LEDs/each optic 1 Light colour White Required components: ENCENNE LED OSCONIQ S 3030 (QSLR31) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 col/m LED OSCONIQ S 3030 (QSLR31) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 col/m LEDs/each optic 1 Light colour White Required components: Efficiency 94 % Peak intensity 0.7 col/m LEDs/each optic 1 Light colour White Required components: Efficiency 94 % Peak intensity 0.7 col/m LEDs/each optic 1 Light colour White Required components:		1	
Required components:		White	(c)
Image: Constraint of the symmetric straint of the symmetric strai		nts:	500
LED NF2W585AR FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour White Required components: CORCENT Descent Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LED OSCONIQ S 3030 (QSLR31) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour White Required components:			
LED NF2W585AR FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour White Required components: CORCENT Descent Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LED OSCONIQ S 3030 (QSLR31) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour White Required components:			700
LED NF2W585AR FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour White Required components: CORCENT Descent Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LED OSCONIQ S 3030 (QSLR31) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour White Required components:			
LED NF2W585AR FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour White Required components: CORCENT Descent Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LED OSCONIQ S 3030 (QSLR31) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour White Required components:			30 ⁴ 25 ⁵ 0 ⁶ 25 ⁴ 30 ⁷
EVHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour White Required components: COSCONIQ S 3030 (QSLR31) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour White Required components:	MNICHIA	х х	50° 50°
Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components LED SCONIQ S 3030 (QSLR31) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components	LED	NF2W585AR	100
Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components: COSCAN Gene Subsection LED OSCONIQ S 3030 (QSLR31) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:	FWHM / FWTM	Asymmetric	75*
LEDs/each optic 1 Light colour White Required components:	Efficiency	94 %	
Light colour White Required components:	Peak intensity	0.7 cd/lm	. 60 ⁴
Required components: COSRAM Over Semenature LED OSCONIQ S 3030 (QSLR31) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour White Required components:	LEDs/each optic	1	400
OSREM Upd Semiconductor LED OSCONIQ S 3030 (QSLR31) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components: Image: Colour of the second of the s	Light colour	White	45° 500 45°
OSCONIQ S 3030 (QSLR31) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:	Required compone	nts:	60
OSCONIQ S 3030 (QSLR31) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:			
OSCONIQ S 3030 (QSLR31) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:			710
Optile Semiconductoris LED OSCONIQ S 3030 (QSLR31) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components			30* 30*
Optile Semiconductoris LED OSCONIQ S 3030 (QSLR31) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components	OCDAM		42 0' 13'
FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:	Opto Semiconductors		90*
Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:	LED	OSCONIQ S 3030 (QSLR31)	100
Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:	FWHM / FWTM	Asymmetric	78°
LEDs/each optic 1 Light colour White Required components:	Efficiency		
Light colour White Required components:	Peak intensity		
Required components:			400
200 200 200 200 200 200 200 200 200 200			45* 510 45*
	Required compone	nts:	80
			700
PHILIPS			30° 20° 30°
		C	
			90* 90*
	LED		
	FWHM / FWTM		
64	Efficiency		er kirker in here in h
	Peak intensity		
	LEDs/each optic		
	Light colour		6, 6,
Required components:	Requirea componei	1 Ι S:	
80			
200			1000



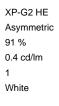
OPTICAL RESULTS (MEASURED):

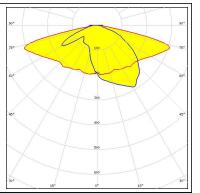
SEOUL		90* 90*
SEOUL SEMICONDUCTOR	SEOUL DC 3030C	30-
FWHM / FWTM	Asymmetric	730 770
Efficiency	94 %	X THE
Peak intensity	0.7 cd/lm	50* 60*
LEDs/each optic	1	400
	White	
Light colour Required componer		6, 6,
Required componer	lis.	
		0/6
		30* 15 ⁵ 0* 15* 30*
SEOUL		
SEOUL SEMICONDUCTOR		90* 90*
LED	Z5M3	100
FWHM / FWTM	Asymmetric	75*
Efficiency	94 %	
Peak intensity	0.6 cd/lm	$\land \land $
LEDs/each optic	1	× / 400
Light colour	White	65*
Required componer	its:	
		800
		700
		30° 30° 30°
SEOUL		112 ³ 000 115 ⁴
SEOUL SEMICONDUCTOR		90*
LED	Z5M4	a
FWHM / FWTM	Asymmetric	770
Efficiency	96 %	10
Peak intensity	0.6 cd/lm	60* 300 B0*
LEDs/each optic	1	
Light colour	White	45% 400
Required componer	its:	200
		760
		30° 15 ⁵ 30° 15* 30°



OPTICAL RESULTS (SIMULATED):

LEDXP-FWHM / FWTMAsyEfficiency91Peak intensity0.4LEDs/each optic1Light colourWhRequired components:





LUMILEDS

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

LUXEON 3030 2D (Round LES) Asymmetric 94 % 0.8 cd/lm 1 White

UMILEDS

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

LUXEON 3535 2D Asymmetric 94 % 0.7 cd/lm 1 White s:

	DS	90°
LED	LUXEON CZ	A A A A A A A A A A A A A A A A A A A
FWHM / FWTM	Asymmetric	
Efficiency	95 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	e [*] e [*]
Required components	S:	80
		80
		30° 22 ⁵ 0° 23°



ΜΝΙCΗΙΛ		
LED	NF2x757D	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
MNICHIA		50*
LED	NVSxx19B/NVSxx19C	4
FWHM / FWTM	Asymmetric	100
Efficiency	73 %	
Peak intensity	0.3 cd/lm	
LEDs/each optic	1	
Light colour	White	45*
Required components:		300
		\times
Protective plate	, glass	400
		30*
ØΝΙCΗΙΛ		
		90* 90
LED	NVSxx19B/NVSxx19C	200
FWHM / FWTM	Asymmetric	The second secon
Efficiency		
	94 %	
Peak intensity	0.6 cd/lm	507 300 6
Peak intensity LEDs/each optic	0.6 cd/lm 1	505 300 6
Peak intensity LEDs/each optic Light colour	0.6 cd/lm	60 ⁴ 400 407 500 400 400 400 400 400 400 400 400 400
Peak intensity LEDs/each optic	0.6 cd/lm 1	60° - 200 - 200
Peak intensity LEDs/each optic Light colour	0.6 cd/lm 1	6 ³⁴ 20 6 ³⁴ 20 6 ³⁴ 20 6 ³⁵ 20 20
Peak intensity LEDs/each optic Light colour	0.6 cd/lm 1	6)* <u>30</u> 6 40 6)* <u>50</u> 60 70
Peak intensity LEDs/each optic Light colour	0.6 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required components:	0.6 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required components:	0.6 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required components:	0.6 cd/lm 1 White NVSxx19B/NVSxx19C	
Peak intensity LEDs/each optic Light colour Required components:	0.6 cd/lm 1 White NVSxx19B/NVSxx19C Asymmetric	
Peak intensity LEDs/each optic Light colour Required components:	0.6 cd/lm 1 White NVSxx19B/NVSxx19C Asymmetric 84 %	
Peak intensity LEDs/each optic Light colour Required components:	0.6 cd/lm 1 White NVSxx19B/NVSxx19C Asymmetric 84 % 0.5 cd/lm	
Peak intensity LEDs/each optic Light colour Required components:	0.6 cd/lm 1 White NVSxx19B/NVSxx19C Asymmetric 84 % 0.5 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required components:	0.6 cd/lm 1 White NVSxx19B/NVSxx19C Asymmetric 84 % 0.5 cd/lm	
Peak intensity LEDs/each optic Light colour Required components:	0.6 cd/lm 1 White NVSxx19B/NVSxx19C Asymmetric 84 % 0.5 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required components: WICHIN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	0.6 cd/lm 1 White NVSxx19B/NVSxx19C Asymmetric 84 % 0.5 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required components:	0.6 cd/lm 1 White NVSxx19B/NVSxx19C Asymmetric 84 % 0.5 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required components: WICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	0.6 cd/lm 1 White NVSxx19B/NVSxx19C Asymmetric 84 % 0.5 cd/lm 1 White	



OPTICAL RESULTS (SIMULATED):

OSRAM LED Duris S5 (2 chip) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components: **OSRAM** OSCONIQ C 2424 LED FWHM / FWTM Asymmetric Efficiency 95 % Peak intensity 0.7 cd/lm LEDs/each optic 1 White Light colour Required components: OSRAM Opto Semiconductore LED OSCONIQ C 2424 FWHM / FWTM Asymmetric Efficiency 83 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass **OSRAM** Opto Se LED **OSLON Square EC** FWHM / FWTM Asymmetric 93 % Efficiency Peak intensity 0.7 cd/lm LEDs/each optic 1 White Light colour Required components:



PHILIPS		
LED	Fortimo FastFlex LED 4x8up PR G5	
FWHM / FWTM	Asymmetric	750 100
Efficiency	85 %	
Peak intensity	0.6 cd/lm	50* 300 6
		$ \times \times / \top \nabla \times \times$
LEDs/each optic	1	400
Light colour Required components:	White	45° 50 4
Required components:		640
Protective plate	, glass	770
		30° 500 30° 30° 30°
SAMSUN	IG	90*
LED	LH151B	
FWHM / FWTM	Asymmetric	75°
Efficiency	83 %	
Peak intensity	0.7 cd/lm	60*
LEDs/each optic	1	\times
Light colour	White	45* 45
Required components:		600
Protective plate	, glass	000
		30° 1000 30° 300
SAMSUN	IG	90* 90°
LED	LH181A	a.
FWHM / FWTM	Asymmetric	2° Contractor 70
Efficiency	94 %	
Peak intensity	0.6 cd/lm	-60 ⁴ - 300 - 60
LEDs/each optic	1	400
Light colour	White	N5° 500 45
Required components:		600
		200
		30° 300 15° 30
SAMSUN	IG	
LED	LH181B	
FWHM / FWTM	Asymmetric	75%
Efficiency	83 %	
Peak intensity	0.6 cd/lm	àor 300 66
LEDs/each optic	1	$X \times / T \times X$
Light colour	White	40
	Willo	
Reduired componente.		h h h h h h h h h h
Required components:		600
Protective plate	, glass	- in
	, glass	60



SAMSUN	IG	
LED	LH181B	yo"
FWHM / FWTM	Asymmetric	73° 75°
Efficiency	94 %	
Peak intensity	0.7 cd/lm	60 ⁴ 60 ⁴
LEDs/each optic	1	400
Light colour	White	45* 65*
Required components:		600
		800
		30° 15° 90°
SAMSUN	IG	90* 90*
LED	LH351B	9
FWHM / FWTM	Asymmetric	73°
Efficiency	82 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	45° 6°
Required components:		400
Brotostivo plate		
Protective plate	, glass	
		30° 15° 600 15° 30°
SEOUL		
SEOUL SEMICONDUCTOR	SEOUL 3030	90° 90°
FWHM / FWTM	Asymmetric	750 770
Efficiency	98 %	
Peak intensity	0.6 cd/lm	60 ⁴ 60 ⁴
LEDs/each optic	1	40
Light colour	White	45'
Required components:		600
		\times / \setminus \times
		000
		\times / $ \rangle >$
		(30° 235 0° 15° 30°
SEOUL		90* 90*
LED	SEOUL 3030	2
FWHM / FWTM	Asymmetric	73°
Efficiency	98 %	
Peak intensity	0.7 cd/lm	.60 ⁴ 60 ⁴
LEDs/each optic	1	X /T X
Light colour	White	45* 600 45*
Required components:		
required components.		
Required components.		800
nequired components.		20
rrequired components.		00



-		
SEOUL SEOUL SEMICONDUCTOR		50°
LED	Z8Y19	9
FWHM / FWTM	Asymmetric	73° 200 75°
Efficiency	93 %	
Peak intensity	0.8 cd/lm	.50 ⁴ 60 ⁴
LEDs/each optic	1	
Light colour	White	45+ 600 45+
Required components:		\times
		80
		\times
		30* 200
		15 ³ 0 ⁶ 15 ⁴
		8)* 9)*
SEOUL SEMICONDUCTOR	Z8Y22	2°
seoul semiconductor LED	Z8Y22 Asymmetric	2° 31
seoul semiconductor LED FWHM / FWTM	Asymmetric	131 131 131 131 131 131 131 131 131 131
seoul semiconductor LED FWHM / FWTM Efficiency		50° 50° 73° 72° 64° 694
seoul semiconductor LED FWHM / FWTM	Asymmetric 93 %	91 [*] 92 [*] 64 [*] 40
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 93 % 0.7 cd/lm	
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 0.7 cd/lm 1	73 - 201 60 - 64
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.7 cd/lm 1	73 - 201 60 - 64
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.7 cd/lm 1	73 - 20 20 60 - 60
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.7 cd/lm 1	73



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

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