

# PRODUCT DATASHEET FN15187\_STELLA-T4

# **STELLA-T4**

IESNA Type IV for wider roads and area lighting like car parks and gardens. Compatible with up to 23 mm LES size COBs. Variant with white frame.

### **SPECIFICATION:**

Dimensions	Ø 90.0 mm
Height	26.9 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes 🛈



## **MATERIALS:**

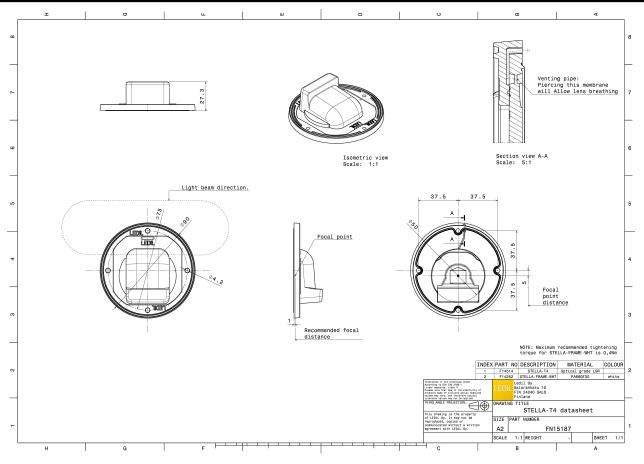
Component	Туре	Material	Colour	Finish
STELLA-T4	Single lens	Silicone	clear	
STELLA-FRAME-WHT	Holder	PA66	white	

## **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FN15187_STELLA-T4	Single lens	135	135	15	7.1
» 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>



# **OPTICAL RESULTS (MEASURED):**

$\sim$		
bridgelux.		50* 50*
LED	V22 Gen7	
FWHM / FWTM	Asymmetric	75*75*
Efficiency	90 %	
Peak intensity	0.5 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	10°
Required compone		
		400
		500
		30° 15° 0° 15° 30°
CREE ≑		
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850	<u>90*</u> 90*
FWHM / FWTM	Asymmetric	75* 200 75*
Efficiency	92 %	
Peak intensity	0.5 cd/lm	.63 <sup>6</sup> 20 60 <sup>4</sup>
LEDs/each optic	1	
Light colour	White	
Required compone		
		500
		30° 500 15° 30°
UMIL	EDS	
LED	LUXEON CoB 1208	
FWHM / FWTM	Asymmetric	
Efficiency	93 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	
	EDC.	
LED	LUXEON CoB 1211	
FWHM / FWTM	Asymmetric	
Efficiency	92 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	



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

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LED	CxM-14 (19x19)
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required componer	its:

### 

LED	CxM-18 (21.5x21.5)
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required componen	ts:

# **Ø**NICHIΛ

LED	COB J-Type
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required componer	nts:

#### OSRAM

LED	Soleriq S13
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required componen	ts:



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

#### OSRAM

LED	Soleriq S19
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required componen	ts:

SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LC016D / LC019D / LC026D / LC033D Asymmetric 92 % 0.5 cd/lm 1 White	
SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LC040D / LC060D / LC080D Asymmetric 91 % 0.5 cd/lm 1 White	
SEQUIL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 4		



# **OPTICAL RESULTS (MEASURED):**

seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	MJT COB LES 22 Asymmetric 90 % 0.5 cd/lm 1	95° 73° 68° 200	90*
Light colour Required compone Bender Wirth: 43		300 100 204 127 127 127 127	30.4



# **OPTICAL RESULTS (SIMULATED):**

bridgelux.		90* 90*
LED	V10 Gen7	
FWHM / FWTM	Asymmetric	73° (100 75°
Efficiency	94 %	$\times$ $\times$ $\times$ $\times$ $\times$ $\times$
Peak intensity	0.5 cd/lm	604 604
LEDs/each optic	1	
Light colour	White	
Required components:	THE STREET	400 400
Bender Wirth: 486 Ty		
Dender Wirth. 400 Ty		
		000
		30* 15 <sup>5</sup> 0 <sup>6</sup> 15 <sup>4</sup> 30 <sup>4</sup>
bridgelux.		90°
LED	V13 Gen7	
FWHM / FWTM	Asymmetric	73°
Efficiency	96 %	
Peak intensity	0.5 cd/lm	60° 60°
LEDs/each optic	1	× ×
Light colour	White	45*
Required components:		$\times$ $\land$ $\times$
Bender Wirth: 477 Ty	p Z1	
		600
1		
		30° 15° 30°
bridgelux.		20° 10° 20° 20° 20°
bridgelux. LED	V18 Gen7	20° 20° 20° 20°
LED		20* 20* 20* 20* 20* 20* 20* 25* 10* 20*
LED FWHM / FWTM	V18 Gen7 Asymmetric 94 %	20° <u>39° 50° 10° 50°</u>
LED FWHM / FWTM Efficiency	Asymmetric 94 %	20* <u>25</u> <u>0*</u> 20* 20*
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric	20° <u>23° 20° 10°</u> 30° 20° <u>10° 50°</u> 20° <u>10° 50°</u>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1	20* <u>13* 30*</u> 30*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: bridgeLux. LED	Asymmetric 94 % 0.5 cd/lm 1 White V22 Gen7	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: bridgelux. LED FWHM / FWTM	Asymmetric 94 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: bridgelux. LED FWHM / FWTM Efficiency	Asymmetric 94 % 0.5 cd/lm 1 White V22 Gen7 Asymmetric 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: bridgelux. LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 0.5 cd/lm 1 White V22 Gen7 Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.5 cd/lm 1 White V22 Gen7 Asymmetric 94 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1 White V22 Gen7 Asymmetric 94 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: bridgetux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.5 cd/lm 1 White V22 Gen7 Asymmetric 94 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1 White V22 Gen7 Asymmetric 94 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.5 cd/lm 1 White V22 Gen7 Asymmetric 94 % 0.5 cd/lm 1 White	



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

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bridge	LUV.
Druge	un

LED	VERO18
FWHM / FWTM	Asymmetric
Efficiency	91 %
LEDs/each optic	1
Light colour	White
Required components:	

# CITIZEN

LED	С
FWHM / FWTM	A
Efficiency	93
LEDs/each optic	1
Light colour	W
Required components:	

CLL03x/CLU03x Asymmetric 93 % 1 White

CITIZEN		90*
LED	CLL03x/CLU03x	
FWHM / FWTM	Asymmetric	750 707
Efficiency	94 %	
Peak intensity	0.5 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	45+ 400 45*
Required components:		
Bender Wirth: 433 T	yp Z1	$\times$
		600
		30* 30*
		13 <sup>2</sup> 0 <sup>6</sup> 13 <sup>3</sup>
CITIZEN		90* 90*
LED	CLL04x/CLU04x	
FWHM / FWTM	Asymmetric	75°
Efficiency	93 %	200
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	45°
Light colour	· · · · · ·	460
Required components:		40
		60
		60
		40 20 <sup>4</sup> 20 <sup>4</sup> 20 <sup>4</sup> 20 <sup>4</sup> 20 <sup>4</sup> 20 <sup>4</sup>



# **OPTICAL RESULTS (SIMULATED):**

CITTIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	CLL05x/CLU05x Asymmetric 90 % 0.4 cd/lm 1 White	
CREE LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	CXA/B 1830 Asymmetric 93 % 1 White	
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	CXA/B 25xx Asymmetric 92 % 0.5 cd/lm 1 White	
CREE LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	CXA/B 30xx Asymmetric % 1 White	



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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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

### **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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