

# 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.

## **TECHNICAL SPECIFICATIONS:**

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



# **MATERIAL SPECIFICATIONS:**

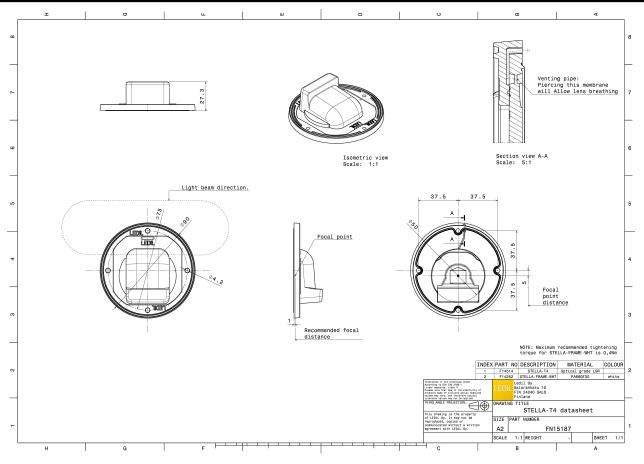
Component	Туре	Material	Colour	Finish
STELLA-T4	Single lens	Silicone	clear	
STELLA-FRAME-WHT	Holder	PA66	white	

## **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>



$\frown$		
bridgelux. LED	V22 Gen7	97 <sup>5</sup>
FWHM / FWTM	Asymmetric	75* 500 75*
Efficiency	90 %	
Peak intensity	0.5 cd/lm	. 60° 60°.
LEDs/each optic	1	
Light colour	White	5° 30 6°
Required compone		
		400
		200
		30° 15° 0° 15° 30°
CREE -		59*
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850	
FWHM / FWTM	Asymmetric	75* 200 77*
Efficiency	92 %	
Peak intensity	0.5 cd/lm	60°
LEDs/each optic	1	
Light colour	White	a, a,
Required compone	nts:	460
		500
		30* 600 30*
	EDS	25 <sup>4</sup> 0 <sup>4</sup> 13 <sup>5</sup>
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:	
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:	



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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 components:		

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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 components:		

# **ØNICHIA**

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

#### **OSRAM**

LED	Sole
FWHM / FWTM	Asyı
Efficiency	93 %
Peak intensity	0.5 (
LEDs/each optic	1
Light colour	Whit
Required componen	ts:

eriq S13 mmetric % cd/lm te



# OSRAM Opto Semiconductors

LED	Sole
FWHM / FWTM	Asyı
Efficiency	93 %
Peak intensity	0.5
LEDs/each optic	1
Light colour	Whi
Required components:	

conductors	
	Soleriq S19
/ FWTM	Asymmetric
ncy	93 %
intensity	0.5 cd/lm
each optic	1
colour	White

SAMSU 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	
SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LC040D / LC060D / LC080D Asymmetric 91 % 0.5 cd/lm 1 White	
seoul SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 43		99° 231 40° 40° 50° 40° 50° 60° 60° 60° 60° 60° 60° 60° 6



	seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Bender Wirth: 43		
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# PHOTOMETRIC DATA (SIMULATED):

bridgelux.		30*	
LED	V10 Gen7		
FWHM / FWTM	Asymmetric	750	780
Efficiency	94 %		
Peak intensity	94 % 0.5 cd/lm	501	60*
			$\sim$
LEDs/each optic	1		
Light colour	White	45* 400	45*
Required components:	- 14		L-K
Bender Wirth: 486 Ty		50	TX
		600	t
		30° 15° 0°	30*
bridgelux.		av*	
LED	V13 Gen7		90*
FWHM / FWTM	Asymmetric	750 100	700
Efficiency	96 %	$X \times X$	
Peak intensity	0.5 cd/lm	604	60*
LEDs/each optic	1	X X 30	
Light colour	White	$\times$ $\times$ / $ $	
Required components:	WIIG	400	607
Bender Wirth: 477 Ty	n 71		+ 1
			1 X
		600	$- + \lambda$
1			
		30* <u>15</u> <sup>2</sup> <u>9</u> <sup>0</sup>	30°
bridgoluy		30* <u>15</u> <u>2%</u>	-15° - 30°
bridgelux.		90°	10* 30* 50*
LED	V18 Gen7	50° 50°	<u>15</u> 30 <sup>4</sup>
LED FWHM / FWTM	Asymmetric	99*	
LED FWHM / FWTM Efficiency	Asymmetric 94 %	99*	
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 94 % 0.5 cd/lm	99*	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.5 cd/lm 1	99*	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm	99*	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.5 cd/lm 1	99*	-13" 30" 
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1	99*	-15" 30" 
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1	99*	30 <sup>-</sup> 90 <sup>-</sup> 90 <sup>-</sup> 90 <sup>-</sup> 60 <sup>-</sup> 60 <sup>-</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.5 cd/lm 1	99*	20 <sup>-</sup> 97 61 61 61 61 61 61 61 61 61 61 61 61 61
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.5 cd/lm 1	99*	20 10 10 10 10 10 10 10 10 10 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 94 % 0.5 cd/lm 1 White	99*	30 <sup>-</sup> 50 <sup>-</sup> 50 <sup>-</sup> 50 <sup>-</sup> 50 <sup>-</sup> 60 <sup>-</sup> 6
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	99*	30 <sup>-</sup> 90 <sup>-</sup>
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 V22 Gen7 Asymmetric	99*	30 <sup>-</sup> 50 <sup>-</sup> 50 <sup>-</sup> 50 <sup>-</sup> 50 <sup>-</sup> 60 <sup>-</sup> 60 <sup>-</sup> 60 <sup>-</sup> 60 <sup>-</sup> 60 <sup>-</sup> 60 <sup>-</sup> 60 <sup>-</sup> 60 <sup>-</sup> 70 <sup>-</sup> 70 <sup>-</sup> 60 <sup>-</sup> 60 <sup>-</sup> 60 <sup>-</sup> 60 <sup>-</sup> 70 <sup>-</sup> 7
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: bridgetux. LED FWHM / FWTM Efficiency	Asymmetric 94 % 0.5 cd/lm 1 White V22 Gen7 Asymmetric 94 %	99*	30 <sup>-</sup> 50 <sup>-</sup> 50 <sup>-</sup> 50 <sup>-</sup> 60 <sup>-</sup> 60 <sup>-</sup> 50 <sup>-</sup> 60 <sup>-</sup> 50 <sup>-</sup> 60 <sup>-</sup> 50 <sup>-</sup> 60 <sup>-</sup> 50 <sup>-</sup> 60 <sup>-</sup> 6
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 94 % 0.5 cd/lm	99*	20 10 10 10 10 10 10 10 10 10 1
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	99*	
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	99*	
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	99*	13 30 <sup>-</sup> 97 97 007 07 07 07 07 07 07 07 07
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	99*	30 <sup>-15</sup> 97 97 97 97 97 97 97 97 97 97 97 97 97
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	99*	20" 21"



## **PHOTOMETRIC DATA (SIMULATED):**

bridge	lux.

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

# CITIZEN

LED	С
FWHM / FWTM	А
Efficiency	9
LEDs/each optic	1
Light colour	W
Required components:	

CLL03x/CLU03x Asymmetric 93 % 1 White

CITIZEN		90° 90°
LED	CLL03x/CLU03x	
FWHM / FWTM	Asymmetric	The Art
Efficiency	94 %	
Peak intensity	0.5 cd/lm	60°
LEDs/each optic	1	
Light colour	White	45* 400 45*
Required components:		
Bender Wirth: 433 T	yp Z1	$\times$
		660
		30° 31°
		145 00 10°
CITIZEN		90* 90*
LED	CLL04x/CLU04x	
FWHM / FWTM	Asymmetric	756 751
Efficiency	93 %	200
Peak intensity	0.5 cd/lm	50*
LEDs/each optic	1	
Light colour	White	45"
Light colour Required components:		er <u>un</u> er
-		67 60 67
-		40° 400 40°.
-		



# PHOTOMETRIC DATA (SIMULATED):

CITIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	CLL05x/CLU05x Asymmetric 90 % 0.4 cd/lm 1 White	50° 50° 60° 50° 50° 50° 60° 60° 60° 60° 60° 60° 60° 60° 60° 6
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	<u>197</u> <u>64</u> <u>19</u>



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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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