

PRODUCT DATASHEET CA12426_TINA3-W

TINA3-W

 ${\sim}40^\circ$ wide beam. Assembly with holder and installation tape.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	6.9 mm
Fastening	tape, pin
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

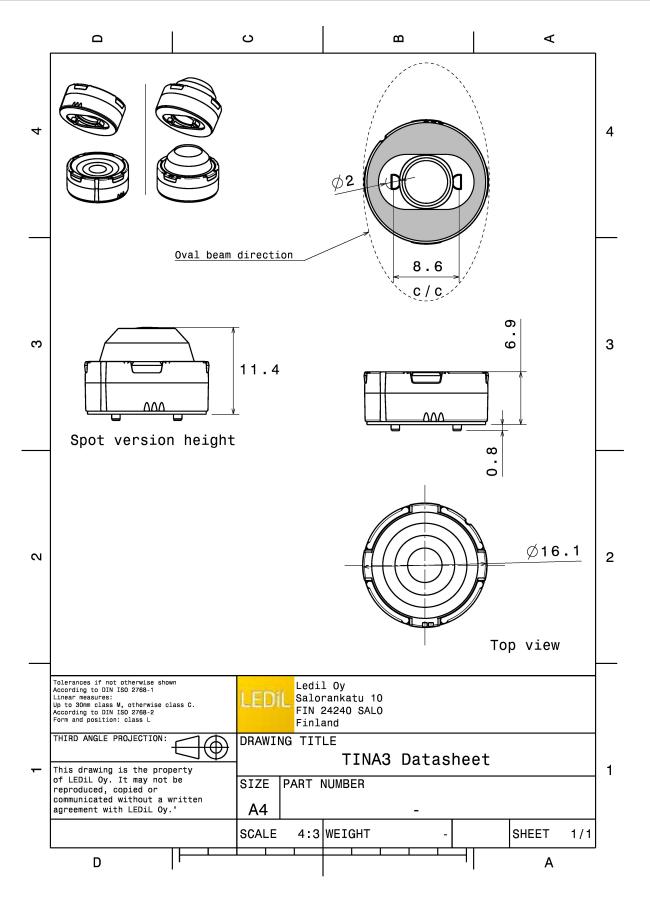
Component	Туре	Material	Colour	Finish
TINA3-W	Single lens	PMMA	clear	
TINA3-HLD-PIN-TAPE	Holder	PC	white	
TINA-TAPE3	Таре	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12426_TINA3-W	Single lens	5750	230	230	8.4
» Box size: 451 x 241 x 298 mm					



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



		90* 90*
LED	XHP35 HI	
FWHM / FWTM	46.0° / 74.0°	73*
Efficiency	93 %	
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	
Light colour	White	gr at
Required component	nts:	
		1230
		30° 360 34°
		15% 0% 15%
		90* 90*
LED	XP-E2	
FWHM / FWTM	43.0° / 65.0°	400
Efficiency	90 %	60*
Peak intensity	1.8 cd/lm	
LEDs/each optic	1	
Light colour	White	63* G2*
Required component	nts:	
		1600
		344 35,4
		133 [°] 0 ⁹ 15 [°]
CREE = 3030		
		90* 90*
LED	XP-G	32 24 26,
LED FWHM / FWTM	XP-G 42.0° / 67.0°	<u>31</u> <u>31</u> <u>401</u>
LED FWHM / FWTM Efficiency	XP-G 42.0° / 67.0° 90 %	8 ¹ 8 ¹
LED FWHM / FWTM Efficiency Peak intensity	XP-G 42.0° / 67.0° 90 % 1.7 cd/lm	6 ¹ 6 ² 6 ²
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G 42.0° / 67.0° 90 % 1.7 cd/lm 1	7. 6. 6. 6.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G 42.0° / 67.0° 90 % 1.7 cd/lm 1 White	61 61 61 61 60 61 61 61 61 61 61 61 61 61 61
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G 42.0° / 67.0° 90 % 1.7 cd/lm 1 White	7. 6. 6. 6.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G 42.0° / 67.0° 90 % 1.7 cd/lm 1 White	7. 6. 6. 6.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G 42.0° / 67.0° 90 % 1.7 cd/lm 1 White	7. 6. 6. 6.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G 42.0° / 67.0° 90 % 1.7 cd/lm 1 White	7. 60 60 80
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	XP-G 42.0° / 67.0° 90 % 1.7 cd/lm 1 White nts:	7. 6. 6. 6.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	XP-G 42.0° / 67.0° 90 % 1.7 cd/lm 1 White nts:	27 40 60 60 120 120 100 100 100 100 100 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	XP-G 42.0° / 67.0° 90 % 1.7 cd/lm 1 White nts:	27 40 60 60 120 120 100 100 100 100 100 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component CREE LED LED FWHM / FWTM	XP-G 42.0° / 67.0° 90 % 1.7 cd/lm 1 White hts: XP-G2 42.0° / 66.0°	27 40 60 60 120 120 100 100 100 100 100 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component LED FWHM / FWTM Efficiency	XP-G 42.0° / 67.0° 90 % 1.7 cd/lm 1 White nts: XP-G2 42.0° / 66.0° 91 %	27 40 60 60 120 120 100 100 100 100 100 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component LED FWHM / FWTM Efficiency Peak intensity	XP-G 42.0° / 67.0° 90 % 1.7 cd/lm 1 White nts: XP-G2 42.0° / 66.0° 91 % 1.6 cd/lm	27 40 60 60 120 120 100 100 100 100 100 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G 42.0° / 67.0° 90 % 1.7 cd/lm 1 White nts: XP-G2 42.0° / 66.0° 91 % 1.6 cd/lm 1	27 40 60 60 120 120 100 100 100 100 100 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G 42.0° / 67.0° 90 % 1.7 cd/lm 1 White nts: XP-G2 42.0° / 66.0° 91 % 1.6 cd/lm 1 White	00 00 00 00 00 00 00 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-G 42.0° / 67.0° 90 % 1.7 cd/lm 1 White nts: XP-G2 42.0° / 66.0° 91 % 1.6 cd/lm 1 White	00 00 00 00 00 00 00 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G 42.0° / 67.0° 90 % 1.7 cd/lm 1 White nts: XP-G2 42.0° / 66.0° 91 % 1.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G 42.0° / 67.0° 90 % 1.7 cd/lm 1 White nts: XP-G2 42.0° / 66.0° 91 % 1.6 cd/lm 1 White	00 00 00 00 00 00 00 00 00 00



		90* 90*
LED	XP-L HI	
FWHM / FWTM	43.0° / 68.0°	75'
Efficiency	93 %	
Peak intensity	1.6 cd/lm	60°
LEDs/each optic	1	
Light colour	White	gr*
Required compone		
		1220
		30* 16,00 30*
		15 ⁵ 0 ⁶ 15 ⁵
CREE 2 LEC		90* 90*
LED	XT-E	
FWHM / FWTM	41.0° / 66.0°	400
Efficiency	88 %	ege ser
Peak intensity	1.8 cd/lm	
LEDs/each optic	1	
Light colour	White	g.,
Required compone	ents:	
		169
		300 00 300
	EDS	90 ⁴
LED	LUXEON 2835 Line	
FWHM / FWTM	44.0° / 75.0°	73*
FWHM / FWTM Efficiency	44.0° / 75.0° 94 %	- 400
		9)*
Efficiency	94 %	2014 2014 2014 2014 2014 2014 2014 2014
Efficiency Peak intensity LEDs/each optic Light colour	94 % 1.5 cd/lm 1 White	62. 80 62. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10.
Efficiency Peak intensity LEDs/each optic	94 % 1.5 cd/lm 1 White	6, 00 6, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
Efficiency Peak intensity LEDs/each optic Light colour	94 % 1.5 cd/lm 1 White	57 57 57 57 57 57 57 57 57 57 57
Efficiency Peak intensity LEDs/each optic Light colour	94 % 1.5 cd/lm 1 White	2°
Efficiency Peak intensity LEDs/each optic Light colour	94 % 1.5 cd/lm 1 White	200 200 200 200 200 200 200 200
Efficiency Peak intensity LEDs/each optic Light colour Required compone	94 % 1.5 cd/lm 1 White ents:	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	94 % 1.5 cd/lm 1 White ints:	30, 30,
Efficiency Peak intensity LEDs/each optic Light colour Required compone	94 % 1.5 cd/lm 1 White ints: EDS LUXEON A	3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
Efficiency Peak intensity LEDs/each optic Light colour Required compone	94 % 1.5 cd/lm 1 White ints: EDS LUXEON A 43.0° / 67.0°	3°
Efficiency Peak intensity LEDs/each optic Light colour Required compone COMPARENTIAL LED FWHM / FWTM Efficiency	94 % 1.5 cd/lm 1 White mts: EDS LUXEON A 43.0° / 67.0° 89 %	37
Efficiency Peak intensity LEDs/each optic Light colour Required compone CONTINUATION LED FWHM / FWTM Efficiency Peak intensity	94 % 1.5 cd/lm 1 White mts: EDS LUXEON A 43.0° / 67.0° 89 % 1.5 cd/lm	3°
Efficiency Peak intensity LEDs/each optic Light colour Required compone COMPARENT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	94 % 1.5 cd/lm 1 White mts: EDS LUXEON A 43.0° / 67.0° 89 % 1.5 cd/lm 1	77
Efficiency Peak intensity LEDs/each optic Light colour Required compone CONTINUATION Equired compone CONTINUATION LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	94 % 1.5 cd/lm 1 White white Mite LUXEON A 43.0° / 67.0° 89 % 1.5 cd/lm 1 White	3°
Efficiency Peak intensity LEDs/each optic Light colour Required compone COMPARENT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	94 % 1.5 cd/lm 1 White white Mite LUXEON A 43.0° / 67.0° 89 % 1.5 cd/lm 1 White	77
Efficiency Peak intensity LEDs/each optic Light colour Required compone CONTINUATION Equired compone CONTINUATION LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	94 % 1.5 cd/lm 1 White white Mite LUXEON A 43.0° / 67.0° 89 % 1.5 cd/lm 1 White	77
Efficiency Peak intensity LEDs/each optic Light colour Required compone CONTINUATION Equired compone CONTINUATION LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	94 % 1.5 cd/lm 1 White white Mite LUXEON A 43.0° / 67.0° 89 % 1.5 cd/lm 1 White	77



COMIL	EDS		90°	90*
LED	LUXEON T			
FWHM / FWTM	45.0° / 69.0°		75	1 1 1 2
Efficiency	89 %		400	
Peak intensity	1.5 cd/lm		60*	60*
LEDs/each optic	1			
Light colour	White		45*	43*
Required compone				
				\smile χ
			15° 0°	150
UMIL	.EDS		90°	90*
LED	LUXEON TX		75	
FWHM / FWTM	47.0° / 73.0°			
Efficiency	89 %		602 400	
Peak intensity	1.2 cd/lm		$ \times / $	(X / X)
LEDs/each optic	1			
Light colour	White		45*	
Required compone	ents:			
			30%	36*
1			15° 0°	15*
			15° 0¢	15°
	NVSxx19A		 90° 0°	
			 20/ 0	22.
LED	NVSxx19A		20 ⁴ 00	
LED FWHM / FWTM	NVSxx19A 43.0° / 72.0°		50° 00 50° 00 72° 00 73° 00 70° 00 70° 00 70° 00 70° 00 70° 00 70° 00 70° 00	
LED FWHM / FWTM Efficiency	NVSxx19A 43.0° / 72.0° 86 %		20 ⁴ 0 ⁴	
LED FWHM / FWTM Efficiency Peak intensity	NVSxx19A 43.0° / 72.0° 86 % 1.5 cd/lm		25 ⁴ 0 ⁴	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NVSxx19A 43.0° / 72.0° 86 % 1.5 cd/lm 1 White		97 00 97 97 97 90 97 90 90 90 90 90	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSxx19A 43.0° / 72.0° 86 % 1.5 cd/lm 1 White		20 ⁵ 00 20 20 20 20 20 20 20 20 20 20 20 20 2	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSxx19A 43.0° / 72.0° 86 % 1.5 cd/lm 1 White		207 00 207 000 207 00 207 00 207 00 207 0000000000	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSxx19A 43.0° / 72.0° 86 % 1.5 cd/lm 1 White		23 ⁵ 0 ⁶	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxx19A 43.0° / 72.0° 86 % 1.5 cd/lm 1 White ents:		23 ⁴ 0 ⁴	-7°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxx19A 43.0° / 72.0° 86 % 1.5 cd/lm 1 White ents:		23 ⁵ 0 ⁴	-7°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxx19A 43.0° / 72.0° 86 % 1.5 cd/lm 1 White ents:		27 29 27 27 27 27 27 27 27 27 27 27	6. -2.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxx19A 43.0° / 72.0° 86 % 1.5 cd/lm 1 White ents:		23 ⁴ 00 24 25 25 25 25 25 25 25 25 25 25	6. -2.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxx19A 43.0° / 72.0° 86 % 1.5 cd/lm 1 White ents: NVSxx19B/NVSxx19C 46.0° / 74.0° 92 %		23 ⁵ 0 ⁴	6. -2.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxx19A 43.0° / 72.0° 86 % 1.5 cd/lm 1 White ents: NVSxx19B/NVSxx19C 46.0° / 74.0°		23 ⁵ 0 ⁴	6. -2.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxx19A 43.0° / 72.0° 86 % 1.5 cd/lm 1 White ents: NVSxx19B/NVSxx19C 46.0° / 74.0° 92 % 1.4 cd/lm 1			-7°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxx19A 43.0° / 72.0° 86 % 1.5 cd/lm 1 White ents: NVSxx19B/NVSxx19C 46.0° / 74.0° 92 % 1.4 cd/lm 1 White		225 00 24 25 25 20 20 20 20 20 20 20 20 20 20	6. -2.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxx19A 43.0° / 72.0° 86 % 1.5 cd/lm 1 White ents: NVSxx19B/NVSxx19C 46.0° / 74.0° 92 % 1.4 cd/lm 1 White		237 ef 24 25 27 27 27 27 27 27 27 27 27 27	-7°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxx19A 43.0° / 72.0° 86 % 1.5 cd/lm 1 White ents: NVSxx19B/NVSxx19C 46.0° / 74.0° 92 % 1.4 cd/lm 1 White		23 ⁴ 0 24 24 24 25 26 27 26 27 27 27 27 27 27 27 27 27 27	6. -2.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxx19A 43.0° / 72.0° 86 % 1.5 cd/lm 1 White ents: NVSxx19B/NVSxx19C 46.0° / 74.0° 92 % 1.4 cd/lm 1 White		20 ⁴ 0 21	6. -2.



OUSERAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON Square EC 41.0° / 68.0° 88 % 1.7 cd/lm 1 White nts:	90° 90° 90° 90° 90° 90° 90° 90°
SAMSI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH351B 46.0° / 71.0° 89 % 1.4 cd/lm 1 White	90 ⁴ 97 97 97 97 90 ⁴ 00 100 100 100 100 100 100 100
SAMSI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH351Z 49.0° / 75.0° 89 % 1.3 cd/lm 1 White	



PHOTOMETRIC DATA (SIMULATED):

)S	50*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON H50-2 48.0° / 63.0° 89 % 1.5 cd/lm 1 White	57 57 57 57 57 57 57 57 57 57
)S	90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON Z ES 38.0° / 60.0° 88 % 1.9 cd/lm 1 White	75° 60° 77° 60° 60° 50° 80° 60° 50° 50° 70° 50° 50° 70°
		135 ⁰ 0 ⁶ 15 ⁵
Ostrange Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON Square CSSRM2/CSSRM3 43.0° / 64.0° 94 % 1.7 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	SYNIOS S2222 (KW DDLM31) 39.0 + 38.0° / 60.0 + 59.0° 96 % 1.9 cd/lm 1 White	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°



PHOTOMETRIC DATA (SIMULATED):

SEOUL SEOUL SEMICONDUCTOR		30 ⁴ 50 ⁵
LED	Z5M1/Z5M2	75
FWHM / FWTM	44.0° / 62.0°	
Efficiency	94 %	60 ¹
Peak intensity	1.7 cd/lm	
LEDs/each optic	1	
Light colour	White	g a.
Required component	ts:	120
		30- 157 0 ⁻ 157



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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