

PRODUCT DATASHEET CA12428_TINA3-WWW

TINA3-WWW

~70° wide beam. Assembly with holder, installation tape and location pins.

SPECIFICATION:

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



MATERIALS:

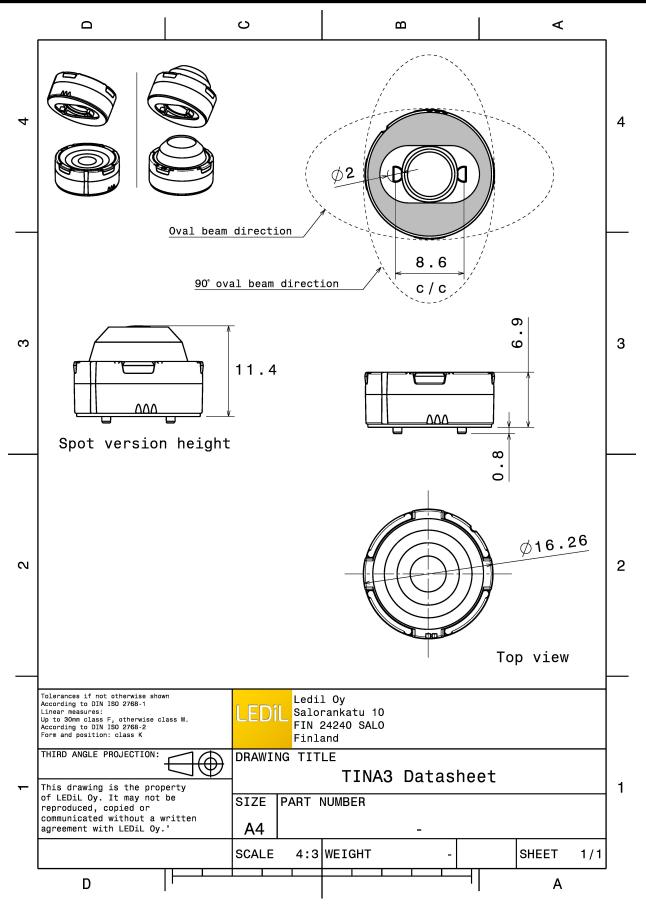
Component	Туре	Material	Colour	Finish
TINA3-WWW	Single lens	PMMA	clear	
TINA3-HLD-PIN-TAPE	Holder	PC	white	
TINA-TAPE3	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12428_TINA3-WWW	Single lens	5750	230	230	8.2
» 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>



OPTICAL RESULTS (MEASURED):

		303
LEDs EWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-E2 77.0° / 106.0° 88 % 0.7 cd/lm 1 White	
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 76.0° / 108.0° 86 % 0.6 cd/lm 1 White Ints:	
CREE LED EWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-L HI 74.0° / 105.0° 91 % 0.7 cd/lm 1 White ints:	
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 68.0° / 102.0° 85 % 0.7 cd/lm 1 White	
кециней сотпропе	115.	900 91 ⁴ 25 ⁴ 25 ⁴ 25 ⁴



OPTICAL RESULTS (MEASURED):

LUMIL	.EDS		90*	90*
LED	LUXEON A			
FWHM / FWTM	74.0° / 106.0°		75*	
Efficiency	86 %			
Peak intensity	0.6 cd/lm		50°	
LEDs/each optic	1			$\times \mathbb{N} \times \mathbb{N}$
Light colour	White		954	45*
Required compone			400	
			30° 60	36*
			159 00	15°
🤭 LUMIL	.EDS		900	90*
LED	LUXEON T			
FWHM / FWTM	78.0° / 109.0°			
Efficiency	86 %		50°	
Peak intensity	0.6 cd/lm			$\nabla \Lambda > 2$
LEDs/each optic	1			$\times N \times$
Light colour	White		95*	45°
Required compone	ents:		400	
			30.0	36*
	FDS			12,
				90°
			90.	
LED	LUXEON TX		29.	7
LED FWHM / FWTM	LUXEON TX 79.0° / 115.0°		37	- 20
LED FWHM / FWTM Efficiency	LUXEON TX 79.0° / 115.0° 87 %		99° 73° 60° 200	73*
LED FWHM / FWTM Efficiency Peak intensity	LUXEON TX 79.0° / 115.0° 87 % 0.6 cd/lm		39° 35° 60° 200 -	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON TX 79.0° / 115.0° 87 % 0.6 cd/lm 1		39° 23° 29° 20°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX 79.0° / 115.0° 87 % 0.6 cd/lm 1 White		39° 25° 90° 97° 97°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON TX 79.0° / 115.0° 87 % 0.6 cd/lm 1 White		39° 39° 90° 90° 90° 90° 90° 90° 90° 90° 90° 9	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX 79.0° / 115.0° 87 % 0.6 cd/lm 1 White		99° 73° 60° - 200 - 67° - 660 -	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX 79.0° / 115.0° 87 % 0.6 cd/lm 1 White		9° 9° 9° 9° 9° 9°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX 79.0° / 115.0° 87 % 0.6 cd/lm 1 White		200 200 00 00 00 00 00 00 00 00 00 00 00	12 6 6
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON TX 79.0° / 115.0° 87 % 0.6 cd/lm 1 White ents:		9° 9° 9° 9° 9° 9° 9° 9° 9° 9° 9° 9° 9° 9	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON TX 79.0° / 115.0° 87 % 0.6 cd/lm 1 White ents:		9°*	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON TX 79.0° / 115.0° 87 % 0.6 cd/lm 1 White ents:			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON TX 79.0° / 115.0° 87 % 0.6 cd/lm 1 White ents:			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON TX 79.0° / 115.0° 87 % 0.6 cd/lm 1 White ents: NVSxx19A 75.0° / 106.0°			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON TX 79.0° / 115.0° 87 % 0.6 cd/lm 1 White ents: NVSxx19A 75.0° / 106.0° 83 %			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Required compone Efficiency Peak intensity	LUXEON TX 79.0° / 115.0° 87 % 0.6 cd/lm 1 White ents: NVSxx19A 75.0° / 106.0° 83 % 0.6 cd/lm			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Required compone Efficiency Peak intensity LEDs/each optic	LUXEON TX 79.0° / 115.0° 87 % 0.6 cd/lm 1 White ents: NVSxx19A 75.0° / 106.0° 83 % 0.6 cd/lm 1 White			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIM LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX 79.0° / 115.0° 87 % 0.6 cd/lm 1 White ents: NVSxx19A 75.0° / 106.0° 83 % 0.6 cd/lm 1 White			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIM LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX 79.0° / 115.0° 87 % 0.6 cd/lm 1 White ents: NVSxx19A 75.0° / 106.0° 83 % 0.6 cd/lm 1 White			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIM LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX 79.0° / 115.0° 87 % 0.6 cd/lm 1 White ents: NVSxx19A 75.0° / 106.0° 83 % 0.6 cd/lm 1 White			



OPTICAL RESULTS (MEASURED):

ØNICHI ∕		90* 90*
LED	NVSxx19B/NVSxx19C	
FWHM / FWTM	79.0° / 113.0°	72'
Efficiency	90 %	
Peak intensity	0.6 cd/lm	2000
LEDs/each optic	1	
Light colour	White	er er
Required compone	nts:	
		400
		159 00 155
OSRAM Opto Semiconductors		90* 90*
LED	OSLON Square EC	
FWHM / FWTM	75.0° / 110.0°	7. X.
Efficiency	84 %	50° 200 60°
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	a7* a7*
Required compone	nts:	440
		30° 800 30°
<u>cunci</u>		200 [°] 40°
SAMSI		20 ⁷ 0 ⁴ 12 ⁴
LED	LH351B	25 0° 25
LED FWHM / FWTM	LH351B 76.0° / 110.0°	32 32 32 0 32 0 32 32 32 32 32 32 32 32 32 32
LED FWHM / FWTM Efficiency	LH351B 76.0° / 110.0° 86 %	200 60° 200 200 60°
LED FWHM / FWTM Efficiency Peak intensity	LH351B 76.0° / 110.0° 86 % 0.6 cd/lm	25 [°] 0° 15 [°] 95 [°]
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B 76.0° / 110.0° 86 % 0.6 cd/lm 1	25 0 ⁴ 15 ²
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 76.0° / 110.0° 86 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B 76.0° / 110.0° 86 % 0.6 cd/lm 1 White	25 [°] 0 [°] 15 [°]
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 76.0° / 110.0° 86 % 0.6 cd/lm 1 White	25 [°] 0° 15 [°]
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 76.0° / 110.0° 86 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 76.0° / 110.0° 86 % 0.6 cd/lm 1 White	25 [°] 0 [°] 25 [°] 0 [°]
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH351B 76.0° / 110.0° 86 % 0.6 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH351B 76.0° / 110.0° 86 % 0.6 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH351B 76.0° / 110.0° 86 % 0.6 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSI LED FWHM / FWTM	LH351B 76.0° / 110.0° 86 % 0.6 cd/lm 1 White nts: JNG LH351Z 85.0° / 121.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSS LED FWHM / FWTM Efficiency	LH351B 76.0° / 110.0° 86 % 0.6 cd/lm 1 White nts: JNG LH351Z 85.0° / 121.0° 87 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSS LED FWHM / FWTM Efficiency Peak intensity	LH351B 76.0° / 110.0° 86 % 0.6 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B 76.0° / 110.0° 86 % 0.6 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 76.0° / 110.0° 86 % 0.6 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B 76.0° / 110.0° 86 % 0.6 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SAMSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 76.0° / 110.0° 86 % 0.6 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SANSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 76.0° / 110.0° 86 % 0.6 cd/lm 1 White nts:	



OPTICAL RESULTS (SIMULATED):

		90* 90*
LED	J Series 2835	
FWHM / FWTM	80.0° / 104.0°	25* 27*
Efficiency	92 %	
Peak intensity	0.6 cd/lm	60* B1*
LEDs/each optic	1	
Light colour	White	47* A
Required components:	White	
		30° 25° 88 15° 30°
		90° 90°
LED	XB-D	
FWHM / FWTM	77.0° / 110.0°	75*
Efficiency	83 %	
Peak intensity	0.5 cd/lm	° // - 200
LEDs/each optic	1	
Light colour	White	ar ar
Required components:		
		460
		300 300
		15° 0° 15°
)S	90* 90*
LED	LUXEON 2835 Line	
FWHM / FWTM	80.0° / 103.0°	73°
Efficiency	93 %	
Peak intensity	0.6 cd/lm	60 ⁻
LEDs/each optic	1	
Light colour	White	ar ar
Required components:		460
		30* 600 35*
		15° 0° 15°
		90* 90*
LED		75'
FWHM / FWTM	78.0° / 101.0°	
Efficiency	93 %	60°
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	Green	2
Required components:		
		600
		300 300 300 300



OPTICAL RESULTS (SIMULATED):

Μ ΝΙCΗΙΛ		90 ⁴ 90 ⁴
LED	NCSxE17A	
FWHM / FWTM	58.0° / 114.0°	73
Efficiency	80 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	4	
Light colour	White	45° 45'
Required components:		
		300 300
		15° 0° 15°
SAMSU	NG	90* 90*
LED	LM28xB Series	
FWHM / FWTM	80.0° / 104.0°	75
Efficiency	92 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	97
Required components:		400
		30. 30.
		15° 000 15°
		90* 90*
LED	Z5M1/Z5M2	
FWHM / FWTM	62.0° / 102.0°	22. 22.
Efficiency	92 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	gr at
Required components:		
		30° 31.
		15° 0° 15°