

PRODUCT DATASHEET CA18106_TINA-Y-WW

TINA-Y-WW

~55° wide beam. Assembly with holder, installation tape and pins.

SPECIFICATION:

Dimensions	Ø 16.1 mm
Height	10 mm
Fastening	tape, pin
ROHS compliant	yes 🛈



MATERIALS:

Component TINA-Y-WW TINA-Y-HLD TINA-Y-TAPE

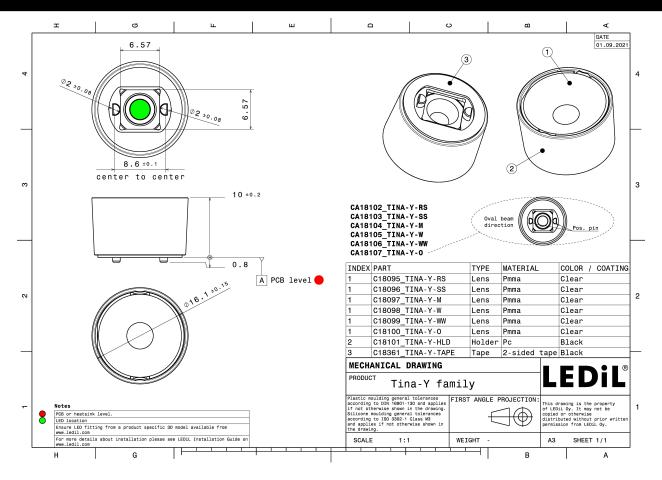
Туре	
Single lens	
Holder	
Таре	

Material	Colour	Finish
PMMA	clear	gloss
PC	black	gloss
Acrylic foam		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA18106_TINA-Y-WW	3900	300	300	5.8
» Box size: 476 x 273 x 197 mm				

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



OPTICAL RESULTS (MEASURED):

CREE CLED	XP-G3 53.0° / 73.0° 78 % 1.1 cd/m 1 White	50 ⁴ 90 ⁴ 50
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	NVSW719AC 55.0° / 74.0° 84 % 1.2 cd/lm 1 White	20 ¹ 12 ² 0 ¹ 25 ²



		90° 90°
LED	J Series 2835	
FWHM / FWTM	55.0° / 74.0°	25*
Efficiency	88 %	
Peak intensity	00 % 1.2 cd/lm	60° 60°
LEDs/each optic	1 White	a. a.
Light colour	White	
Required components:		
		30° 1200 30° 30°
		50°
LED	XHP35.2 HD	
FWHM / FWTM	58.0° / 82.0°	25* 25*
Efficiency	71 %	200
Peak intensity	0.8 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	97 ⁴ er
Required components:		
		evo
		200
		30"
		10 d 10
		90° 90°
	XHP35.2 HI	99 ⁴ 99 ⁴
LED	XHP35.2 HI 50.0° / 72.0°	
LED FWHM / FWTM	50.0° / 72.0°	
LED FWHM / FWTM Efficiency	50.0° / 72.0° 78 %	25 0 10 10 10 10 10 10 10 10 10 10 10 10 1
LED FWHM / FWTM Efficiency Peak intensity	50.0° / 72.0° 78 % 1.2 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	50.0° / 72.0° 78 % 1.2 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	50.0° / 72.0° 78 % 1.2 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	50.0° / 72.0° 78 % 1.2 cd/lm 1	D 0 D 01 02 02 01 02 02 02 03 02
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	50.0° / 72.0° 78 % 1.2 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	50.0° / 72.0° 78 % 1.2 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	50.0° / 72.0° 78 % 1.2 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	50.0° / 72.0° 78 % 1.2 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	50.0° / 72.0° 78 % 1.2 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	50.0° / 72.0° 78 % 1.2 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	50.0° / 72.0° 78 % 1.2 cd/lm 1 White XM-L3 60.0° / 80.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	50.0° / 72.0° 78 % 1.2 cd/lm 1 White XM-L3 60.0° / 80.0° 77 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	50.0° / 72.0° 78 % 1.2 cd/lm 1 White XM-L3 60.0° / 80.0° 77 % 0.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	50.0° / 72.0° 78 % 1.2 cd/lm 1 White XM-L3 60.0° / 80.0° 77 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	50.0° / 72.0° 78 % 1.2 cd/lm 1 White XM-L3 60.0° / 80.0° 77 % 0.8 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	50.0° / 72.0° 78 % 1.2 cd/lm 1 White XM-L3 60.0° / 80.0° 77 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	50.0° / 72.0° 78 % 1.2 cd/lm 1 White XM-L3 60.0° / 80.0° 77 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	50.0° / 72.0° 78 % 1.2 cd/lm 1 White XM-L3 60.0° / 80.0° 77 % 0.8 cd/lm 1	



		30°
LED	XP-E	
FWHM / FWTM	60.0° / 76.0°	75.
Efficiency	89 %	
Peak intensity	1.1 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	45*
Required components:	WIIG	
required components.		
		30° 0° 35°
		90° 90°
LED	XP-E2	$\square \downarrow \land \land \land \land$
FWHM / FWTM	59.0° / 74.0°	75.
Efficiency	90 %	
Peak intensity	1 cd/lm	400
LEDs/each optic	1	
Light colour	White	45*
Required components:		
		30°
		15' 0' 35'
		90 ⁴ 90 ⁴
	XP-G2	90° 90° 90°
LED	XP-G2 60.0° / 77.0°	
LED FWHM / FWTM	60.0° / 77.0°	33. 35. 35. 36. 35. 35.
LED FWHM / FWTM Efficiency		
LED FWHM / FWTM Efficiency Peak intensity	60.0° / 77.0° 88 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	60.0° / 77.0° 88 % 1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	60.0° / 77.0° 88 % 1 cd/lm 1	127 0° 12° 91° 91° 92° 91° 91° 92° 91° 91° 92° 91° 91° 92° 91° 91° 92° 91° 91° 92° 91° 91° 92° 91° 91° 92° 91° 91° 92° 91° 91° 92° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° 91° <
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	60.0° / 77.0° 88 % 1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	60.0° / 77.0° 88 % 1 cd/lm 1	25° 0° 15° 39° 90° 90° 90° 90° 90° 90° 90° 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	60.0° / 77.0° 88 % 1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	60.0° / 77.0° 88 % 1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	60.0° / 77.0° 88 % 1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	60.0° / 77.0° 88 % 1 cd/lm 1	30. 30. 30. 30. 60. 60. 60. 60. 52. 52.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	60.0° / 77.0° 88 % 1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	60.0° / 77.0° 88 % 1 cd/lm 1 White	31. 22. 30. 30. 30. 30. 30. 30. 30. 30. 30. 60. 60. 60. 60. 60. 60. 32. 32. 32.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	60.0° / 77.0° 88 % 1 cd/lm 1 White XP-L HD 60.0° / 80.0°	31. 22. 30. 30. 30. 30. 30. 30. 30. 30. 30. 60. 60. 60. 60. 60. 60. 32. 32. 32.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	60.0° / 77.0° 88 % 1 cd/lm 1 White XP-L HD 60.0° / 80.0° 80 %	31. 22. 30. 30. 30. 30. 30. 30. 30. 30. 30. 60. 60. 60. 60. 60. 60. 32. 32. 32.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	60.0° / 77.0° 88 % 1 cd/lm 1 White XP-L HD 60.0° / 80.0° 80 % 0.9 cd/lm	31. 22. 30. 30. 30. 30. 30. 30. 30. 30. 30. 60. 60. 60. 60. 60. 60. 32. 32. 32.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	60.0° / 77.0° 88 % 1 cd/lm 1 White XP-L HD 60.0° / 80.0° 80 % 0.9 cd/lm 1	31. 22. 30. 30. 30. 30. 30. 30. 30. 30. 30. 60. 60. 60. 60. 60. 60. 32. 32. 32.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	60.0° / 77.0° 88 % 1 cd/lm 1 White XP-L HD 60.0° / 80.0° 80 % 0.9 cd/lm 1	31. 22. 30. 30. 30. 30. 30. 30. 30. 30. 30. 60. 60. 60. 60. 60. 60. 32. 32. 32.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	60.0° / 77.0° 88 % 1 cd/lm 1 White XP-L HD 60.0° / 80.0° 80 % 0.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED EU FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	60.0° / 77.0° 88 % 1 cd/lm 1 White XP-L HD 60.0° / 80.0° 80 % 0.9 cd/lm 1	31. 22. 30. 30. 30. 30. 30. 30. 30. 30. 30. 60. 60. 60. 60. 60. 60. 32. 32. 32.



CREE LED	XQ-E HI 60.0° / 73.0° 89 % 1.1 cd/lm 1 White	30° 50° 50° 50° 50° 50° 50° 50° 50° 50° 5
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES 50.0° / 76.0° 81 % 1.2 cd/lm 1 White	20° 20° 20° 20° 20° 20° 20° 20° 20° 20°
CUMILEE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES 50.0° / 76.0° 81 % 1.2 cd/lm 1 White	20 00 00 00 00 00 00 00 00 00 00 00 00 0
WHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES 50.0° / 76.0° 80 % 1.1 cd/lm 1 White	



	DS	90° 90°
LED FWHM / FWTM	LUXEON C 60.0° / 76.0°	75' 200
Efficiency	80 %	
Peak intensity	1 cd/lm	60 ⁶
LEDs/each optic	1	
Light colour	White	er (
Required components:		
		30° 1000 25° 30
	DS	50° 90
LED	LUXEON HL2X	
FWHM / FWTM	62.0° / 80.0°	75* 75*
Efficiency	85 %	
Peak intensity	0.9 cd/lm	60* 60
LEDs/each optic	1	460
Light colour	White	43° 65'
Required components:		
		200 200
		15% 0% 15%
)S	50* 50*
LED	LUXEON MZ	
FWHM / FWTM	49.0° / 74.0°	
Efficiency	83 %	400 60
Peak intensity	1.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
	Winte	eo:
Required components:	white	¢*
Required components:	white	
Required components:	white	
Required components:	white	
Required components:		
)S	9° 00 00 9° 00 00 00 00 00 00 00 00 00 00 00 00 00
	DS LUXEON TX	
LUMILEE LED FWHM / FWTM	DS LUXEON TX 56.0° / 75.0°	
LUMILEE ED FWHM / FWTM Efficiency	S LUXEON TX 56.0° / 75.0° 86 %	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	DS LUXEON TX 56.0° / 75.0° 86 % 1.1 cd/lm	60* 60
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	DS LUXEON TX 56.0° / 75.0° 86 % 1.1 cd/lm 1	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	DS LUXEON TX 56.0° / 75.0° 86 % 1.1 cd/lm 1	60* 60
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	DS LUXEON TX 56.0° / 75.0° 86 % 1.1 cd/lm 1	60* 60 6



MICHIΛ		50° 50°
LED	NVSW219F	
FWHM / FWTM	60.0° / 79.0°	200
Efficiency	83 %	
Peak intensity	0.9 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	42. 42.
Required components:		
		36* 35*
		13° 0° 15°
Μ ΝΙCΗΙΛ		50° 90°
LED	NVSxE21A	75*
FWHM / FWTM	48.0° / 66.0°	
Efficiency	81 %	400 65°
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	800
Light colour	White	* / · · · ·
Required components:		
		1230
		304 354 364 354
OSRAM		
OSRAM Opto Semiconductors		
Opto Semiconductors	Duris S8	
opto Semiconductors LED FWHM / FWTM	49.0° / 78.0°	
opto Semiconductors LED FWHM / FWTM Efficiency	49.0° / 78.0° 79 %	
^{opto Semiconductors} LED FWHM / FWTM Efficiency Peak intensity	49.0° / 78.0° 79 % 1.1 cd/lm	
^{opto Semiconductors} LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	49.0° / 78.0° 79 % 1.1 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	49.0° / 78.0° 79 % 1.1 cd/lm	
^{opto Semiconductors} LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	49.0° / 78.0° 79 % 1.1 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	49.0° / 78.0° 79 % 1.1 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	49.0° / 78.0° 79 % 1.1 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	49.0° / 78.0° 79 % 1.1 cd/lm 1	9 ⁴ 9 ⁴ 9 ⁵ 9 ⁵ 400 80 80 80
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	49.0° / 78.0° 79 % 1.1 cd/lm 1	5° 66° 66° 66° 66° 66° 66° 66° 66° 66° 6
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	49.0° / 78.0° 79 % 1.1 cd/lm 1 White	5° 66° 66° 66° 66° 66° 66° 66° 66° 66° 6
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	49.0° / 78.0° 79 % 1.1 cd/lm 1	5° 66° 66° 66° 66° 66° 66° 66° 66° 66° 6
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Peak intensity LEDS/each optic Light colour Required components:	49.0° / 78.0° 79 % 1.1 cd/lm 1 White	39°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM	49.0° / 78.0° 79 % 1.1 cd/lm 1 White LZ1-00CW02 52.0° / 68.0°	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Peak intensity LEDs/each optic Light colour Required components: LED FWHM / FWTM Efficiency	49.0° / 78.0° 79 % 1.1 cd/lm 1 White LZ1-00CW02 52.0° / 68.0° 90 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	49.0° / 78.0° 79 % 1.1 cd/lm 1 White LZ1-00CW02 52.0° / 68.0° 90 % 1.4 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	49.0° / 78.0° 79 % 1.1 cd/lm 1 White LZ1-00CW02 52.0° / 68.0° 90 % 1.4 cd/lm 1	
opte Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	49.0° / 78.0° 79 % 1.1 cd/lm 1 White LZ1-00CW02 52.0° / 68.0° 90 % 1.4 cd/lm 1	
opte Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	49.0° / 78.0° 79 % 1.1 cd/lm 1 White LZ1-00CW02 52.0° / 68.0° 90 % 1.4 cd/lm 1	
opte Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	49.0° / 78.0° 79 % 1.1 cd/lm 1 White LZ1-00CW02 52.0° / 68.0° 90 % 1.4 cd/lm 1	



OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	LZ1-00R702 53.0° / 70.0° 89 % 1 IR	Polor intensity graph	99° 99° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON Square CSSRM2/CSSRM3 55.0° / 75.0° 84 % 1.2 cd/lm 1 White		20° 20° 20° 20° 20° 20° 20° 20° 20° 20°
SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	C LH351B 62.0° / 80.0° 84 % 0.9 cd/lm 1 White		30 ⁴ 30
SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	G LH351C 60.0° / 78.0° 84 % 0.9 cd/lm 1 White		200 90 70 60 60 60 60 60 70 70 70 70 70 70 70 70 70 7



		90° 90°
LED	Z8Y22	
FWHM / FWTM	46.0° / 68.0°	
Efficiency	75 %	60° 60°
Peak intensity	1.4 cd/lm	$r \times / \land \times \gamma$
LEDs/each optic	1	
Light colour	White	ese ese
Required components:		
		1200
		309 309



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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.

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

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc. 228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd. # 405 , Block B **Casic Motor Building** Shenzhen 518057 P.R.CHINA

Local sales and technical support www.ledil.com/ where_to_buy

Shipping locations Salo, Finland Hong Kong, China

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