

# PRODUCT DATASHEET CA12379\_TINA2-O

# TINA2-O

 $\sim$ 35° + 15° oval beam. Assembly with holder, installation tape and location pins.

### **SPECIFICATION:**

Dimensions	Ø 16.0 mm
Height	9.5 mm
Fastening	tape, pin
ROHS compliant	yes 🛈



### **MATERIALS:**

Component
TINA2-XP-O
TINA2-HLD-BLK
TINA-TAPE3

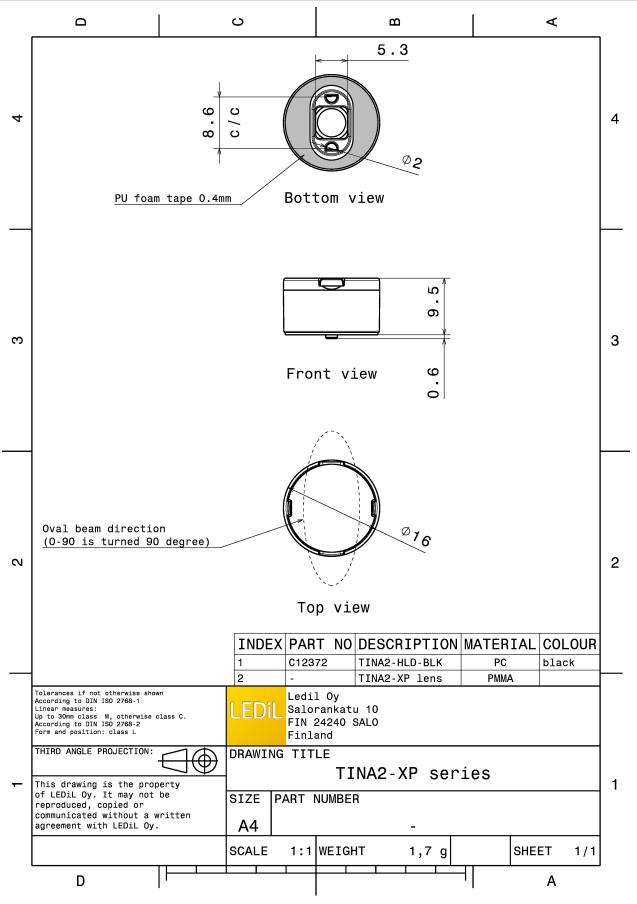
Туре	Material	Colour	Finish
Single lens	PMMA	clear	
Holder	PC	black	
Таре	Acrylic foam	black	

### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12379_TINA2-O	Single lens	4140	230	230	8.5
» Box size: 451 x 241 x 298 mm					



# PRODUCT DATASHEET CA12379\_TINA2-O



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



CREE ÷         LED       XB-H         FWHM / FWTM       34.0 + 17.0° / 57.0 + 39.0°         Efficiency       84 %         Peak intensity       3.9 cd/lm         LEDs/each optic       1	
LED         XB-H           FWHM / FWTM         34.0 + 17.0° / 57.0 + 39.0°           Efficiency         84 %           Peak intensity         3.9 cd/lm	
Efficiency 84 % Peak intensity 3.9 cd/lm	// / / / / / / / / / / / / / / / / / / /
Peak intensity 3.9 cd/lm	
	1630
Light colour White	2400
Required components:	3200
24* 25	000 0° 15° 30
CREE ÷	90
LED XD16	
FWHM / FWTM 32.0 + 15.0° / 54.0 + 32.0°	
Efficiency 80 %	
Peak intensity 4.1 cd/lm	1600
LEDs/each optic 1	
Light colour White	
Required components:	
	3230
34	30
	0° 15°
CREE ÷	90
LED XQ-E HI	
FWHM / FWTM 33.0 + 13.0° / 51.0 + 28.0°	
Efficiency 80 %	1600
Peak intensity 5 cd/lm	
Peak intensity     5 cd/lm       LEDs/each optic     1	
	3200
LEDs/each optic 1	3220
LEDs/each optic 1 Light colour White	300
LEDs/each optic 1 Light colour White	300
LEDs/each optic 1 Light colour White	500 C
LEDs/each optic 1 Light colour White Required components:	00 32 30
LEDs/each optic 1 Light colour White Required components:	
LEDs/each optic 1 Light colour White Required components:	00 32 30
LEDs/each optic 1 Light colour White Required components:	
LEDs/each optic 1 Light colour White Required components:	
LEDs/each optic 1 Light colour White Required components:	
LEDs/each optic 1 Light colour White Required components:	25° 25°
LEDs/each optic 1 Light colour White Required components:	
LEDs/each optic 1 Light colour White Required components:	
LEDs/each optic 1 Light colour White Required components:	
LEDs/each optic 1 Light colour White Required components:	



			· · · · · · · · · · · · · · · · · · ·
UMIL	EDS		90* 90*
LED	LUXEON TX		
FWHM / FWTM	32.0 + 16.0° / 55.0 + 37.0°		75* 25*
Efficiency	85 %		
Peak intensity	4 cd/lm		60°
LEDs/each optic	1		
Light colour	White		ar / / / / / / / / / / / / / / / / / / /
Required componer			
			320
			300 300
			15° 0° 35°
UMIL	EDS	CA12379_TTHA2-O_(Luxeron_Z_ES)	90° 90°
LED	LUXEON Z ES		
FWHM / FWTM	36.0 + 13.0° / 56.0 + 28.0°		$\Lambda / \Lambda / 7$
Efficiency	85 %		50° 1600 - 50°
Peak intensity	5.3 cd/lm		
LEDs/each optic	1		
Light colour	White		ez <sup>e</sup>
Required componer	nts:		
			$\times$ $\wedge$ $\times$
			4834
			30* 30*
1			152 00 152
	ι.		50° 0° 15°
	NWSx229A		20° 0° 12°
			20 <sup>°</sup> 0 <sup>4</sup> 12 <sup>°</sup>
LED	NWSx229A		25° 0° 15° 29° 90° 20° 90°
LED FWHM / FWTM Efficiency	NWSx229A 33.0 + 24.0° / 65.0 + 49.0°		101         00         102           304         305         305
LED FWHM / FWTM	NWSx229A 33.0 + 24.0° / 65.0 + 49.0° 82 %		15° 0° 15° 9° 75 80 80 80 80 80 80 80 80 80 80
LED FWHM / FWTM Efficiency Peak intensity	NWSx229A 33.0 + 24.0° / 65.0 + 49.0° 82 % 2.5 cd/lm		5. 00 25. 25.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NWSx229A 33.0 + 24.0° / 65.0 + 49.0° 82 % 2.5 cd/lm 1 White		500 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NWSx229A 33.0 + 24.0° / 65.0 + 49.0° 82 % 2.5 cd/lm 1 White		5. 00 25. 25.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NWSx229A 33.0 + 24.0° / 65.0 + 49.0° 82 % 2.5 cd/lm 1 White		5. 00 25. 25.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NWSx229A 33.0 + 24.0° / 65.0 + 49.0° 82 % 2.5 cd/lm 1 White		5. 00 25. 25.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NWSx229A 33.0 + 24.0° / 65.0 + 49.0° 82 % 2.5 cd/lm 1 White		5. 00 25. 25.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	NWSx229A 33.0 + 24.0° / 65.0 + 49.0° 82 % 2.5 cd/lm 1 White hts:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	NWSx229A 33.0 + 24.0° / 65.0 + 49.0° 82 % 2.5 cd/lm 1 White hts:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	NWSx229A 33.0 + 24.0° / 65.0 + 49.0° 82 % 2.5 cd/lm 1 White hts: OSLON Black Flat (LUW HWQP) 31.0 + 12.0° / 50.0 + 24.0°		300         307           300         62*           300         62*           300         62*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Opto Semiconductors LED FWHM / FWTM Efficiency	NWSx229A 33.0 + 24.0° / 65.0 + 49.0° 82 % 2.5 cd/lm 1 White hts: OSLON Black Flat (LUW HWQP) 31.0 + 12.0° / 50.0 + 24.0° 87 %		300         307           300         62*           300         62*           300         62*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	NWSx229A 33.0 + 24.0° / 65.0 + 49.0° 82 % 2.5 cd/lm 1 White ts: OSLON Black Flat (LUW HWQP) 31.0 + 12.0° / 50.0 + 24.0° 87 % 6 cd/lm		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer Deto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NWSx229A 33.0 + 24.0° / 65.0 + 49.0° 82 % 2.5 cd/lm 1 White hts: OSLON Black Flat (LUW HWQP) 31.0 + 12.0° / 50.0 + 24.0° 87 % 6 cd/lm 1		300         307           300         62*           300         62*           300         62*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer Deto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NWSx229A 33.0 + 24.0° / 65.0 + 49.0° 82 % 2.5 cd/lm 1 White hts: OSLON Black Flat (LUW HWQP) 31.0 + 12.0° / 50.0 + 24.0° 87 % 6 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer Deto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NWSx229A 33.0 + 24.0° / 65.0 + 49.0° 82 % 2.5 cd/lm 1 White hts: OSLON Black Flat (LUW HWQP) 31.0 + 12.0° / 50.0 + 24.0° 87 % 6 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer Deto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NWSx229A 33.0 + 24.0° / 65.0 + 49.0° 82 % 2.5 cd/lm 1 White hts: OSLON Black Flat (LUW HWQP) 31.0 + 12.0° / 50.0 + 24.0° 87 % 6 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer Deto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NWSx229A 33.0 + 24.0° / 65.0 + 49.0° 82 % 2.5 cd/lm 1 White hts: OSLON Black Flat (LUW HWQP) 31.0 + 12.0° / 50.0 + 24.0° 87 % 6 cd/lm 1 White		



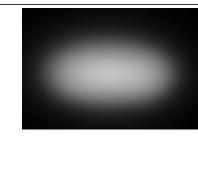
OSRAM Opto Semiconductors		50°
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON Square CSSRM2/CSSRM3 32.0 + 16.0° / 55.0 + 36.0° 87 % 4 cd/lm 1 White ents:	
OSRAM Opto Semiconductors		5) <sup>4</sup> 39 <sup>5</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON Square EC 33.0 + 17.0° / 57.0 + 37.0° 84 % 3.9 cd/lm 1 White ents:	
OSRAM		90 <sup>4</sup>
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON Square Flat 31.0 + 12.0° / 50.0 + 24.0° 87 % 5.9 cd/lm 1 White ents:	
OSRAM Opto Semiconductors		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON Square PC 33.0 + 13.0° / 56.0 + 34.0° 87 % 3.8 cd/lm 1 White	

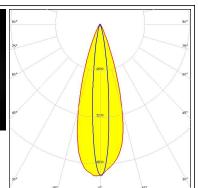


#### OSRAM Opto Semiconductors

LEDOSIFWHM / FWTM33.0Efficiency86.0Peak intensity5.2LEDs/each optic1Light colourWhRequired components:







#### OSRAM

LED	OSL
FWHM / FWTM	38.0
Efficiency	87 %
Peak intensity	3.7 c
LEDs/each optic	1
Light colour	Whit
Required componen	ts:

OSLON SSL 150 38.0 + 13.0° / 59.0 + 30.0° 87 % 3.7 cd/lm 1 White

#### OSRAM Opto Semiconductors

 LED
 OSLON SSL 80

 FWHM / FWTM
 35.0 + 12.0° / 56.0 + 30.0°

 Efficiency
 86 %

 Peak intensity
 3.8 cd/lm

 LEDs/each optic
 1

 Light colour
 White

 Required components:
 Second Second

#### OSRAM Opto Semiconductors

 LED
 SFH 4170S

 FWHM / FWTM
 30.0 + 10.0° / 50.0 + 26.0°

 Efficiency
 %

 LEDs/each optic
 1

 Light colour
 IR

 Required components:
 1



OSRAM Opto Semiconductors		
LED FWHM / FWTM Efficiency	SFH 4180S 31.0 + 10.0° / 50.0 + 27.0° %	
LEDs/each optic Light colour	1 IR	
Required compone		
		90°
LED	Z5M3	75'
FWHM / FWTM	33.0 + 19.0° / 59.0 + 42.0°	
Efficiency	82 %	60° 60°
Peak intensity	3.2 cd/lm	
LEDs/each optic	1	45° 63°
Light colour Required compone	White ints:	



		90* 90*
LED	XB-D	
FWHM / FWTM	39.0 + 18.0° / 67.0 + 36.0°	73. 73.
Efficiency	86 %	
Peak intensity	3.3 cd/lm	60° 60°
LEDs/each optic	1	1600_
Light colour	White	g*
Required components:		
		2000
		30° 30° 30°
		90° 90°
LED	XE-G	
FWHM / FWTM	38.0 + 14.0° / 62.0 + 28.0°	75.
Efficiency	89 %	
Peak intensity	4.4 cd/lm	60 <sup></sup> 1600
LEDs/each optic	1	
Light colour	White	gr
Required components:		3200
		36°
		15° 48°20 35°
M LUMILE	)S	90* 90*
LED	LUXEON 2835 Line	
FWHM / FWTM	38.0 + 16.0° / 66.0 + 34.0°	73
Efficiency	96 %	60*
Peak intensity	3.7 cd/lm	1620
LEDs/each optic	1	
Light colour	White	42. 42.
Required components:		
		3200
		$\times$ / $\times$ / $\times$
		30" 4000 30"
		15° 0° 15°
		90* 90*
LED	LUXEON C	75*
FWHM / FWTM	14.0 + 37.0° / 30.0 + 60.0°	
Efficiency		
Deals interacti	93 %	60° 60°
Peak intensity	4.2 cd/lm	60 <sup>4</sup>
LEDs/each optic	4.2 cd/lm 1	
LEDs/each optic Light colour	4.2 cd/lm	
LEDs/each optic	4.2 cd/lm 1	
LEDs/each optic Light colour	4.2 cd/lm 1	g
LEDs/each optic Light colour	4.2 cd/lm 1	g
LEDs/each optic Light colour	4.2 cd/lm 1	g



	)S	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	LUXEON IR Compact 37.0 + 13.0° / 60.0 + 27.0° 82 % 1 White	
	)S	50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON Rubix 38.0 + 16.0° / 65.0 + 30.0° 91 % 4.1 cd/lm 1 Red	2000 64° 2000 6
		135 0° 155
EUMILEE FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON Rubix 38.0 + 16.0° / 66.0 + 30.0° 91 % 4 cd/lm 1 Blue	29° 29° 29° 29° 29° 29° 29° 29° 29° 29°
	)S	90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON Rubix 38.0 + 16.0° / 65.0 + 31.0° 90 % 4 cd/lm 1 White	30 G. 100 209 20 100 209 20 20 20 20 20 20 20 20 20 20 20 20 20



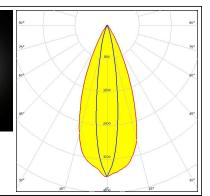
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NCSxE17A 42.0 + 13.0° / 62.0 + 26.0° 87 % 4.4 cd/lm 1 White	20° 27° 60° 270 270 270 270 270 270 270 270 270 270
<b>WICHIA</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NFSx757G 41.0 + 13.0° / 63.0 + 29.0° 90 % 4.4 cd/lm 1 White	200 50 50 50 50 50 50 50 50 50
<b>WICHIA</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSxx19B/NVSxx19C 39.0 + 18.0° / 68.0 + 39.0° 85 % 3.1 cd/lm 1 White	91 <sup>4</sup> 91
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSxx19B/NVSxx19C 39.0 + 17.0° / 66.0 + 36.0° 86 % 3.3 cd/lm 1 White	99 99 99 99 99 99 99 99 99 99



#### OSRAM Opto Semiconductors

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Duris S5 (2 chip) 41.0 + 17.0° / 64.0 + 34.0° 91 % 3.6 cd/lm 1 White





#### **OSRAM**

SFH 4770S 41.0 + 16.0° / 63.0 + 33.0° 85 % 3.5 cd/lm 1 White

#### OSRAM Opto Semiconductors LED Synios P2720 1 mm FWHM / FWTM 41.0 + 11.0° / 57.0 + 23.0° Efficiency 91 % Peak intensity 5.5 cd/lm LEDs/each optic 1 Light colour White Required components: **OSRAM** Opto Se LED Synios P2720 1/2 mm FWHM / FWTM 41.0 + 10.0° / 56.0 + 23.0° 91 % Efficiency Peak intensity 5.7 cd/lm LEDs/each optic 1 White Light colour Required components:



OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Synios P2720 1/4 mm 41.0 + 9.0° / 56.0 + 22.0° 91 % 6 cd/lm 1 White	91 <sup>4</sup> 91 <sup>5</sup> 91 <sup>4</sup> 91 <sup></sup>
SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LM302D 40.0 + 16.0° / 66.0 + 36.0° 88 % 3.4 cd/lm 1 White	Mathematical         Mathematical<
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Z8Y15 40.0 + 17.0° / 66.0 + 32.0° 82 % 3.3 cd/lm 1 White	20° 20° 20° 20° 20° 20° 20° 20° 20° 20°