

# PRODUCT DATASHEET CA11052\_TINA2-O

## TINA2-O

 ${\sim}35^\circ$  + 15° oval beam. Assembly with holder and installation tape.

#### **SPECIFICATION:**

Dimensions	Ø 16.1 mm
Height	9.7 mm
Fastening	tape
ROHS compliant	yes 🛈



#### **MATERIALS:**

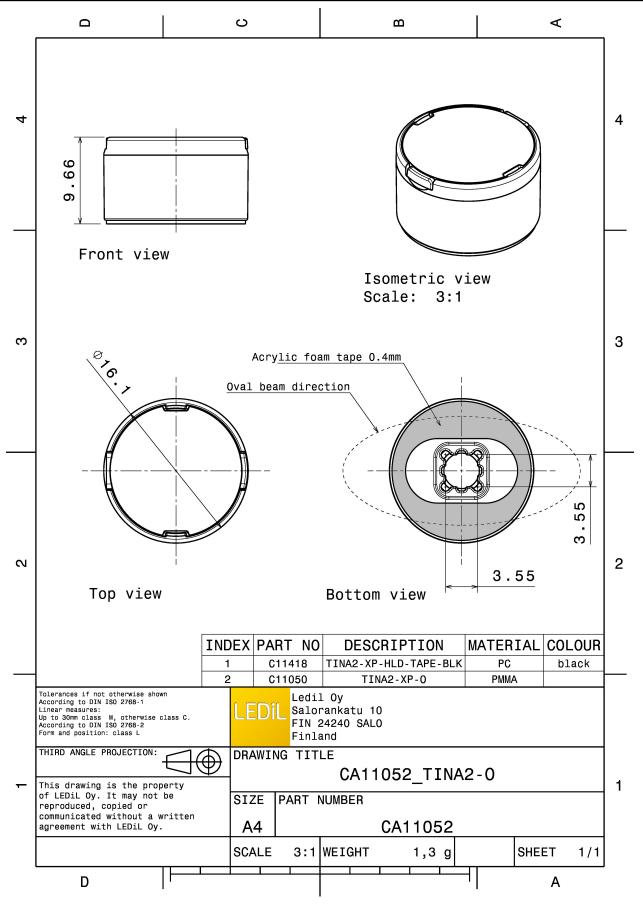
Component	Туре	Material	Colour	Finish
TINA2-XP-O	Single lens	PMMA	clear	
TINA2-XP-HLD-TAPE-BLK	Holder	PC	black	
TINA-TAPE3	Tape	Acrylic foam	black	

### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11052_TINA2-O	Single lens	4140	230	230	8.3
» Box size: 451 x 241 x 298 mm					



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



## **OPTICAL RESULTS (MEASURED):**

		30* 90*
LED	XP-E	
FWHM / FWTM	32.0 + 14.0° / 52.0 + 32.0°	75°
Efficiency	87 %	
Peak intensity	4.4 cd/lm	
LEDs/each optic	1	
Light colour	White	95°
Required compone		3200
		30° 30°
		15° 0° 15°
		90* 90*
LED	XP-E-HEW	
FWHM / FWTM	34.0 + 16.0° / 58.0 + 36.0°	800
Efficiency	%	60°
Peak intensity	3.4 cd/lm	150
LEDs/each optic	1	
Light colour	White	er 200 er
Required compone	nts:	
		$\times$ / $\times$ / $\times$ /
		30* 4000 36*
		15° 0° 15°
		90° 90°
LED	XP-E2	74*
FWHM / FWTM	34.0 + 14.0° / 56.0 + 30.0°	
Efficiency	86 %	60° 60°
Peak intensity	5.1 cd/lm	
LEDs/each optic	1	
Light colour	White	57° 67°
Required compone	nts:	
		4634
		30° 30° 30°
CREE 🚖		
LEDS		90* 90*
LED	XP-G	73*
FWHM / FWTM	35.0 + 16.0° / 58.0 + 35.0°	
Efficiency	87 %	50° 50°
Peak intensity	3.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	300
1		
		34° 35° 35°



## **OPTICAL RESULTS (MEASURED):**

		90*
LED	XP-G2	
FWHM / FWTM	34.0 + 16.0° / 57.0 + 34.0°	731
Efficiency	87 %	
Peak intensity	4 cd/Im	60 <sup></sup> 1600 B0 <sup>-</sup>
LEDs/each optic	1	
Light colour	White	gy
Required compone		
		15° 0° 15°
		50° 50°
LED	XT-E	
FWHM / FWTM	35.0 + 16.0° / 58.0 + 36.0°	73*
Efficiency	85 %	
Peak intensity	3.8 cd/lm	B0 <sup>-</sup>
LEDs/each optic	1	1590
Light colour	White	er
Required compone		2430
		220
		15% 0% 15%
SAMSI	UNG	90* 90*
LED	LH181A	
FWHM / FWTM	33.0 + 17.0° / 59.0 + 38.0°	75* 75*
Efficiency	72 %	
Peak intensity	3.1 cd/lm	
LEDs/each optic	1	1500
Light colour	White	er
Required compone	ents:	
		2430
		30° 3200 30°
		15% 0% 35%



## **OPTICAL RESULTS (SIMULATED):**

		90° 90°
LED	XP-G2 HE	
FWHM / FWTM	39.0 + 18.0° / 68.0 + 39.0°	75*
Efficiency	77 %	
Peak intensity	2.8 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	gg*
Required components:		
		2430
		15° 0° 15°
COMILED	DS Contraction of the second se	90* 90*
LED	LUXEON C	78*
FWHM / FWTM	38.0 + 14.0° / 63.0 + 29.0°	
Efficiency	84 %	60°
Peak intensity	4.1 cd/lm	1600
LEDs/each optic	1	
Light colour	White	45°
Required components:		
		369
OSRAM		
Opto Semiconductors		
LED FWHM / FWTM	OSLON Square CSSRM2/CSSRM3 38.0 + 16.0° / 64.0 + 33.0°	
Efficiency		
Linciency		
Poak intensity	89 %	60* V0*
Peak intensity	3.9 cd/lm	90°
LEDs/each optic	3.9 cd/lm 1	
LEDs/each optic Light colour	3.9 cd/lm	60° 00° 500 00° 2000 00°
LEDs/each optic	3.9 cd/lm 1	etet
LEDs/each optic Light colour	3.9 cd/lm 1	
LEDs/each optic Light colour	3.9 cd/lm 1	9 300 300
LEDs/each optic Light colour Required components:	3.9 cd/lm 1 White	et
LEDs/each optic Light colour	3.9 cd/lm 1 White	200 00 300 300 300 300
LEDs/each optic Light colour Required components:	3.9 cd/lm 1 White	
LEDs/each optic Light colour Required components: SAMSUN LED	3.9 cd/lm 1 White	
LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM	3.9 cd/lm 1 White <b>IG</b> LM302D 41.0 + 18.0° / 66.0 + 36.0°	<u>99</u> * <u>600</u> <u>97</u> * <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u>
LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency	3.9 cd/lm 1 White LM302D 41.0 + 18.0° / 66.0 + 36.0° 87 %	<u>9</u> <sup>3</sup> <u>30</u> <u>30</u> <u>30</u> <u>30</u> <u>30</u> <u>30</u> <u>30</u> <u>30</u>
LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity	3.9 cd/lm 1 White <b>IG</b> LM302D 41.0 + 18.0° / 66.0 + 36.0°	<u>9</u> <sup>3</sup> <u>30</u> <u>30</u> <u>30</u> <u>30</u> <u>30</u> <u>30</u> <u>30</u> <u>30</u>
LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	3.9 cd/lm 1 White LM302D 41.0 + 18.0° / 66.0 + 36.0° 87 % 3.3 cd/lm	200 200 200 200 200 200 200 200 200 200
LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	3.9 cd/lm 1 White LM302D 41.0 + 18.0° / 66.0 + 36.0° 87 % 3.3 cd/lm 1	800 800 300 300 300 300 300 300
LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	3.9 cd/lm 1 White LM302D 41.0 + 18.0° / 66.0 + 36.0° 87 % 3.3 cd/lm 1	
LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	3.9 cd/lm 1 White LM302D 41.0 + 18.0° / 66.0 + 36.0° 87 % 3.3 cd/lm 1	
LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	3.9 cd/lm 1 White LM302D 41.0 + 18.0° / 66.0 + 36.0° 87 % 3.3 cd/lm 1	



## **OPTICAL RESULTS (SIMULATED):**

SEOUL SEMICONDUCTOR		95°
LED FWHM / FWTM	Z5 41.0 + 15.0° / 62.0 + 29.0°	72 77
Efficiency	90 %	61 <sup>4</sup>
Peak intensity	4.2 cd/lm	
LEDs/each optic	1	
Light colour	White	24. 25.
Required components	5:	200 200 200 200