

# **TINA2-O-WAS**

Asymmetric beam for wall-washing. Assembly with black holder and installation tape.

### **SPECIFICATION:**

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



## **MATERIALS:**

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

Туре	
Single lens	
Holder	
Таре	

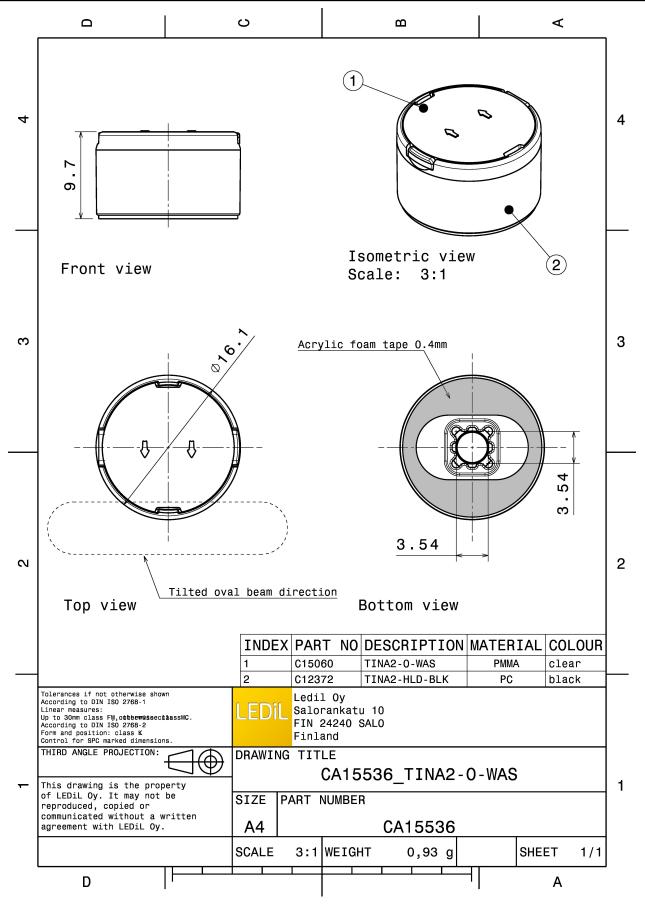
Material	Colour	Finish
PMMA	clear	
PC	black	
Acrylic foam	black	

## **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA15536_TINA2-O-WAS	Single lens	4140	230	230	0.0
» Box size: 451 x 241 x 298 mm					



# PRODUCT DATASHEET CA15536\_TINA2-O-WAS



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



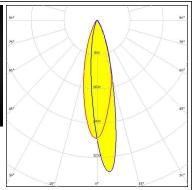
## **OPTICAL RESULTS (MEASURED):**

#### OSRAM Opto Semiconductors

LEDOFWHM / FWTMAsEfficiency81Peak intensity3.LEDs/each optic1Light colourWRequired components:

OSLON Square PC Asymmetric 81 % 3.6 cd/lm 1 White







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

		90° 90°
LED	XP-E2	
FWHM / FWTM	Asymmetric	75*
Efficiency	90 %	
Peak intensity	4.4 cd/lm	69 <sup>6</sup>
LEDs/each optic	1	
Light colour	White	e* e*
Required components:	White	
		30'-
		30° 30° 30°
		50° 50°
LED	XP-G2	
FWHM / FWTM	Asymmetric	73*
Efficiency	89 %	60 <sup>+</sup>
Peak intensity	3.7 cd/lm	1000
LEDs/each optic	1	
Light colour	White	43° 43°
Required components:		
		36* 36*
		15* 4030 15*
		90* 90*
	XP-G2 HE	97
	XP-G2 HE Asymmetric	21 21 21 21
LED		51 <sup>4</sup> 51 <sup>4</sup>
LED FWHM / FWTM	Asymmetric	51 <sup>4</sup> 51 <sup>4</sup>
LED FWHM / FWTM Efficiency	Asymmetric 78 %	60 60 60 60 60 60 60 60 60 60 60 60 60 6
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 78 % 2.6 cd/lm	2. 200 0.   24 25 25   25 25 25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 78 % 2.6 cd/lm 1	de 700 de,   de 90 66,   00 00 00,   22. 23, 24,   24. 25, 24,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 78 % 2.6 cd/lm 1	Q. 100 Q.   B1 00 01   B2 00 01
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 78 % 2.6 cd/lm 1	51 <sup>4</sup> 51 <sup>4</sup> 51 <sup>4</sup> 61 <sup>4</sup> 50 50 50 50 50 50 50 50 50 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 78 % 2.6 cd/lm 1	51 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 78 % 2.6 cd/lm 1	200 200 200 000 000 000 000 000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 78 % 2.6 cd/lm 1 White	314 200   201 201   201 201   202 203   203 203   204 203   205 203   205 203   204 203   205 203   205 203   205 203   205 203   205 203   205 203   205 203   205 203   205 203   205 203   205 203   205 203   205 203   205 203   205 203   205 203   205 203
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 78 % 2.6 cd/lm 1 White XP-G4	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 78 % 2.6 cd/lm 1 White XP-G4 Asymmetric	54 54 55 56 56 56 56 56 56 56 56 56
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency	Asymmetric 78 % 2.6 cd/lm 1 White XP-G4 Asymmetric 89 %	51- 51- 51- 51- 51- 51- 51- 51- 51- 51-
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE ED FWHM / FWTM Efficiency Peak intensity	Asymmetric 78 % 2.6 cd/lm 1 White XP-G4 Asymmetric 89 % 3.3 cd/lm	94 94 95 155 060 120 120 120 120 120 120 120 12
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 78 % 2.6 cd/lm 1 White XP-G4 Asymmetric 89 % 3.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 78 % 2.6 cd/lm 1 White XP-G4 Asymmetric 89 % 3.3 cd/lm	94 95 95 95 95 95 95 95 95 95 95
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 78 % 2.6 cd/lm 1 White XP-G4 Asymmetric 89 % 3.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 78 % 2.6 cd/lm 1 White XP-G4 Asymmetric 89 % 3.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 78 % 2.6 cd/lm 1 White XP-G4 Asymmetric 89 % 3.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 78 % 2.6 cd/lm 1 White XP-G4 Asymmetric 89 % 3.3 cd/lm 1	



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

OSRAM Opto Semiconductors		90 <sup>4</sup> 90
LED	OSLON Square CSSRM2/CSSRM3	75
FWHM / FWTM	Asymmetric	
Efficiency	88 %	
Peak intensity	3.2 cd/lm	
LEDs/each optic	1	
Light colour	White	gr a
Required components:		
		30* 30
		155 of 15 <sup>4</sup>
SAMSUI	NG	90*
LED	LH351B	
FWHM / FWTM	Asymmetric	75
Efficiency	86 %	
Peak intensity	2.9 cd/lm	
LEDs/each optic	1	
Light colour	White	er 6
Required components:		
		400
		10 <sup>5</sup> #0 10 <sup>5</sup>
SEOUL		90* 39
seoul semiconductor	Z8Y22	
FWHM / FWTM	Asymmetric	
Efficiency	72 %	
Peak intensity	1.8 cd/lm	
LEDs/each optic	1	
Light colour	White	er a
Required components:		
		304
		30° 30 15° 38% 15°