

PRODUCT DATASHEET CA12056_TINA2-W

TINA2-W

 ${\sim}45^\circ$ wide beam. Assembly with holder and installation tape.

SPECIFICATION:

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



MATERIALS:

Component TINA2-W-XP TINA2-XP-HLD-TAPE-BLK TINA-TAPE3

Туре	
Single lens	
Holder	
Таре	

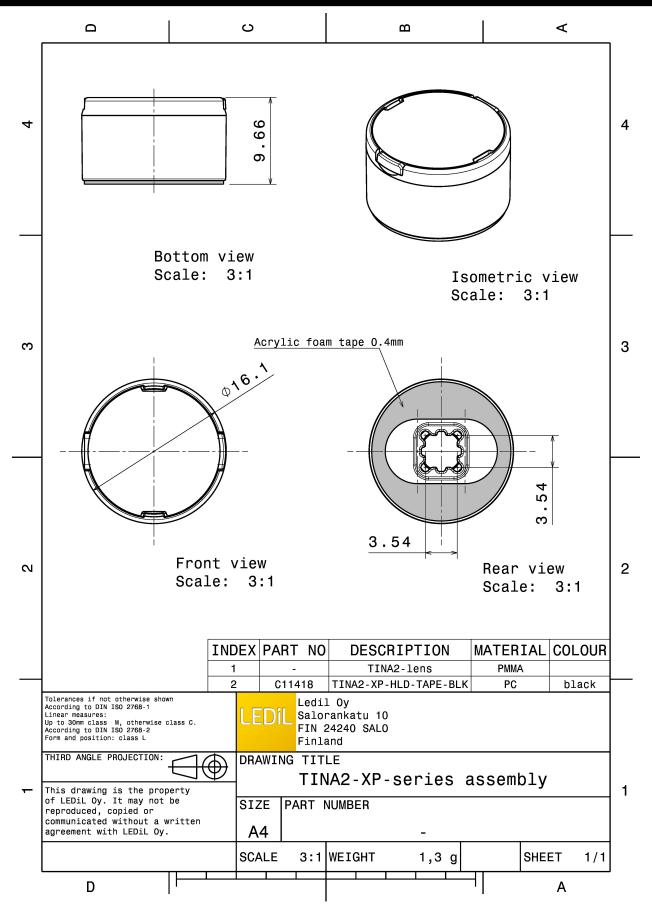
Material	Colour	Finish
PMMA	clear	
PC	black	
Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12056_TINA2-W	Single lens	4140	230	230	8.7
» 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):

		90° 99°
LED	XP-E	
FWHM / FWTM	50.0° / 68.0°	
Efficiency	88 %	400
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	
Light colour	White	97* 000 03*
Required compone		
		2200
		30° 35° 35°
		90 ⁴ 90 ⁴
LED	XP-E2	
FWHM / FWTM	52.0° / 70.0°	23*
Efficiency	89 %	
Peak intensity	1.2 cd/lm	60* 65*
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	
		1200
		30° 30° 30°
		90° 90°
LED	XP-G	
FWHM / FWTM	57.0° / 81.0°	75'
Efficiency	88 %	
Peak intensity	1 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	- 9°
Required compone		
		30° 30° 30° 30°
		90* 90*
LED	XP-G2	
FWHM / FWTM	54.0° / 74.0°	32.
Efficiency	88 %	
Peak intensity	1 cd/lm	400
LEDs/each optic	1	
Light colour	White	47*
Required compone		
1		
		30" 30" 30"



OPTICAL RESULTS (MEASURED):

CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G3 47.0° / 68.0° 87 % 1.4 cd/lm 1 White ents:	
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XQ-E HD 39.0° / 68.0° 72 % 1.4 cd/lm 1 White ents:	
CREE S LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 46.0° / 70.0° 87 % 1.4 cd/lm 1 White ents:	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON V2 49.0° / 70.0° 89 % 1.4 cd/lm 1 White	



OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR		90° 99°
LED	Z5	75'
FWHM / FWTM	40.0° / 75.0°	400
Efficiency	89 %	60° 60°
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	
Light colour	White	93°
Required compone	nts:	
		1220
		30° 1600 30°
		 15° 0° 15°
		50° 50°
	Z5M3	
FWHM / FWTM	49.0° / 71.0°	75.
Efficiency	86 %	400
Peak intensity	1.3 cd/lm	60°
LEDs/each optic	1	
Light colour	White	er to er
Required compone		
		1200
		1200



OPTICAL RESULTS (SIMULATED):

[
CREE ≑		90* 90*
LEDS	XP-G2 HE	
FWHM / FWTM	58.0° / 73.0°	75°
Efficiency	81 %	
Peak intensity	1 cd/lm	60 ¹ 60 ⁰
LEDs/each optic	1	
Light colour	' White	63× 63×
Required components:	white	
		30° 50° 15° 50°
		90° 90°
LED	XP-G3	
FWHM / FWTM	54.0° / 70.0°	75*
Efficiency	84 %	
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	$ \times / / \times \times $
Light colour	Royal Blue	g*
Required components:		
		30* 1200 3**
		30° 1226 30°
ΜΝΙCΗΙΛ		90° 90°
	NVSxE21A	90°
	NVSxE21A 34.6° / 57.8°	25. 26. 26.
LED FWHM / FWTM		20 21 22 22 25 25 25 25
LED FWHM / FWTM Efficiency	34.6° / 57.8°	60 64 25. 26. 26. 26. 26. 26.
LED FWHM / FWTM	34.6° / 57.8° 90 %	00 00° 33. 36. 36. 37. 36. 36. 37. 36. 36.
LED FWHM / FWTM Efficiency Peak intensity	34.6° / 57.8° 90 % 2.5 cd/lm	41. 61. 62. 62. 63. 64. 65. 65. 65. 65. 65. 65. 65. 65
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	34.6° / 57.8° 90 % 2.5 cd/lm 1	5°. 5°. 300 300 300 300 300 300 300 300 300 30
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	34.6° / 57.8° 90 % 2.5 cd/lm 1	99 ⁵ 99 ⁵ 99 90 90 90 90 90 90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	34.6° / 57.8° 90 % 2.5 cd/lm 1	91 ⁵ 91 ⁵ 91 ⁷ 90 90 90 90 90 90 90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	34.6° / 57.8° 90 % 2.5 cd/lm 1	30°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	34.6° / 57.8° 90 % 2.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	34.6° / 57.8° 90 % 2.5 cd/lm 1 White	91 ⁴ 91 ⁴ 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	34.6° / 57.8° 90 % 2.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OPTO Semiconductors LED FWHM / FWTM	34.6° / 57.8° 90 % 2.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 54.0° / 68.0°	209 20 ⁴ 20 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	34.6° / 57.8° 90 % 2.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 54.0° / 68.0° 91 %	209 20 ⁴ 20 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	34.6° / 57.8° 90 % 2.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 54.0° / 68.0° 91 % 1.3 cd/lm	209 20 ⁴ 20 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	34.6° / 57.8° 90 % 2.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 54.0° / 68.0° 91 % 1.3 cd/lm 1	209 20 ⁴ 20 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	34.6° / 57.8° 90 % 2.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 54.0° / 68.0° 91 % 1.3 cd/lm	209 20 ⁴ 20 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	34.6° / 57.8° 90 % 2.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 54.0° / 68.0° 91 % 1.3 cd/lm 1	209 20 ⁴ 20 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	34.6° / 57.8° 90 % 2.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 54.0° / 68.0° 91 % 1.3 cd/lm 1	209 20 ⁴ 20 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	34.6° / 57.8° 90 % 2.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 54.0° / 68.0° 91 % 1.3 cd/lm 1	50 ⁴ 50 ⁴ 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	34.6° / 57.8° 90 % 2.5 cd/lm 1 White OSLON Square CSSRM2/CSSRM3 54.0° / 68.0° 91 % 1.3 cd/lm 1	54 54 55 56 57 57 57 57 57 57 57 57 57 57



OPTICAL RESULTS (SIMULATED):

SAMSU	NG	90°
LED	LH351B	79
FWHM / FWTM	56.0° / 71.0°	
Efficiency	88 %	80°
Peak intensity	1.2 cd/lm	60°
LEDs/each optic	1	
Light colour	White	9°
Required componen	is:	



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:

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