

PRODUCT DATASHEET CA11420_TINA2-D

TINA2-D

 ${\sim}16^\circ$ diffused spot beam Assembly with holder and installation tape.

SPECIFICATION:

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



MATERIALS:

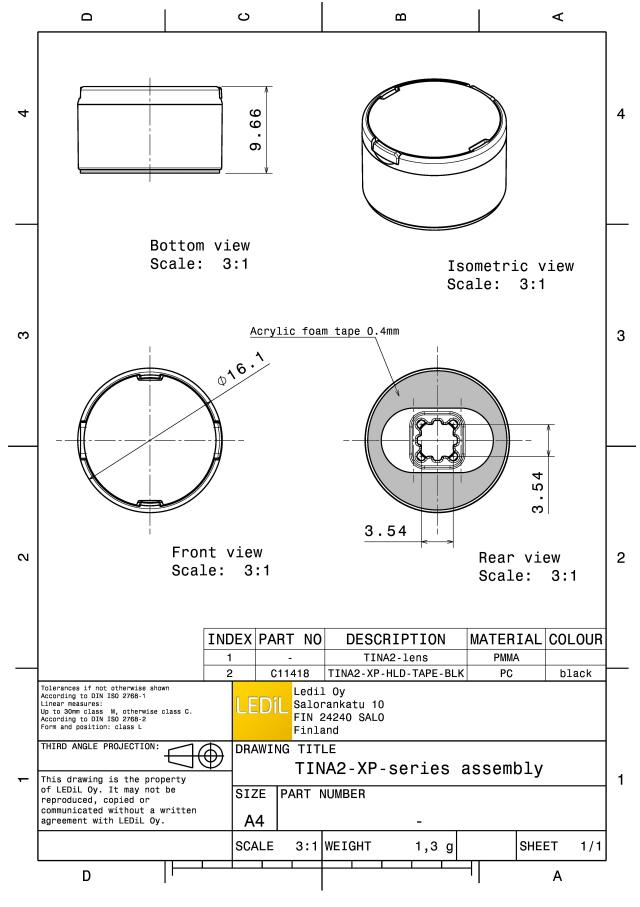
Component	Туре	Material	Colour	Finish
TINA2-XP-D	Single lens	PMMA	clear	
TINA2-XP-HLD-TAPE-BLK	Holder	PC	black	
TINA-TAPE3	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11420_TINA2-D	Single lens	4140	230	230	8.8
» 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):

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CREE ≑		90*
LED	XP-E	
FWHM / FWTM	12.0° / 26.0°	73*
Efficiency	91 %	
Peak intensity	10.3 cd/lm	60 ⁴ 60 ⁴
		6432
LEDs/each optic	1	
Light colour	White	9600
Required componer	IIS.	
		30° 15° 30°
		90° 99°
		90* 90*
LED	XP-E2	731
FWHM / FWTM	13.0° / 28.0°	
Efficiency	86 %	60° 60°
Peak intensity	11.8 cd/lm	
LEDs/each optic	1	6430
Light colour	White	45°
Required componer	its:	
		2600
		\times / \vee \times
		30* 19* 13800 19* 30*
CREE ≑		90° 90°
	YP C	90°
LED	XP-G	99°
LED FWHM / FWTM	17.0° / 37.0°	
LED FWHM / FWTM Efficiency	17.0° / 37.0° 91 %	
LED FWHM / FWTM Efficiency Peak intensity	17.0° / 37.0° 91 % 5.5 cd/lm	37
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	17.0° / 37.0° 91 % 5.5 cd/lm 1	73°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	17.0° / 37.0° 91 % 5.5 cd/lm 1 White	73°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	17.0° / 37.0° 91 % 5.5 cd/lm 1 White	73 75 75 75 75 75 75 75 75 75 75 75 75 75
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	17.0° / 37.0° 91 % 5.5 cd/lm 1 White	73 75 75 75 75 75 75 75 75 75 75 75 75 75
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	17.0° / 37.0° 91 % 5.5 cd/lm 1 White	73 75 75 75 75 75 75 75 75 75 75 75 75 75
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	17.0° / 37.0° 91 % 5.5 cd/lm 1 White	73 75 75 75 75 75 75 75 75 75 75 75 75 75
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	17.0° / 37.0° 91 % 5.5 cd/lm 1 White	30. 30. 30. 30. 30. 30. 30. 30.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	17.0° / 37.0° 91 % 5.5 cd/lm 1 White tts:	27 27 27 27 27 27 27 27 27 27
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	17.0° / 37.0° 91 % 5.5 cd/lm 1 White hts:	200 00 00 000 00 000 000 00 000 00 000 000 00 000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	17.0° / 37.0° 91 % 5.5 cd/lm 1 White hts: XT-E 16.0° / 34.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	17.0° / 37.0° 91 % 5.5 cd/lm 1 White its: XT-E 16.0° / 34.0° %	99°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer CREECS LED FWHM / FWTM Efficiency Peak intensity	17.0° / 37.0° 91 % 5.5 cd/lm 1 White its: XT-E 16.0° / 34.0° % 6.2 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer CREEE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	17.0° / 37.0° 91 % 5.5 cd/lm 1 White its: XT-E 16.0° / 34.0° % 6.2 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer CREEE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	17.0° / 37.0° 91 % 5.5 cd/lm 1 White its: XT-E 16.0° / 34.0° % 6.2 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer CREEE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	17.0° / 37.0° 91 % 5.5 cd/lm 1 White its: XT-E 16.0° / 34.0° % 6.2 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer CREEE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	17.0° / 37.0° 91 % 5.5 cd/lm 1 White its: XT-E 16.0° / 34.0° % 6.2 cd/lm 1 White	d. 000 000 320 300 000 300 300 000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer CREEE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	17.0° / 37.0° 91 % 5.5 cd/lm 1 White its: XT-E 16.0° / 34.0° % 6.2 cd/lm 1 White	d. 000 000 320 300 000 300 300 000



OPTICAL RESULTS (SIMULATED):

		90 ⁴ 90 ⁴
LED	XD16	
FWHM / FWTM	13.0° / 26.0°	73
Efficiency	87 %	3200
Peak intensity	11.3 cd/lm	60°
LEDs/each optic	1	
Light colour	' White	6130 67.
Required components:	Wille	\wedge / \mid \wedge \wedge \rangle
		X
		930
		364 153 04 153
		50° 50°
LED	XP-G2 HE	
FWHM / FWTM	18.0° / 35.0°	25* 25*
Efficiency	80 %	1500
Peak intensity	5.9 cd/lm	60°
LEDs/each optic	1	
Light colour	White	47 42 42
Required components:	WINC .	
		4000
		30° 30° 30°
L		
	DS	90 ⁺ A 90 ⁺
LED	LUXEON C	
LED FWHM / FWTM	LUXEON C 16.0° / 32.0°	50 ⁴
LED FWHM / FWTM Efficiency	LUXEON C 16.0° / 32.0° 85 %	50 ⁴
LED FWHM / FWTM Efficiency Peak intensity	LUXEON C 16.0° / 32.0°	8% 22 23 24 25 25 25 25 25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON C 16.0° / 32.0° 85 % 8.1 cd/lm 1	8% 22 23 24 25 25 25 25 25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON C 16.0° / 32.0° 85 % 8.1 cd/lm	8% 22 23 24 25 25 25 25 25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON C 16.0° / 32.0° 85 % 8.1 cd/lm 1	8% 22 23 24 25 25 25 25 25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON C 16.0° / 32.0° 85 % 8.1 cd/lm 1	gr 300 30"
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON C 16.0° / 32.0° 85 % 8.1 cd/lm 1	gr 300 30"
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON C 16.0° / 32.0° 85 % 8.1 cd/lm 1	191 191 191 191 191 191 191 191 191 191
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON C 16.0° / 32.0° 85 % 8.1 cd/lm 1 White	gr 300 30"
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Optio Semiconductors LED	LUXEON C 16.0° / 32.0° 85 % 8.1 cd/lm 1 White Duris E 2835	gr 300 30"
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM	LUXEON C 16.0° / 32.0° 85 % 8.1 cd/lm 1 White Duris E 2835 16.0° / 34.0°	1 1 1 1 1 1 1 1 1 1 1 1 1 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	LUXEON C 16.0° / 32.0° 85 % 8.1 cd/lm 1 White Duris E 2835 16.0° / 34.0° 92 %	Bit Bit 22 22 23 22 24 22 25 0 26 22 26 22 26 22 26 22 27 22 28 22 29 22 25 25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	LUXEON C 16.0° / 32.0° 85 % 8.1 cd/lm 1 White Duris E 2835 16.0° / 34.0° 92 % 7.9 cd/lm	gr 300 30"
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON C 16.0° / 32.0° 85 % 8.1 cd/lm 1 White Duris E 2835 16.0° / 34.0° 92 % 7.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON C 16.0° / 32.0° 85 % 8.1 cd/lm 1 White Duris E 2835 16.0° / 34.0° 92 % 7.9 cd/lm	Bit Bit 22 22 23 22 24 22 25 0 26 22 26 22 26 22 26 22 27 22 28 22 29 22 25 25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON C 16.0° / 32.0° 85 % 8.1 cd/lm 1 White Duris E 2835 16.0° / 34.0° 92 % 7.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON C 16.0° / 32.0° 85 % 8.1 cd/lm 1 White Duris E 2835 16.0° / 34.0° 92 % 7.9 cd/lm 1	61 220 84 220 64 200 65 65 65 65 65 65 65 65 65 65
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON C 16.0° / 32.0° 85 % 8.1 cd/lm 1 White Duris E 2835 16.0° / 34.0° 92 % 7.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON C 16.0° / 32.0° 85 % 8.1 cd/lm 1 White Duris E 2835 16.0° / 34.0° 92 % 7.9 cd/lm 1	