

TINA2-RS

~14° spot beam. Assembly with holder, installation tape and location pins.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.0 mm
Height	9.5 mm
Fastening	tape, pin
Colour	black
Box size	451 x 241 x 298 mm
Box weight	8.3 kg
Quantity in Box	4140 pcs
ROHS compliant	yes 🛈



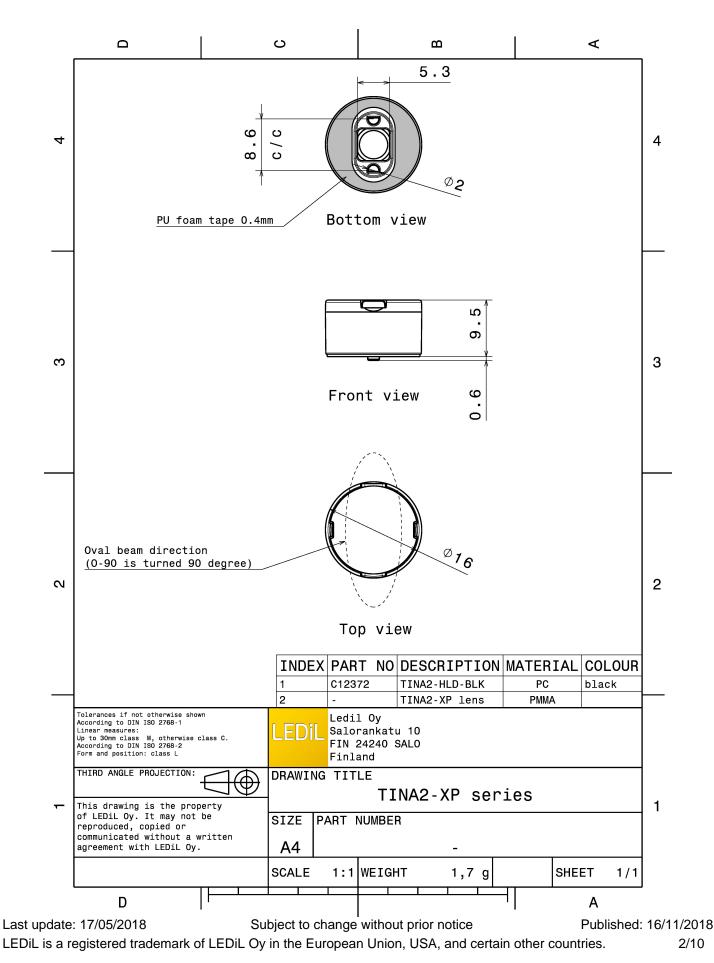
PRODUCT DATASHEET

CA12374_TINA2-RS

MATERIAL SPECIFICATIONS:

Component TINA2-RS TINA2-HLD-BLK TINA-TAPE3 **Type** Single lens Holder Tape Material PMMA PC PU tape Colour clear black black







PHOTOMETRIC DATA (MEASURED):

CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	XB-H 17.0° 86 % 8.700 cd/lm 1 White	97 75 64 65 612 612 612 67 612 67 612 77 612 77 612 77 67 67 612 77 77 77 77 77 77 77 77 77 7
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	XQ-E HI 9.0° 81 % 25.000 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
EUMIL LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	LUXEON 5050 25.0° 88 % 2.700 cd/lm 1 White	215 215 215 215 215 215 215 215 215 215
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	LUXEON TX 15.0° 89 % 9.860 cd/lm 1 White	



PHOTOMETRIC DATA (MEASURED):

	NVSxx19B/NVSxx19C	20. 20.
FWHM	18.0°	1600
Efficiency	88 %	600 X X X X X X X X X X X X X X X X X X
Peak intensity	7.000 cd/lm	
LEDs/each optic		
Light colour	White	¢
Required compon	ents:	20 20 20 20 20 20 20 20 20 20 20 20 20 2
Μ ΝΙCΗΙΛ		50° 50°
LED	NWSx229A	75.
FWHM	25.0°	
Efficiency	86 %	50 ⁴ 50 ⁴
Peak intensity	3.600 cd/lm	
LEDs/each optic		
Light colour	White	63" GT
Required compon	ents:	- 230
		229 34 52 54 55 56 56 56
OSRAM Opto Semiconductors		
LED	OSLON Square EC	
FWHM	13.0°	
Efficiency	88 %	
Peak intensity	9.300 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compon	ents:	
OSRAM		
Opto Semiconductors	OSLON Square PC	
FWHM	12.0°	
Efficiency	88 %	
Peak intensity	9.210 cd/lm	
LEDs/each optic		
Light colour	White	
Required compon		



PHOTOMETRIC DATA (MEASURED):

OSRAM

LED	OSLON SSL 150	
FWHM	11.0°	
Efficiency	90 %	
Peak intensity	19.500 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		

OSRAM Opto Semiconduct

LED	OSLON SSL 80	
FWHM	10.0°	
Efficiency	88 %	
Peak intensity	16.000 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		

OSRAM Opto Semicord

LED	SFH 4715S	
FWHM	14.0°	
Efficiency	%	
Peak intensity	cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		

OSRAM Opto Semiconductors

LEDSFH 4716SFWHM11.0°Efficiency%Peak intensitycd/lmLEDs/each optic1Light colourWhiteRequired components:



PHOTOMETRIC DATA (MEASURED):

SEOUL SEMICONDUCTOR		30°
LED	Z5M3	75
FWHM	17.0°	
Efficiency	87 %	60*
Peak intensity	6.800 cd/lm	
LEDs/each optic	1	
Light colour	White	₫
Required compor	ents:	34 ⁴ 55 ⁷ 6 ⁴ 55 ⁷ 36 ⁴



PHOTOMETRIC DATA (SIMULATED):

UMILE	DS	50* 50*
LED	LUXEON C	
FWHM	11.0°	75 75
Efficiency	92 %	600 600
Peak intensity	14.000 cd/lm	6433
LEDs/each optic 1		
0	Vhite	er a
Required componer	nts:	
		30° 15° 0° 15° 36°
	DS	
LED	LUXEON IR Compact	
FWHM	10.0°	
Efficiency	84 %	
Peak intensity	0.000 cd/lm	
LEDs/each optic 1		
	Vhite	
Required componer	nts:	
Μ ΝΙCΗΙΛ		
and the second se		90° 90°
	NFSx757G	90 ⁺ 90 ⁺
LED	NFSx757G 10.0°	75
LED FWHM		99°
LED FWHM Efficiency Peak intensity	10.0° 93 % 16.690 cd/lm	95* 95* 95* 95* 95* 95* 95* 95*
LED FWHM Efficiency Peak intensity LEDs/each optic 1	10.0° 93 % 16.690 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour V	10.0° 93 % 16.690 cd/lm Vhite	6. 6. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9.
LED FWHM Efficiency Peak intensity LEDs/each optic 1	10.0° 93 % 16.690 cd/lm Vhite	
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour V	10.0° 93 % 16.690 cd/lm Vhite	ge 60 60 60 60 60 60 60 60 60 60 60 60 60
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour V	10.0° 93 % 16.690 cd/lm Vhite	99* 99 73* 99 64* 640 640 640 640 640 640 640 640 640 640 640 640 640 640 640 640 640 640
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour V	10.0° 93 % 16.690 cd/lm Vhite	50° 50 60° 600 60 60° 60 50° 60° 60 50° 60° 60 50° 60 50° 60 50° 60 50° 60 50° 60 50
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour V Required componen	10.0° 93 % 16.690 cd/lm Vhite	
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour V Required component	10.0° 93 % 16.690 cd/lm Vhite nts:	
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour V Required component Optio Semiconductors LED	10.0° 93 % 16.690 cd/lm Vhite hts: OSLON Black Flat	
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour V Required component Optio Semiconductors LED FWHM	10.0° 93 % 16.690 cd/lm Vhite hts: OSLON Black Flat 8.6°	
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour V Required component OSRAM Opto Semiconductors LED FWHM Efficiency	10.0° 93 % 16.690 cd/lm Vhite hts: OSLON Black Flat 8.6° 92 %	
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour V Required component Ostromonoment Efficiency Peak intensity	10.0° 93 % 16.690 cd/lm White hts: OSLON Black Flat 8.6° 92 % 32.400 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour V Required component Correst LED FWHM Efficiency Peak intensity LEDs/each optic 1	10.0° 93 % 16.690 cd/lm White hts: OSLON Black Flat 8.6° 92 % 32.400 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour V Required component Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour V	10.0° 93 % 16.690 cd/lm Vhite hts: OSLON Black Flat 8.6° 92 % 32.400 cd/lm Vhite	
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour V Required componer Corosenconductors LED FWHM Efficiency Peak intensity LEDs/each optic 1	10.0° 93 % 16.690 cd/lm Vhite hts: OSLON Black Flat 8.6° 92 % 32.400 cd/lm Vhite	
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour V Required component Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour V	10.0° 93 % 16.690 cd/lm Vhite hts: OSLON Black Flat 8.6° 92 % 32.400 cd/lm Vhite	
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour V Required componen Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour V	10.0° 93 % 16.690 cd/lm Vhite hts: OSLON Black Flat 8.6° 92 % 32.400 cd/lm Vhite	

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PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors

LED OSLON Square Flat FWHM 11.0° Efficiency 91 % Peak intensity 16.400 cd/lm LEDs/each optic 1 Light colour White Required components:



OSRAM Opto Semiconductor

SFH 4770S		
16.0°		
87 %		
9.200 cd/lm		
1		
White		
Required components:		

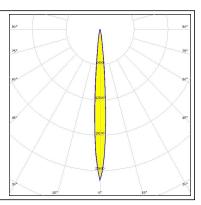
OSRAM Opto Semiconductors LED Synios P2720 1 mm FWHM 10.0° Efficiency 92 % Peak intensity 20.340 cd/lm LEDs/each optic 1 Light colour White Required components: OSRAM Opto Semiconductors LED Synios P2720 1/2 mm FWHM 9.0° Efficiency 92 % Peak intensity 24.030 cd/lm LEDs/each optic 1 White Light colour Required components:



PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors

LED Synios P2720 1/4 mm FWHM 8.0° Efficiency 92 % Peak intensity 27.470 cd/lm LEDs/each optic 1 Light colour Whit= Required components:





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.

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