

PRODUCT DATASHEET CA11020_TINA2-RS

TINA2-RS

~14° spot beam optimized for Nichia NCSxx19. Assembly with holder, installation tape and location pins.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.3 mm
Fastening	tape, pin
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

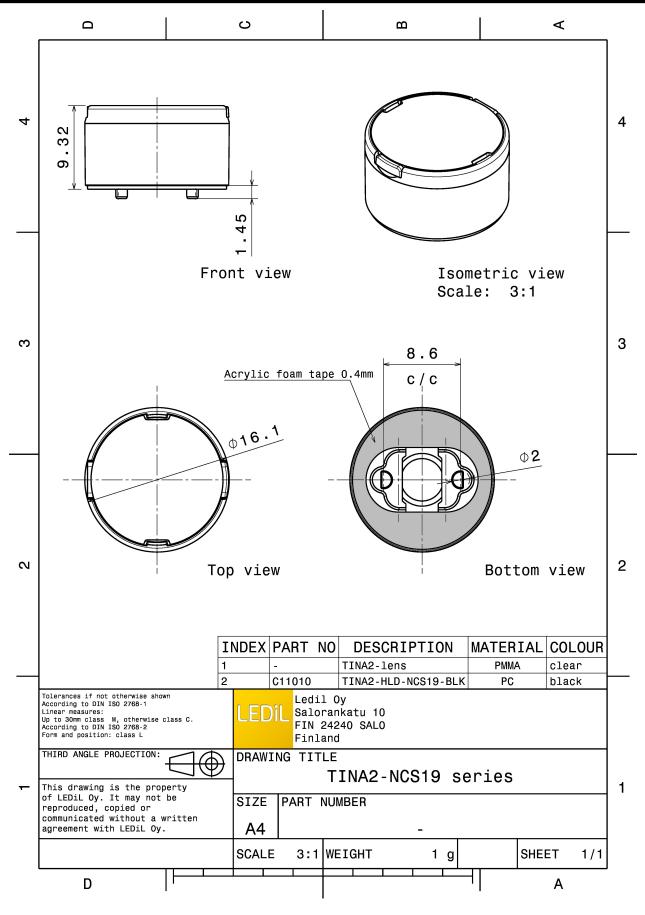
Component	Туре	Material	Colour	Finish
TINA2-RS	Single lens	PMMA	clear	
TINA2-HLD-NCS19-BLK	Holder	PC	black	
TINA-TAPE3	Таре	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11020_TINA2-RS	Single lens	4140		230	0.0
» 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>



PHOTOMETRIC DATA (MEASURED):

ØNICHI	N Contraction of the second seco	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NCSxx19A 13.0° / 26.0° 93 % 10.7 cd/lm 1 White	
Required compone	ents:	
SAMSI	UNG	90° A
LED	LH181A	
FWHM / FWTM	13.0° / 31.0°	
Efficiency	82 %	50 ⁴ 200
Peak intensity	8.7 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		20 ⁴ 00 ⁴ 00 ⁴
SAMSI	UNG	»**
LED	LH181B	
FWHM / FWTM	14.0° / 31.0°	
Efficiency	89 %	igs
Peak intensity	9.4 cd/lm	
LEDs/each optic	1	
Light colour	White	g
Required compone	ents:	



PHOTOMETRIC DATA (SIMULATED):

	NCSxE17A	90°
FWHM / FWTM	10.0° / 21.0°	75
Efficiency	92 %	
Peak intensity	20.5 cd/lm	
LEDs/each optic	1	
Light colour	White	43° 43*
Required components:		
		30° 30°
		15° 0° 35°
ΜΝΙCΗΙΛ		50*
LED	NVSxE21A	75
FWHM / FWTM	12.0° / 26.0°	3000
Efficiency	90 %	50°
Peak intensity	13.3 cd/lm	600
LEDs/each optic	1	
Light colour	White	2×
Required components:		9600
		\times / \setminus \times
		tree
		30° 15° 0° 15°
MNICHIA		50 ⁴ 50 ⁵
LED	NVSxx19A	
FWHM / FWTM	20.0° / 37.0°	32.
Efficiency	88 %	60 ⁴ 50 ⁹
Peak intensity	5.6 cd/lm	
LEDs/each optic	1	320
Light colour	White	er et
Required components:		
		4630
		36 15 00 15 36
OSRAM Opto Semiconductors		90°
LED	KW CSLPM1.TG	
FWHM / FWTM	12.0° / 25.0°	750
Efficiency	92 %	
Peak intensity	14.7 cd/lm	6120
LEDs/each optic	1	
Light colour	White	g
Required components:		
		30.4 35.4
		15° 1980 15°



PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors		90° A 90°
LED	OSLON SSL 120	75- 77
FWHM / FWTM	11.0° / 23.0°	
Efficiency	92 %	
Peak intensity	16.8 cd/lm	900
LEDs/each optic	1	
Light colour	Hyper Red	g
Required component	ts:	
		30° 0° 35°



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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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