

PRODUCT DATASHEET CA11020_TINA2-RS

TINA2-RS

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

SPECIFICATION:

Dimensions Height Fastening ROHS compliant

Lon IoAnon.

Ø 16.1 mm 9.3 mm tape, pin yes ⁽)



MATERIALS:

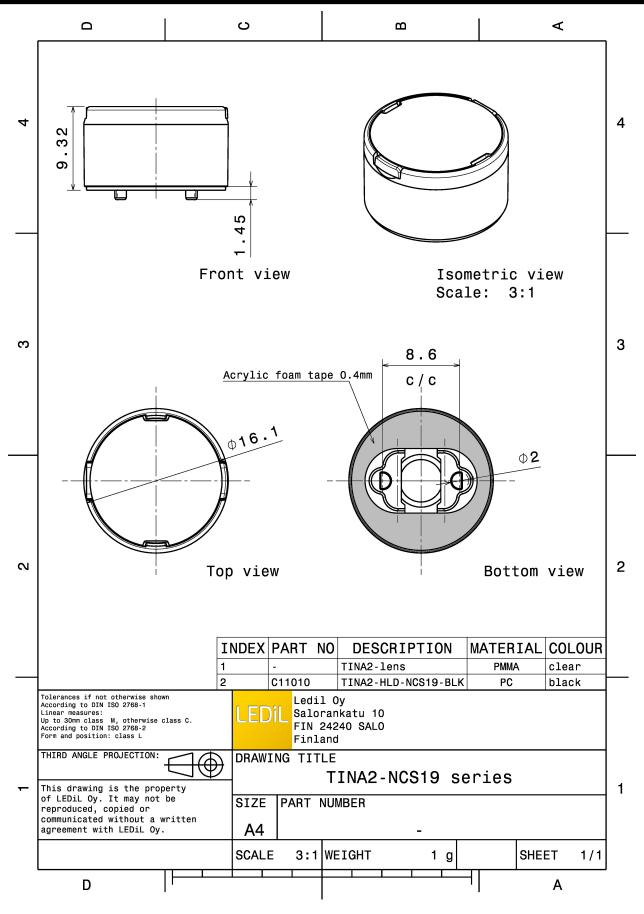
Component	Туре	Material	Colour	Finish	Length (mm)
TINA2-RS	Single lens	PMMA	clear		
TINA2-HLD-NCS19-BLK	Holder	PC	black		
TINA-TAPE3	Таре	Acrylic foam	black		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA11020_TINA2-RS	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>



OPTICAL RESULTS (MEASURED):

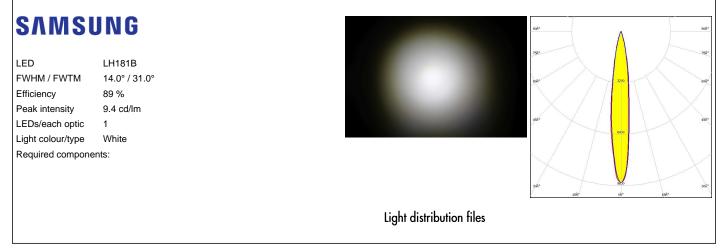
ΜΝΙCΗΙΛ

LED	NCSxx19A
FWHM / FWTM	13.0° / 26.0°
Efficiency	93 %
Peak intensity	10.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required componen	ts:



Light distribution files

SAMSUNG LED LH181A FWHM / FWTM 13.0°/31.0° Efficiency 82 % Peak intensity 8.7 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files





OPTICAL RESULTS (SIMULATED):

ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	LUXEON CZ 12.0° / 25.0° 92 % 16.1 cd/lm 1 Red	36 ¹⁰ 36 ¹⁰ 36 ¹⁰ 60 ¹⁰ 36 ¹⁰ 60 ¹⁰ 36 ¹⁰ 60 ¹⁰ 36 ¹⁰ 60 ¹⁰
		Light distribution files
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	LUXEON HL1Z 10.0° / 20.0° 90 % 22.1 cd/lm 1 White	ight distribution files
		Light distribution files
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	NCSxE17A 10.0° / 21.0° 92 % 20.5 cd/lm 1 White	
		Light distribution files



OPTICAL RESULTS (SIMULATED):

ΜΝΙCΗΙΛ I FD NVSxE21A FWHM / FWTM 12.0° / 26.0° Efficiency 90 % Peak intensity 13.3 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files **Μ**ΝΙCΗΙΛ I FD NVSxx19A 20.0° / 37.0° FWHM / FWTM Efficiency 88 % Peak intensity 5.6 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files OSRAM Opto S OSLON Square CSSRM2/CSSRM3 LED FWHM / FWTM 16.0° / 34.0° Efficiency 90 % Peak intensity 7.7 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files



OPTICAL RESULTS (SIMULATED):

Dete Semiconductors	OSLON SSL 120 11.0° / 23.0° 92 % 16.8 cd/lm 1 Hyper Red	Light distribution files	944 756 640 640 640 756 757 757 757 757 757 757 757 757 757
COSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	OSRAM OSTAR Projection Compact (KW CSLPM1.TG) 12.0° / 25.0° 92 % 14.7 cd/lm 1 White	Light distribution files	*ike *ike



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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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