

# PRODUCT DATASHEET CA11942\_TINA2-D

# TINA2-D

~16° diffused 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:

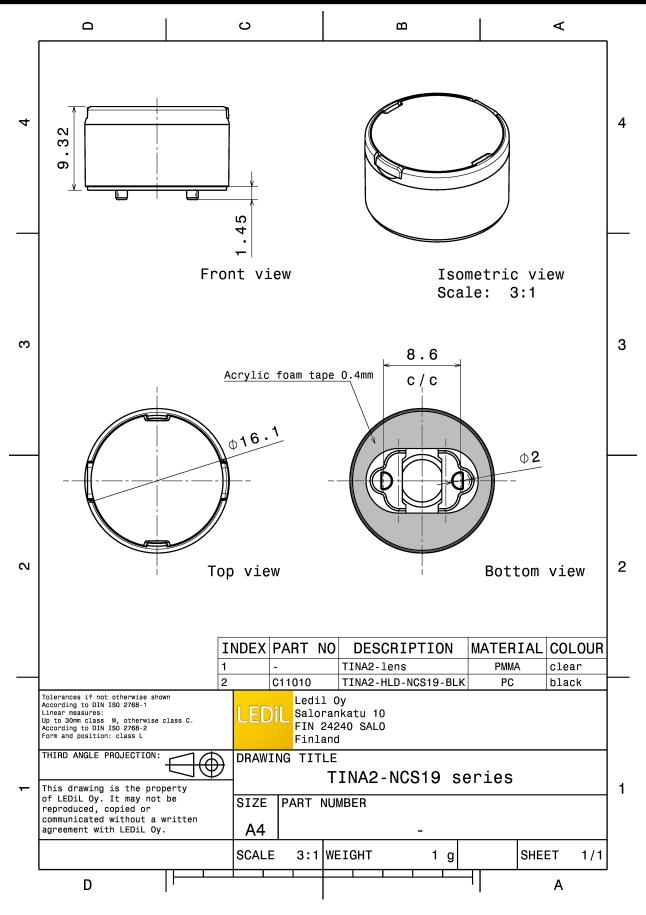
Component	Туре	Material	Colour	Finish
TINA2-XP-D	Single lens	PMMA	clear	
TINA2-HLD-NCS19-BLK	Holder	PC	black	
TINA-TAPE3	Таре	Acrylic foam	black	

### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11942_TINA2-D	Single lens	4140	230	230	0.0
» Box size: 451 x 241 x 298 mm					



PRODUCT DATASHEET CA11942\_TINA2-D



See also our general installation guide: <u>www.ledil.com/installation\_guide</u>



## PHOTOMETRIC DATA (MEASURED):

<b>ØNICHI</b>	N Contraction of the second	
LED	NCSxx19A	
FWHM / FWTM	14.0° / 43.0°	
Efficiency	92 %	
Peak intensity	7.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
SAMS	JNG	50°
LED	LH181A	
FWHM / FWTM	17.0° / 39.0°	
Efficiency	82 %	80
Peak intensity	5.2 cd/lm	
LEDs/each optic	1	
Light colour	White	ar <u>200</u>
Required compone	ents:	
		30*
SAMSI		15 <sup>5</sup> d <sup>3</sup> 55 <sup>5</sup>
		100
LED	LH181B	77
FWHM / FWTM	18.0° / 39.0°	
Efficiency	87 %	601
Peak intensity	5.6 cd/lm	
LEDs/each optic	1	
Light colour	White	¢,
Required compone	ents:	
		400



## PHOTOMETRIC DATA (SIMULATED):

ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSxE21A 14.0° / 28.0° 90 % 11.3 cd/lm 1 White	30, 10, 0, 11, 25, 30, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
<b>Μ</b> ΝΙCΗΙΛ		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSxx19A 20.0° / 39.0° 88 % 5.3 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
OSRAM Opto Semiconductors		50 <sup>4</sup> 90 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Duris E 2835 14.0° / 29.0° 92 % 11 cd/lm 1 White	22, 6, 12, 26, 61, 200 200 22, 22,
stoul stationoucror LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Z8Y15 13.0° / 25.0° 91 % 14.3 cd/lm 1 White	30 00 00 00 00 00 00 00 00 00 00 00 00 0



# PRODUCT DATASHEET CA11942 TINA2-D

#### **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:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

#### LEDiL Oy

Joensuunkatu 13 FI-24240 SALO Finland

#### LEDiL Inc. 228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd. # 405 , Block B **Casic Motor Building** Shenzhen 518057 P.R.CHINA

#### Local sales and technical support www.ledil.com/ where\_to\_buy

**Shipping locations** Salo, Finland Hong Kong, China

#### **Distribution Partners** www.ledil.com/ where\_to\_buy

Published: 16/11/2018 Last update: 20/04/2022 Subject to change without prior notice LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.