

TINA2-D

~16° diffused spot beam optimized for Nichia NCSxx19. Assembly with holder, installation tape and location pins.

SPECIFICATION:

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



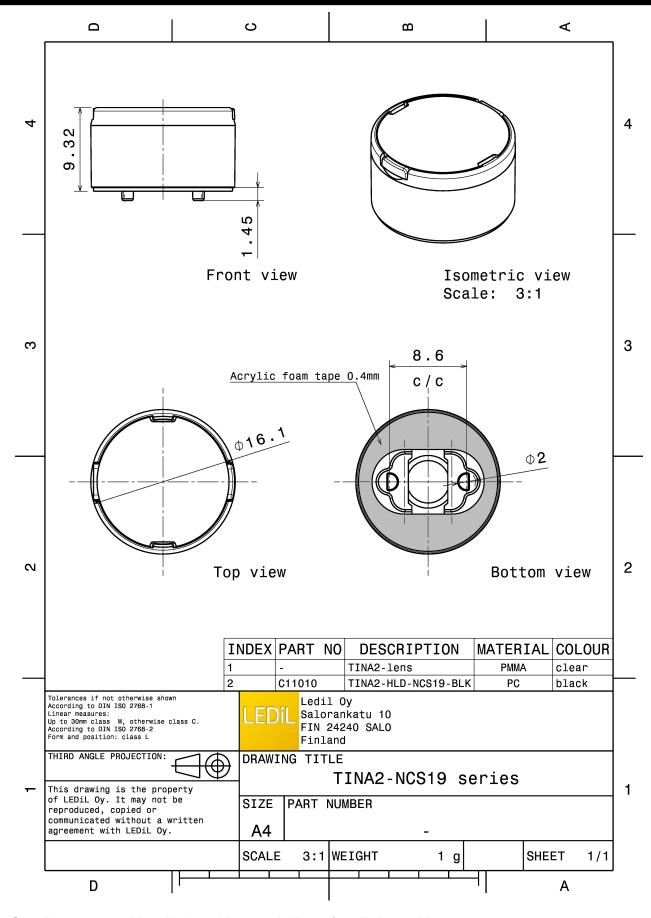
MATERIALS:

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





See also our general installation guide: www.ledil.com/installation_guide



OPTICAL RESULTS (MEASURED):

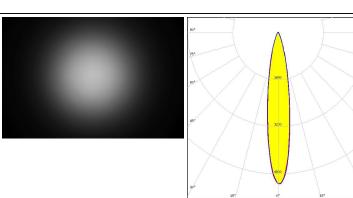
WNICHIA

LED NCSxx19A
FWHM / FWTM 14.0° / 43.0°
Efficiency 92 %
Peak intensity 7.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

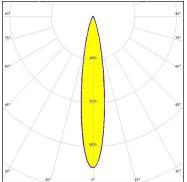
LED LH181A
FWHM / FWTM 17.0° / 39.0°
Efficiency 82 %
Peak intensity 5.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

LED LH181B
FWHM / FWTM 18.0° / 39.0°
Efficiency 87 %
Peak intensity 5.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:





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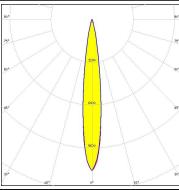
OPTICAL RESULTS (SIMULATED):

WNICHIA

LED NVSxE21A $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 14.0° / 28.0° Efficiency 90 % Peak intensity 11.3 cd/lm

LEDs/each optic Light colour White

Required components:

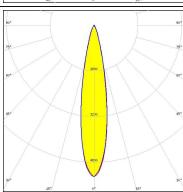


WNICHIA

LED NVSxx19A FWHM / FWTM 20.0° / 39.0° Efficiency 88 % Peak intensity 5.3 cd/lm LEDs/each optic 1

White

Required components:

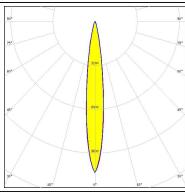


OSRAM Opto Semiconductor

Light colour

LED Duris E 2835 FWHM / FWTM 14.0° / 29.0° Efficiency 92 % Peak intensity 11 cd/lm LEDs/each optic 1 Light colour White

Required components:

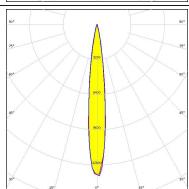


SEOUL SEOUL SEMICONDUCTOR

LED Z8Y15 FWHM / FWTM 13.0° / 25.0° Efficiency 91 % Peak intensity 14.3 cd/lm

LEDs/each optic White Light colour

Required components:



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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.

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