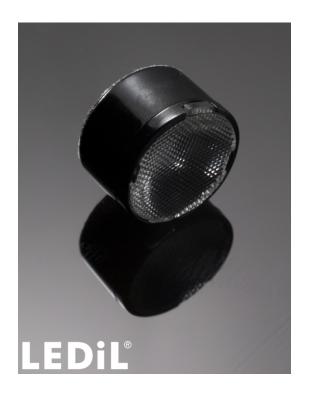


TINA2-M

~30° medium 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:

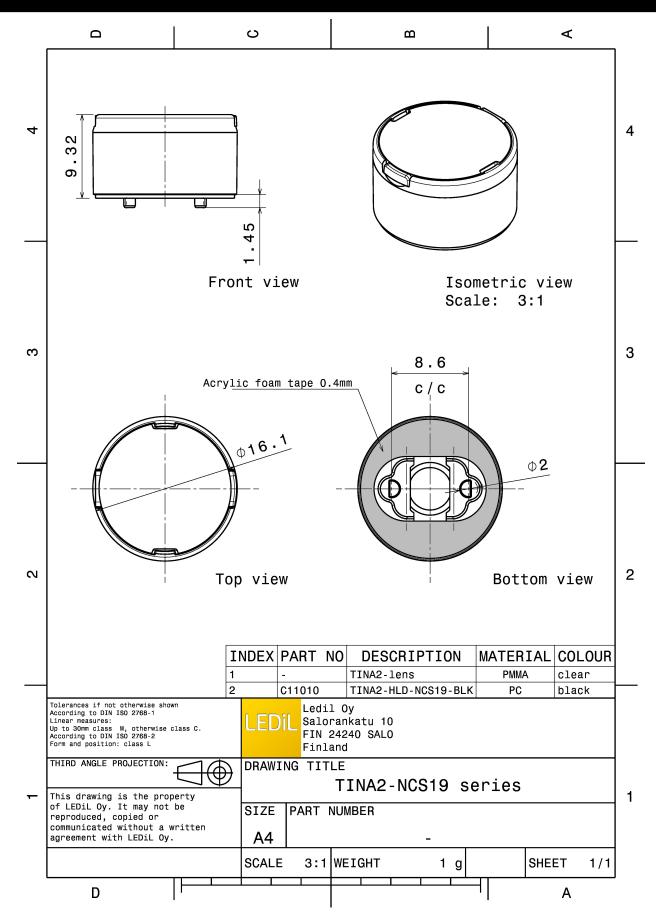
Component	Туре	Material	Colour	Finish
TINA2-XP-M	Single lens	PMMA	clear	
TINA2-HLD-NCS19-BLK	Holder	PC	black	
TINA-TAPE3	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11021_TINA2-M	Single lens	4140	0	230	0.0
» Box size: 451 x 241 x 298 mm					

Published: 16/11/2018





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

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PHOTOMETRIC DATA (MEASURED):

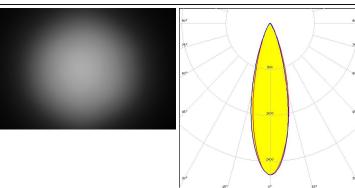


LED NCSxx19A
FWHM / FWTM 25.0° / 51.0°
Efficiency 89 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



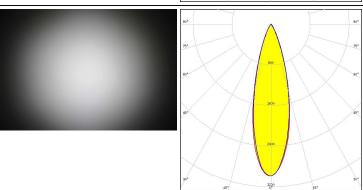
SAMSUNG

LED LH181A
FWHM / FWTM 28.0° / 54.0°
Efficiency 80 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

LED LH181B
FWHM / FWTM 28.0° / 52.0°
Efficiency 86 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



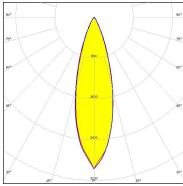


PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED LUXEON SunPlus 20 Line (150 deg)

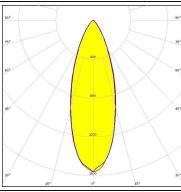
FWHM / FWTM 30.0° / 54.0° Efficiency 88 % Peak intensity 3 cd/lm LEDs/each optic Light colour White Required components:



WNICHIA

LED NCSxE17A FWHM / FWTM 35.0° / 70.0° Efficiency 79 % Peak intensity 1.6 cd/lm LEDs/each optic 4 White Light colour

Required components:



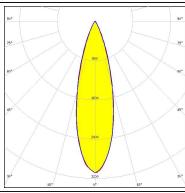
WNICHIA

LED NVSxE21A FWHM / FWTM 28.0° / 53.0° Efficiency 88 % Peak intensity 3.1 cd/lm LEDs/each optic 1

White

Required components:

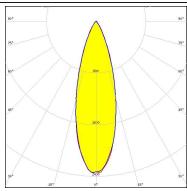
Light colour



WNICHIA

LED NVSxx19A FWHM / FWTM 32.0° / 59.0° Efficiency 84 % Peak intensity 2.4 cd/lm LEDs/each optic White Light colour

Required components:



Published: 16/11/2018



PRODUCT DATASHEET CA11021_TINA2-M

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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