

## TINA2-D

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



### TECHNICAL SPECIFICATIONS:

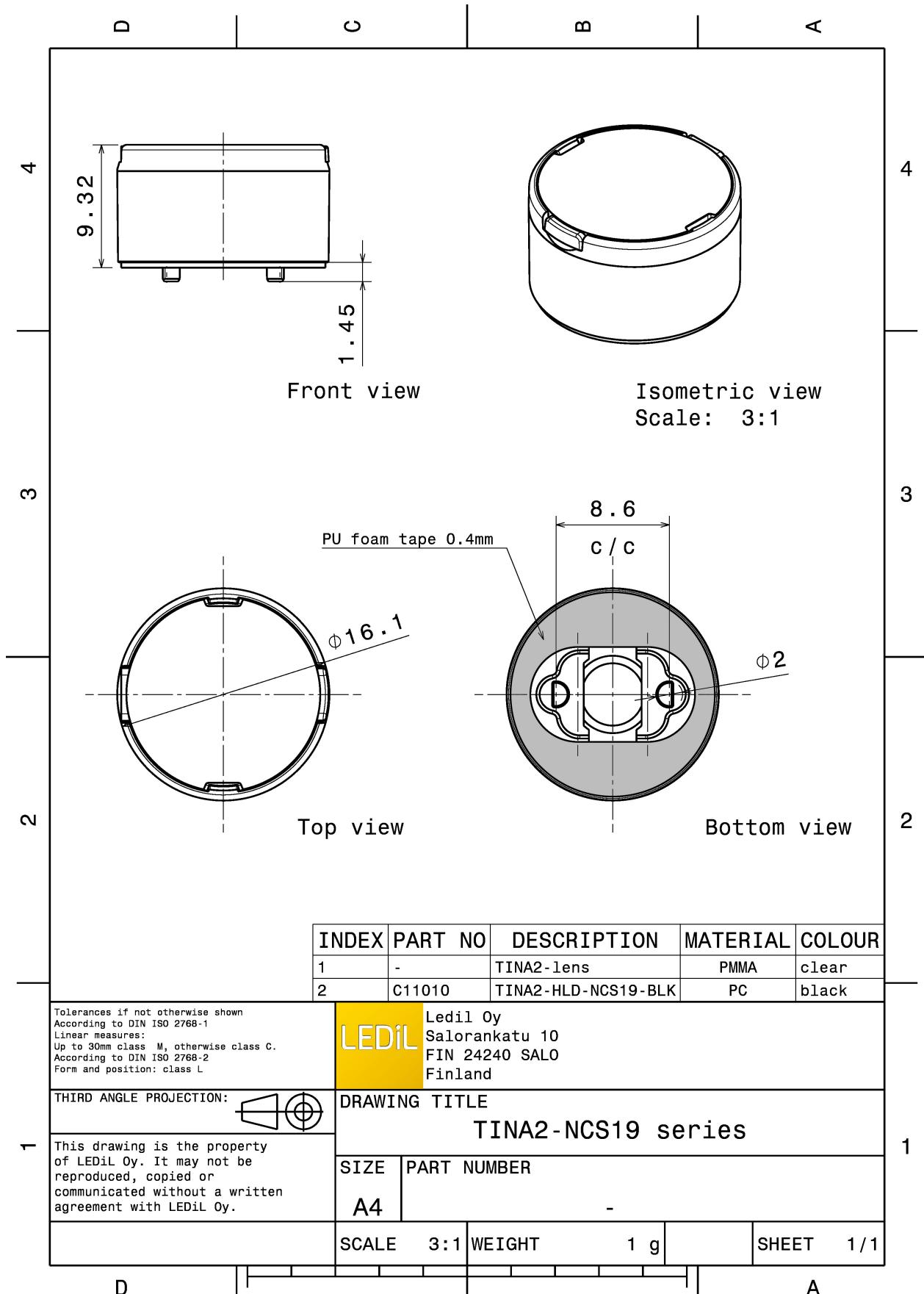
Dimensions	Ø 16.1 mm
Height	9.3 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
TINA2-XP-D	Single lens	PMMA		
TINA2-HLD-NCS19-BLK	Holder	PC		
TINA-TAPE3	Tape	PU tape		

### ORDERING INFORMATION:

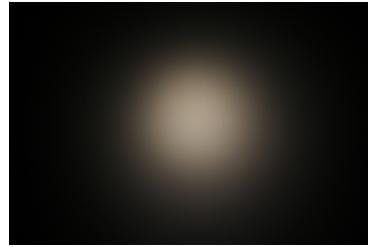
Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA11942_TINA2-D » Box size: 451 x 241 x 298 mm	Single lens	4140	230	230



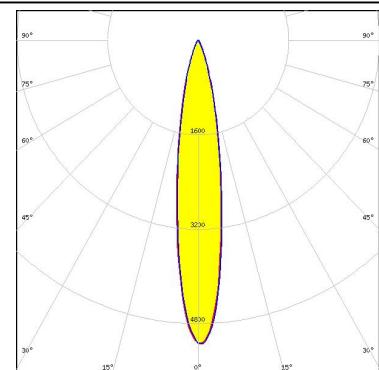
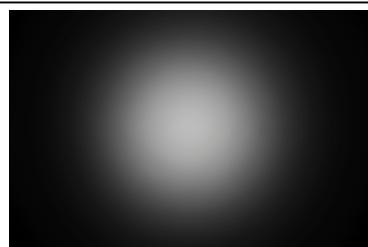
## PHOTOMETRIC DATA (MEASURED):



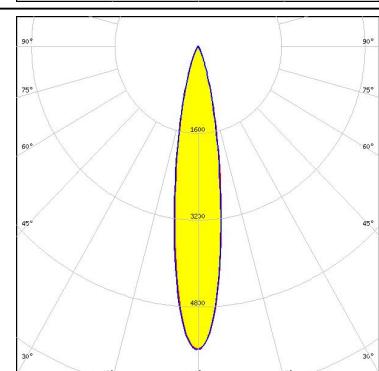
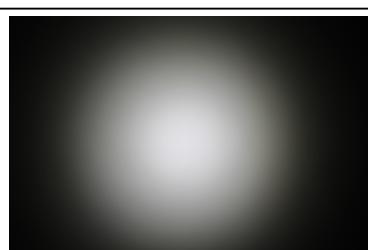
LED NCSxx19A  
FWHM 14.0°  
Efficiency 92 %  
Peak intensity 7.250 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED LH181A  
FWHM 17.0°  
Efficiency 82 %  
Peak intensity 5.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



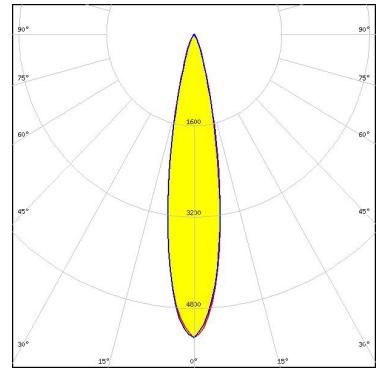
LED LH181B  
FWHM 18.0°  
Efficiency 87 %  
Peak intensity 5.600 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



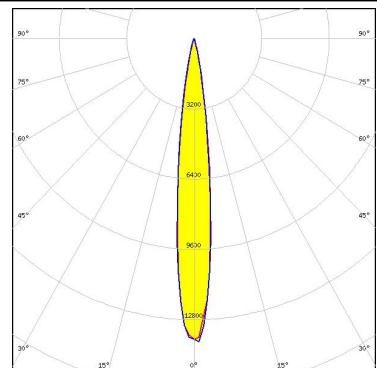
### PHOTOMETRIC DATA (SIMULATED):



LED NVSxx19A  
 FWHM 20.0°  
 Efficiency 88 %  
 Peak intensity 5.319 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED Z8Y15  
 FWHM 13.0°  
 Efficiency 91 %  
 Peak intensity 14.250 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



## 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:

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