

TINA2-M

~30° medium beam optimized for Nichia NCSxx19. Assembly with holder, installation tape and location pins.

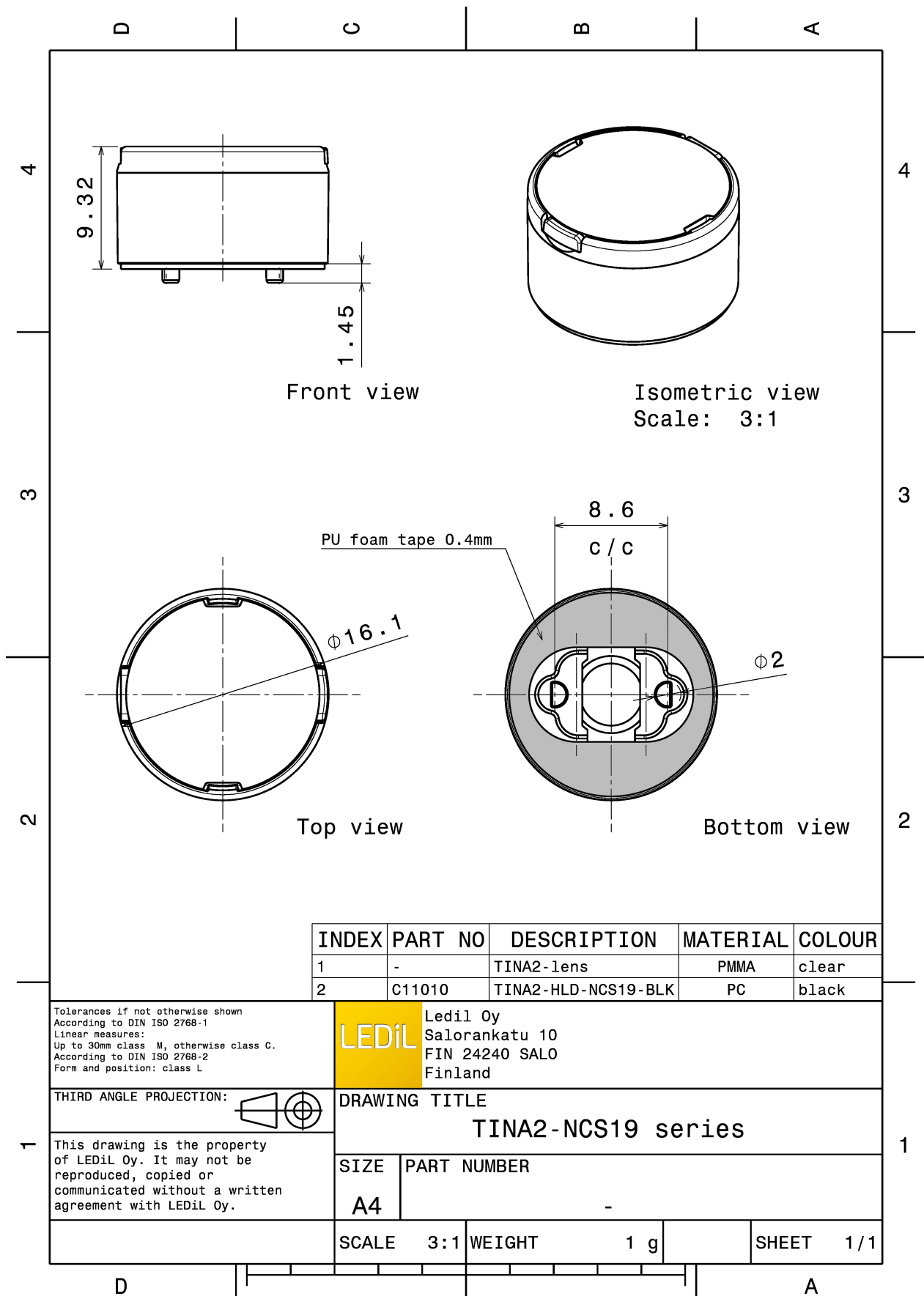
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.3 mm
Fastening	tape, pin
Colour	black
Box size	451 x 241 x 298 mm
Box weight	0 kg
Quantity in Box	4140 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

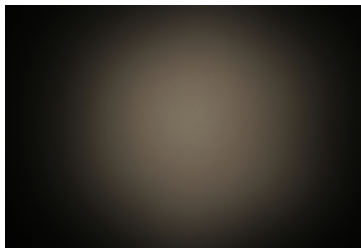
Component	Type	Material	Colour
TINA2-XP-M	Single lens	PMMA	clear
TINA2-HLD-NCS19-BLK	Holder	PC	black
TINA-TAPE3	Tape	PU tape	black



PHOTOMETRIC DATA (MEASURED):

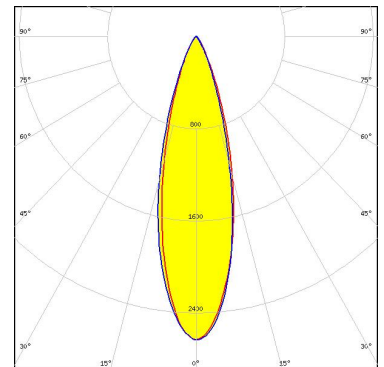
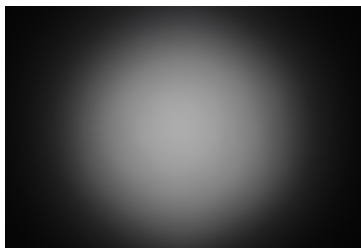


LED NCSxx19A
FWHM 25.0°
Efficiency 89 %
Peak intensity 2.780 cd/lm
LEDs/each optic 1
Light colour White
Required components:



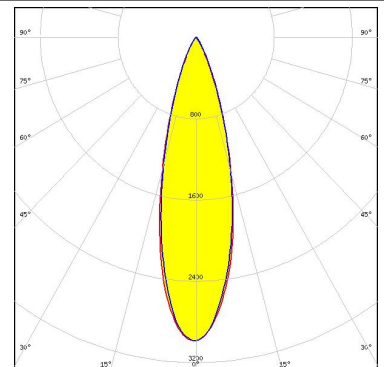
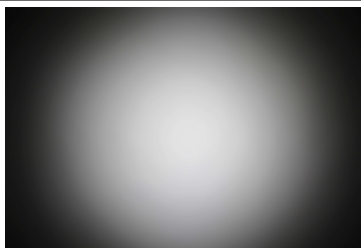
SAMSUNG

LED LH181A
FWHM 28.0°
Efficiency 80 %
Peak intensity 2.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

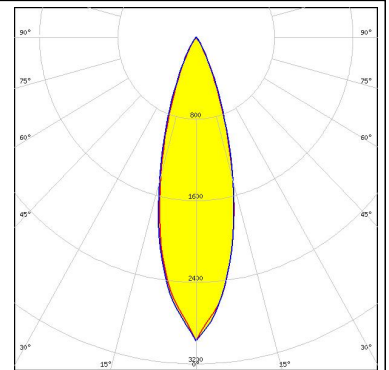
LED LH181B
FWHM 28.0°
Efficiency 86 %
Peak intensity 3.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:



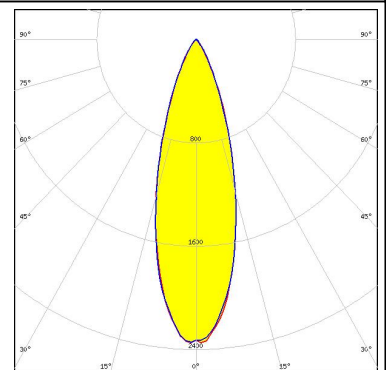
PHOTOMETRIC DATA (SIMULATED):



LED LUXEON SunPlus 20 Line (150 deg)
FWHM 30.0°
Efficiency 88 %
Peak intensity 3.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSxx19A
FWHM 32.0°
Efficiency 84 %
Peak intensity 2.374 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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