

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 ⓘ

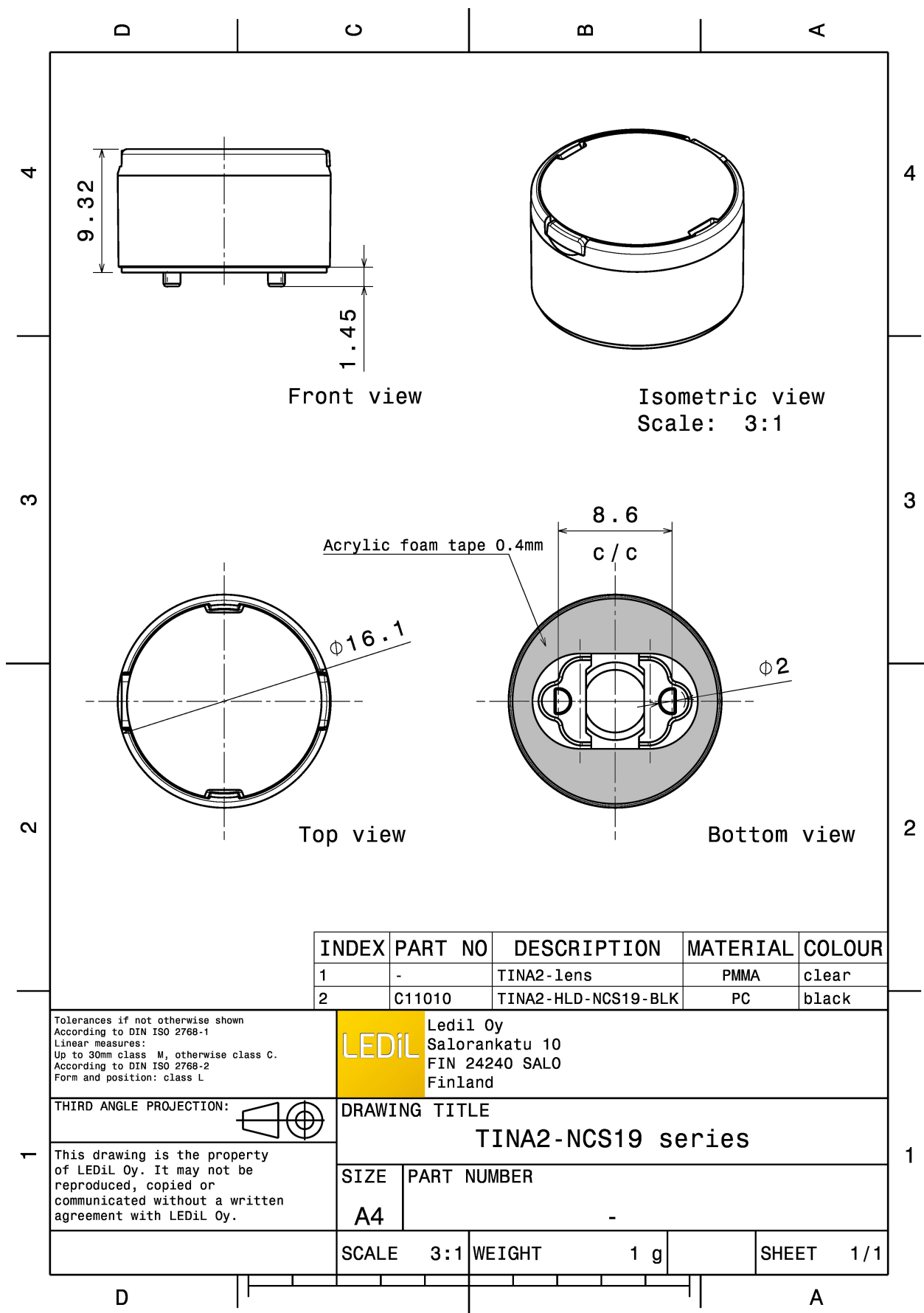


MATERIALS:

Component	Type	Material	Colour	Finish	Length
TINA2-XP-D	Single lens	PMMA	clear		16.1
TINA2-HLD-NCS19-BLK	Holder	PC	black		16.1
TINA-TAPE3	Tape	Acrylic foam	black		16.0

ORDERING INFORMATION:

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

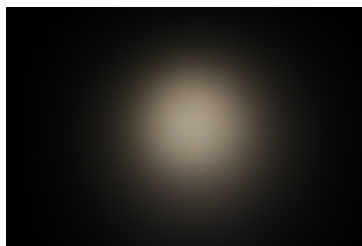


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

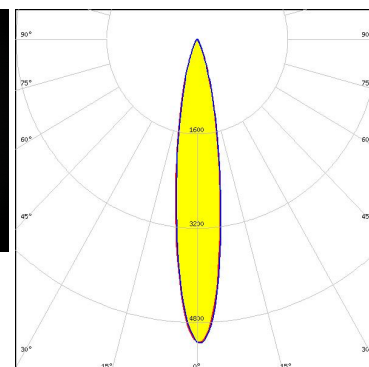
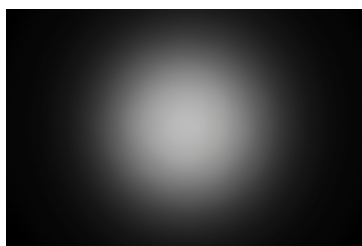


LED NCSxx19A
FWHM / FWTM 14.0° / 43.0°
Efficiency 92 %
Peak intensity 7.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



SAMSUNG

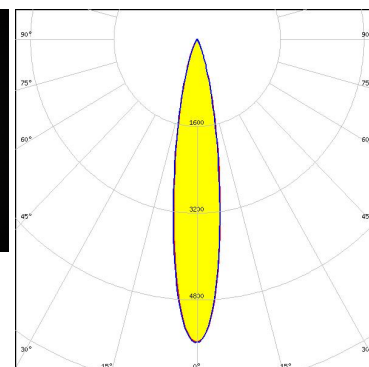
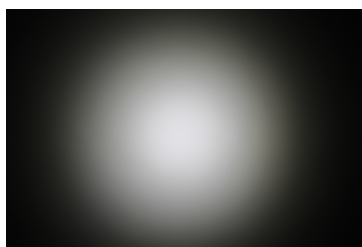
LED LH181A
FWHM / FWTM 17.0° / 39.0°
Efficiency 82 %
Peak intensity 5.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

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

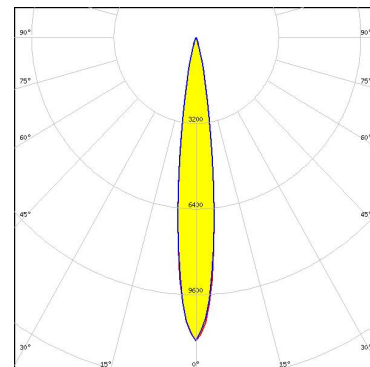


Light distribution files

OPTICAL RESULTS (SIMULATED):



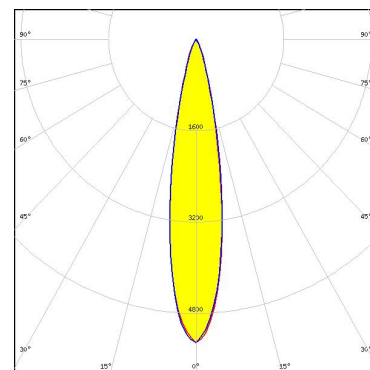
LED NVSxE21A
FWHM / FWTM 14.0° / 28.0°
Efficiency 90 %
Peak intensity 11.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



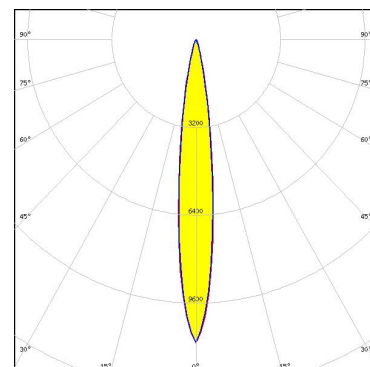
LED NVSxx19A
FWHM / FWTM 20.0° / 39.0°
Efficiency 88 %
Peak intensity 5.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



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

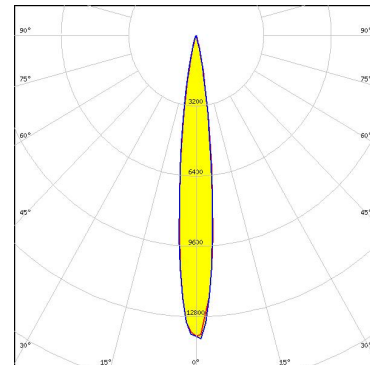


Light distribution files

OPTICAL RESULTS (SIMULATED):



LED Z8Y15
 FWHM / FWTM 13.0° / 25.0°
 Efficiency 91 %
 Peak intensity 14.3 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

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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