

TINA2-M

~30° medium 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 ⓘ |

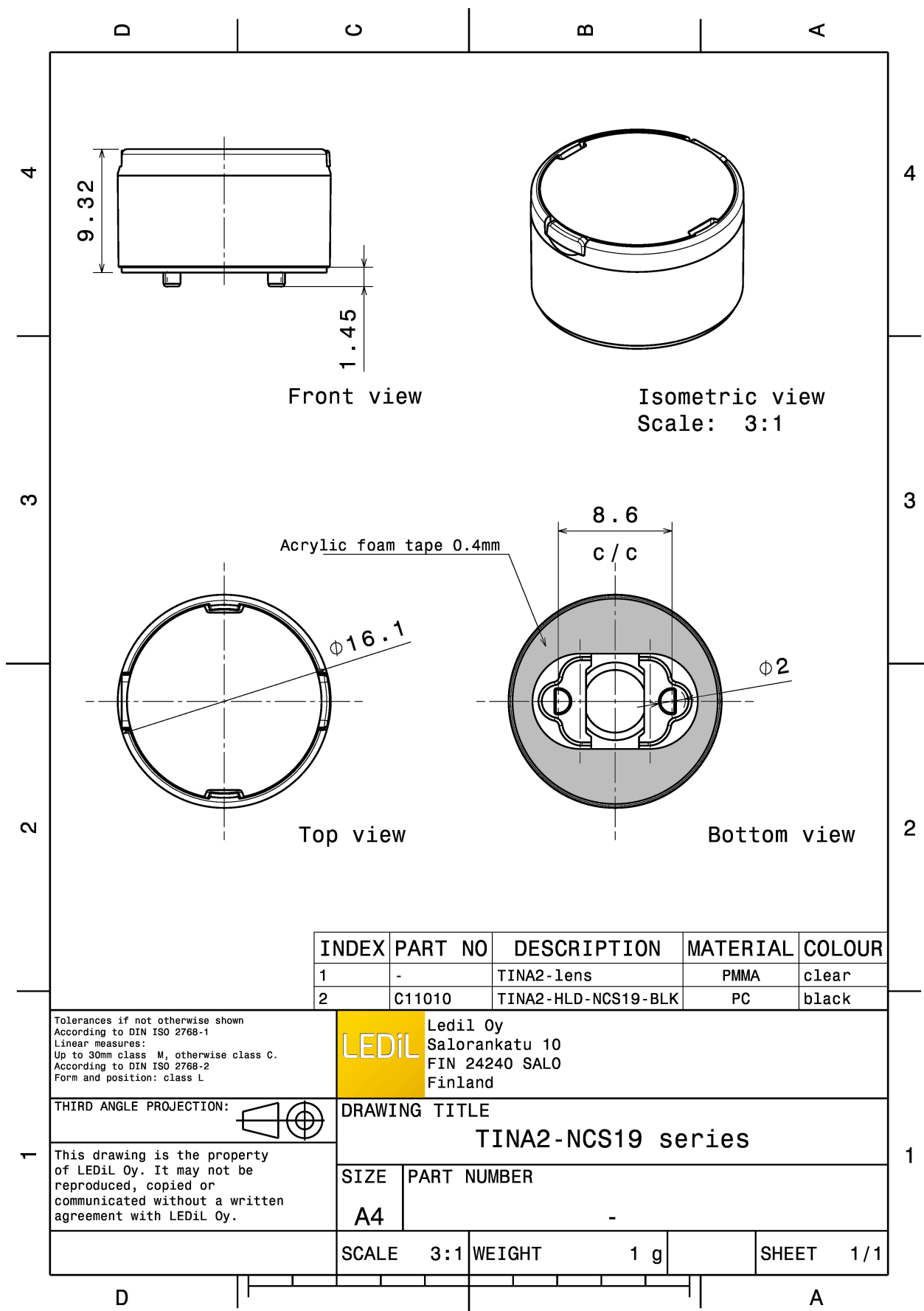


MATERIALS:

| Component | Type | Material | Colour | Finish | Length (mm) |
|---------------------|-------------|--------------|--------|--------|-------------|
| 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 » Box size: 451 x 241 x 298 mm | 4140 | 0 | 230 | 0.0 |

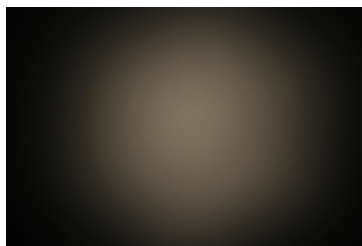


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



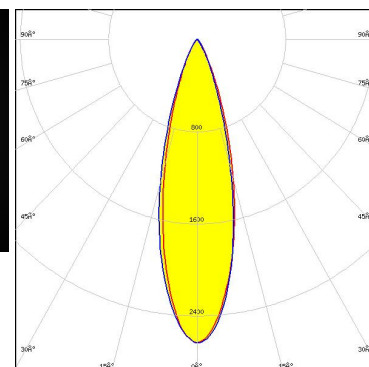
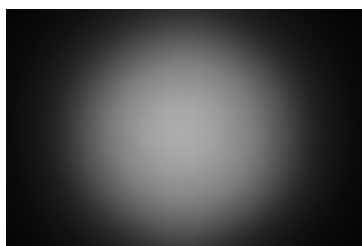
LED NCSxx19A
FWHM / FWTM 25.0° / 51.0°
Efficiency 89 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

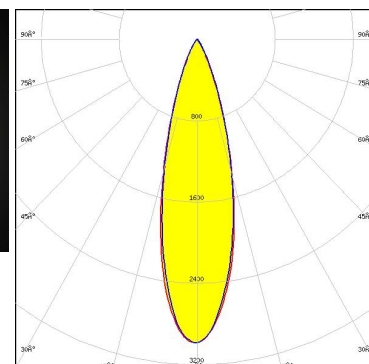
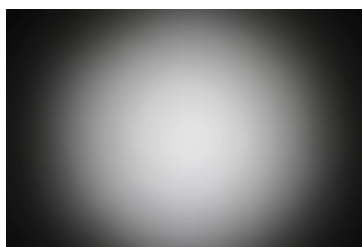
LED LH181A
FWHM / FWTM 28.0° / 54.0°
Efficiency 80 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

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

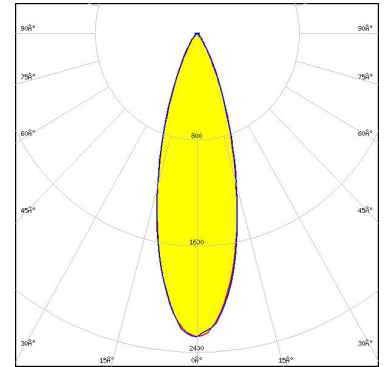


Light distribution files

OPTICAL RESULTS (SIMULATED):



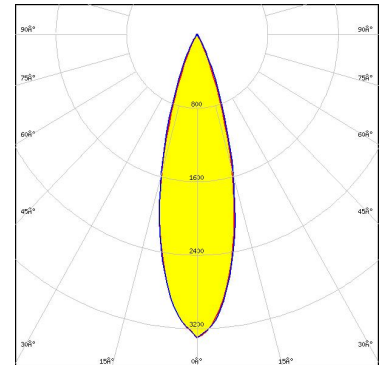
LED XP-G3
 FWHM / FWTM 32.0° / 59.0°
 Efficiency 84 %
 Peak intensity 2.3 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



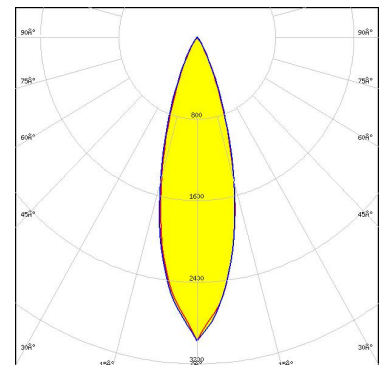
LED LUXEON HL1Z
 FWHM / FWTM 28.0 + 29.0° / 48.0 + 52.0°
 Efficiency 90 %
 Peak intensity 3.3 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON SunPlus 20 Line (150 deg)
 FWHM / FWTM 30.0° / 54.0°
 Efficiency 88 %
 Peak intensity 3 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:

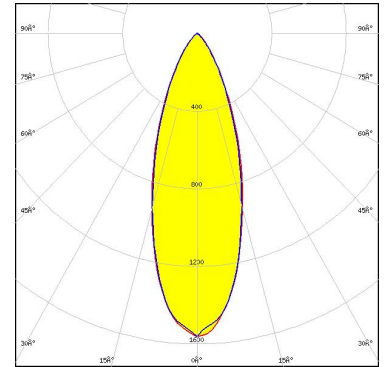


Light distribution files

OPTICAL RESULTS (SIMULATED):



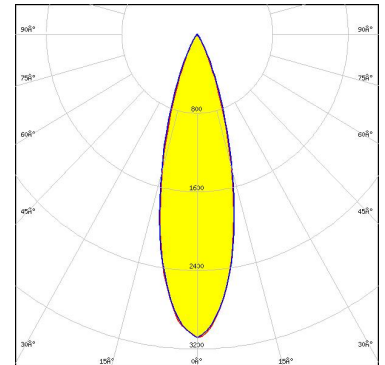
LED NCSxE17A
FWHM / FWTM 35.0° / 70.0°
Efficiency 79 %
Peak intensity 1.6 cd/lm
LEDs/each optic 4
Light colour/type White
Required components:



Light distribution files



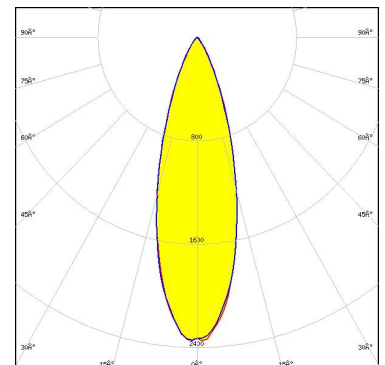
LED NVSxE21A
FWHM / FWTM 28.0° / 53.0°
Efficiency 88 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NVSxx19A
FWHM / FWTM 32.0° / 59.0°
Efficiency 84 %
Peak intensity 2.4 cd/lm
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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