

TINA2-WW

~60° wide beam optimized for Nichia NS6x83.
Assembly with holder and installation tape.

SPECIFICATION:

| | |
|----------------|--------|
| Dimensions | Ø 16.1 |
| Height | 11 mm |
| Fastening | tape |
| ROHS compliant | yes ⓘ |

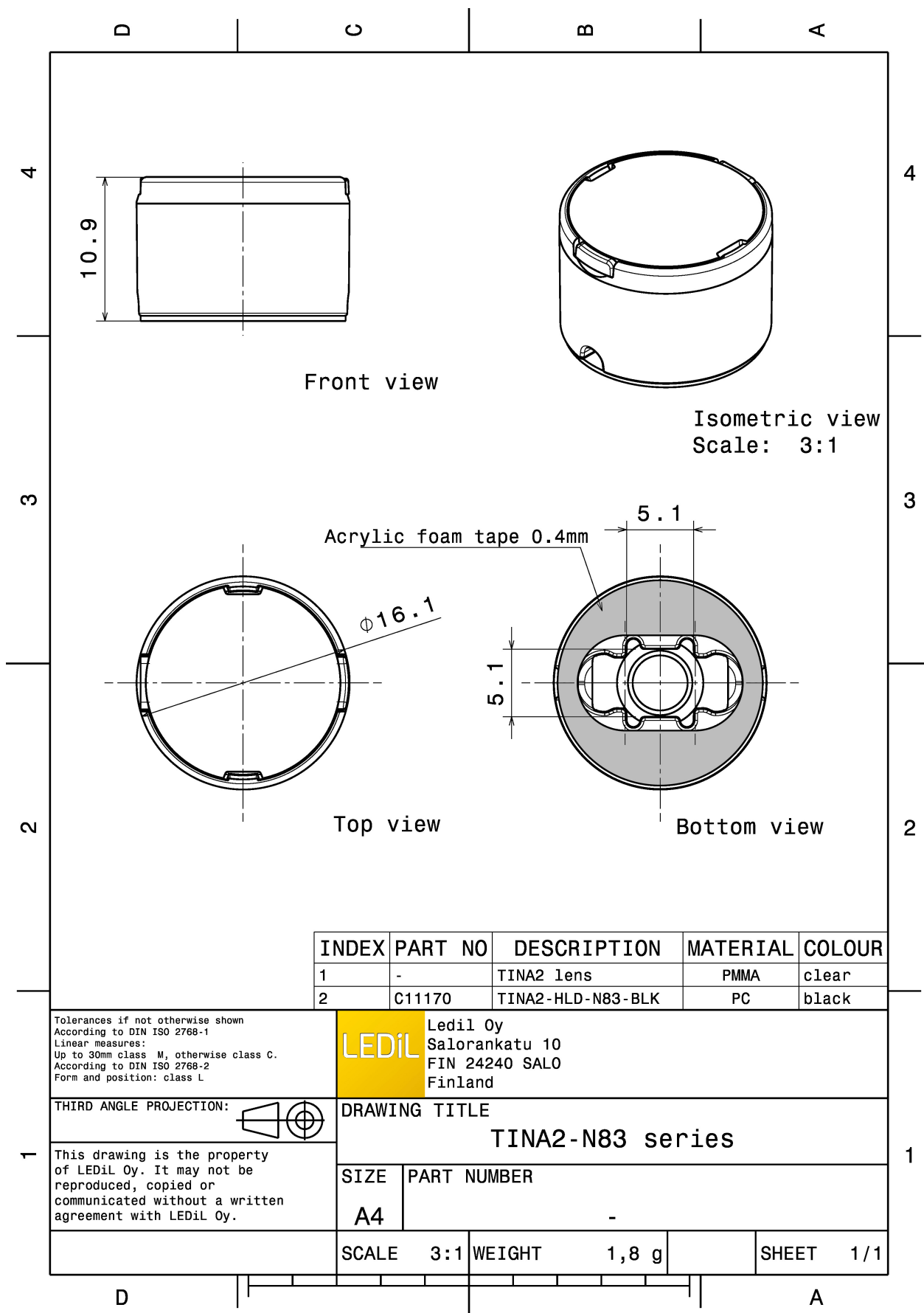


MATERIALS:

| Component | Type | Material | Colour | Finish | Length (mm) |
|-------------------|-------------|--------------|--------|--------|-------------|
| TINA2-WW-6N83 | Single lens | PMMA | clear | | |
| TINA2-HLD-N83-BLK | Holder | PC | black | | |
| TINA-TAPE3 | Tape | Acrylic foam | black | | |

ORDERING INFORMATION:

| Component | Qty in box | MOQ | MPQ | Box weight (kg) |
|--|------------|-----|-----|-----------------|
| CA11176_TINA2-WW » Box size: 451 x 241 x 298 mm | 4140 | | 230 | 0.0 |

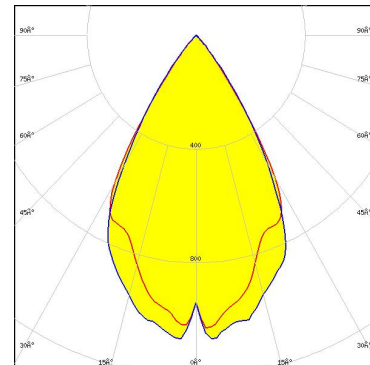


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



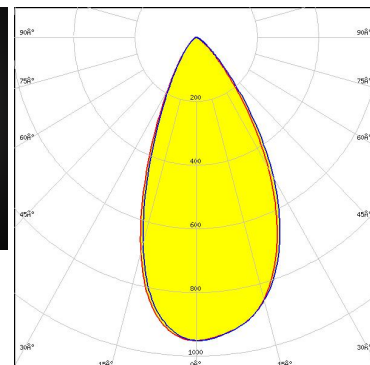
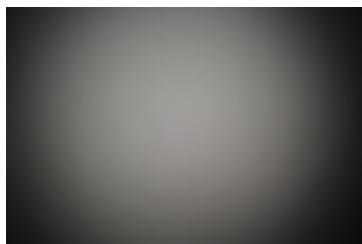
LED MX-6
 FWHM / FWTM 56.0° / 86.0°
 Efficiency %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON V
 FWHM / FWTM 51.0° / 82.0°
 Efficiency 76 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NS3x83
 FWHM / FWTM 60.0° / 90.0°
 Efficiency 87 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files

OPTICAL RESULTS (MEASURED):

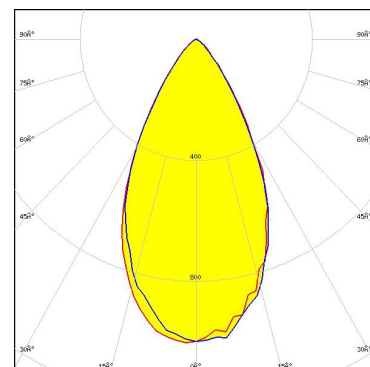


LED NS6x83
 FWHM / FWTM 60.0° / 90.0°
 Efficiency 87 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files



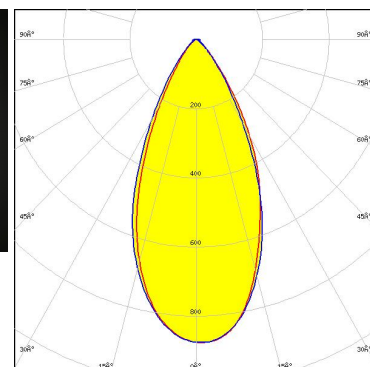
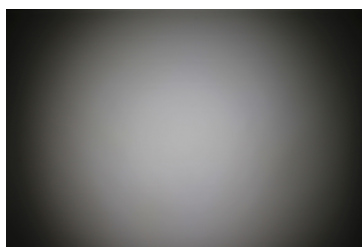
LED OLP-x5050F6L
 FWHM / FWTM 55.0° / 86.0°
 Efficiency 86 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LH508A
 FWHM / FWTM 48.0° / 80.0°
 Efficiency 64 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

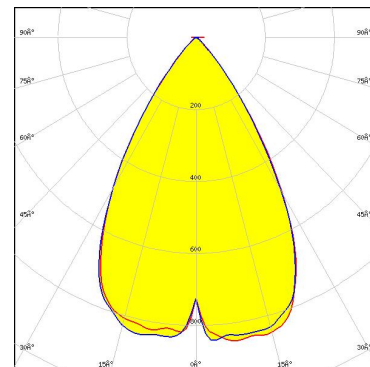


Light distribution files

OPTICAL RESULTS (SIMULATED):



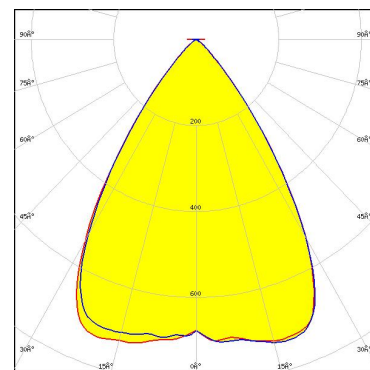
LED XHP35 HI
FWHM / FWTM 63.0° / 86.0°
Efficiency 87 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



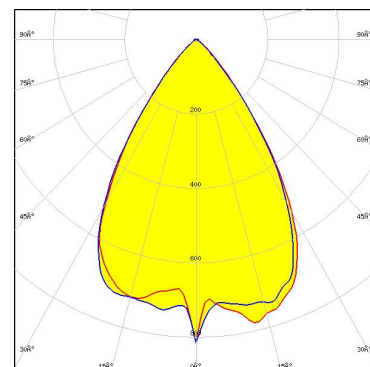
LED XP-G3
FWHM / FWTM 68.0° / 90.0°
Efficiency 88 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-L HD
FWHM / FWTM 67.0° / 91.0°
Efficiency 89 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

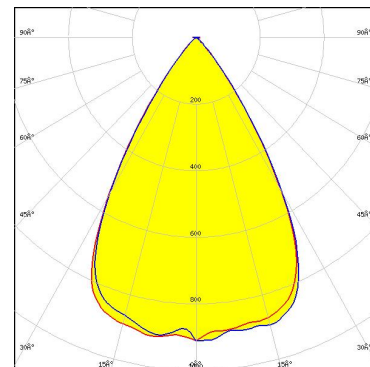


Light distribution files

OPTICAL RESULTS (SIMULATED):



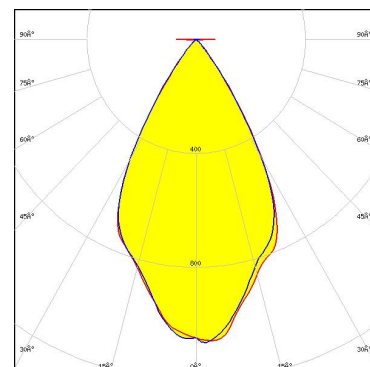
LED XP-L HI
 FWHM / FWTM 64.0° / 84.0°
 Efficiency 92 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



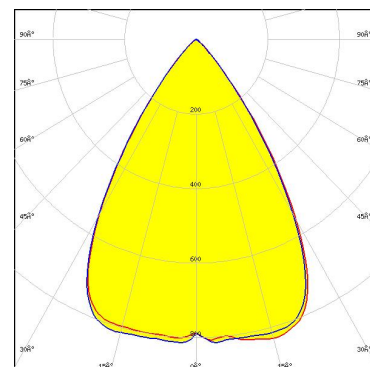
LED LUXEON C
 FWHM / FWTM 58.0° / 78.0°
 Efficiency 83 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON HL2X
 FWHM / FWTM 66.0° / 88.0°
 Efficiency 92 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

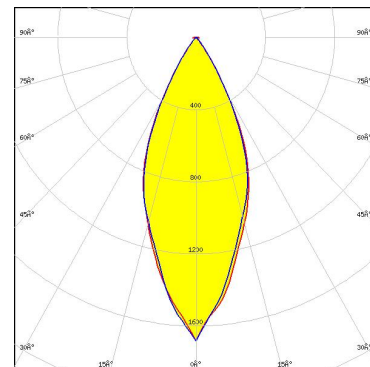


Light distribution files

OPTICAL RESULTS (SIMULATED):



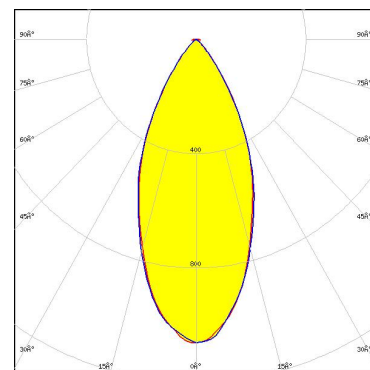
LED NCSxE17A
 FWHM / FWTM 42.0° / 70.0°
 Efficiency 85 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



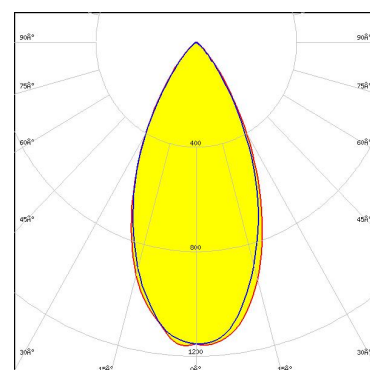
LED NCSxE17A
 FWHM / FWTM 46.0° / 80.0°
 Efficiency 72 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 4
 Light colour/type White
 Required components:



Light distribution files



LED Duris S8
 FWHM / FWTM 49.0° / 82.0°
 Efficiency 86 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

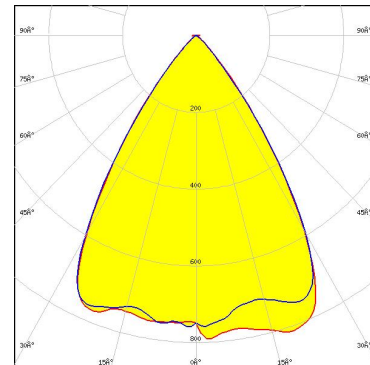


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

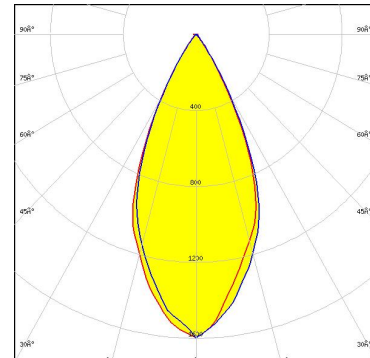
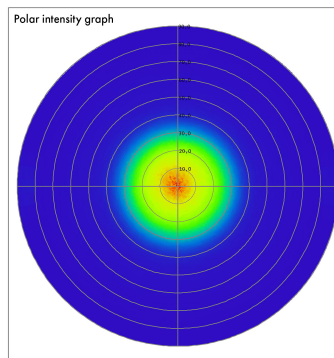
LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 70.0° / 88.0°
Efficiency 92 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

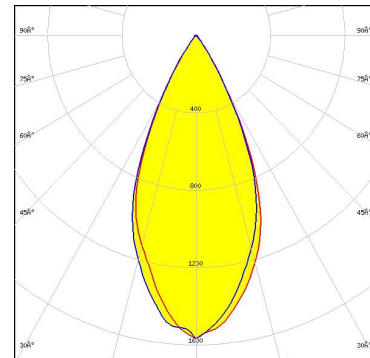
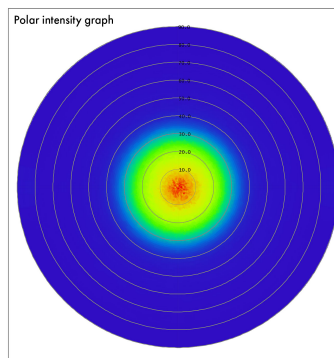
LED SFH 4715AS
FWHM / FWTM 47.0° / 69.0°
Efficiency 91 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED SFH 4725AS
FWHM / FWTM 47.0° / 69.0°
Efficiency 90 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files

OPTICAL RESULTS (SIMULATED):

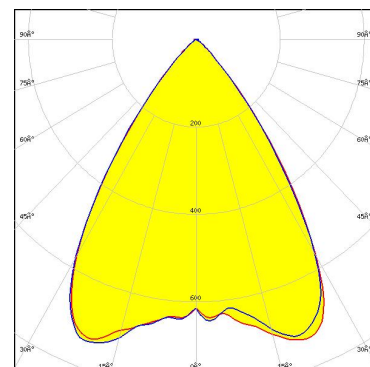
SAMSUNG

| | |
|----------------------|---------------|
| LED | LH181B |
| FWHM / FWTM | 49.1° / 74.2° |
| Efficiency | 88 % |
| Peak intensity | 1.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |

Light distribution files

SAMSUNG

| | |
|----------------------|---------------|
| LED | LH351B |
| FWHM / FWTM | 70.0° / 92.0° |
| Efficiency | 90 % |
| Peak intensity | 0.8 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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