

TINA2-SS

~20° smooth spot beam. Assembly with holder, installation tape and location pins.

SPECIFICATION:

| | |
|----------------|-----------|
| Dimensions | Ø 16.0 mm |
| Height | 9.3 mm |
| Fastening | tape, pin |
| ROHS compliant | yes ⓘ |

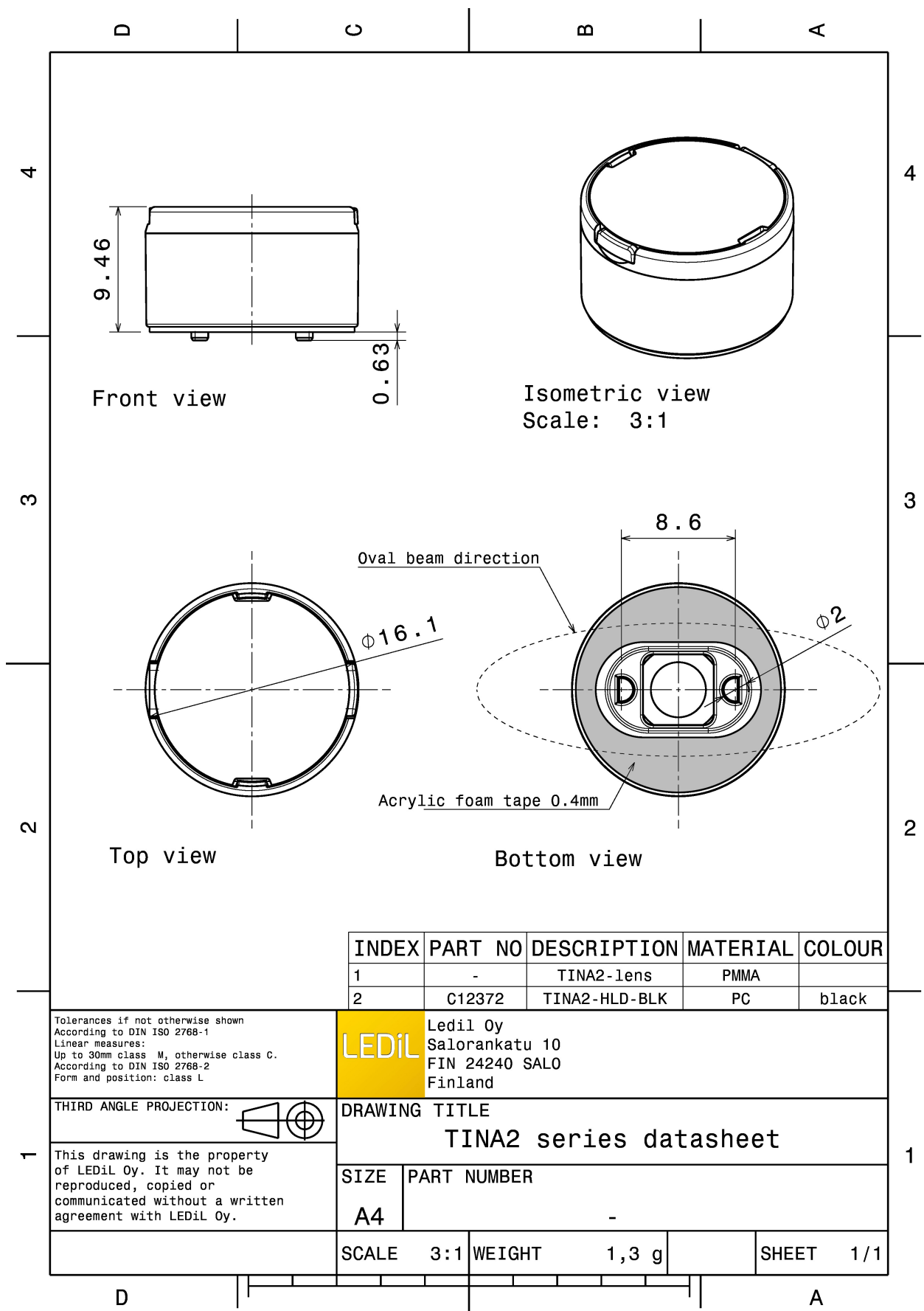
MATERIALS:

| Component | Type | Material | Colour | Finish |
|---------------|-------------|--------------|--------|--------|
| TINA2-SS | Single lens | PMMA | clear | |
| TINA2-HLD-BLK | Holder | PC | black | |
| TINA-TAPE3 | Tape | Acrylic foam | black | |



ORDERING INFORMATION:

| Component | | Qty in box | MOQ | MPQ | Box weight (kg) |
|------------------|-------------|------------|-----|-----|-----------------|
| CA12376_TINA2-SS | Single lens | 4140 | 230 | 230 | 8.6 |
| » Box size: | | | | | |

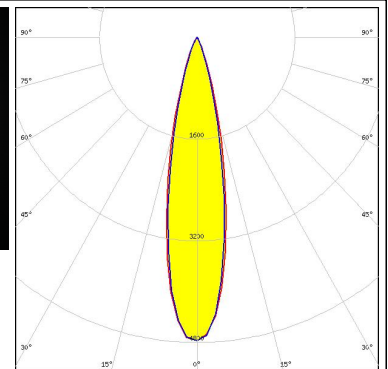
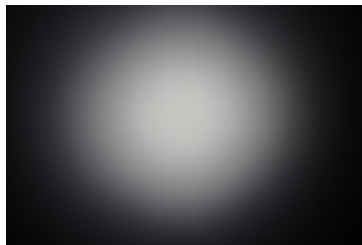


See also our general installation guide: www.ledil.com/installation_guide

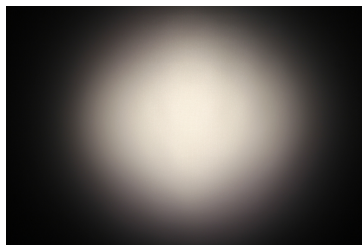
OPTICAL RESULTS (MEASURED):



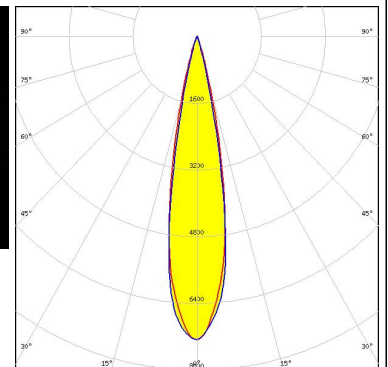
LED XB-H
FWHM / FWTM 22.0° / 41.0°
Efficiency 87 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



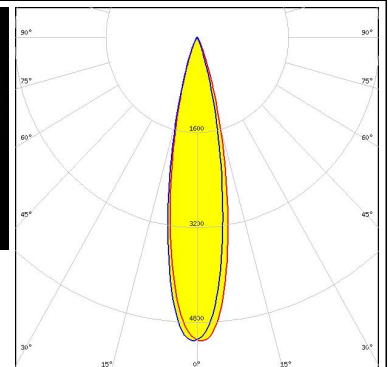
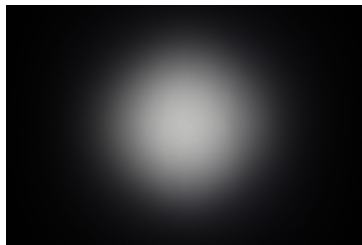
LED XQ-E HD
FWHM / FWTM 22.0° / 39.0°
Efficiency 85 %
Peak intensity 6.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON CZ
FWHM / FWTM 20.0° / 33.0°
Efficiency 91 %
Peak intensity 7.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



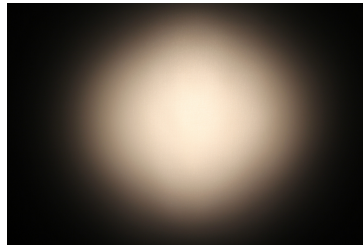
LED LUXEON TX
FWHM / FWTM 22.0° / 40.0°
Efficiency 89 %
Peak intensity 5.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



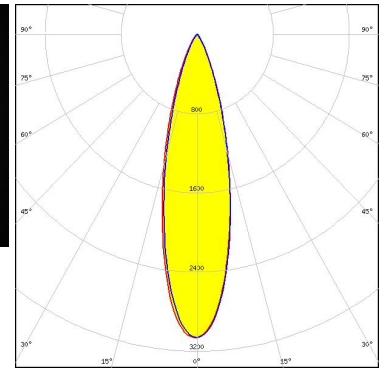
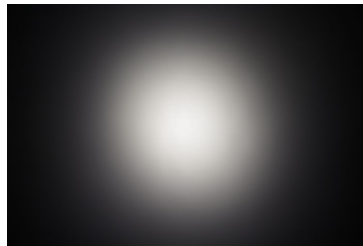
OPTICAL RESULTS (MEASURED):



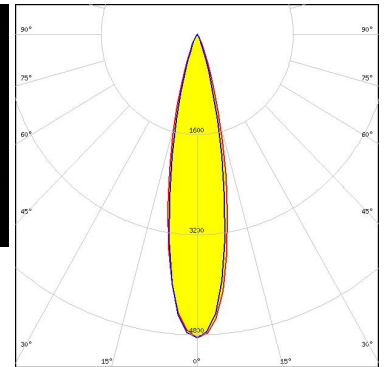
LED LUXEON Z ES
FWHM / FWTM 21.0° / 37.0°
Efficiency 88 %
Peak intensity 6.9 cd/m
LEDs/each optic 1
Light colour White
Required components:



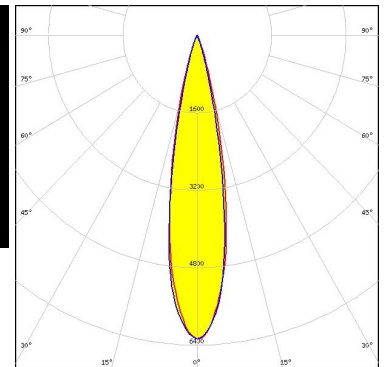
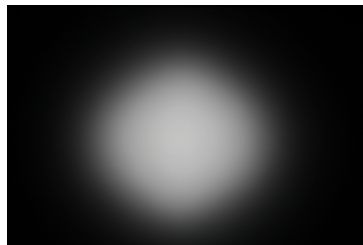
LED NWSx229A
FWHM / FWTM 26.0° / 52.0°
Efficiency 86 %
Peak intensity 3.1 cd/m
LEDs/each optic 1
Light colour White
Required components:



LED OSLON Square EC
FWHM / FWTM 23.0° / 40.0°
Efficiency 85 %
Peak intensity 4.1 cd/m
LEDs/each optic 1
Light colour White
Required components:



LED OSLON SSL 150
FWHM / FWTM 22.0° / 37.0°
Efficiency 89 %
Peak intensity 6.3 cd/m
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (MEASURED):

OSRAM

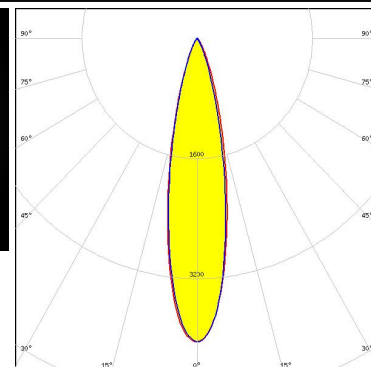
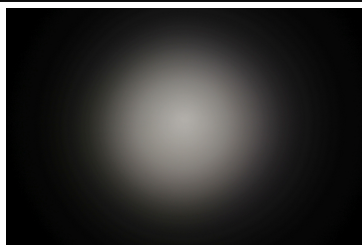
Opto Semiconductors

LED SFH 4725S
FWHM / FWTM 20.0° / 39.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

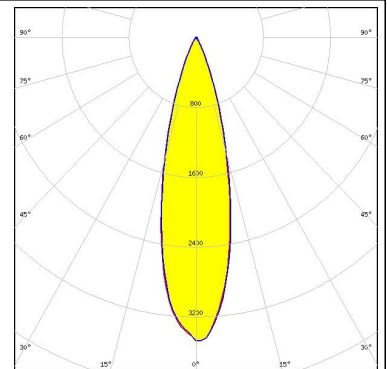
LED Z5M3
FWHM / FWTM 23.0° / 45.0°
Efficiency 87 %
Peak intensity 4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



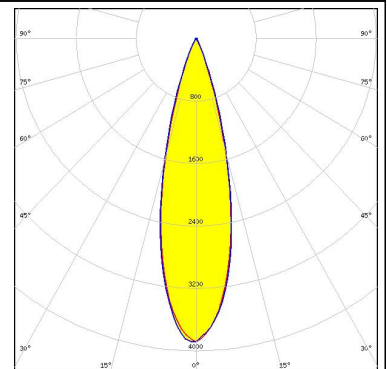
OPTICAL RESULTS (SIMULATED):



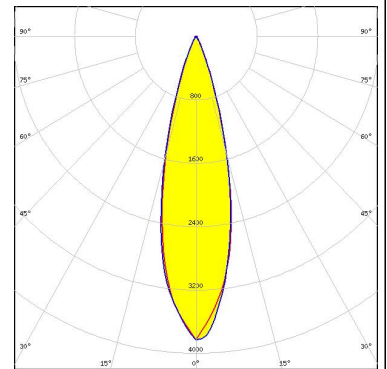
LED XB-D
FWHM / FWTM 26.0° / 49.0°
Efficiency 88 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XE-G
FWHM / FWTM 27.0° / 46.0°
Efficiency 91 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON C
FWHM / FWTM 26.0° / 45.0°
Efficiency 93 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

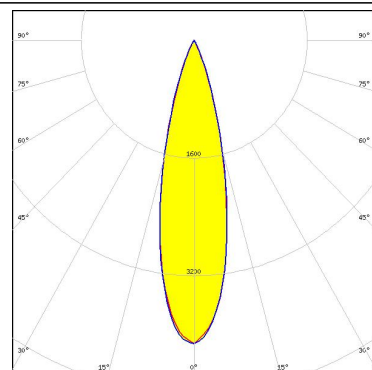


LED LUXEON IR Compact
FWHM / FWTM 26.0° / 44.0°
Efficiency 84 %
LEDs/each optic 1
Light colour White
Required components:

OPTICAL RESULTS (SIMULATED):

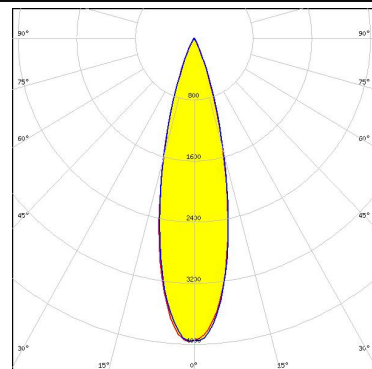
LUMILEDS

LED LUXEON Rubix
FWHM / FWTM 26.0° / 45.0°
Efficiency 92 %
Peak intensity 4.1 cd/Im
LEDs/each optic 1
Light colour Red
Required components:



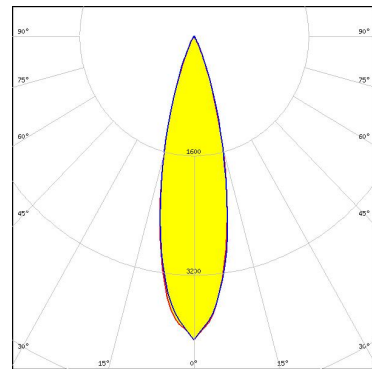
LUMILEDS

LED LUXEON Rubix
FWHM / FWTM 26.0° / 46.0°
Efficiency 92 %
Peak intensity 4 cd/Im
LEDs/each optic 1
Light colour White
Required components:



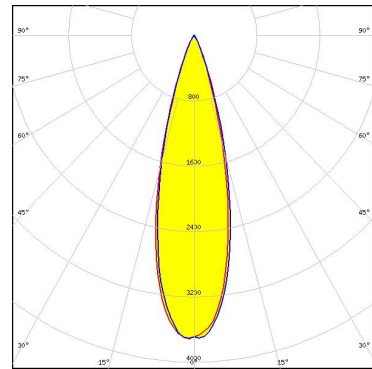
LUMILEDS

LED LUXEON Rubix
FWHM / FWTM 26.0° / 46.0°
Efficiency 92 %
Peak intensity 4.1 cd/Im
LEDs/each optic 1
Light colour Blue
Required components:



NICHIA

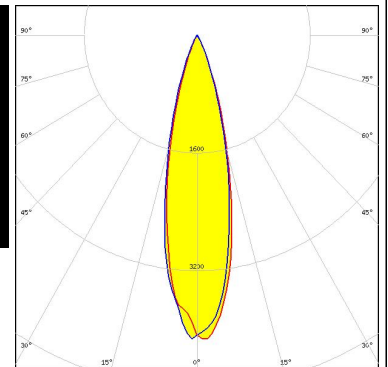
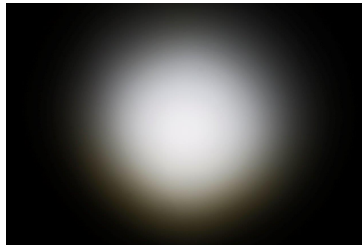
LED NFSx757G
FWHM / FWTM 27.0° / 47.0°
Efficiency 92 %
Peak intensity 3.7 cd/Im
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

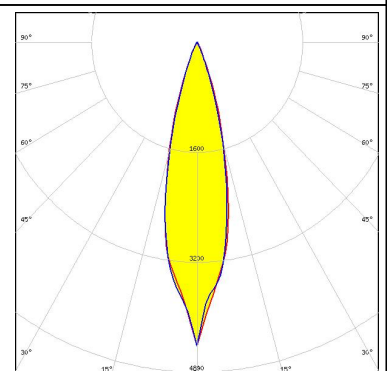
OSRAM Opto Semiconductors

LED Duris S5 (2 chip)
FWHM / FWTM 25.0° / 46.0°
Efficiency 92 %
Peak intensity 4.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



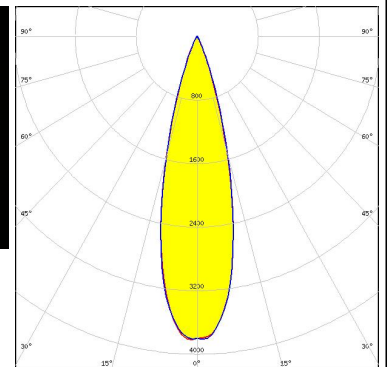
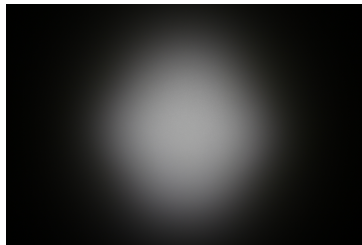
OSRAM Opto Semiconductors

LED OSCONIQ P 3030
FWHM / FWTM 24.0° / 45.0°
Efficiency 91 %
Peak intensity 4.4 cd/lm
LEDs/each optic 1
Light colour Blue
Required components:



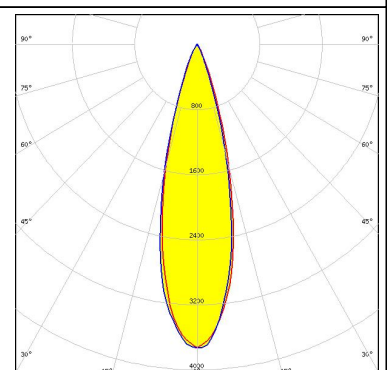
OSRAM Opto Semiconductors

LED OSOLON Square Flat
FWHM / FWTM 27.0° / 45.0°
Efficiency 90 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM Opto Semiconductors

LED OSOLON SSL 80
FWHM / FWTM 27.0° / 46.0°
Efficiency 90 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

| | |
|----------------------|---------------|
| LED | SFH 4770S |
| FWHM / FWTM | 24.0° / 44.0° |
| Efficiency | 86 % |
| Peak intensity | 4.1 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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