

TINA3-OO

~60° + 40° oval beam optimized for CREE XP-E.
Assembly with holder, installation tape and location pins.

SPECIFICATION:

Dimensions	Ø 16.1
Height	6.9 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

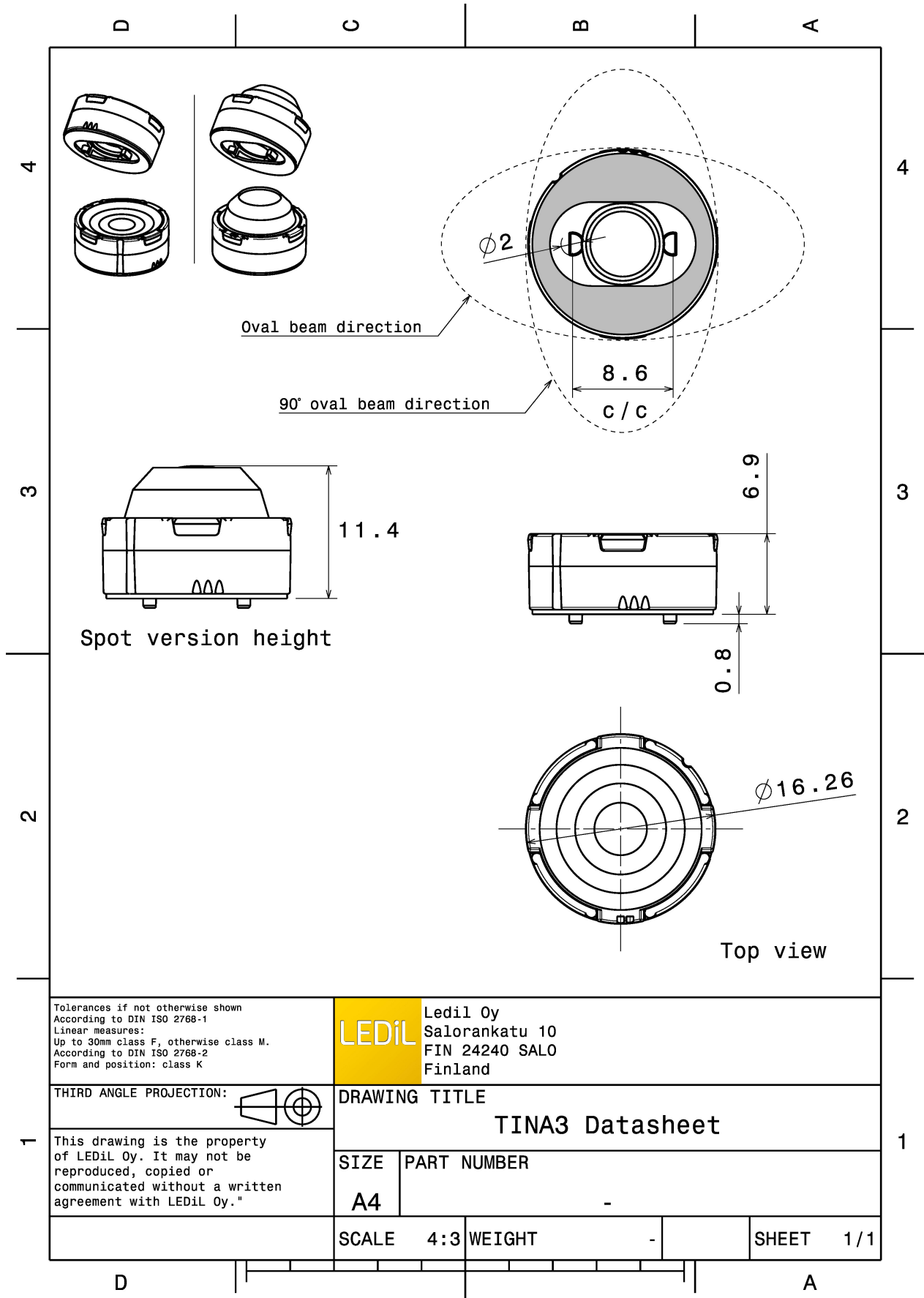


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
TINA3-OO	Single lens	PMMA	clear		
TINA3-HLD-PIN-TAPE-XP	Holder	PC	white		
TINA-TAPE3	Tape	Acrylic foam	black		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
FA11870_TINA3-OO » Box size: 470 x 240 x 105 mm	2016	288	288	3.1



Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class F, otherwise class M.
According to DIN ISO 2768-2
Form and position: class K



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THIRD ANGLE PROJECTION:

DRAWING TITLE

TINA3 Datasheet

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SIZE PART NUMBER

A4

-

SCALE 4:3 WEIGHT

-

SHEET 1/1

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

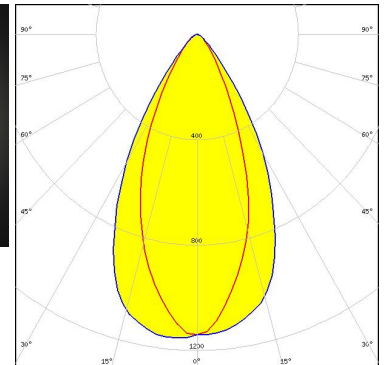
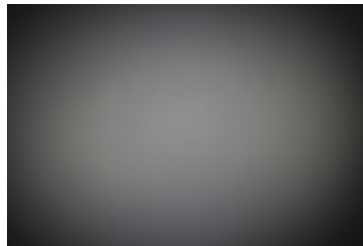
OPTICAL RESULTS (MEASURED):



LED XB-D
FWHM / FWTM 54.0 + 42.0° / 82.0 + 72.0°
Efficiency 91 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



LED XB-H
FWHM / FWTM 59.0 + 43.0° / 88.0 + 77.0°
Efficiency 88 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

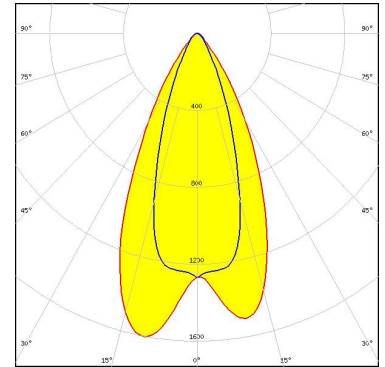


LED XP-E
FWHM / FWTM 52.0 + 35.0° / 76.0 + 54.0°
Efficiency 93 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

OPTICAL RESULTS (MEASURED):



LED XP-G
FWHM / FWTM 51.0 + 39.0° / 81.0 + 65.0°
Efficiency 93 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON A
FWHM / FWTM 46.0 + 60.0° / 72.0 + 82.0°
Efficiency %
LEDs/each optic 1
Light colour/type White
Required components:

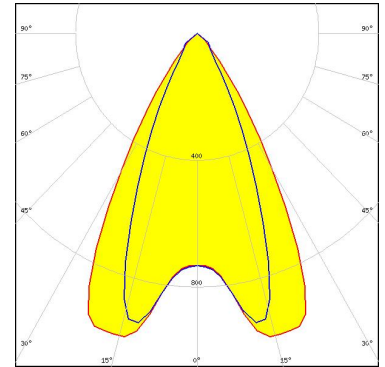


LED LUXEON Rebel
FWHM / FWTM 58.0 + 38.0° / 76.0 + 72.0°
Efficiency 83 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

OPTICAL RESULTS (MEASURED):



LED LUXEON Rebel ES
 FWHM / FWTM 60.0 + 46.0° / 82.0 + 72.0°
 Efficiency 92 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



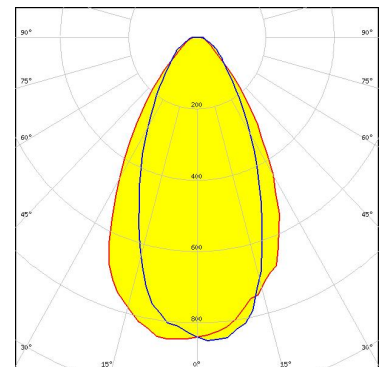
Light distribution files



LED NVSxx19A
 FWHM / FWTM 62.0 + 48.0° / 88.0 + 84.0°
 Efficiency 93 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



LED OSLOM Square EC
 FWHM / FWTM 62.0 + 50.0° / 108.0 + 102.0°
 Efficiency 87 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED OSLON SSL 150
FWHM / FWTM 53.0 + 36.0° / 76.0 + 64.0°
Efficiency 90 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

OSRAM
Opto Semiconductors

LED OSLON SSL 80
FWHM / FWTM 36.0 + 52.0° / 62.0 + 74.0°
Efficiency 88 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

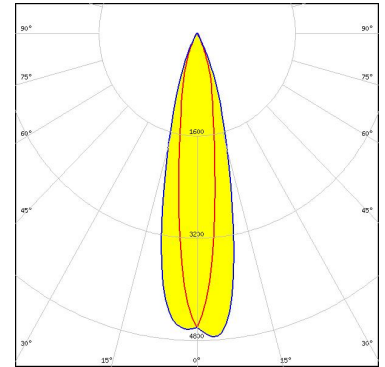
SetPlotAreaWidth(0): X range error - min >= max

Light distribution files

OPTICAL RESULTS (SIMULATED):



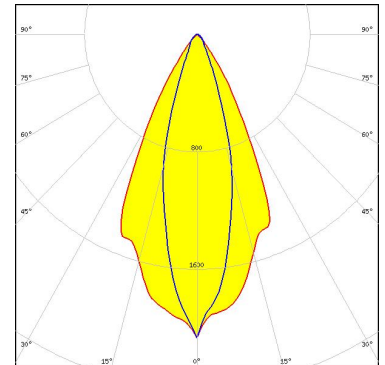
LED LUXEON 2835 Line
FWHM / FWTM 14.0 + 26.0° / 42.0 + 49.0°
Efficiency 94 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



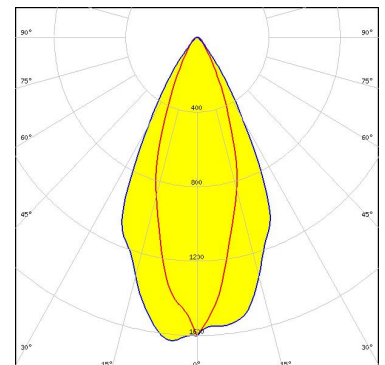
LED OSCONIQ P 3030
FWHM / FWTM 52.0 + 27.0° / 74.0 + 52.0°
Efficiency 94 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED OSLOM Square CSSRM2/CSSRM3
FWHM / FWTM 33.0 + 53.0° / 64.0 + 78.0°
Efficiency 94 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

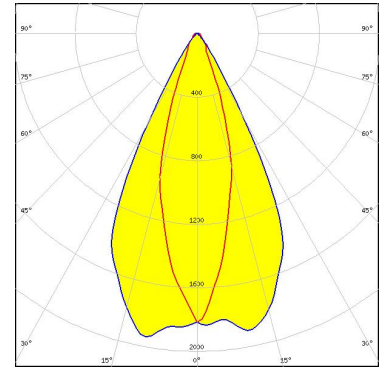


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

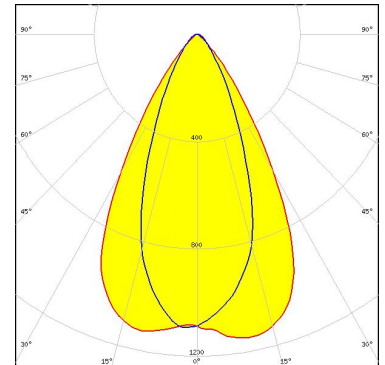
LED SYNIOS S2222
FWHM / FWTM 29.0 + 54.0° / 52.0 + 72.0°
Efficiency 95 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

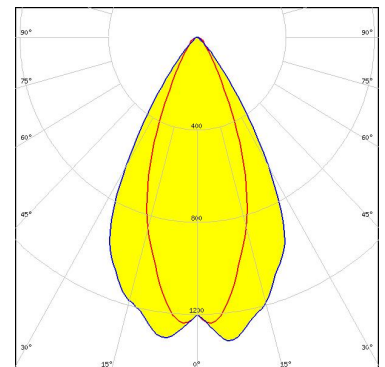
LED LH351B
FWHM / FWTM Asymmetric
Efficiency 93 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SEMI
SEOUL SEMICONDUCTOR

LED Z8Y22P
FWHM / FWTM 60.0 + 42.0°
Efficiency 94 %
Peak intensity 1.3 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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