

TINA2-M

~30° medium beam optimized for Nichia NS6x83.
Assembly with holder and installation tape.

SPECIFICATION:

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

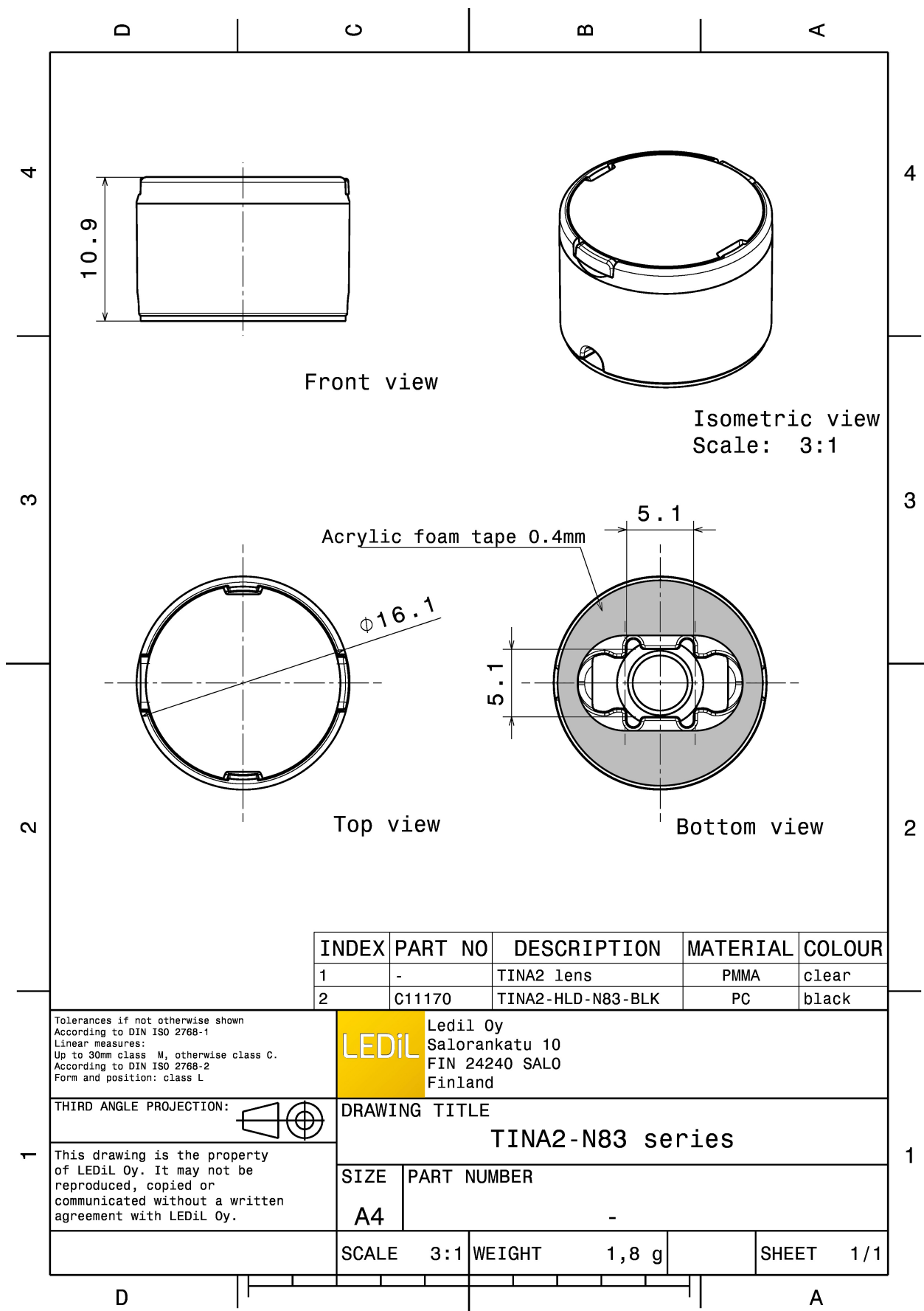


MATERIALS:

Component	Type	Material	Colour	Finish
TINA2-M	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)
CA11174_TINA2-M	Single lens	4140	230	230	8.4
» Box size: 451 x 241 x 298 mm					

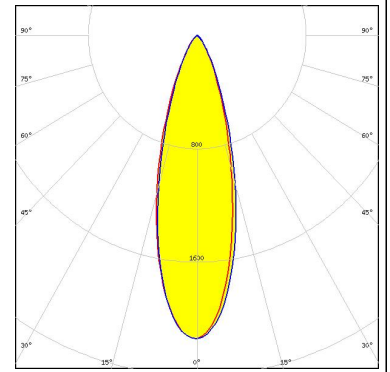


See also our general installation guide: www.ledil.com/installation_guide

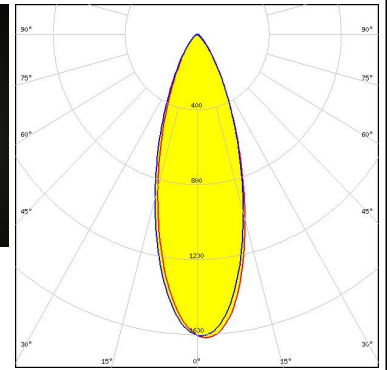
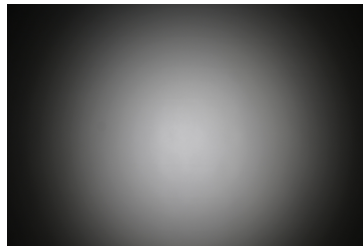
OPTICAL RESULTS (MEASURED):



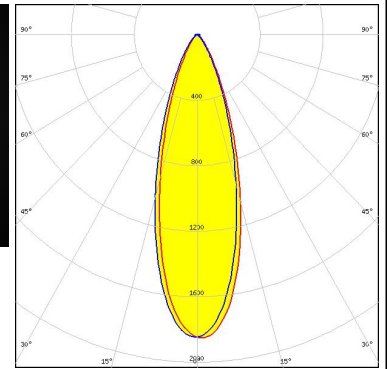
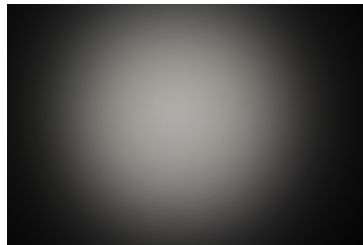
LED MX-6
FWHM / FWTM 30.0° / 60.0°
Efficiency 83 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON 5050 Round LES
FWHM / FWTM 34.0° / 69.0°
Efficiency 78 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON V
FWHM / FWTM 32.0° / 63.0°
Efficiency 75 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

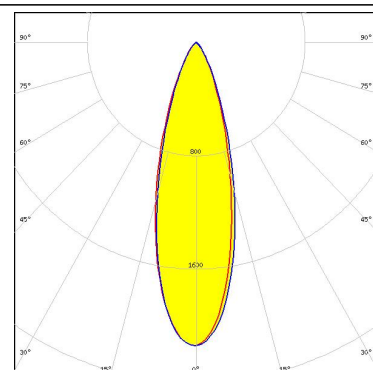


LED NS3x83
FWHM / FWTM 32.0° / 60.0°
Efficiency %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

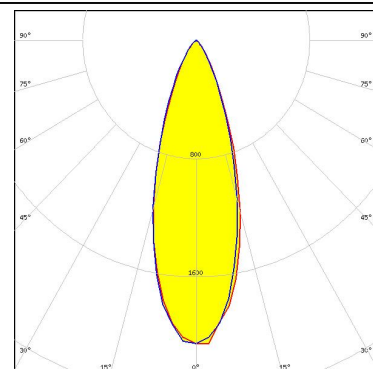
OPTICAL RESULTS (MEASURED):



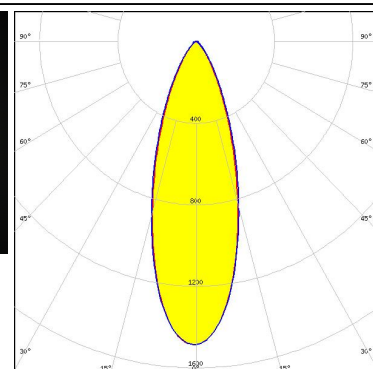
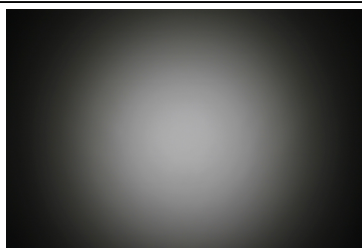
LED NS6x83
FWHM / FWTM 30.0° / 60.0°
Efficiency 85 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED OLP-x5050F6L
FWHM / FWTM 34.0° / 64.0°
Efficiency 86 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



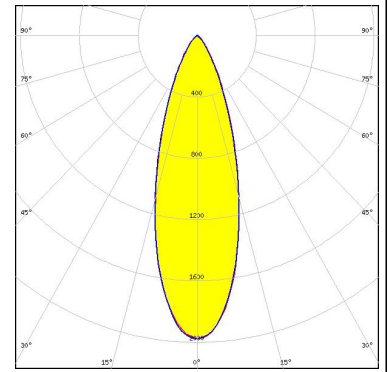
LED LH508A
FWHM / FWTM 33.0° / 68.0°
Efficiency 71 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



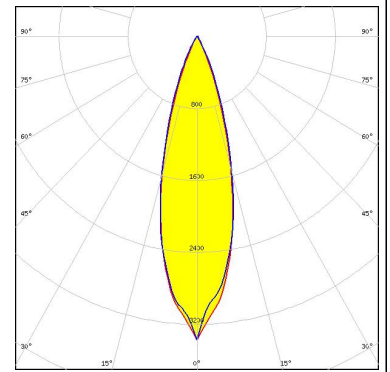
OPTICAL RESULTS (SIMULATED):



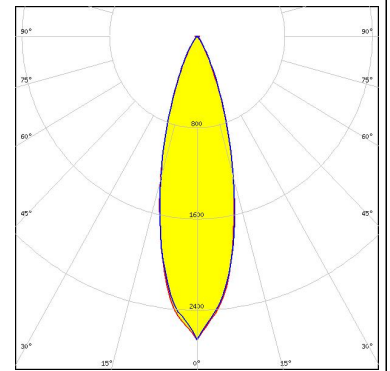
LED J Series 5050 Round LES
FWHM / FWTM 32.0° / 65.0°
Efficiency 83 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



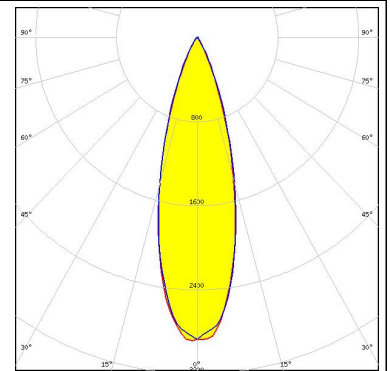
LED XP-E2
FWHM / FWTM 28.0° / 51.0°
Efficiency 90 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-G3
FWHM / FWTM 30.0° / 56.0°
Efficiency 84 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



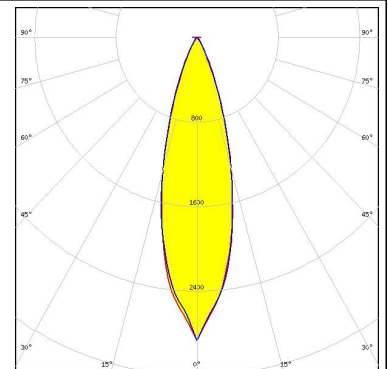
LED XP-L HI
FWHM / FWTM 30.0° / 54.0°
Efficiency 89 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



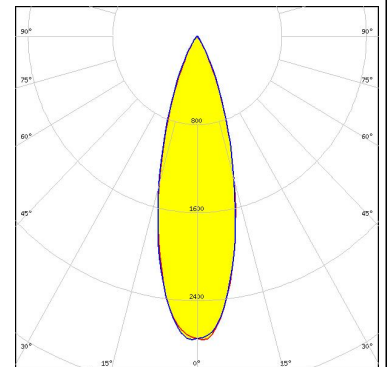
OPTICAL RESULTS (SIMULATED):



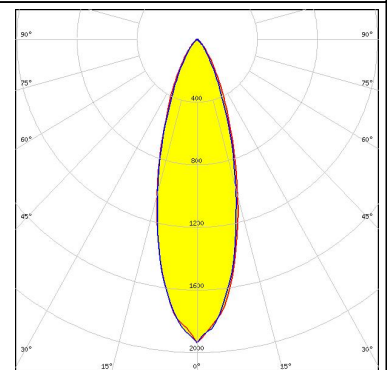
LED XT-E
FWHM / FWTM 28.0° / 52.0°
Efficiency 81 %
Peak intensity 2.9 cd/Im
LEDs/each optic 1
Light colour White
Required components:



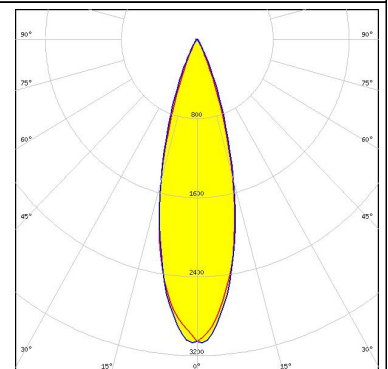
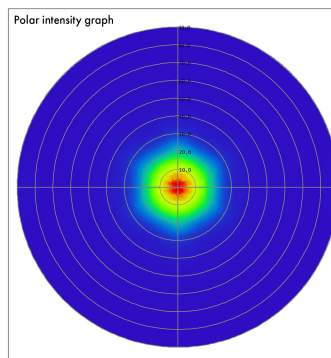
LED NVSW219F
FWHM / FWTM 30.0° / 55.0°
Efficiency 88 %
Peak intensity 2.8 cd/Im
LEDs/each optic 1
Light colour White
Required components:



LED Duris S8
FWHM / FWTM 31.0° / 65.0°
Efficiency 78 %
Peak intensity 1.9 cd/Im
LEDs/each optic 1
Light colour White
Required components:



LED SFH 4715AS
FWHM / FWTM 29.0° / 50.0°
Efficiency 87 %
LEDs/each optic 1
Light colour IR
Required components:

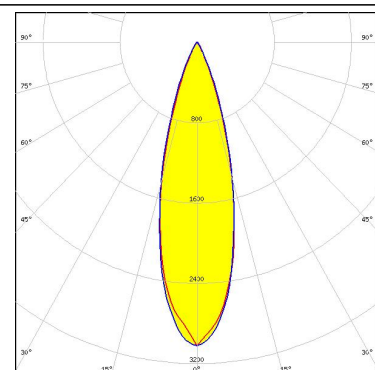
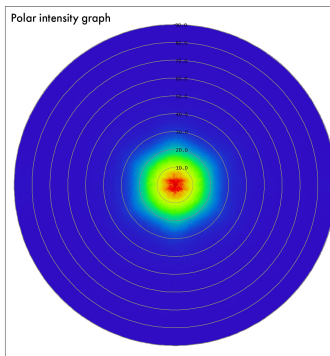


OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED SFH 4725AS
FWHM / FWTM 28.0° / 51.0°
Efficiency 86 %
LEDs/each optic 1
Light colour IR
Required components:

Polar intensity graph



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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