

TINA2-M

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

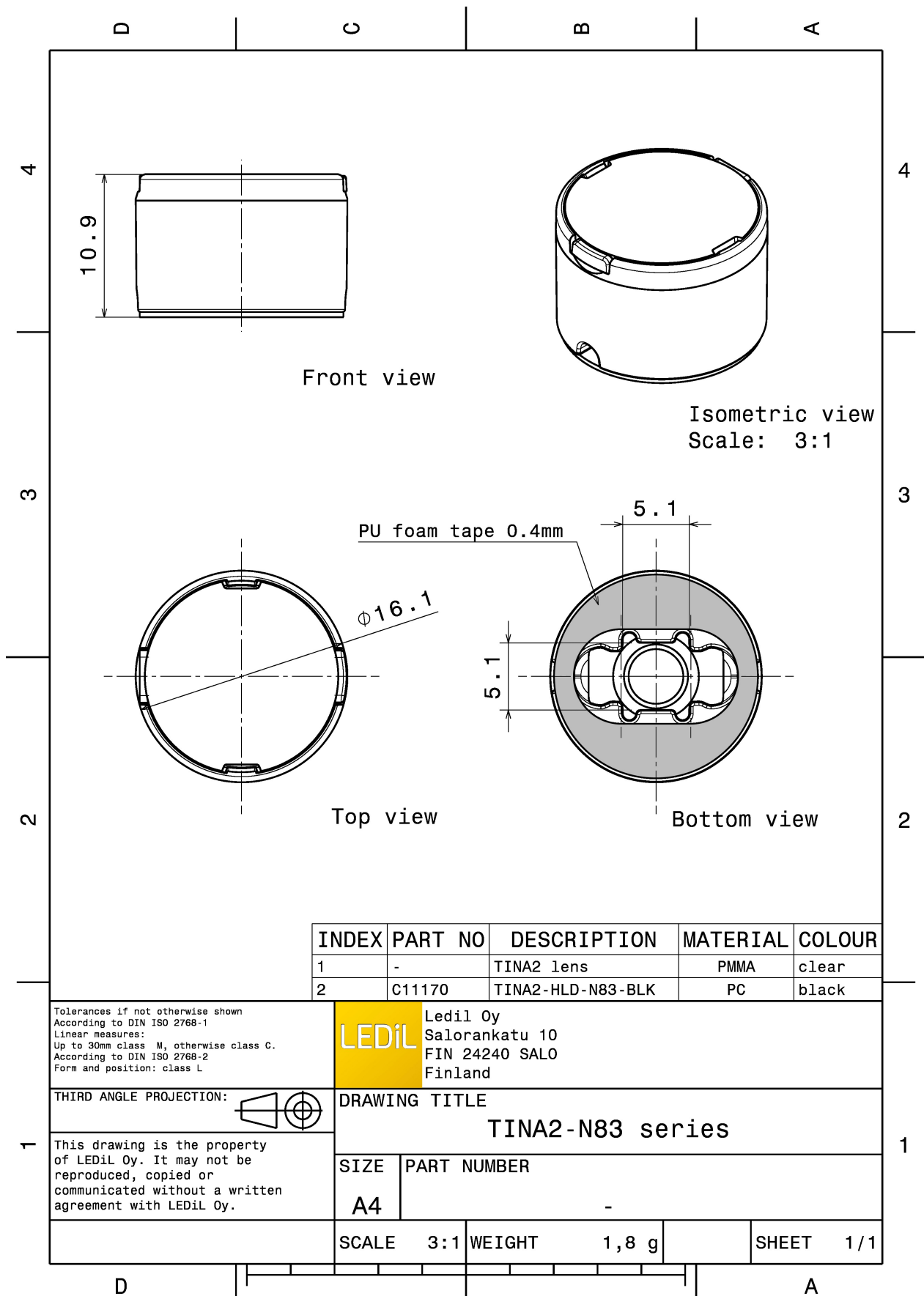
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	11 mm
Fastening	tape
Colour	black
Box size	451 x 241 x 298 mm
Box weight	9.2 kg
Quantity in Box	4140 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

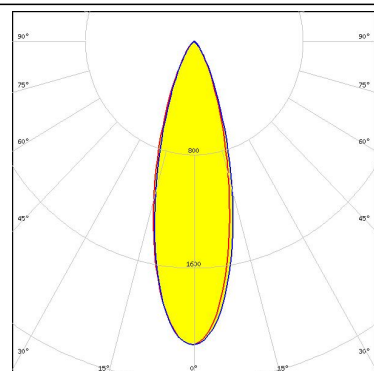
Component	Type	Material	Colour
TINA2-M	Single lens	PMMA	clear
TINA2-HLD-N83-BLK	Holder	PC	black
TINA-TAPE3	Tape	PU tape	black



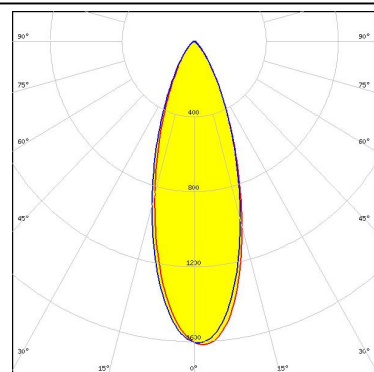
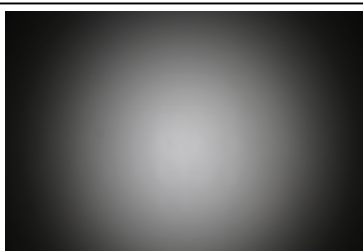
PHOTOMETRIC DATA (MEASURED):



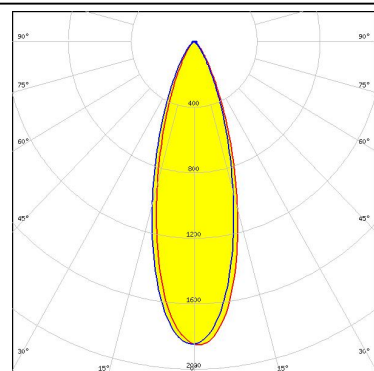
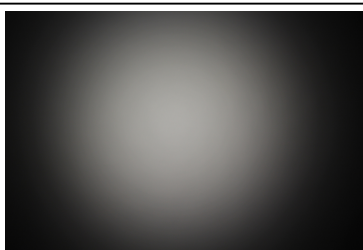
LED MX-6
FWHM 30.0°
Efficiency 83 %
Peak intensity 2.200 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON 5050
FWHM 34.0°
Efficiency 78 %
Peak intensity 1.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON V
FWHM 32.0°
Efficiency 75 %
Peak intensity 1.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:

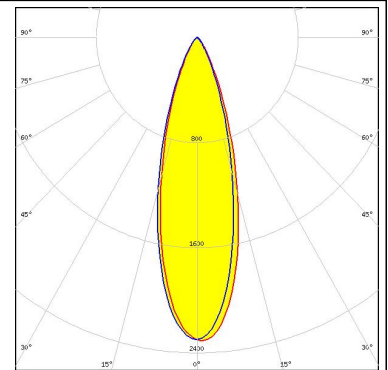


LED NS3x83
FWHM 32.0°
Efficiency %
Peak intensity 2.200 cd/lm
LEDs/each optic 1
Light colour White
Required components:

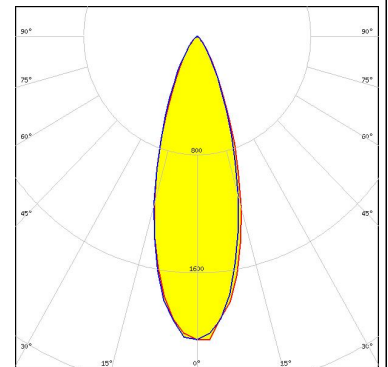
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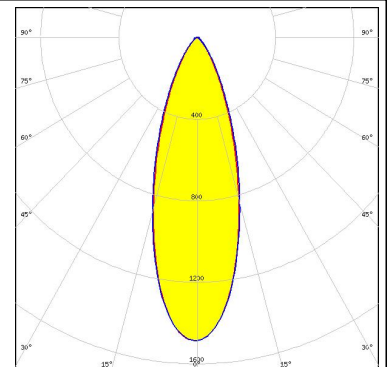
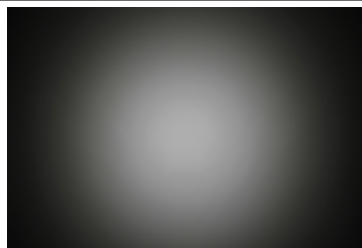
LED NS6x83
FWHM 30.0°
Efficiency 85 %
Peak intensity 2.300 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED OLP-x5050F6L
FWHM 34.0°
Efficiency 86 %
Peak intensity 2.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:



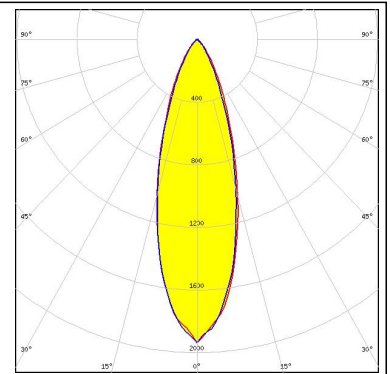
LED LH508A
FWHM 33.0°
Efficiency 71 %
Peak intensity 1.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

LED Duris S8
FWHM 31.0°
Efficiency 78 %
Peak intensity 1.940 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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