

TINA2-W

~45° wide beam optimized for Nichia NS6x83.
Assembly with holder and installation tape.

TECHNICAL SPECIFICATIONS:

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

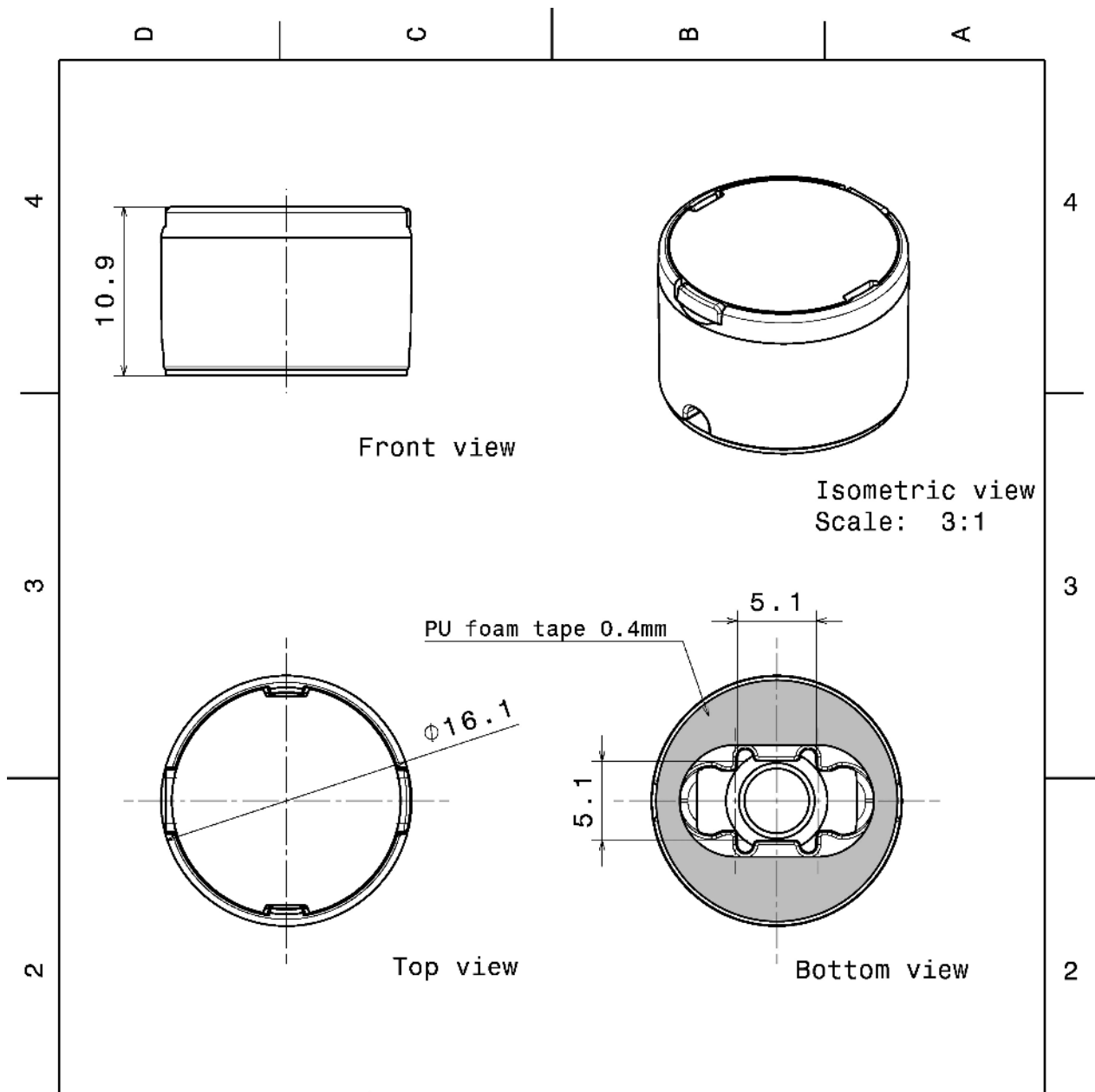
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
TINA2-W	Single lens	PMMA		
TINA2-HLD-N83-BLK	Holder	PC		
TINA-TAPE3	Tape	PU tape		



ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11175_TINA2-W	Single lens	4140		230	0.0
» Box size: 451 x 241 x 298 mm					



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	-	TINA2 lens	PMMA	clear
2	C11170	TINA2-HLD-N83-BLK	PC	black

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

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THIRD ANGLE PROJECTION:

DRAWING TITLE
TINA2-N83 series

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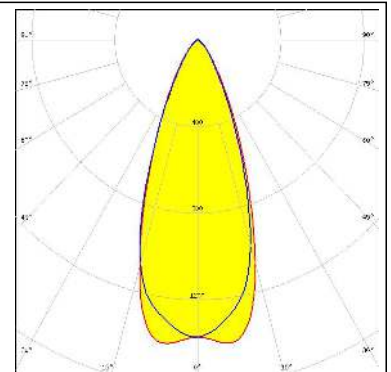
SIZE	PART NUMBER
A4	-

SCALE	3:1	WEIGHT	1,8 g	SHEET	1/1
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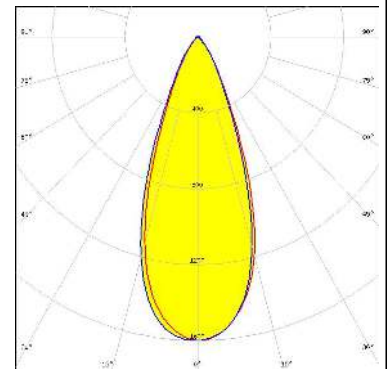
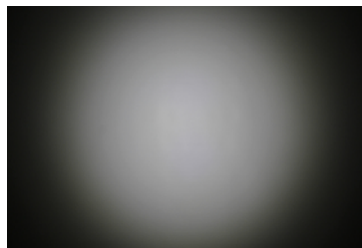
PHOTOMETRIC DATA (MEASURED):



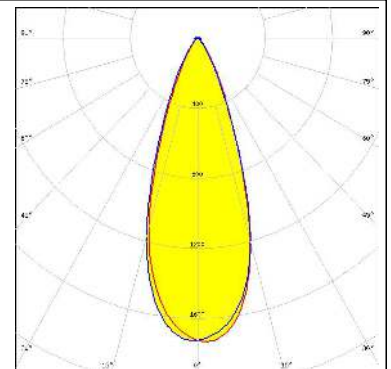
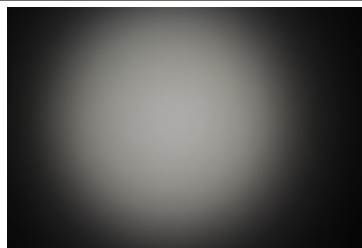
LED MX-6
 FWHM 40.0°
 Efficiency 87 %
 Peak intensity 1.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



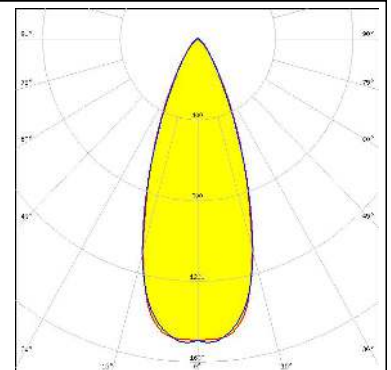
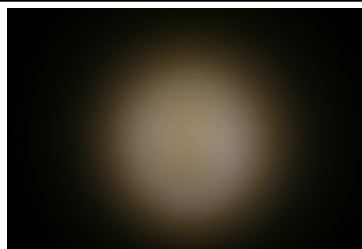
LED LUXEON 5050 Round LES
 FWHM 40.0°
 Efficiency 82 %
 Peak intensity 1.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON V
 FWHM 37.0°
 Efficiency 79 %
 Peak intensity 1.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



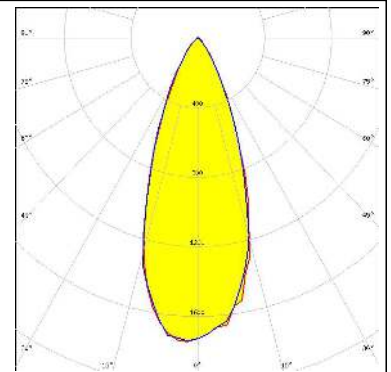
LED NS6x83
 FWHM 36.0°
 Efficiency 88 %
 Peak intensity 1.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

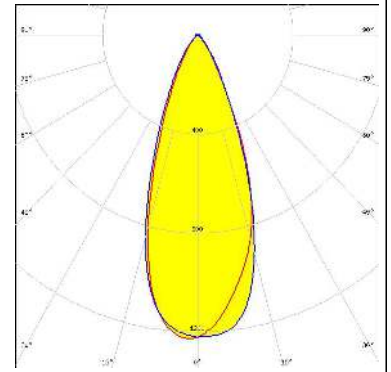
OPTOGAN

LED OLP-x5050F6L
FWHM 39.0°
Efficiency 88 %
Peak intensity 1.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

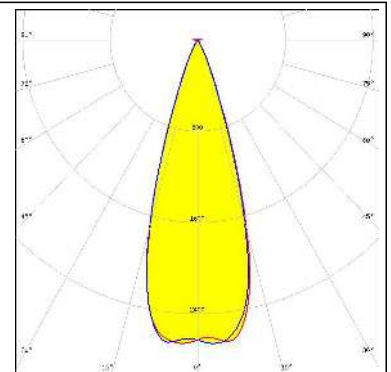
LED LH508A
FWHM 39.0°
Efficiency 61 %
Peak intensity 1.200 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

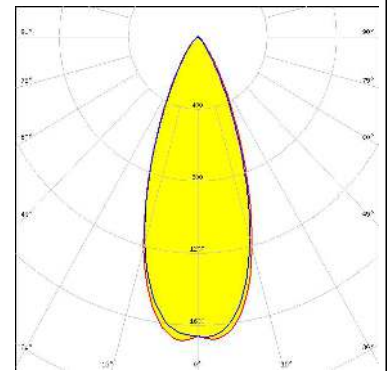
CREE 

LED XT-E
FWHM 32.0°
Efficiency 84 %
Peak intensity 2.720 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM
Opto Semiconductors

LED Duris S8
FWHM 39.0°
Efficiency 86 %
Peak intensity 1.690 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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