TINA2-W

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

TECHNICAL SPECIFICATIONS:

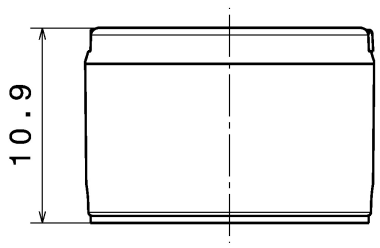
Dimensions	Ø 16.1 mm
Height	11 mm
Fastening	tape
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

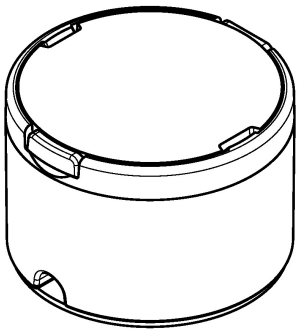
Component	Type	Material	Colour	Finish
TINA2-W	Single lens	PMMA		
TINA2-HLD-N83-BLK	Holder	PC		
TINA-TAPE3	Tape	PU tape		

ORDERING INFORMATION:

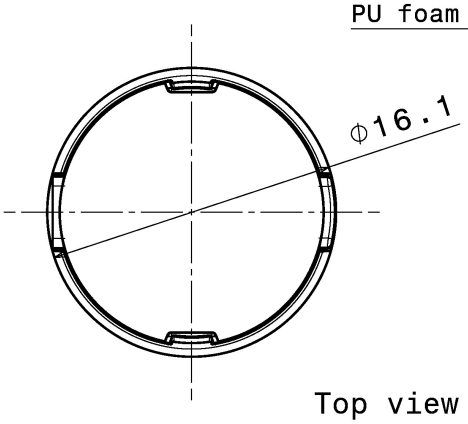
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11175_TINA2-W » Box size: 451 x 241 x 298 mm	Single lens	4140		230	0.0



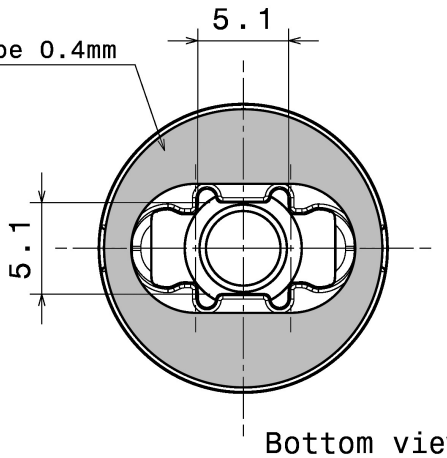
Front view



Isometric view
Scale: 3:1



Top view



Bottom view

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

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
TINA2-N83 series

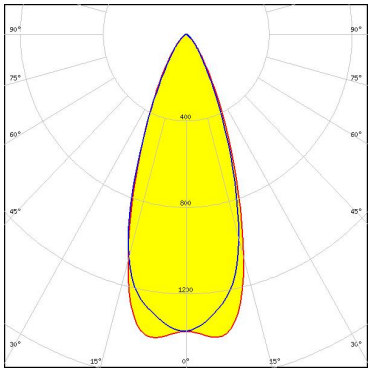
SIZE A4 | PART NUMBER -

SCALE 3:1 | WEIGHT 1,8 g | SHEET 1/1

PHOTOMETRIC DATA (MEASURED):

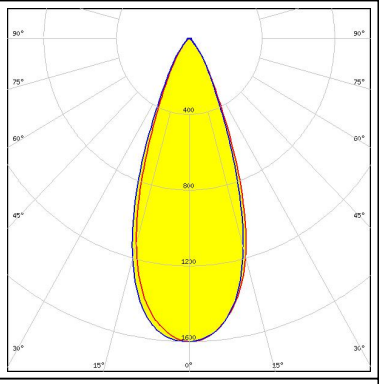
CREE

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



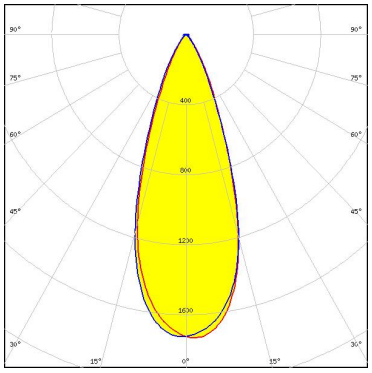
LUMILEDS

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:	



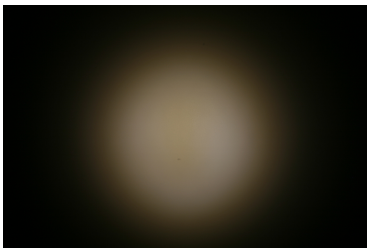
LUMILEDS

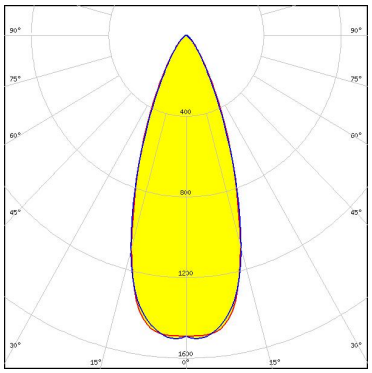
LED	LUXEON V
FWHM	37.0°
Efficiency	79 %
Peak intensity	1.700 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

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

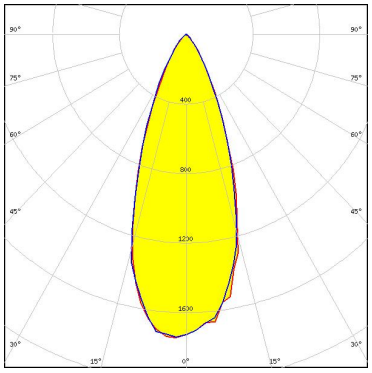




PHOTOMETRIC DATA (MEASURED):

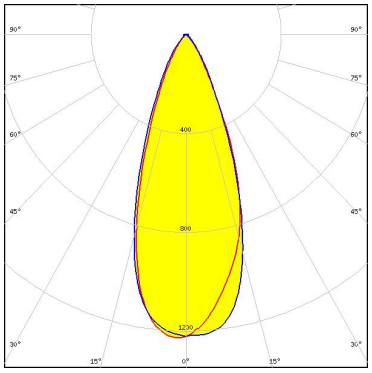
OPTOGAN

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



SAMSUNG

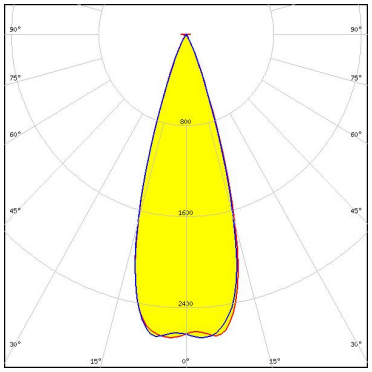
LED	LH508A
FWHM	39.0°
Efficiency	61 %
Peak intensity	1.200 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (SIMULATED):

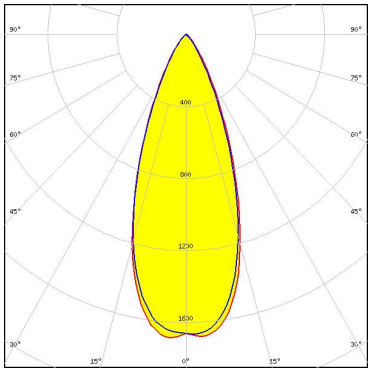
CREE

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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