TINA2-WW

~60° wide beam optimized for Nichia NS6x83. Assembly with holder and installation tape.



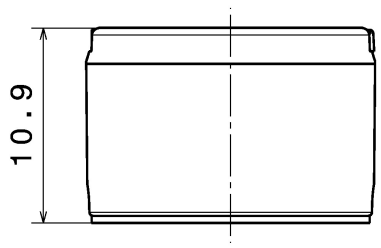
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	11 mm
Fastening	tape
Colour	black
Box size	451 x 241 x 298 mm
Box weight	0 kg
Quantity in Box	4140 pcs
ROHS compliant	yes

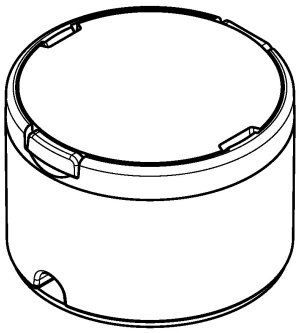
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
TINA2-WW-6N83	Lens	PMMA	clear
TINA2-HLD-N83-BLK	Holder	PC	black
TINA-TAPE3	Tape	PU tape	black

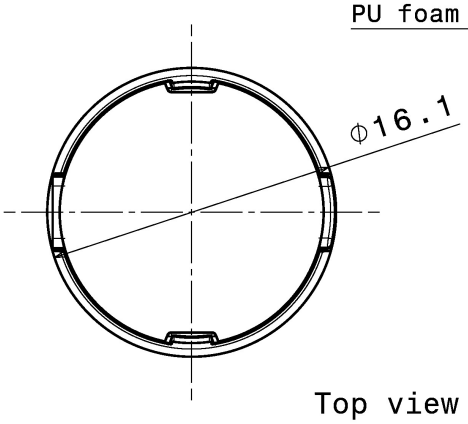
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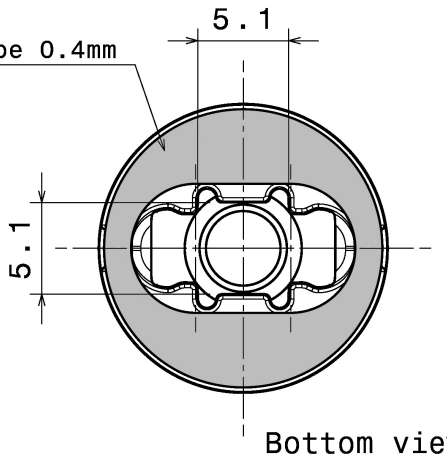
Front view



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

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Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
TINA2-N83 series

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SIZE A4

PART NUMBER -

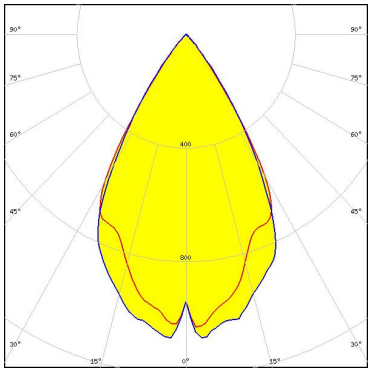
SCALE 3:1 WEIGHT 1,8 g SHEET 1/1

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PHOTOMETRIC DATA (MEASURED):

CREE

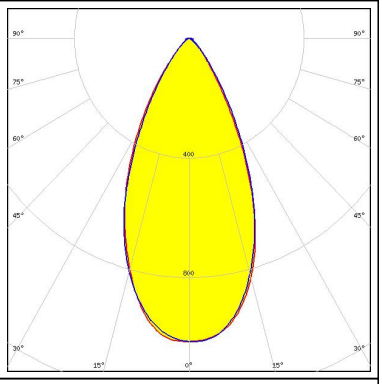
LED	MX-6
FWHM	56.0°
Efficiency	%
Peak intensity	0.920 cd/lm
Required components:	



LUMILEDS

LED	LUXEON 5050
FWHM	49.0°
Efficiency	76 %
Peak intensity	1.000 cd/lm
Required components:	

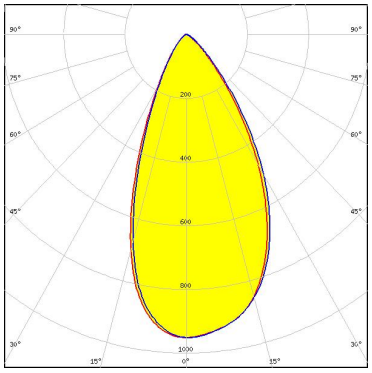




LUMILEDS

LED	LUXEON V
FWHM	51.0°
Efficiency	76 %
Peak intensity	0.950 cd/lm
Required components:	





NICHIA

LED	NS3x83
FWHM	60.0°
Efficiency	87 %
Peak intensity	0.840 cd/lm
Required components:	

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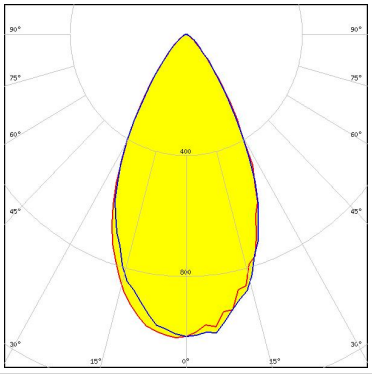
PHOTOMETRIC DATA (MEASURED):

NICHIA

LED	NS6x83
FWHM	60.0°
Efficiency	87 %
Peak intensity	0.830 cd/lm
Required components:	

OPTOGAN

LED	OLP-x5050F6L
FWHM	55.0°
Efficiency	86 %
Peak intensity	1.000 cd/lm
Required components:	

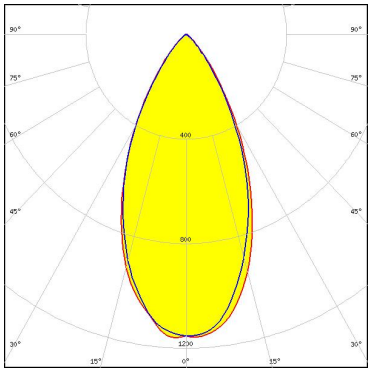


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PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

LED	Duris S8
FWHM	49.0°
Efficiency	86 %
Peak intensity	1.180 cd/lm
Required components:	



SAMSUNG

LED	LH181B
FWHM	49.1°
Efficiency	88 %
Peak intensity	1.430 cd/lm
Required components:	

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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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