TINA2-W

~45° wide beam optimized for Nichia NCSxx19. Assembly with holder and installation tape.



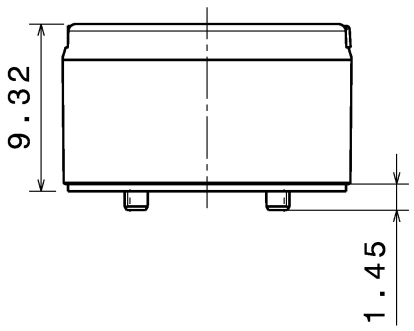
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.3 mm
Fastening	tape, pin
Colour	black
Box size	451 x 241 x 298 mm
Box weight	0 kg
Quantity in Box	4140 pcs
ROHS compliant	yes

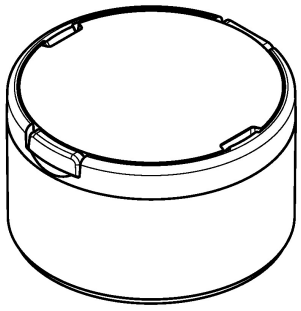
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
TINA2-W-XP	Lens	PMMA	clear
TINA2-HLD-NCS19-BLK	Holder	PC	black
TINA-TAPE3	Tape	PU tape	black

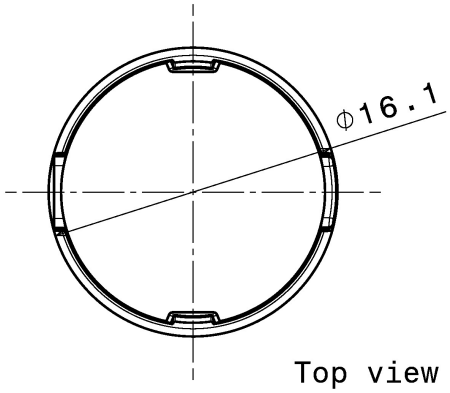
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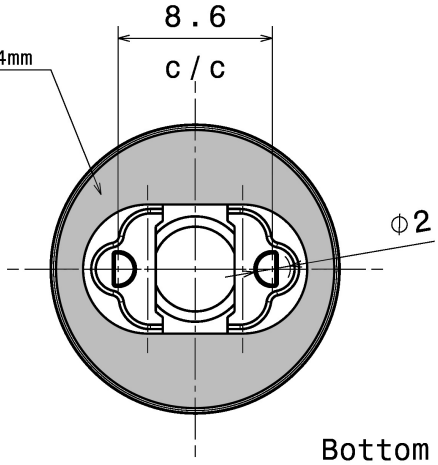
Front view



Isometric view
Scale: 3:1



Top view



Bottom view

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	-	TINA2-lens	PMMA	clear
2	C11010	TINA2-HLD-NCS19-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-NCS19 series

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SIZE A4

PART NUMBER -

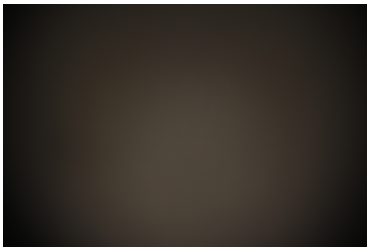
SCALE 3:1 | WEIGHT 1 g | SHEET 1/1

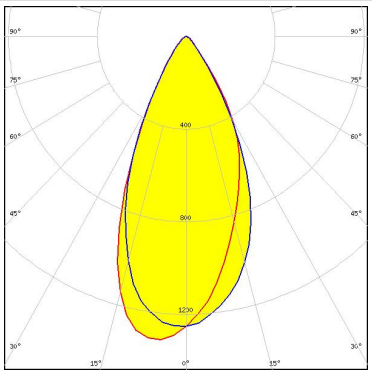
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PHOTOMETRIC DATA (MEASURED):

NICHIA

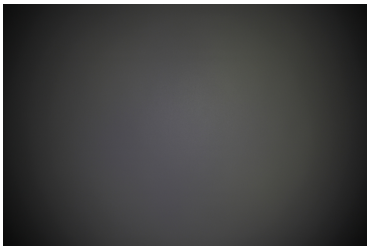
LED	NCSxx19A
FWHM	46.0°
Efficiency	88 %
Peak intensity	1.300 cd/lm
Required components:	

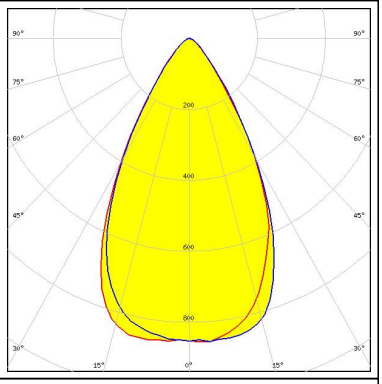




NICHIA

LED	NVSxx19A
FWHM	58.0°
Efficiency	82 %
Peak intensity	0.900 cd/lm
Required components:	

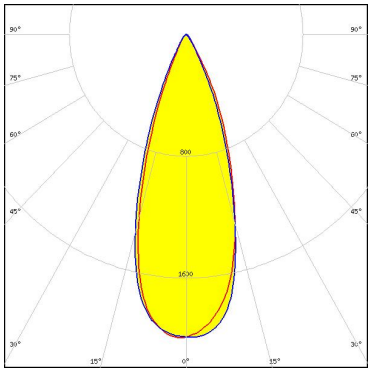




SAMSUNG

LED	LH181A
FWHM	36.0°
Efficiency	84 %
Peak intensity	2.000 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:

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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