TINA-WW

~60° wide beam. Assembly with holder and installation tape.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.5 mm
Fastening	pin, tape
Colour	black
Box size	
Box weight	4 kg
Quantity in Box	2016 pcs
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
TINA-WW-XP	Lens	PMMA	clear
TINA-HLD-PIN-BLK	Holder	PC	black
TINA-TAPE3	Tape	PU tape	black

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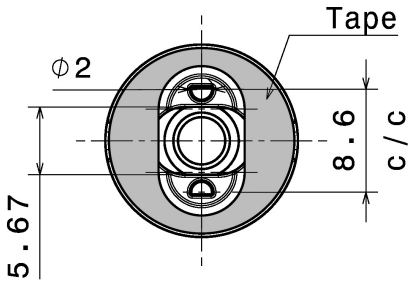
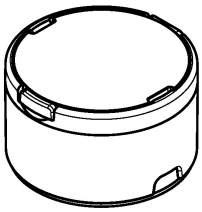
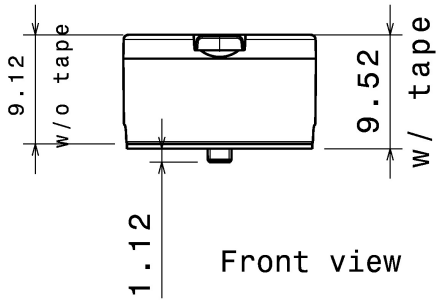


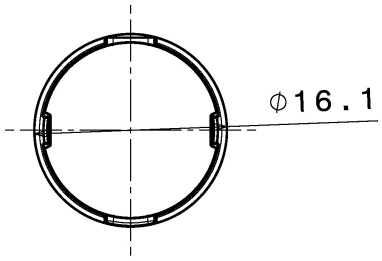
Bottom view



Isometric view



Front view



Top view

Materials
Lens: PMMA
Holder: PC
Tape: PU Foam

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Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWN BY: as	DATE: 10.9.2012	DRAWING TITLE: Mechanical Drawing	
CHECKED BY: sn	DATE: -	TINA-OSL	
DESIGNED BY: -	DATE: -	SIZE: A4	PART NUMBER: TINA-OSL / REV: 001
		SCALE: 2:1	WEIGHT: 1,47 g / SHEET: 1/1

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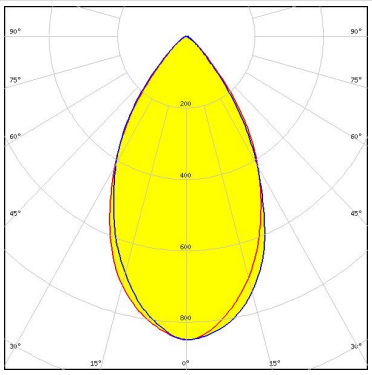
PHOTOMETRIC DATA (MEASURED):

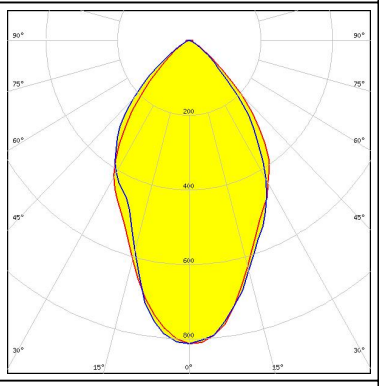
NICHIA

LED	NVSW3x9A
FWHM	59.0°
Efficiency	84 %
Peak intensity	0.900 cd/lm
Required components:	



OSRAM
Opto Semiconductors

LED	Oslon SSL 80
FWHM	66.0°
Efficiency	87 %
Peak intensity	0.800 cd/lm
Required components:	



OSRAM
Opto Semiconductors

LED	SFH 4715S
FWHM	36.0°
Efficiency	%
Peak intensity	cd/lm
Required components:	

OSRAM
Opto Semiconductors

LED	SFH 4725S
FWHM	35.0°
Efficiency	%
Peak intensity	cd/lm
Required components:	

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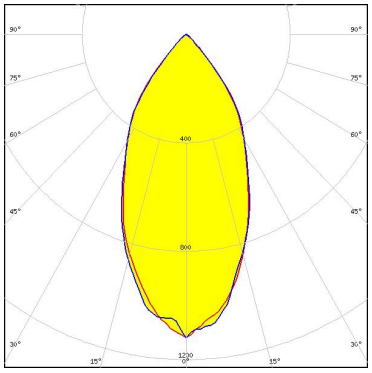
PHOTOMETRIC DATA (SIMULATED):

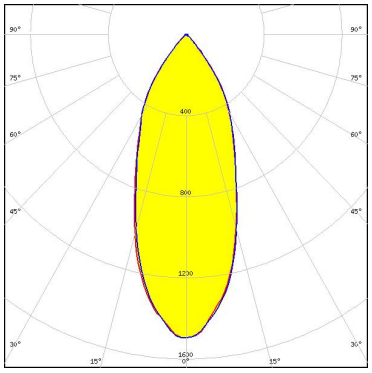
NICHIA

LED	NVSxx19B/NVSxx19C
FWHM	50.0°
Efficiency	89 %
Peak intensity	1.100 cd/lm
Required components:	



SAMSUNG

LED	LH181B
FWHM	40.1°
Efficiency	94 %
Peak intensity	1.510 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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