TINA-WW

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

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.5 mm
Fastening	pin, tape
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
TINA-WW-XP	Single lens	PMMA		
TINA-HLD-PIN-BLK	Holder	PC		
TINA-TAPE3	Tape	PU tape		

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11027_TINA-WW	Single lens	2016	288	144	4.0
» Box size:					

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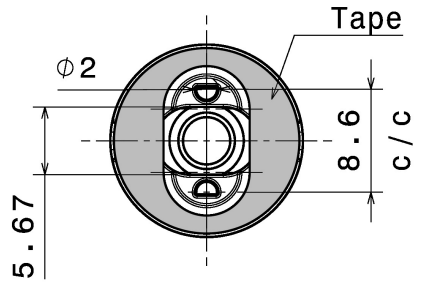
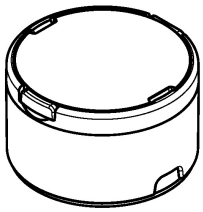
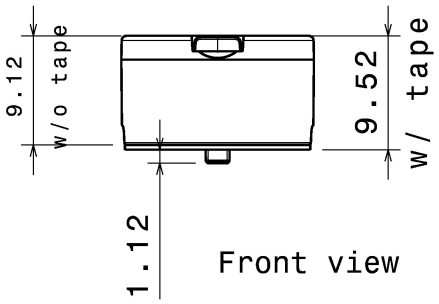


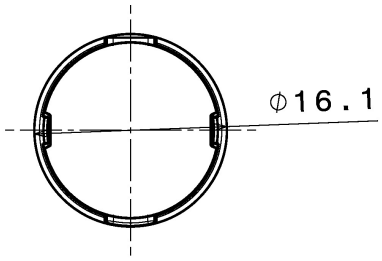
Bottom view



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 TINA-OSL	
CHECKED BY: sn	DATE: -	SIZE: A4	PART NUMBER: TINA-OSL	REV: 001
DESIGNED BY: -	DATE: -	SCALE: 2:1	WEIGHT: 1,47 g	SHEET: 1/1

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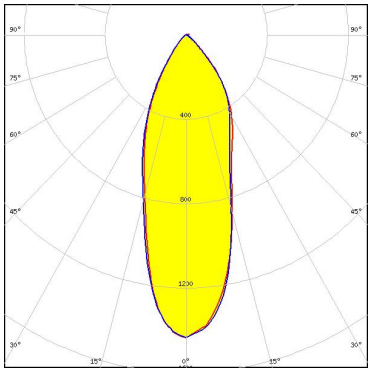
PHOTOMETRIC DATA (MEASURED):

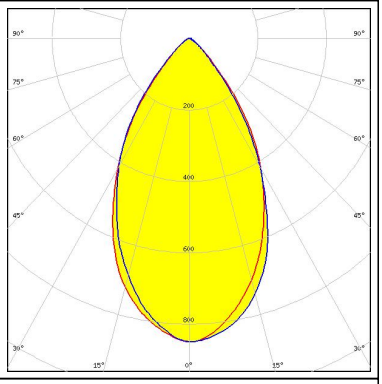
LUMILEDS

LED	LUXEON C
FWHM	35.0°
Efficiency	86 %
Peak intensity	1.400 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



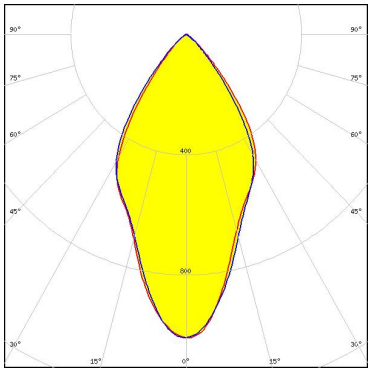
NICHIA

LED	NVSW3x9A
FWHM	59.0°
Efficiency	84 %
Peak intensity	0.900 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM Opto Semiconductors

LED	OSLON SSL 80
FWHM	57.0°
Efficiency	86 %
Peak intensity	1.000 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM Opto Semiconductors

LED	SFH 4715S
FWHM	36.0°
Efficiency	%
Peak intensity	cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

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PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED	SFH 4725S
FWHM	35.0°
Efficiency	%
Peak intensity	cd/lm
LEDs/each optic	1
Light colour	White

Required components:

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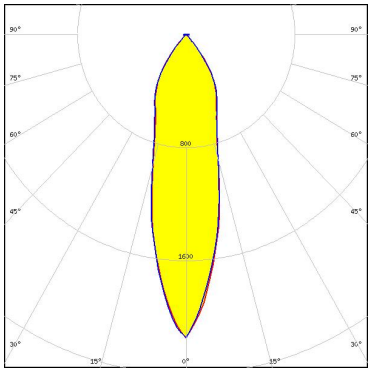
PHOTOMETRIC DATA (SIMULATED):

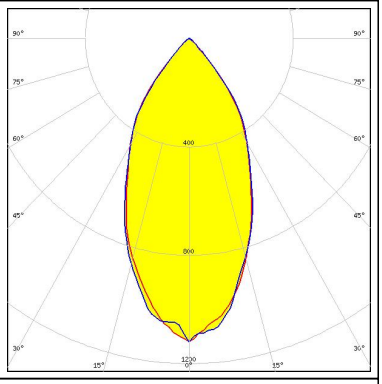
NICHIA

LED	NCSxE17A
FWHM	27.0°
Efficiency	90 %
Peak intensity	2.145 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



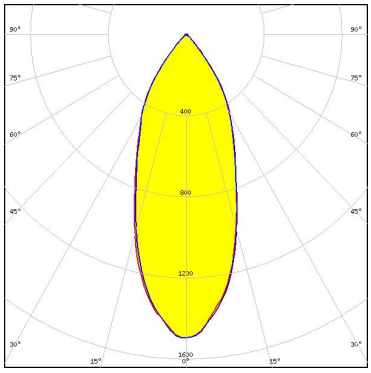
NICHIA

LED	NVSxx19B/NVSxx19C
FWHM	50.0°
Efficiency	89 %
Peak intensity	1.100 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

LED	LH181B
FWHM	40.1°
Efficiency	94 %
Peak intensity	1.510 cd/lm
LEDs/each optic	1
Light colour	White
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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