TINA-RS

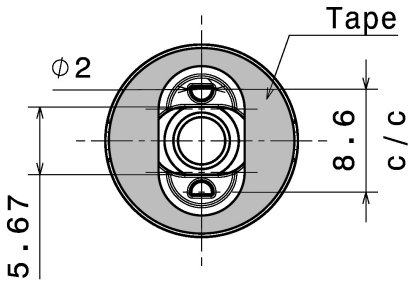
~13° spot beam. Assembly with holder, installation tape and location pins.

TECHNICAL SPECIFICATIONS:

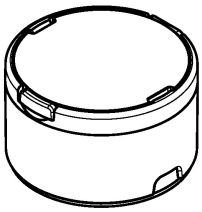
Dimensions	Ø 16.1 mm
Height	9.5 mm
Fastening	tape, pin
Colour	black
Box size	470 x 240 x 105 mm
Box weight	4.1 kg
Quantity in Box	2016 pcs
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

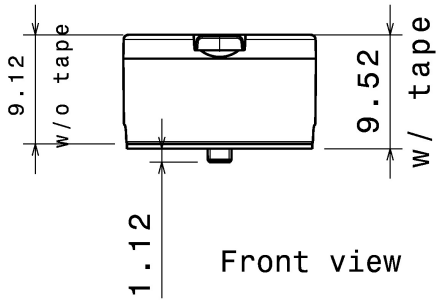
Component	Type	Material	Colour
TINA-XP-RS	Single lens	PMMA	clear
TINA-HLD-PIN-BLK	Holder	PC	
TINA-TAPE3	Tape	PU tape	



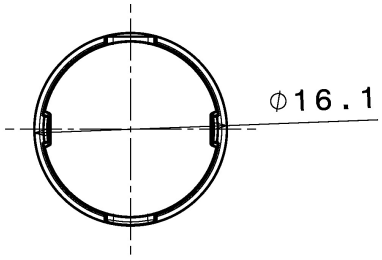
Bottom view



Isometric view



Front view



Top view

Materials
Lens: PMMA
Holder: PC
Tape: PU Foam

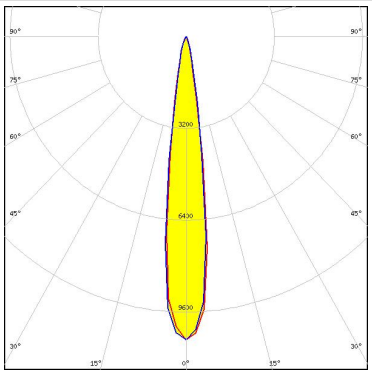
Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

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

PHOTOMETRIC DATA (MEASURED):

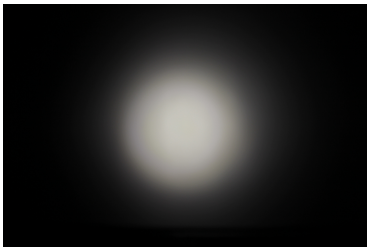
CREE

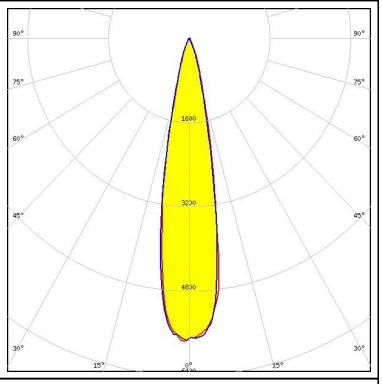
LED	XB-H
FWHM	15.0°
Efficiency	88 %
Peak intensity	10.600 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

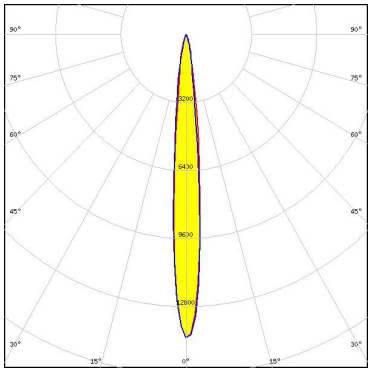
LED	NVSW3x9A
FWHM	20.0°
Efficiency	88 %
Peak intensity	5.800 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





OSRAM
Opto Semiconductors

LED	OSLON SSL 80
FWHM	11.0°
Efficiency	90 %
Peak intensity	14.300 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	SFH 4715S
FWHM	15.0°
Efficiency	%
Peak intensity	cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

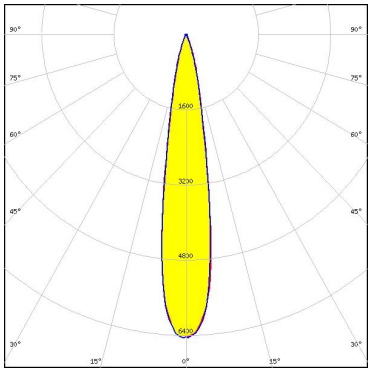
LED	SFH 4725S
FWHM	10.0°
Efficiency	%
Peak intensity	cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

SAMSUNG

LED	LH351A
FWHM	14.0°
Efficiency	93 %
Peak intensity	7.810 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

SEOUL SEMICONDUCTOR

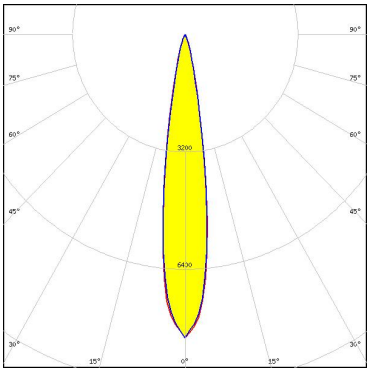
LED	Z8Y22P
FWHM	17.0°
Efficiency	85 %
Peak intensity	6.400 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (SIMULATED):

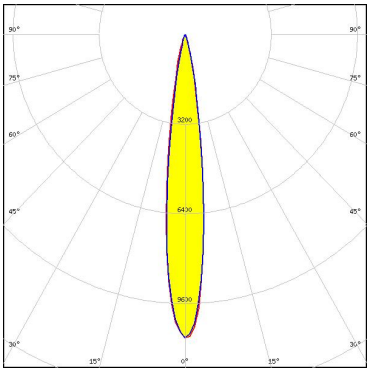
NICHIA

LED	NVSxx19B/NVSxx19C
FWHM	16.0°
Efficiency	88 %
Peak intensity	8.200 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM	14.0°
Efficiency	92 %
Peak intensity	10.900 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:

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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