

TINA-D

~16° diffused spot beam. Assembly with holder, installation tape and location pins.

SPECIFICATION:

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

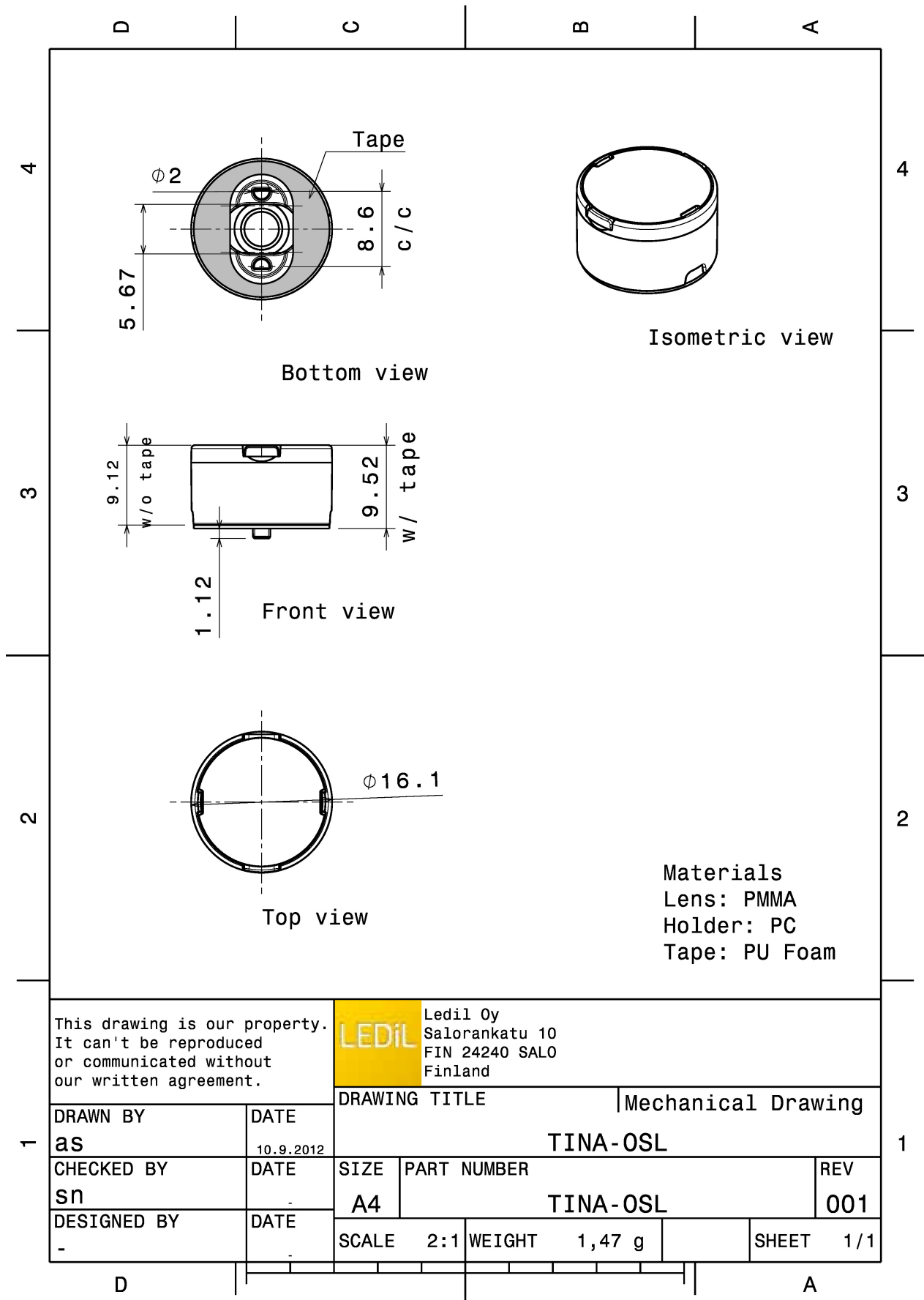


MATERIALS:

Component	Type	Material	Colour	Finish	Length
TINA-D	Single lens	PMMA	clear		16.0
TINA-HLD-PIN-BLK	Holder	PC	black		16.0
TINA-TAPE3	Tape	Acrylic foam	black		16.0

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
FA11205_TINA-D » Box size:	2016	288	144	4.1



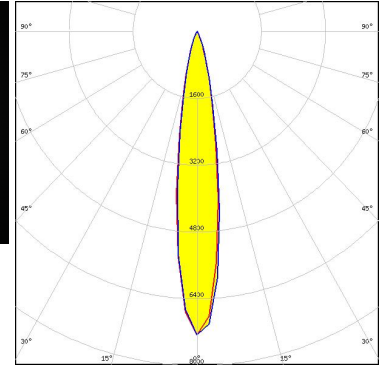
This drawing is our property. It can't be reproduced or communicated without our written agreement.		LEDiL LediL Oy Salorankatu 10 FIN 24240 SALO Finland	
DRAWN BY as		DRAWING TITLE Mechanical Drawing	
DATE 10.9.2012		TINA-OSL	
CHECKED BY sn	DATE -	SIZE A4	PART NUMBER TINA-OSL
DESIGNED BY -	DATE -	SCALE 2:1	WEIGHT 1,47 g
		SHEET 1/1	REV 001

See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



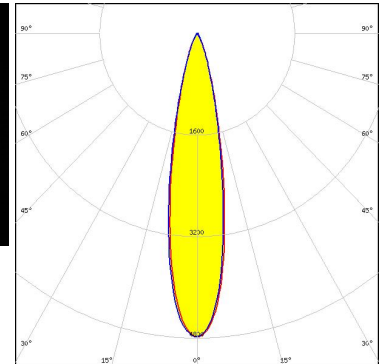
LED XB-H
FWHM / FWTM 17.0° / 35.0°
Efficiency 87 %
Peak intensity 7.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NVSW3x9A
FWHM / FWTM 21.0° / 42.0°
Efficiency 87 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED OSOLON SSL 150
FWHM / FWTM 14.0° / 32.0°
Efficiency 89 %
Peak intensity 6.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED OSLON SSL 80
FWHM / FWTM 12.0° / 28.0°
Efficiency 89 %
Peak intensity 10.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

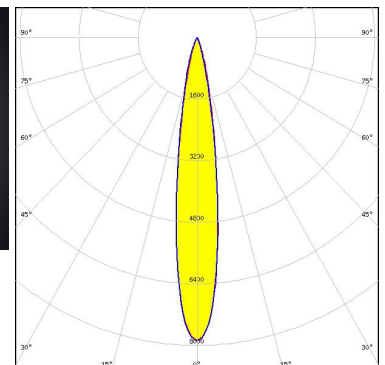
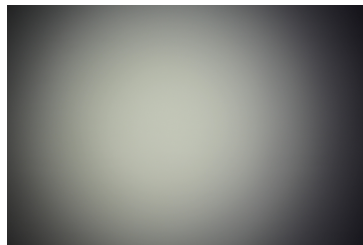
SAMSUNG

LED LH351A
FWHM / FWTM 18.0° / 37.0°
Efficiency 93 %
Peak intensity 4.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files


SEMI
SEOUL SEMICONDUCTOR

LED Z5M1/Z5M2
FWHM / FWTM 16.0° / 33.0°
Efficiency 90 %
Peak intensity 7.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OPTICAL RESULTS (MEASURED):

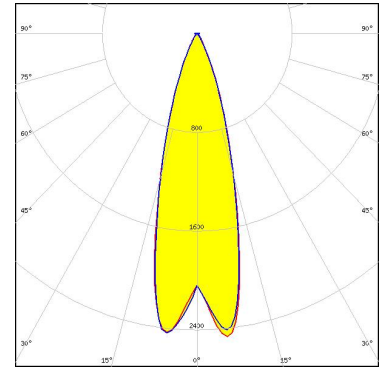
 SEOL SEMICONDUCTOR		
LED	Z8Y22P	
FWHM / FWTM	19.0° / 40.0°	
Efficiency	85 %	
Peak intensity	5 cd/lm	
LEDs/each optic	1	
Light colour/type	White	
Required components:		

Light distribution files

OPTICAL RESULTS (SIMULATED):



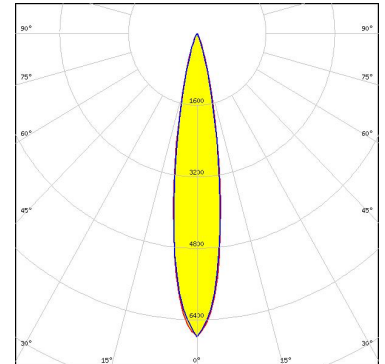
LED NCSxE17A
FWHM / FWTM 30.0° / 52.0°
Efficiency 85 %
Peak intensity 2.5 cd/lm
LEDs/each optic 4
Light colour/type White
Required components:



Light distribution files



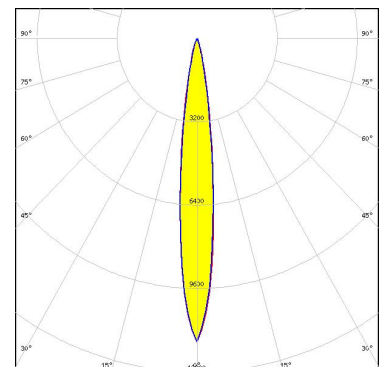
LED NVSxx19B/NVSxx19C
FWHM / FWTM 18.0°
Efficiency 88 %
Peak intensity 7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED Duris E 2835
FWHM / FWTM 13.0° / 28.0°
Efficiency 92 %
Peak intensity 11.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

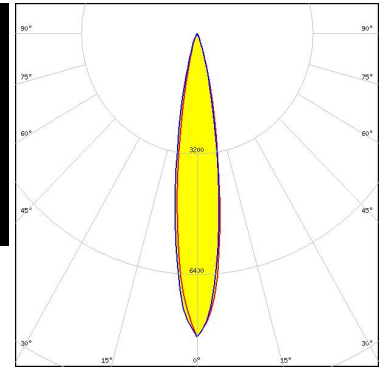
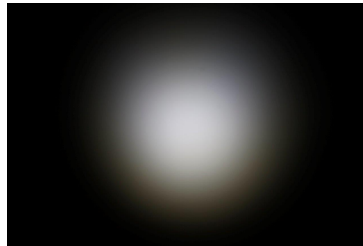


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

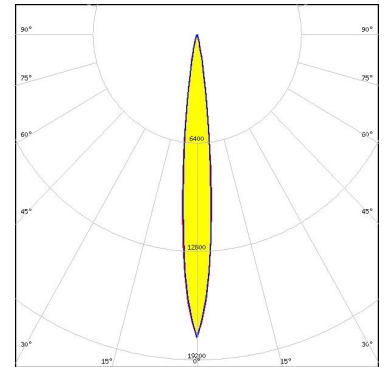
LED Duris S5 (2 chip)
FWHM / FWTM 17.0° / 33.0°
Efficiency 92 %
Peak intensity 8.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED SYNIOS S2222
FWHM / FWTM 12.0 + 11.0° / 22.0°
Efficiency 97 %
Peak intensity 17.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

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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