

## TINA-W

~50° wide 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 ⓘ

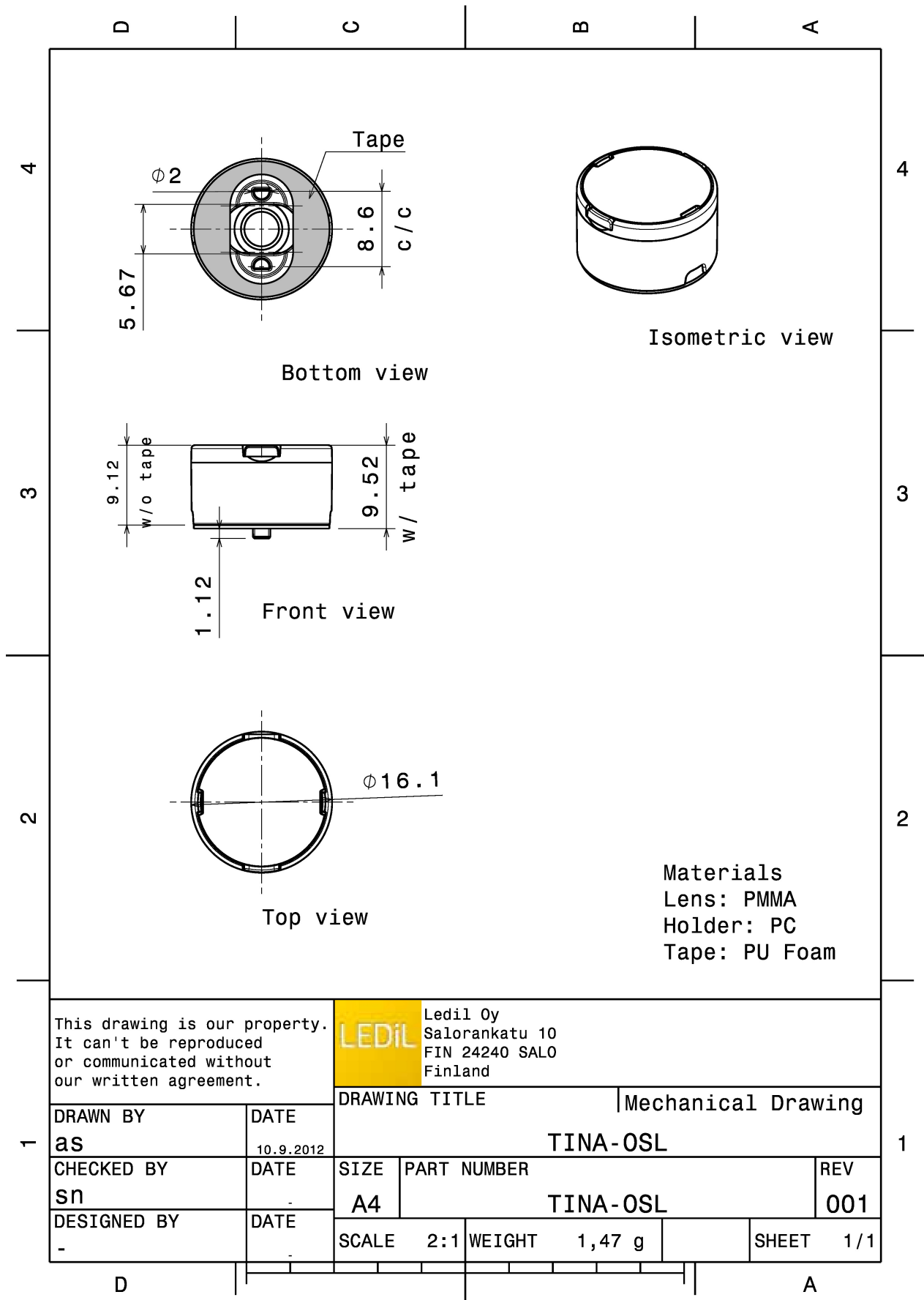


### MATERIALS:

Component	Type	Material	Colour	Finish	Length
TINA-XP-W	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)
FA11207_TINA-W » Box size:	2016	288	144	4.0



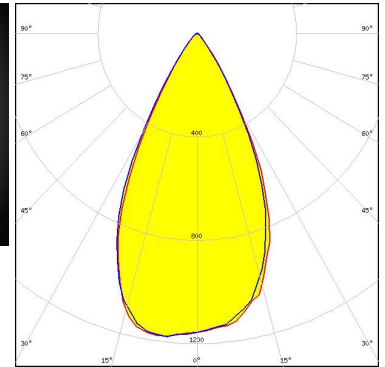
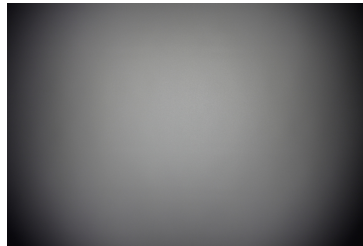
This drawing is our property. It can't be reproduced or communicated without our written agreement.		<b>LEDiL</b> LediL Oy Salorankatu 10 FIN 24240 SALO Finland	
DRAWN BY <b>as</b>		DATE 10.9.2012	
CHECKED BY <b>sn</b>		DATE -	
DESIGNED BY -		DATE -	
DRAWING TITLE <b>TINA-OSL</b>		Mechanical Drawing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

See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):



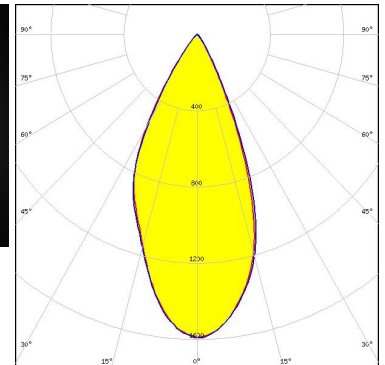
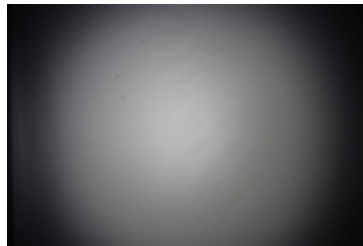
**LED** XB-H  
**FWHM / FWTM** 53.0° / 76.0°  
**Efficiency** 87 %  
**Peak intensity** 1.2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



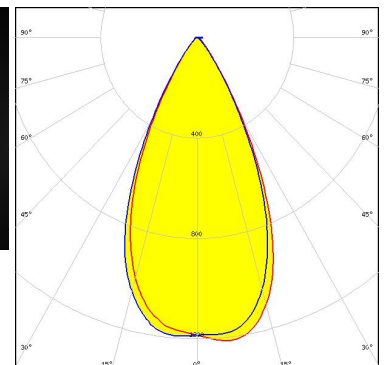
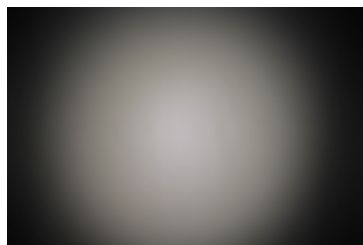
**LED** XP-E  
**FWHM / FWTM** 46.0° / 68.0°  
**Efficiency** 90 %  
**Peak intensity** 1.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** NVSW3x9A  
**FWHM / FWTM** 50.0° / 74.0°  
**Efficiency** 85 %  
**Peak intensity** 1.2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

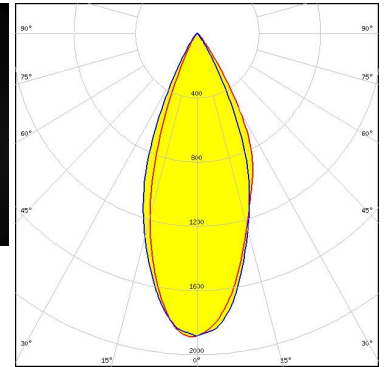
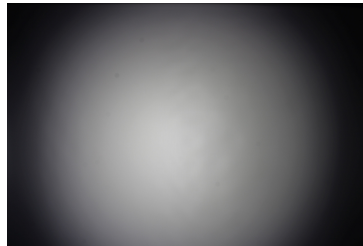


Light distribution files

### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

LED OSLON SSL 150  
FWHM / FWTM 41.0° / 64.0°  
Efficiency 90 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED SFH 4715S  
FWHM / FWTM 32.0° / 56.0°  
Efficiency %  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files

**OSRAM**  
Opto Semiconductors

LED SFH 4725S  
FWHM / FWTM 34.0° / 60.0°  
Efficiency %  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files

### OPTICAL RESULTS (MEASURED):

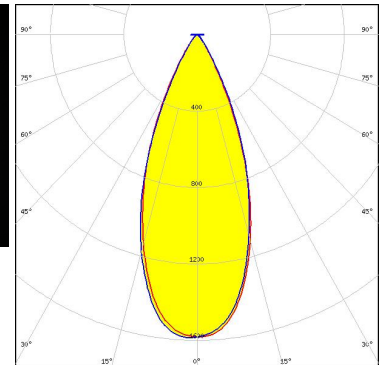
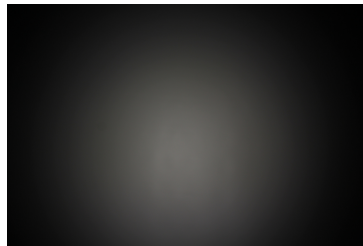
## SAMSUNG

LED LH351A  
FWHM / FWTM 54.0° / 70.0°  
Efficiency 91 %  
Peak intensity 0.8 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files



LED Z8Y22P  
FWHM / FWTM 41.0° / 66.0°  
Efficiency 83 %  
Peak intensity 1.6 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:

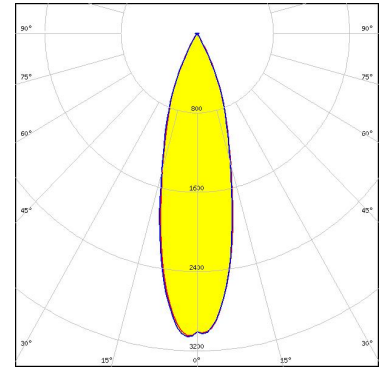


Light distribution files

### OPTICAL RESULTS (SIMULATED):



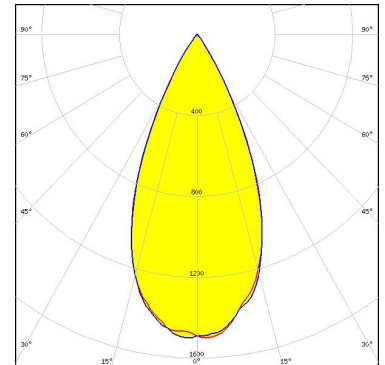
LED NCSxE17A  
FWHM / FWTM 28.0° / 55.0°  
Efficiency 90 %  
Peak intensity 3.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



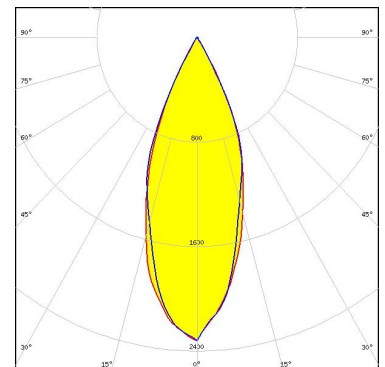
LED NVSxx19B/NVSxx19C  
FWHM / FWTM 47.0°  
Efficiency 88 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED SYNIOS S2222  
FWHM / FWTM 38.0° / 60.0°  
Efficiency 97 %  
Peak intensity 2.3 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:

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