

## TINA-W

~50° wide beam. Assembly with holder, installation tape and location pins.



### SPECIFICATION:

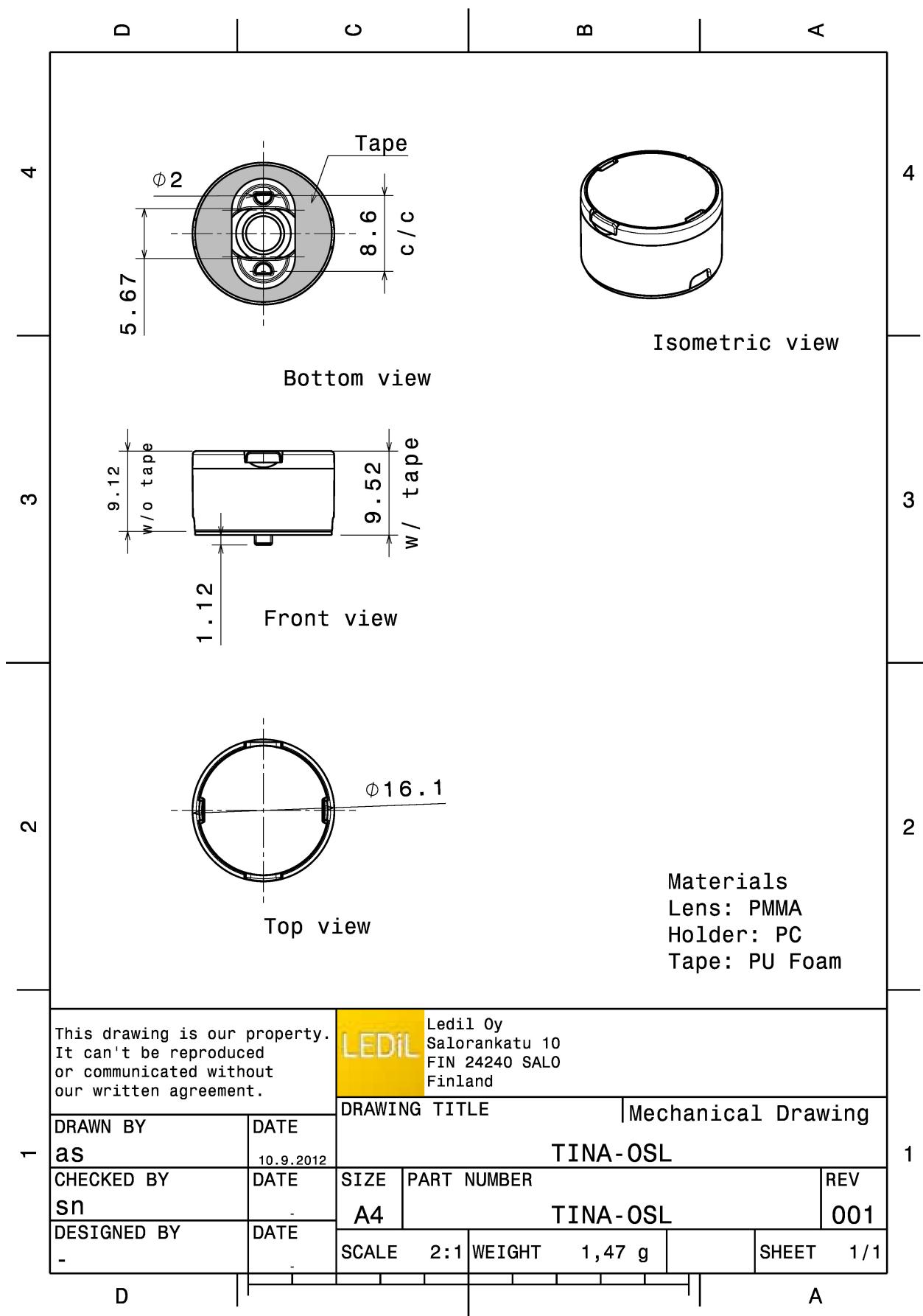
Dimensions	Ø 16.1
Height	9.5 mm
Fastening	tape, pin
ROHS compliant	yes 

### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
TINA-XP-W	Single lens	PMMA	clear		
TINA-HLD-PIN-BLK	Holder	PC	black		
TINA-TAPE3	Tape	Acryl tape	black		

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
FA11207_TINA-W	2016	288	144	4.0
» Box size:				

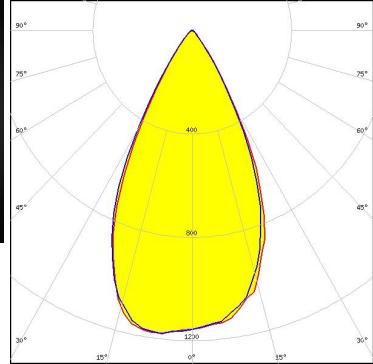
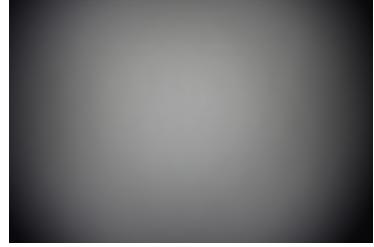


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

## OPTICAL RESULTS (MEASURED):

**CREE**  
LEDs

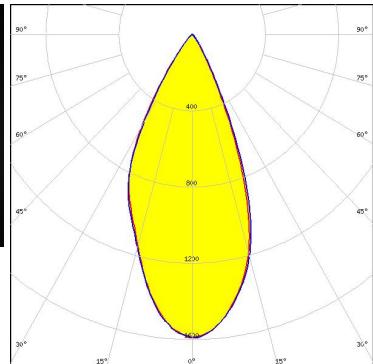
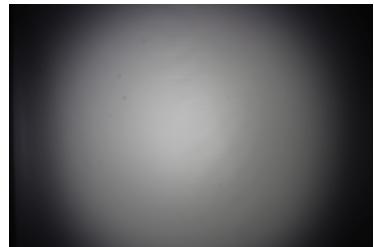
LED XB-H  
FWHM / FWTM 53.0° / 76.0°  
Efficiency 87 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**CREE**  
LEDs

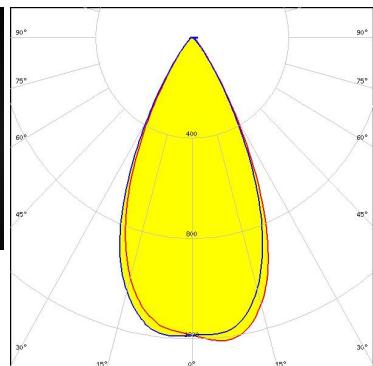
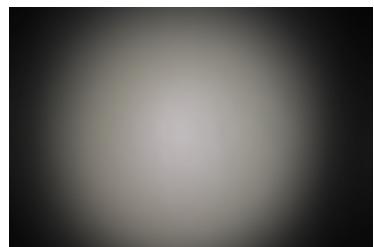
LED XP-E  
FWHM / FWTM 46.0° / 68.0°  
Efficiency 90 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**NICHIA**

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°

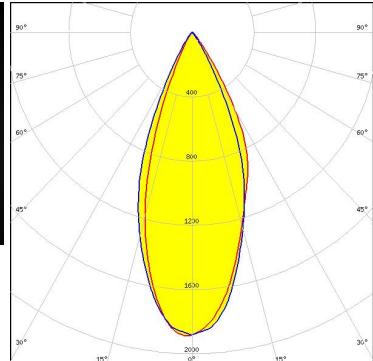
Efficiency 90 %

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):

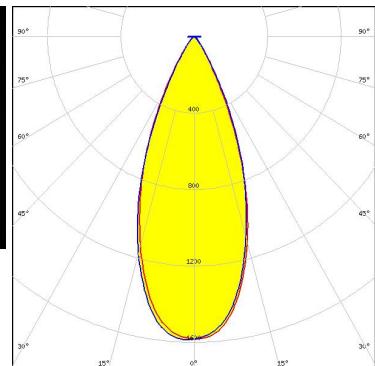
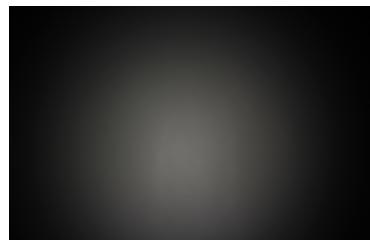
### SAMSUNG

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

[Light distribution files](#)

 SEOUL SEMICONDUCTOR

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

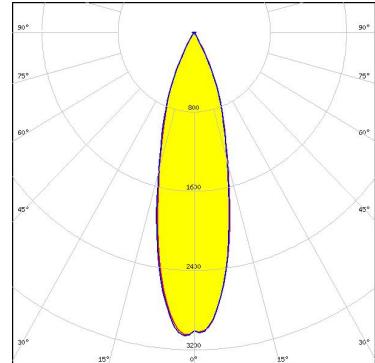


[Light distribution files](#)

## OPTICAL RESULTS (SIMULATED):



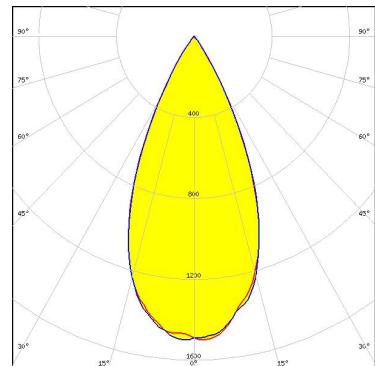
LED NCSxE17A  
 FWHM / FWTM 28.0° / 55.0°  
 Efficiency 90 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



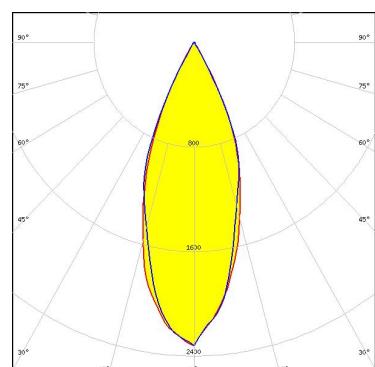
LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 47.0°  
 Efficiency 88 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED SYNIO 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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