

## 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 ⓘ

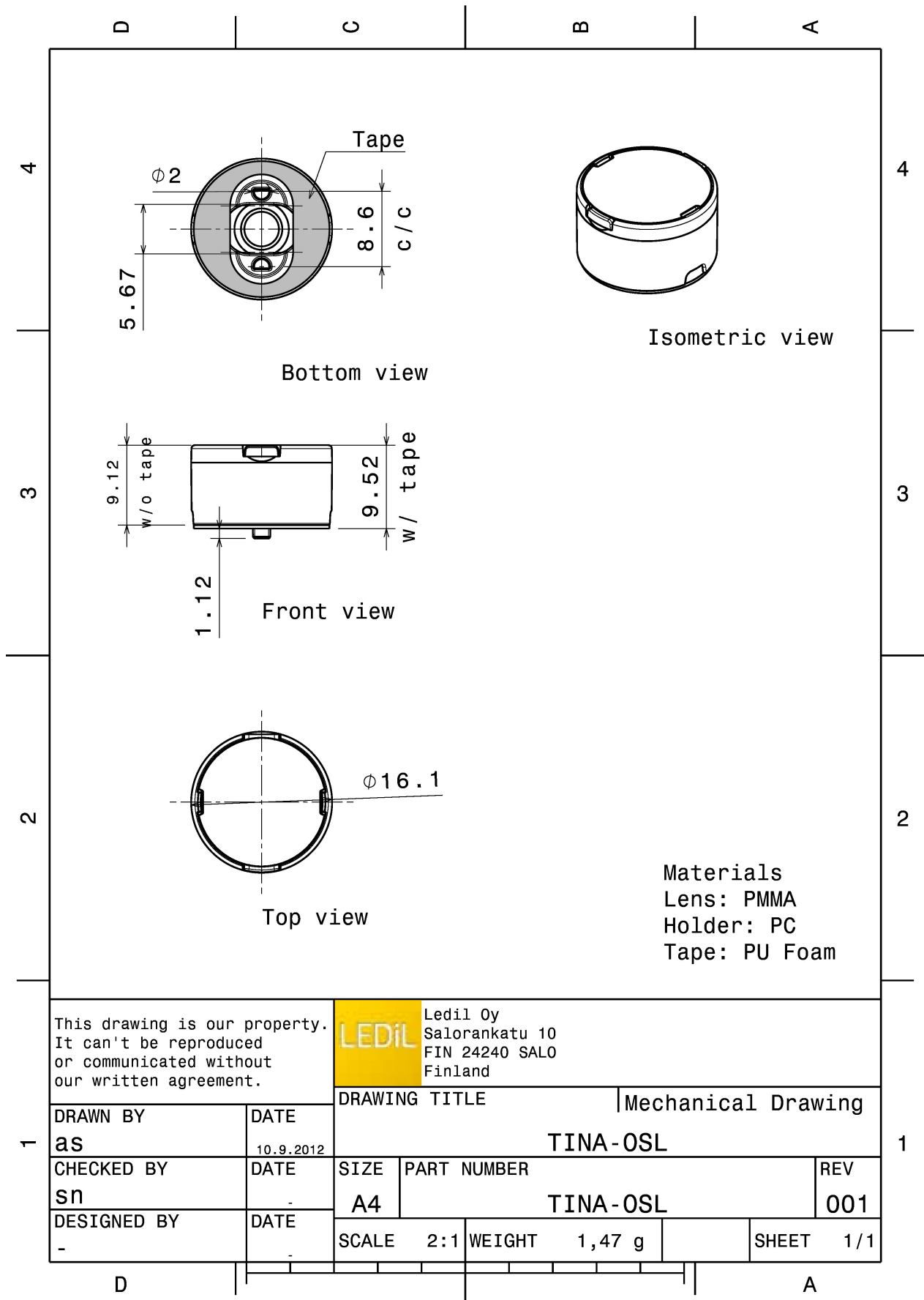


### MATERIALS:

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

### ORDERING INFORMATION:

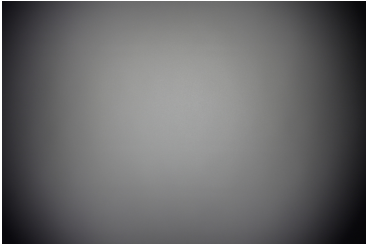
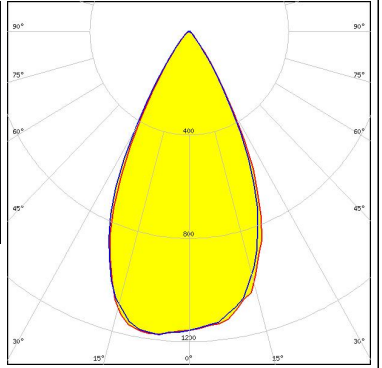
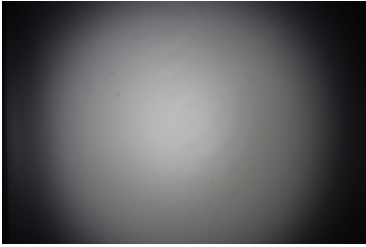
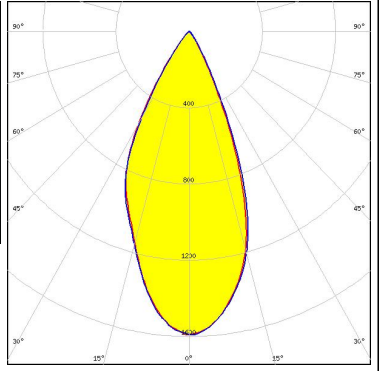
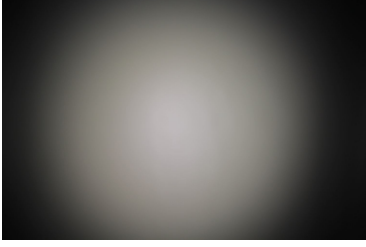
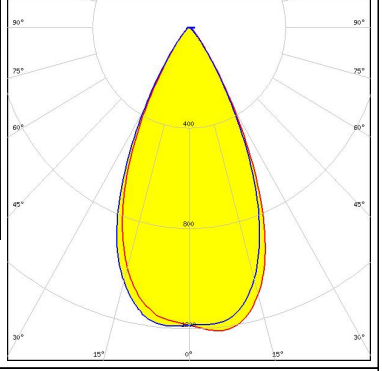
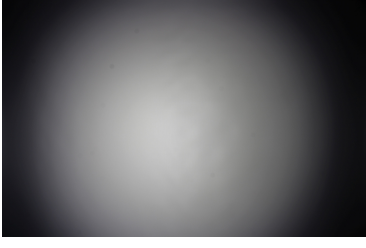
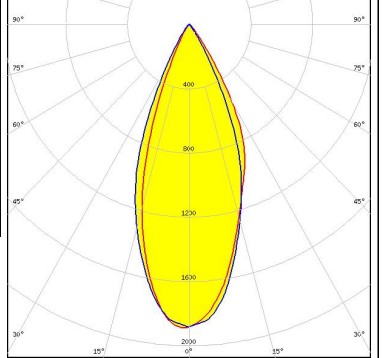
Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11207_TINA-W	Single lens	2016	288	144	4.0
» Box size:					



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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):

<p><b>CREE</b> LEDs</p> <p>LED XB-H            FWHM / FWTM 53.0° / 76.0°            Efficiency 87 %            Peak intensity 1.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE</b> LEDs</p> <p>LED XP-E            FWHM / FWTM 46.0° / 68.0°            Efficiency 90 %            Peak intensity 1.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSW3x9A            FWHM / FWTM 50.0° / 74.0°            Efficiency 85 %            Peak intensity 1.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSOLON SSL 150            FWHM / FWTM 41.0° / 64.0°            Efficiency 90 %            Peak intensity 1.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

### OPTICAL RESULTS (MEASURED):

#### OSRAM Opto Semiconductors

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

#### OSRAM Opto Semiconductors

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

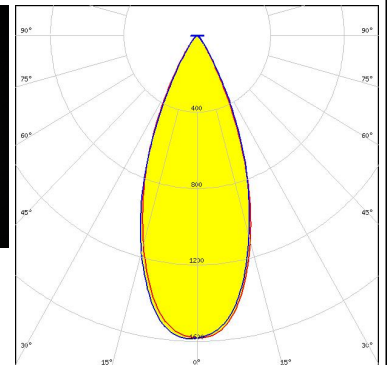
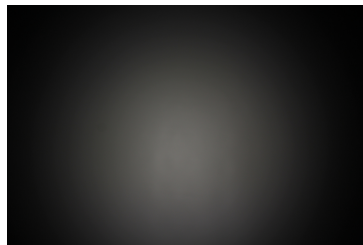
#### SAMSUNG

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



SEOUL SEMICONDUCTOR

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



### OPTICAL RESULTS (SIMULATED):

<p><b>NICHIA</b></p> <p>LED: NCSxE17A            FWHM / FWTM: 28.0° / 55.0°            Efficiency: 90 %            Peak intensity: 3.1 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NVSxx19B/NVSxx19C            FWHM / FWTM: 47.0°            Efficiency: 88 %            Peak intensity: 1.5 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED: SYNIOS S2222            FWHM / FWTM: 38.0° / 60.0°            Efficiency: 97 %            Peak intensity: 2.3 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

### 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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#### LEDiL Oy

Joensuunkatu 13  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B  
Casic Motor Building  
Shenzhen 518057  
P.R.CHINA

#### Local sales and technical support

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