

## TINA-RS

~13° spot beam optimized for LUXEON Rebel.  
Assembly with holder, installation tape and  
location pins.

### SPECIFICATION:

Dimensions	Ø 16.1 mm
Height	9.4 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

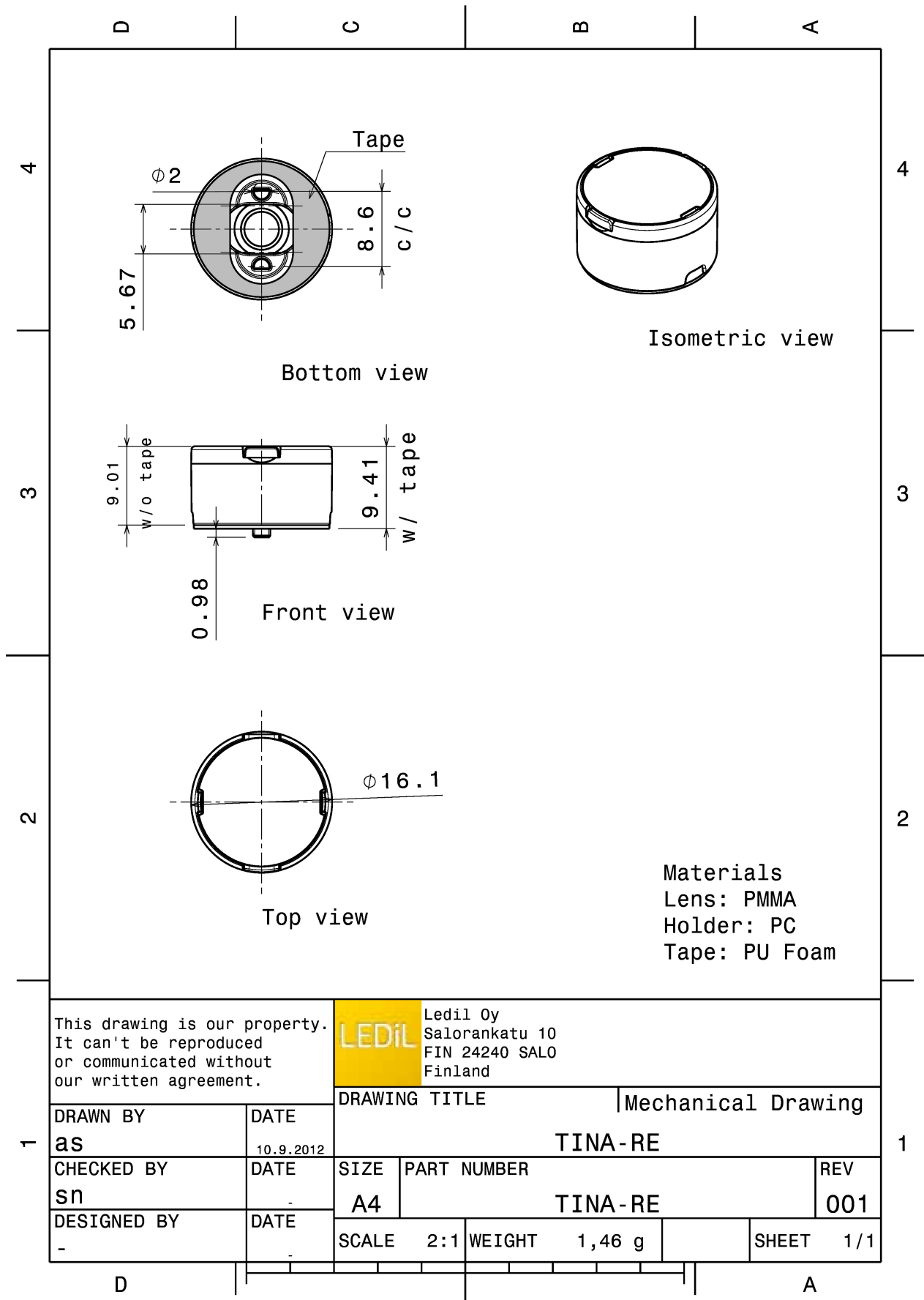


### MATERIALS:

Component	Type	Material	Colour	Finish
TINA-XP-RS	Single lens	PMMA	clear	
TINA-H-TAPE-RE-BLK	Holder	PC	black	
TINA-TAPE3	Tape	Acrylic foam	black	

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11212_TINA-RS	Single lens	2016	288	144	4.1
» Box size: 470 x 240 x 105 mm					



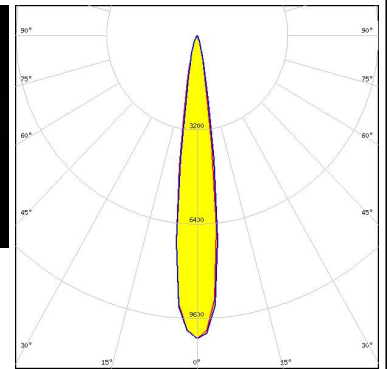
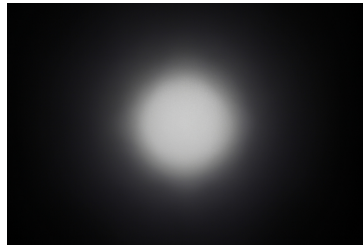
This drawing is our property. It can't be reproduced or communicated without our written agreement.		<b>LEDiL</b> LediL Oy Salorankatu 10 FIN 24240 SALO Finland	
DRAWN BY <b>as</b>		DATE 10.9.2012	
CHECKED BY <b>sn</b>		DATE -	
DESIGNED BY -		DATE -	
DRAWING TITLE <b>TINA-RE</b>		Mechanical Drawing	
SIZE <b>A4</b>	PART NUMBER <b>TINA-RE</b>	REV <b>001</b>	
SCALE <b>2:1</b>	WEIGHT <b>1,46 g</b>	SHEET <b>1/1</b>	

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

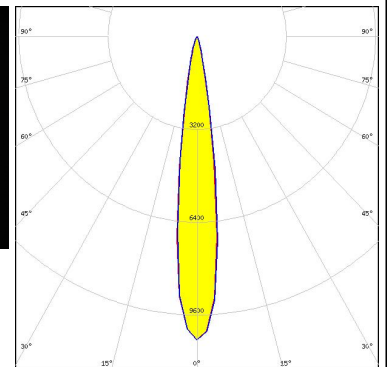
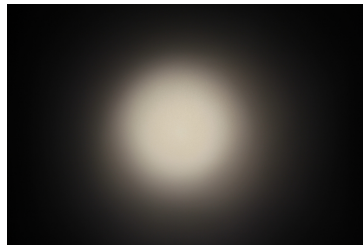
#### OPTICAL RESULTS (MEASURED):



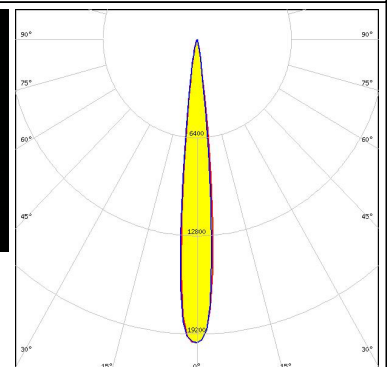
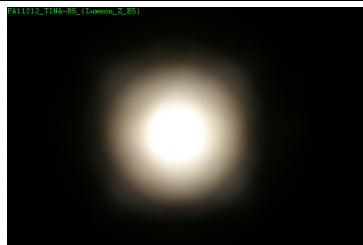
LED XB-H  
 FWHM / FWTM 15.0° / 26.0°  
 Efficiency 88 %  
 Peak intensity 10.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON Rebel  
 FWHM / FWTM 10.0° / 20.0°  
 Efficiency 93 %  
 Peak intensity 16.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON TX  
 FWHM / FWTM 15.0° / 28.0°  
 Efficiency 88 %  
 Peak intensity 10.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

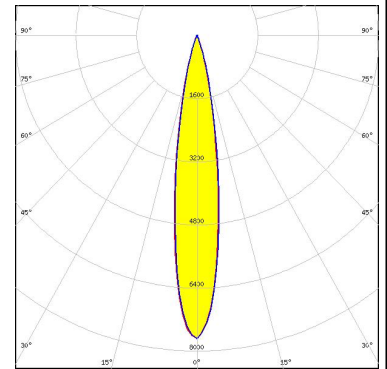


LED LUXEON Z ES  
 FWHM / FWTM 12.0° / 20.0°  
 Efficiency 89 %  
 Peak intensity 19.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

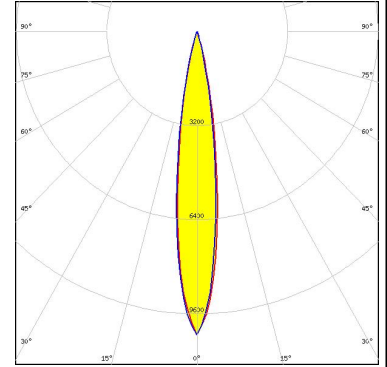
### OPTICAL RESULTS (SIMULATED):



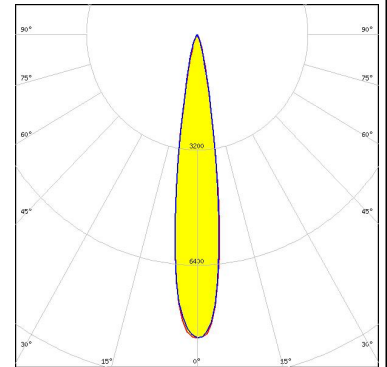
LED XB-D  
 FWHM / FWTM 18.0° / 34.0°  
 Efficiency 89 %  
 Peak intensity 7.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



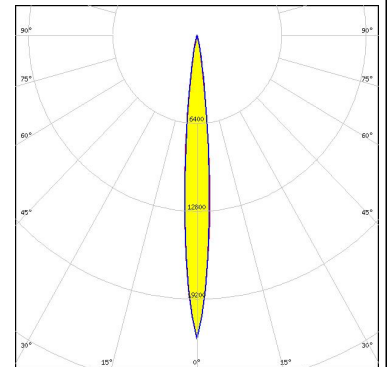
LED LUXEON CZ  
 FWHM / FWTM 16.0° / 30.0°  
 Efficiency 92 %  
 Peak intensity 10.3 cd/lm  
 LEDs/each optic 1  
 Light colour Red  
 Required components:



LED LUXEON H50-2  
 FWHM / FWTM 16.0° / 31.0°  
 Efficiency 92 %  
 Peak intensity 8.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



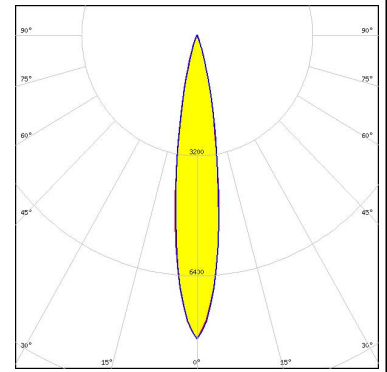
LED LUXEON HL1Z  
 FWHM / FWTM 10.0° / 20.0°  
 Efficiency 90 %  
 Peak intensity 22.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OPTICAL RESULTS (SIMULATED):

#### LUMILEDS

LED LUXEON HL2Z  
FWHM / FWTM 16.0° / 33.0°  
Efficiency 91 %  
Peak intensity 8.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### LUMILEDS

LED LUXEON T  
FWHM / FWTM 16.0° / 30.0°  
Efficiency 92 %  
Peak intensity 8.8 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:

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