

## 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 ⓘ

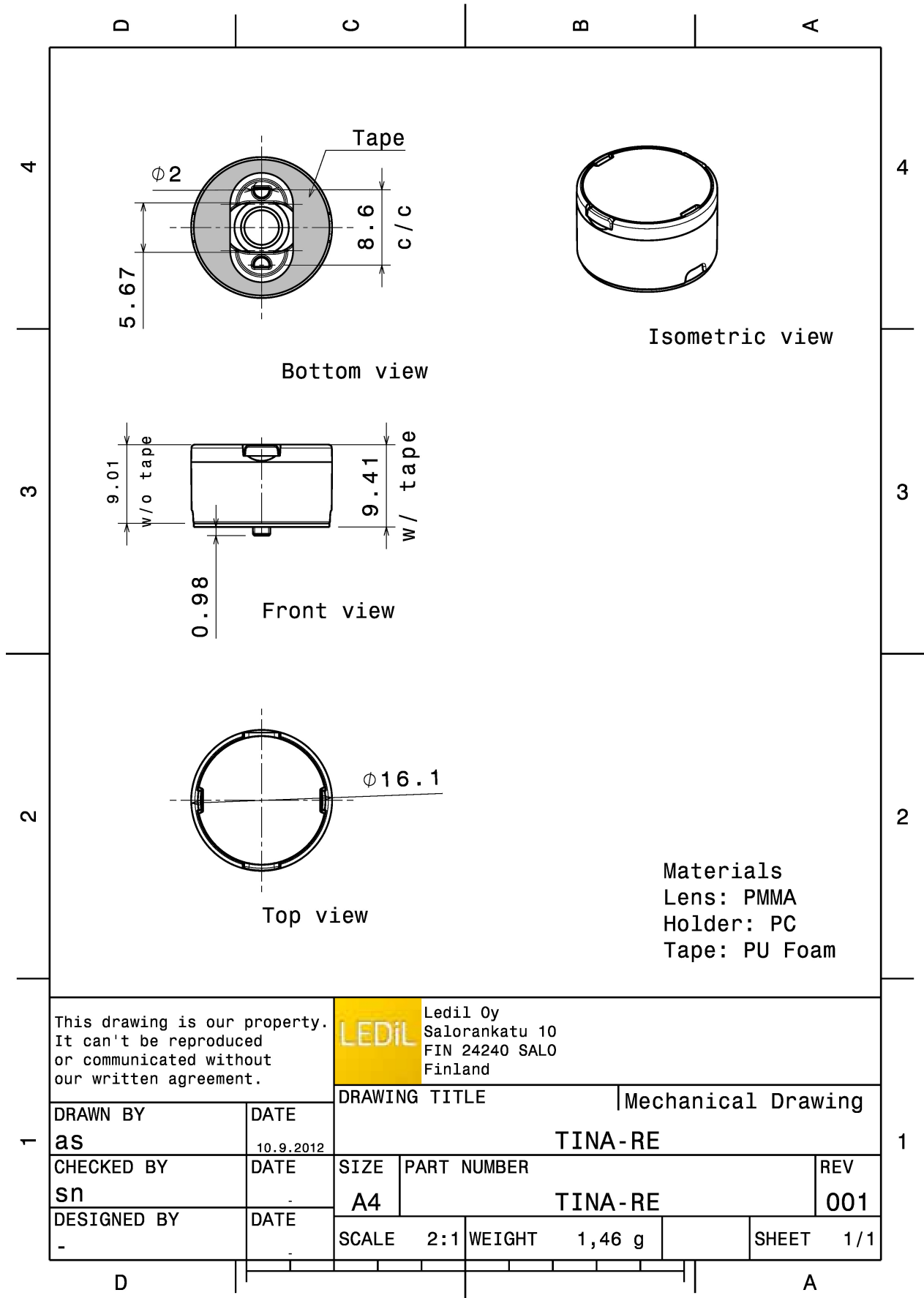


### MATERIALS:

Component	Type	Material	Colour	Finish	Length
TINA-XP-RS	Single lens	PMMA	clear		16.0
TINA-H-TAPE-RE-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)
FA11212_TINA-RS » Box size: 470 x 240 x 105 mm	2016	288	144	4.1

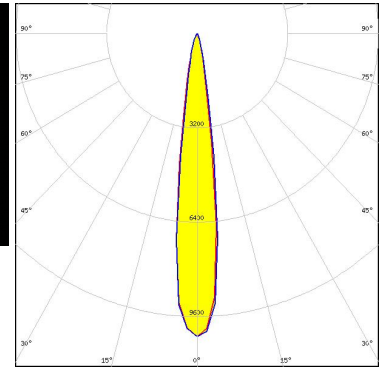
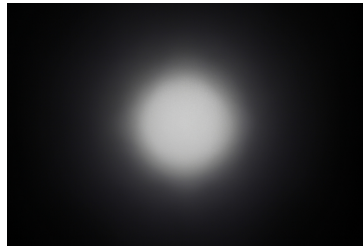


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### 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/type** White  
**Required components:**



Light distribution files

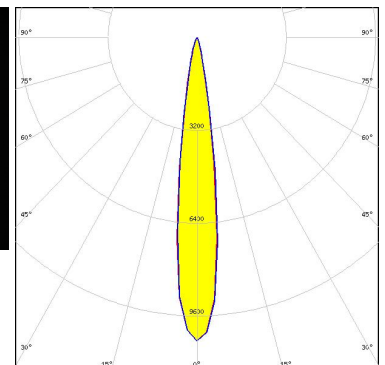
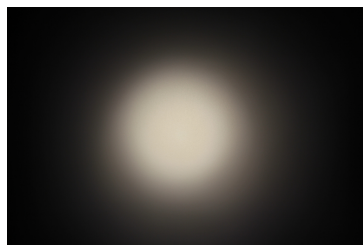


**LED** LUXEON Rebel  
**FWHM / FWTM** 10.0° / 20.0°  
**Efficiency** 93 %  
**Peak intensity** 16.9 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

Light distribution files



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

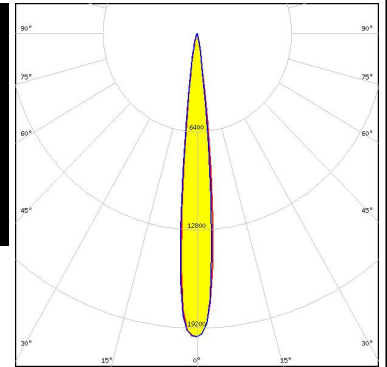


Light distribution files

#### OPTICAL RESULTS (MEASURED):



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

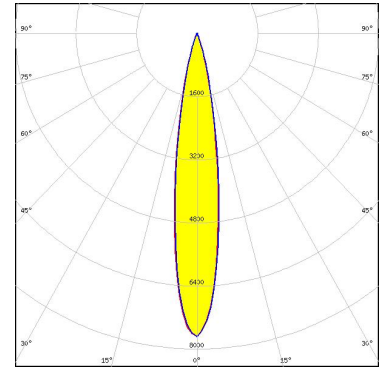


Light distribution files

### OPTICAL RESULTS (SIMULATED):



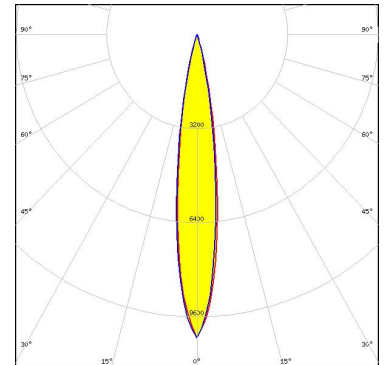
LED XB-D  
FWHM / FWTM 18.0° / 34.0°  
Efficiency 89 %  
Peak intensity 7.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



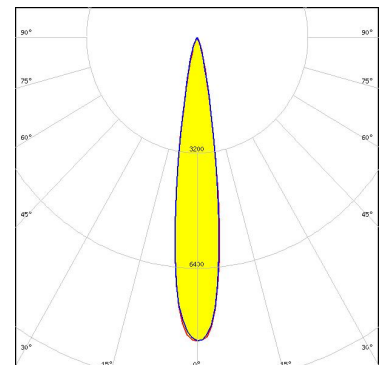
LED LUXEON CZ  
FWHM / FWTM 16.0° / 30.0°  
Efficiency 92 %  
Peak intensity 10.3 cd/lm  
LEDs/each optic 1  
Light colour/type Red  
Required components:



Light distribution files



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

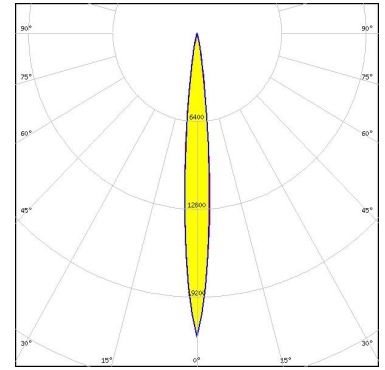


Light distribution files

### OPTICAL RESULTS (SIMULATED):



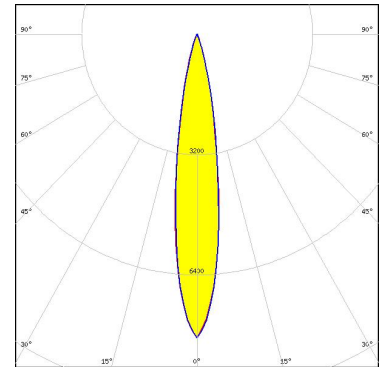
LED LUXEON HL1Z  
FWHM / FWTM 10.0° / 20.0°  
Efficiency 90 %  
Peak intensity 22.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



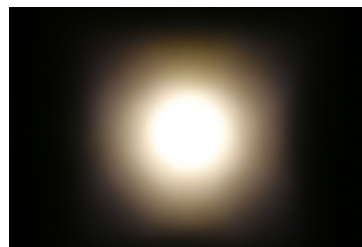
LED LUXEON HL2Z  
FWHM / FWTM 16.0° / 33.0°  
Efficiency 91 %  
Peak intensity 8.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



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