

## TINA-D

~16° diffused spot beam optimized for LUXEON Rebel. Assembly with holder, installation tape and location pins.

### TECHNICAL SPECIFICATIONS:

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

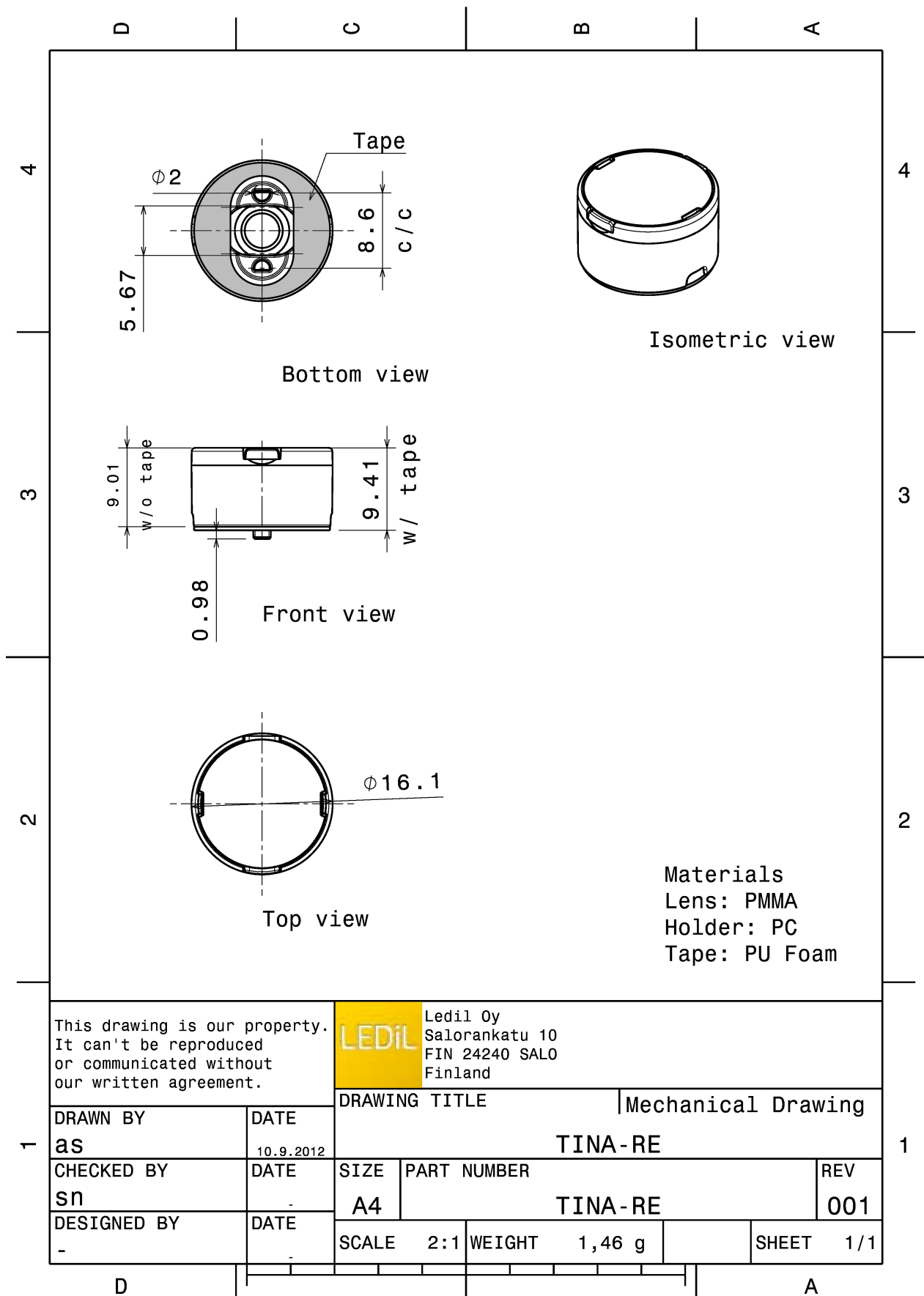
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
TINA-D	Single lens	PMMA	clear	
TINA-H-TAPE-RE-BLK	Holder	PC	black	
TINA-TAPE3	Tape	PU tape	black	

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11209_TINA-D	Single lens	2016	288	144	4.0
» Box size:					

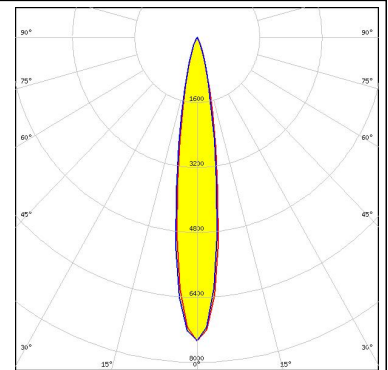
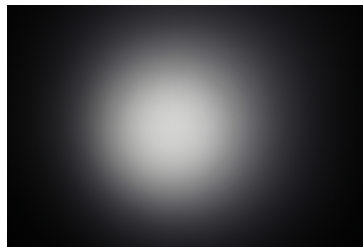




## PHOTOMETRIC DATA (MEASURED):



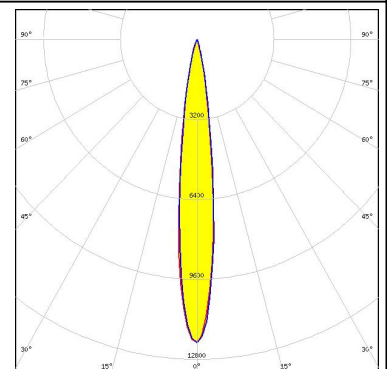
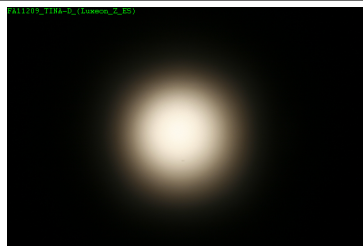
LED XB-H  
FWHM 17.0°  
Efficiency 87 %  
Peak intensity 7.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON Rebel  
FWHM 15.0°  
Efficiency 92 %  
Peak intensity 5.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



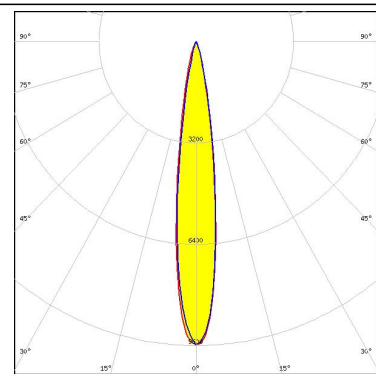
LED LUXEON Z ES  
FWHM 14.0°  
Efficiency 89 %  
Peak intensity 12 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



## PHOTOMETRIC DATA (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM	15.0°
Efficiency	92 %
Peak intensity	9.6 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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