

## TINA-RS

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

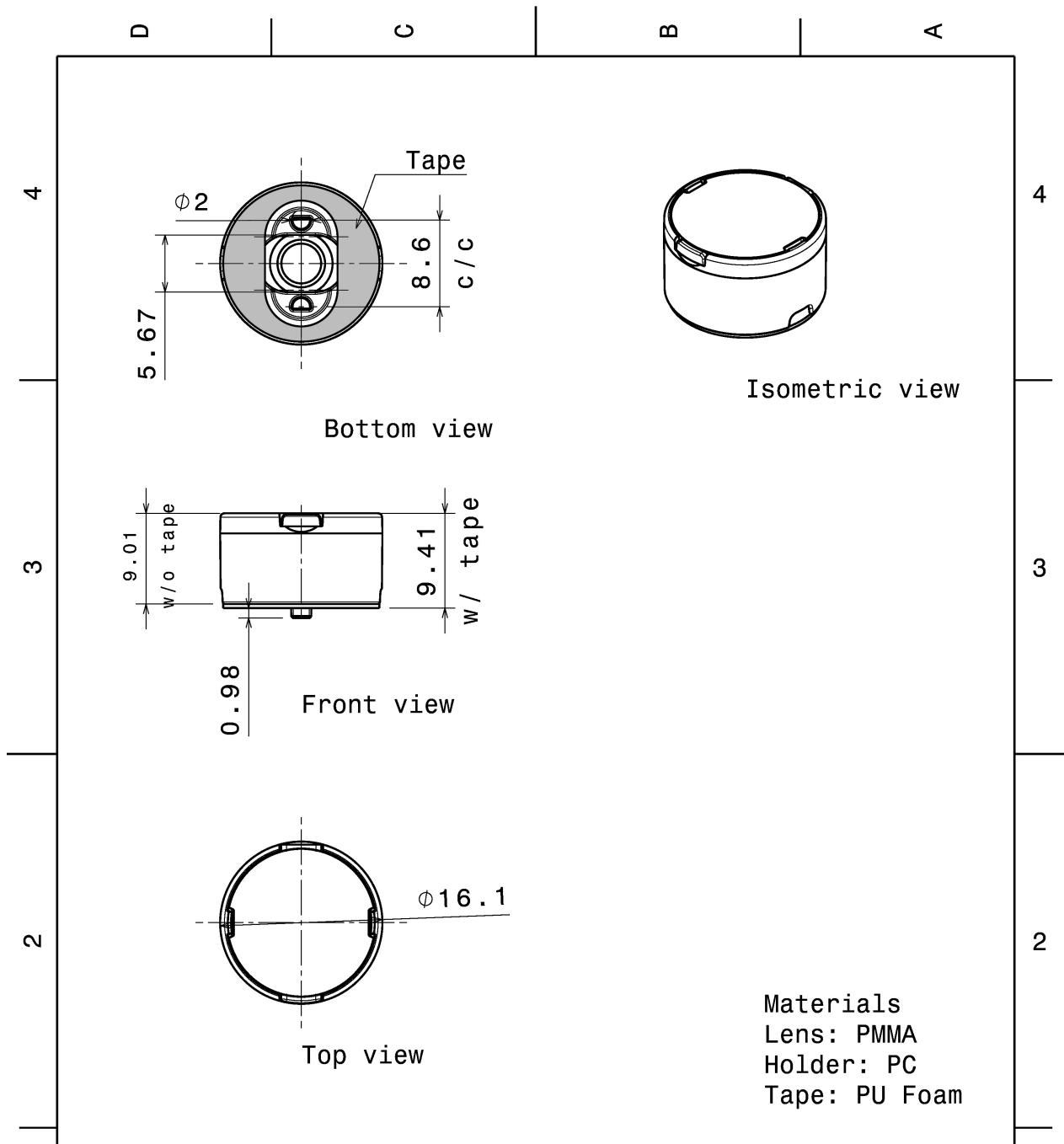
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.4 mm
Fastening	tape, pin
Colour	black
Box size	470 x 240 x 105 mm
Box weight	4.1 kg
Quantity in Box	2016 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
TINA-XP-RS	Lens	PMMA	clear
TINA-H-TAPE-RE-BLK	Holder	PC	black
TINA-TAPE3	Tape	PU tape	black



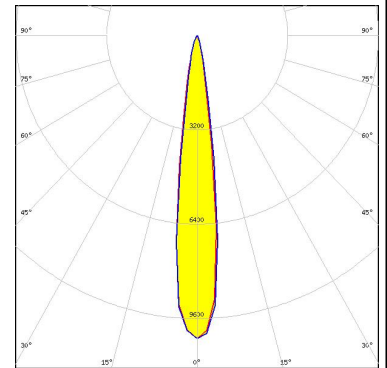
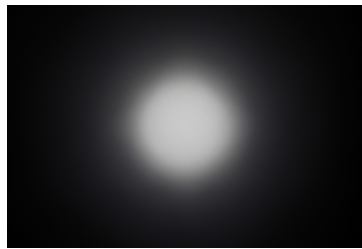
Materials  
 Lens: PMMA  
 Holder: PC  
 Tape: PU Foam

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	
DRAWING TITLE		Mechanical Drawing	
DRAWN BY	DATE	TINA-RE	
as	10.9.2012		
CHECKED BY	DATE	SIZE	PART NUMBER
sn	-	A4	TINA-RE
DESIGNED BY	DATE	SCALE	WEIGHT
-	-	2:1	1,46 g
		SHEET	1/1

#### PHOTOMETRIC DATA (MEASURED):



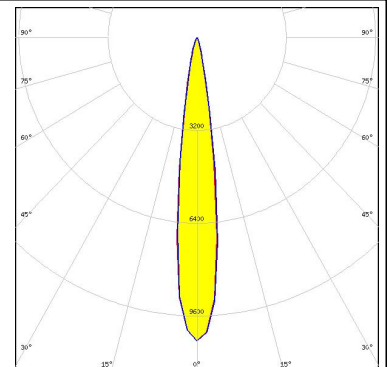
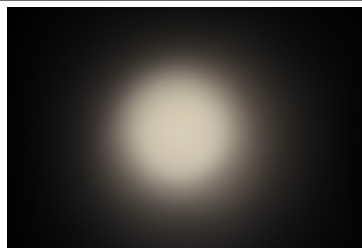
LED XB-H  
 FWHM 15.0°  
 Efficiency 88 %  
 Peak intensity 10.300 cd/Im  
 Required components:



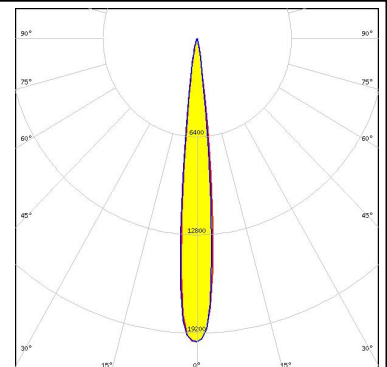
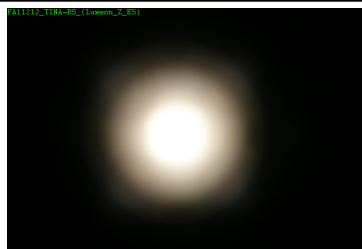
LED LUXEON Rebel  
 FWHM 10.0°  
 Efficiency 93 %  
 Peak intensity 16.900 cd/Im  
 Required components:



LED LUXEON TX  
 FWHM 15.0°  
 Efficiency 88 %  
 Peak intensity 10.500 cd/Im  
 Required components:



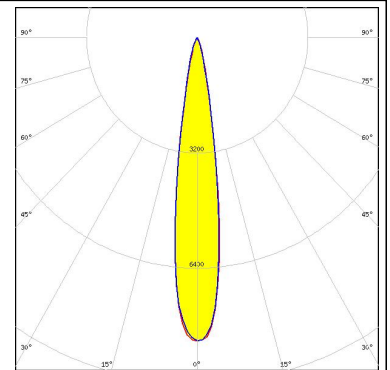
LED LUXEON Z ES  
 FWHM 12.0°  
 Efficiency 89 %  
 Peak intensity 19.800 cd/Im  
 Required components:



### PHOTOMETRIC DATA (SIMULATED):

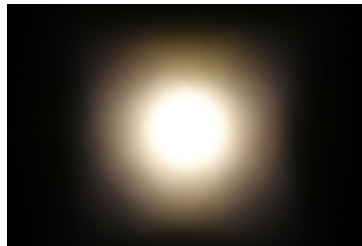
#### LUMILEDS

LED LUXEON H50-2  
FWHM 16.0°  
Efficiency 92 %  
Peak intensity 8.500 cd/lm  
Required components:



#### LUMILEDS

LED LUXEON T  
FWHM 16.0°  
Efficiency 92 %  
Peak intensity 8.840 cd/lm  
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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