

## TINA-M

~30° medium beam optimized for LUXEON Rebel. Assembly with holder and installation tape.

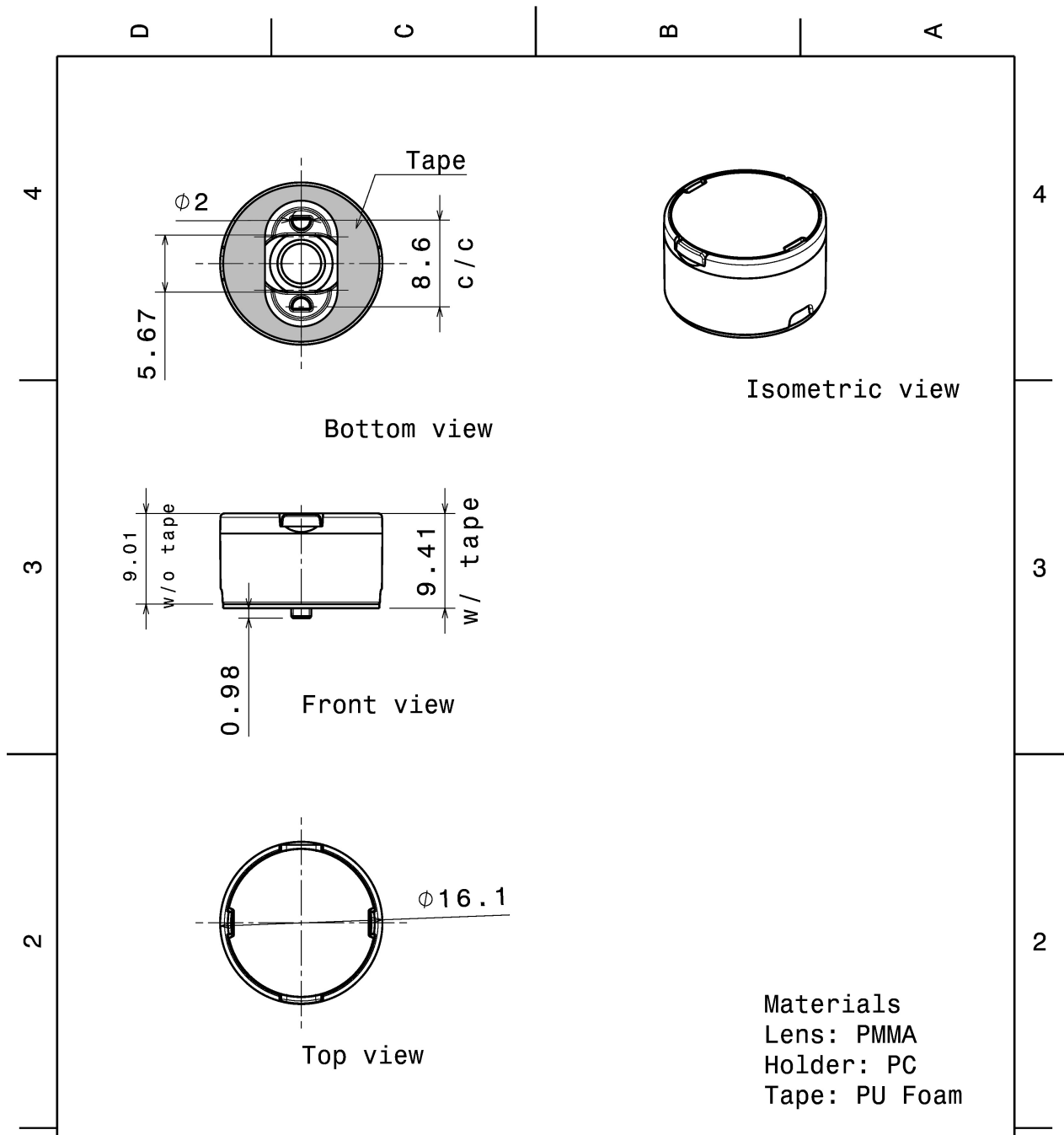
### TECHNICAL SPECIFICATIONS:

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



### MATERIAL SPECIFICATIONS:

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

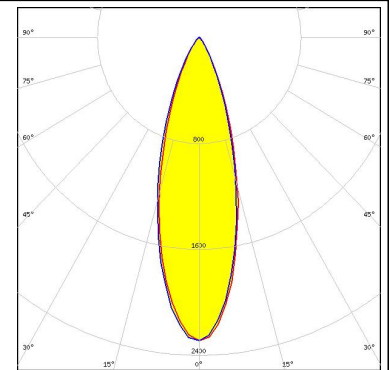
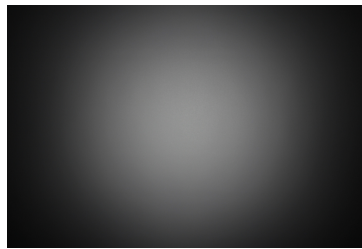


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DRAWING TITLE		Mechanical Drawing	
DRAWN BY	DATE	TINA-RE	
as	10.9.2012		
CHECKED BY	DATE	SIZE	PART NUMBER
sn	-	A4	TINA-RE
DESIGNED BY	DATE	SCALE	WEIGHT
-	-	2:1	1,46 g
		SHEET	1/1

### PHOTOMETRIC DATA (MEASURED):



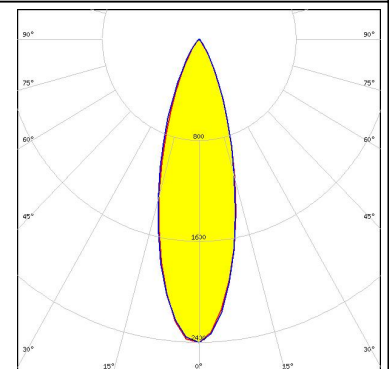
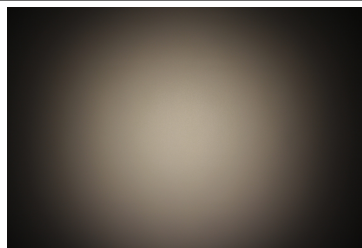
LED XB-H  
 FWHM 30.0°  
 Efficiency 81 %  
 Peak intensity 2.300 cd/lm  
 Required components:



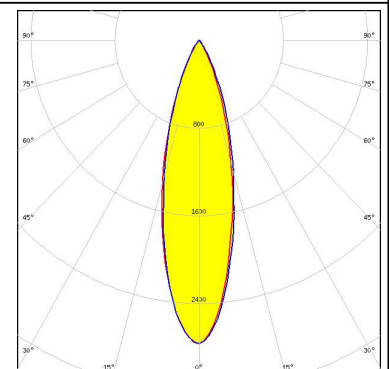
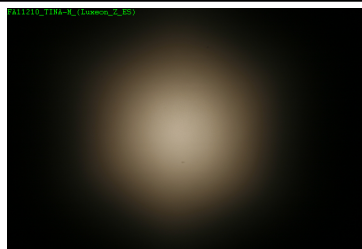
LED LUXEON Rebel  
 FWHM 28.0°  
 Efficiency 83 %  
 Peak intensity 1.760 cd/lm  
 Required components:



LED LUXEON TX  
 FWHM 31.0°  
 Efficiency 82 %  
 Peak intensity 2.400 cd/lm  
 Required components:



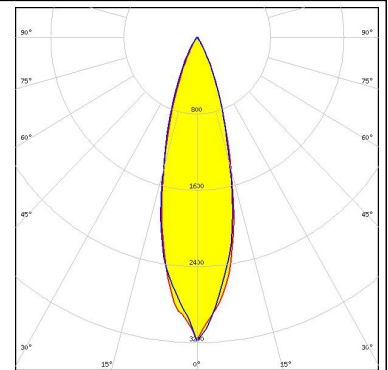
LED LUXEON Z ES  
 FWHM 29.0°  
 Efficiency 84 %  
 Peak intensity 2.800 cd/lm  
 Required components:



### PHOTOMETRIC DATA (SIMULATED):

#### LUMILEDS

LED LUXEON H50-2  
FWHM 28.0°  
Efficiency 90 %  
Peak intensity 3.200 cd/lm  
Required components:



#### LUMILEDS

LED LUXEON T  
FWHM 30.0°  
Efficiency 90 %  
Peak intensity 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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