

## TINA-D

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

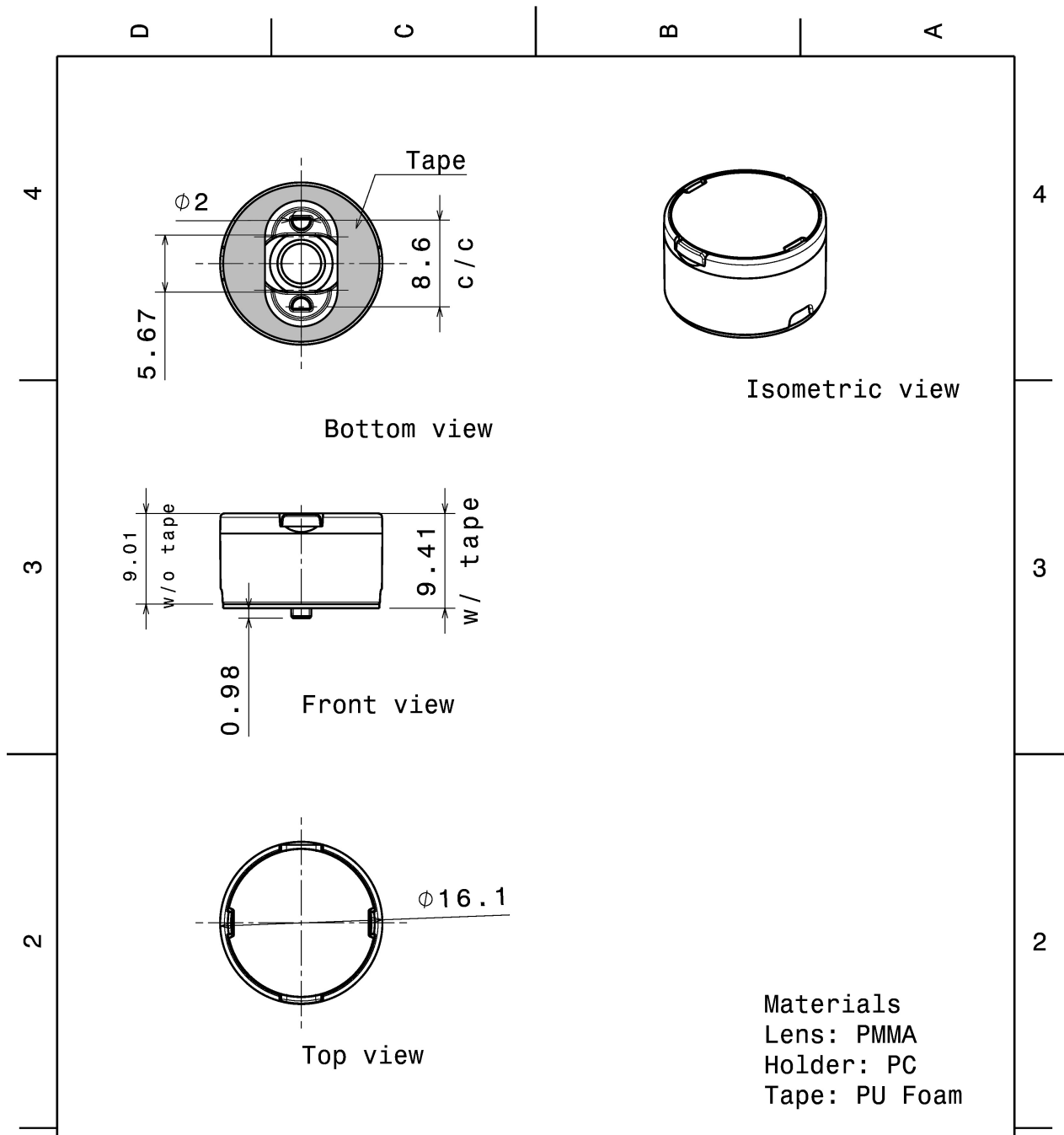
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.4 mm
Fastening	tape, pin
Colour	black
Box size	
Box weight	4 kg
Quantity in Box	2016 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

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

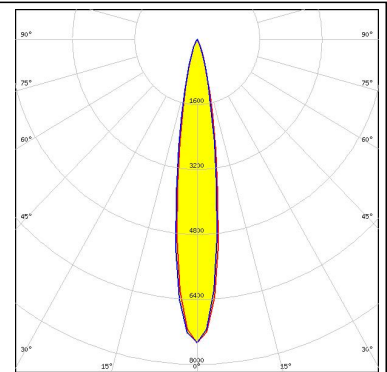
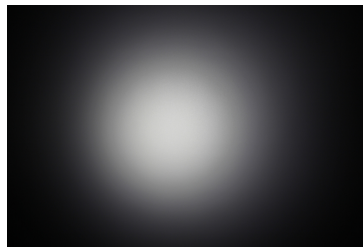


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DRAWING TITLE		Mechanical Drawing	
DRAWN BY	DATE	TINA-RE	
as	10.9.2012		
CHECKED BY	DATE	SIZE	PART NUMBER
sn	-	A4	TINA-RE
DESIGNED BY	DATE	SCALE	WEIGHT
-	-	2:1	1,46 g
		SHEET	1/1

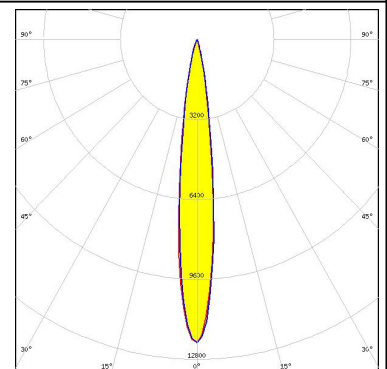
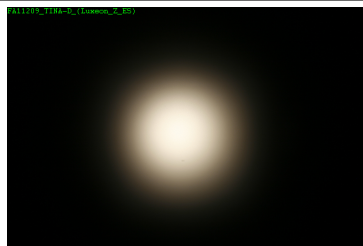
### PHOTOMETRIC DATA (MEASURED):



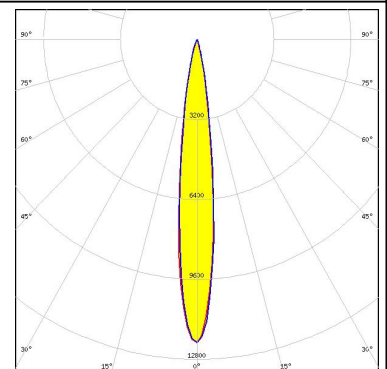
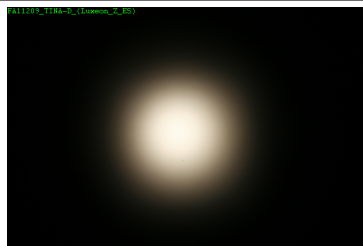
LED XB-H  
FWHM 17.0°  
Efficiency 87 %  
Peak intensity 7.500 cd/lm  
Required components:



LED LUXEON Rebel  
FWHM 15.0°  
Efficiency 92 %  
Peak intensity 5.470 cd/lm  
Required components:



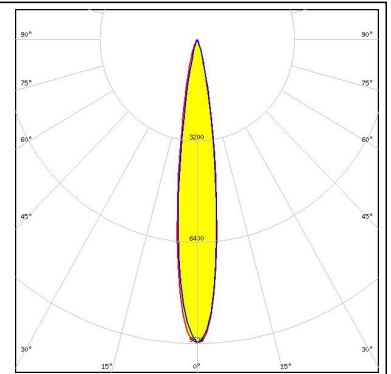
LED LUXEON Z ES  
FWHM 14.0°  
Efficiency 89 %  
Peak intensity 12.000 cd/lm  
Required components:



## PHOTOMETRIC DATA (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED Oslon Square Gen3  
FWHM 15.0°  
Efficiency 92 %  
Peak intensity 9.600 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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