



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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TINA-D

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

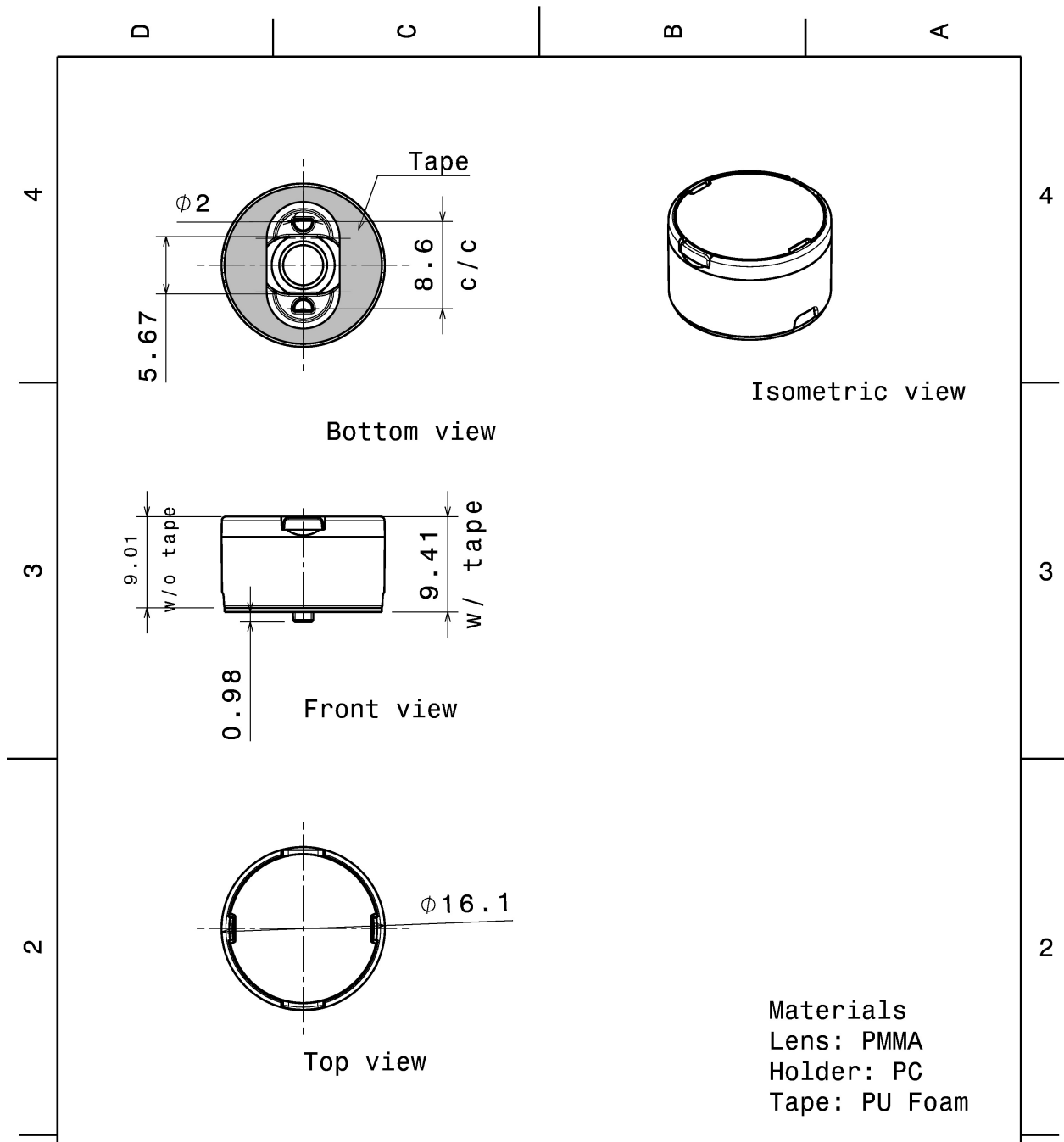
TECHNICAL SPECIFICATIONS:

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



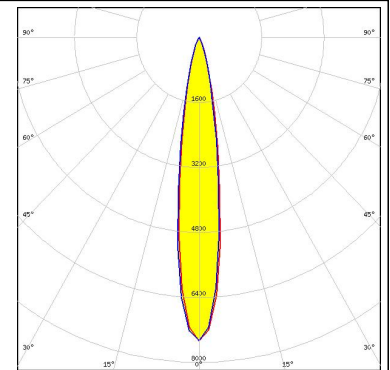
Materials
 Lens: PMMA
 Holder: PC
 Tape: PU Foam

This drawing is our property. It can't be reproduced or communicated without our written agreement.		LEDiL 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

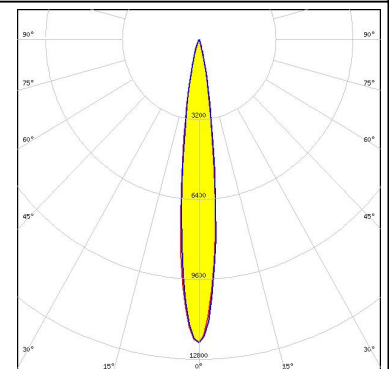
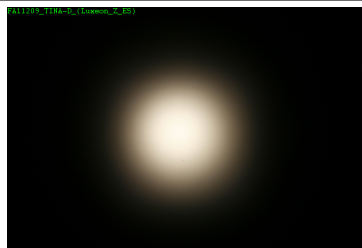
PHOTOMETRIC DATA (MEASURED):



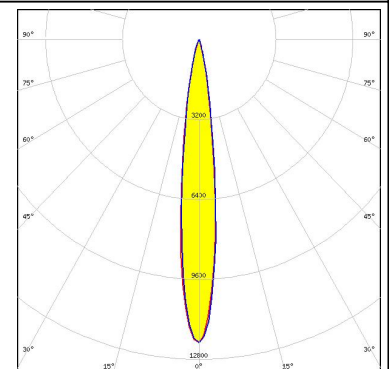
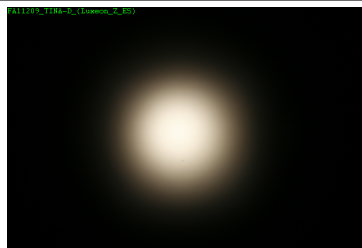
LED XB-H
FWHM 17.0°
Efficiency 87 %
Peak intensity 7.500 cd/lm
Required components:



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



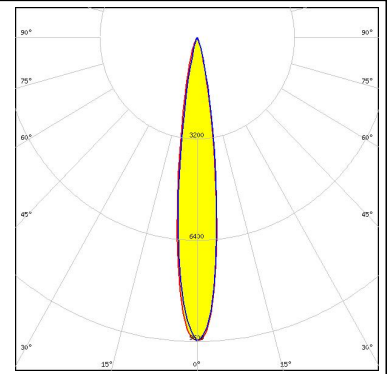
LED LUXEON Z ES
FWHM 14.0°
Efficiency 89 %
Peak intensity 12.000 cd/lm
Required components:



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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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