



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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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



TINA-M

~30° medium beam. Assembly with holder and installation tape.

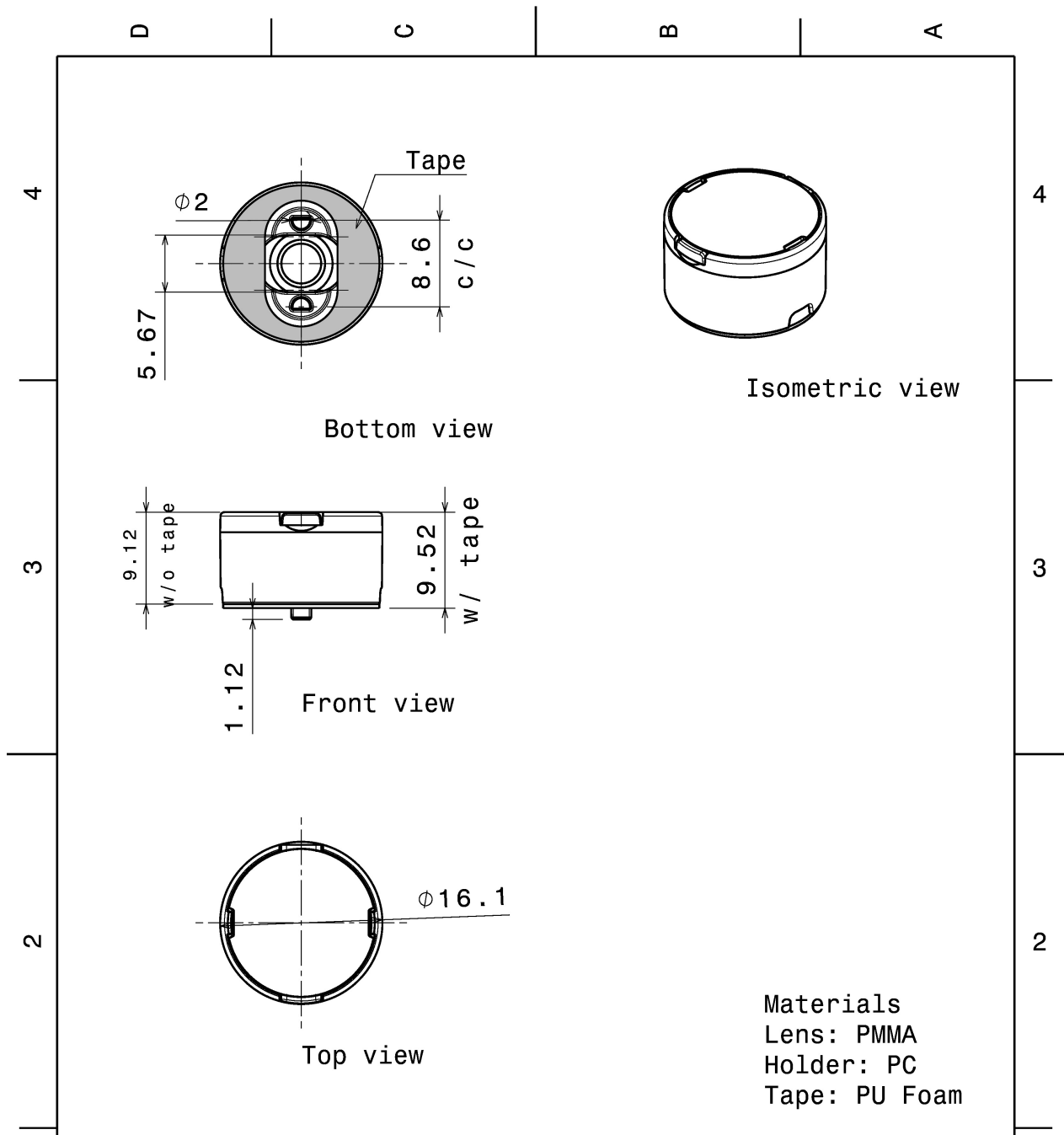
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.5 mm
Fastening	pin, tape
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-HLD-PIN-BLK	Holder	PC	black
TINA-TAPE3	Tape	PU tape	black

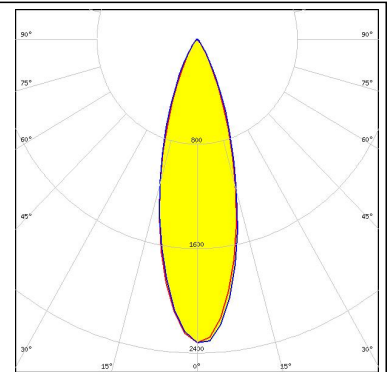
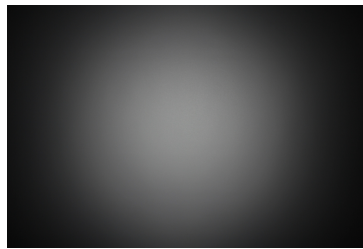


This drawing is our property. It can't be reproduced or communicated without our written agreement.		LEDiL Ledil Oy Salorankatu 10 FIN 24240 SALO Finland	
DRAWING TITLE		Mechanical Drawing	
DRAWN BY	DATE	TINA-OSL	
as	10.9.2012		
CHECKED BY	DATE	SIZE	PART NUMBER
sn	-	A4	TINA-OSL
DESIGNED BY	DATE	SCALE	WEIGHT
-	-	2:1	1,47 g
		SHEET	1/1

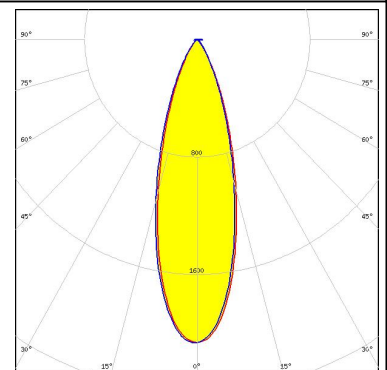
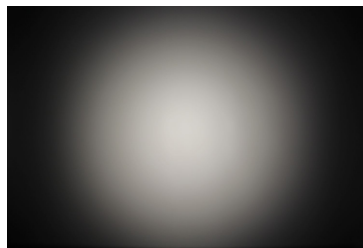
PHOTOMETRIC DATA (MEASURED):



LED XB-H
FWHM 31.0°
Efficiency 80 %
Peak intensity 2.300 cd/lm
Required components:



LED NVSW3x9A
FWHM 31.0°
Efficiency 78 %
Peak intensity 2.100 cd/lm
Required components:



LED Oslon SSL 150
FWHM 30.0°
Efficiency 85 %
Peak intensity 1.970 cd/lm
Required components:



LED Oslon SSL 80
FWHM 24.0°
Efficiency 83 %
Peak intensity 2.290 cd/lm
Required components:

PHOTOMETRIC DATA (MEASURED):

OSRAM Opto Semiconductors

LED SFH 4715S
FWHM 28.0°
Efficiency %
Peak intensity cd/lm
Required components:

OSRAM Opto Semiconductors

LED SFH 4725S
FWHM 27.0°
Efficiency %
Peak intensity cd/lm
Required components:

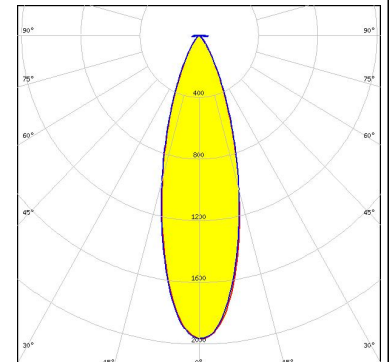
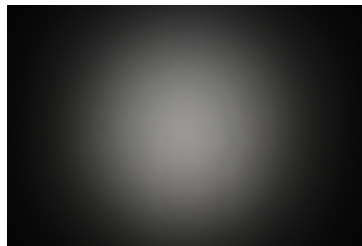
SAMSUNG

LED LH351A(3535)
FWHM 32.0°
Efficiency 91 %
Peak intensity 1.480 cd/lm
Required components:



SEOUL SEMICONDUCTOR

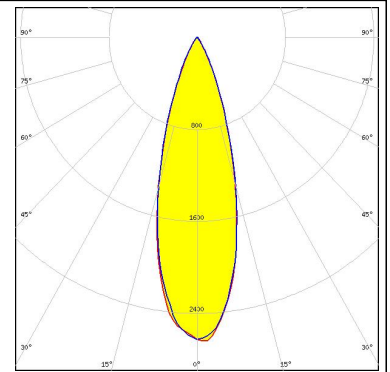
LED Z8Y22P
FWHM 30.0°
Efficiency 75 %
Peak intensity 1.970 cd/lm
Required components:



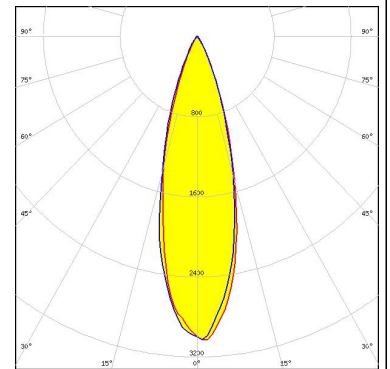
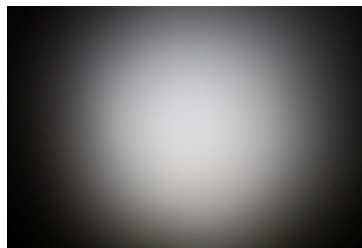
PHOTOMETRIC DATA (SIMULATED):



LED NVSxx19B/NVSxx19C
FWHM 30.0°
Efficiency 86 %
Peak intensity 2.700 cd/lm
Required components:



LED Duris S5 (2 chip)
FWHM 29.0°
Efficiency 90 %
Peak intensity 3.030 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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