



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!



## Contact us

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



## TINA-W

~50° wide beam. Assembly with holder and installation tape.

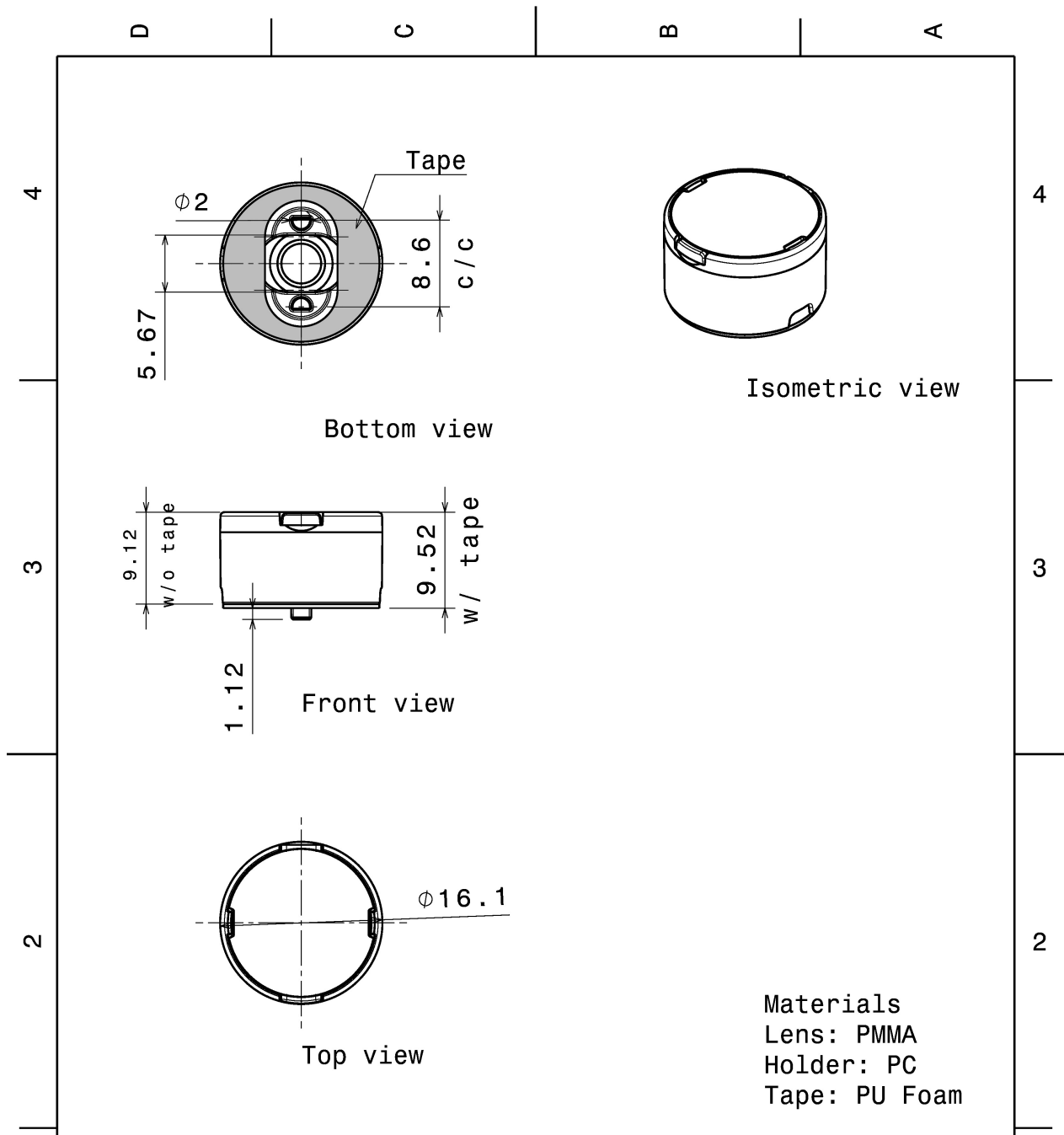
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.5 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-XP-W	Lens	PMMA	clear
TINA-HLD-PIN-BLK	Holder	PC	black
TINA-TAPE3	Tape	PU tape	black



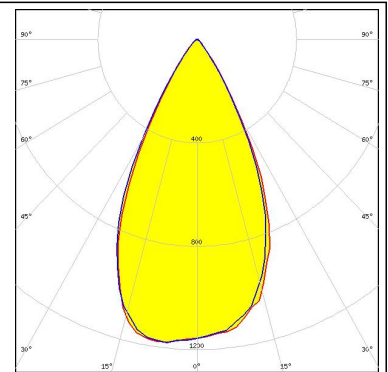
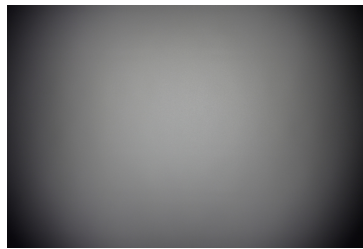
Materials  
 Lens: PMMA  
 Holder: PC  
 Tape: PU Foam

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-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

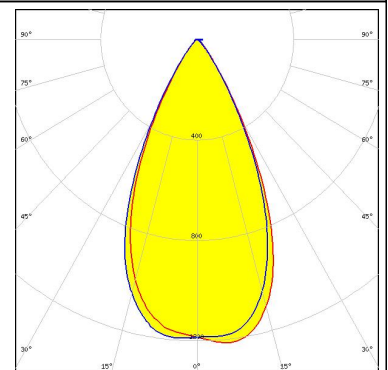
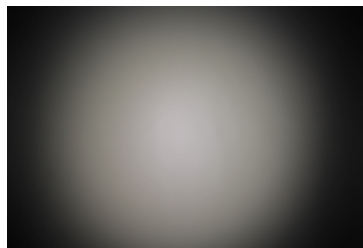
### PHOTOMETRIC DATA (MEASURED):



LED XB-H  
 FWHM 53.0°  
 Efficiency 87 %  
 Peak intensity 1.200 cd/lm  
 Required components:



LED NVSW3x9A  
 FWHM 50.0°  
 Efficiency 85 %  
 Peak intensity 1.200 cd/lm  
 Required components:



LED Oslon SSL 150  
 FWHM 50.0°  
 Efficiency 90 %  
 Peak intensity 0.900 cd/lm  
 Required components:



LED Oslon SSL 80  
 FWHM 48.0°  
 Efficiency 87 %  
 Peak intensity 1.100 cd/lm  
 Required components:

### PHOTOMETRIC DATA (MEASURED):

#### OSRAM Opto Semiconductors

LED SFH 4715S  
FWHM 32.0°  
Efficiency %  
Peak intensity cd/lm  
Required components:

#### OSRAM Opto Semiconductors

LED SFH 4725S  
FWHM 34.0°  
Efficiency %  
Peak intensity cd/lm  
Required components:

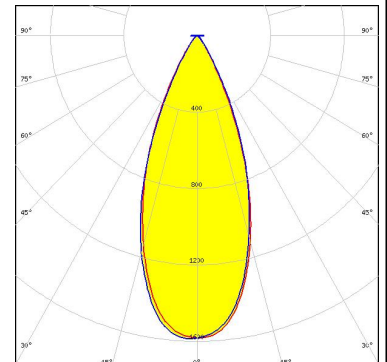
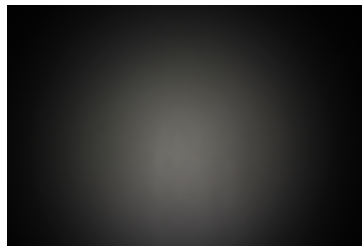
#### SAMSUNG

LED LH351A(3535)  
FWHM 54.0°  
Efficiency 91 %  
Peak intensity 0.790 cd/lm  
Required components:



SEOUL SEMICONDUCTOR

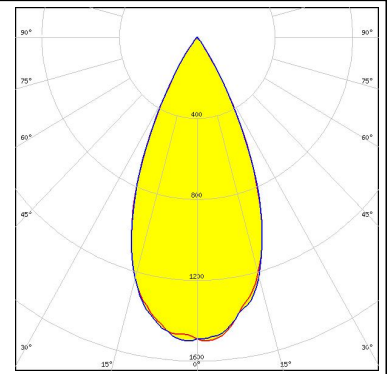
LED Z8Y22P  
FWHM 41.0°  
Efficiency 83 %  
Peak intensity 1.600 cd/lm  
Required components:



## PHOTOMETRIC DATA (SIMULATED):



LED NVSxx19B/NVSxx19C  
FWHM 47.0°  
Efficiency 88 %  
Peak intensity 1.500 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.

### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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