



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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Email & Skype: info@chipsmall.com Web: www.chipsmall.com

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



## MIRA-M

~30° medium beam

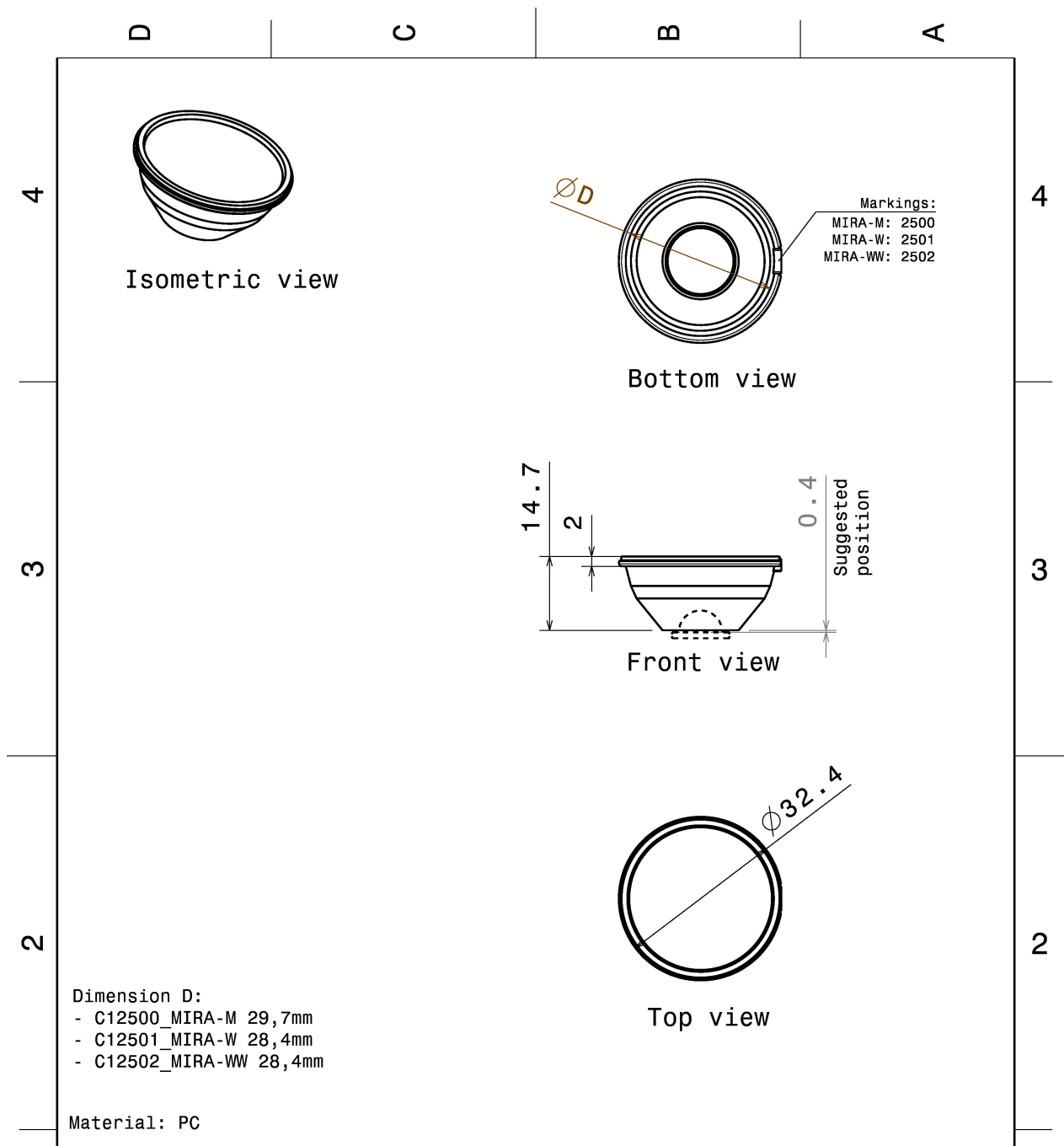
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 32.4 mm
Height	14.7 mm
Fastening	glue
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	7.3 kg
Quantity in Box	840 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
MIRA-M	Lens	PC	clear



This drawing is our property. It can't be reproduced or communicated without our written agreement.		<b>LEDiL</b> <small>A WORLD OF INNOVATION</small>		Ledil Oy Salorankatu 10 FIN 24240 SALO Finland	
<b>DRAWN BY</b> mav		<b>DATE</b> 02.04.2012		<b>DRAWING TITLE</b> Datasheet MIRA lens	
<b>CHECKED BY</b> sn		<b>DATE</b> 02.04.2012			
<b>DESIGNED BY</b> mav		<b>DATE</b> 29.11.2011		<b>SIZE</b> A4	<b>DRAWING NUMBER</b> -
		<b>SCALE</b> 1:1	<b>WEIGHT (g)</b>	<b>SHEET</b> 1/1	<b>REV</b> 1



## PHOTOMETRIC DATA (MEASURED):

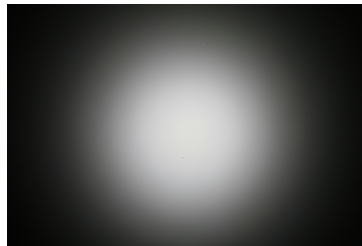
bridgelux

LED BXRA ES Star  
FWHM 30.0°  
Efficiency 82 %  
Peak intensity cd/lm  
Required components:



bridgelux

LED V10 Gen6  
FWHM 35.0°  
Efficiency 77 %  
Peak intensity 1.760 cd/lm  
Required components:

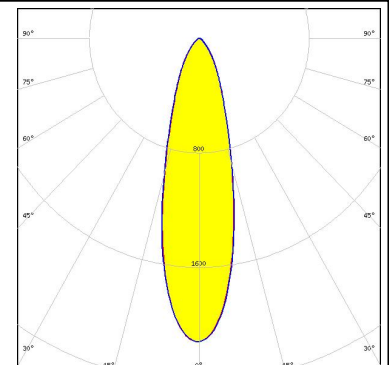
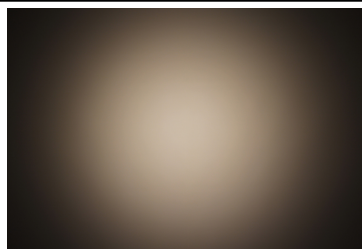


**CREE** ⇄

LED CXA/B 15xx  
FWHM 31.0°  
Efficiency 85 %  
Peak intensity 2.000 cd/lm  
Required components:

**CREE** ⇄

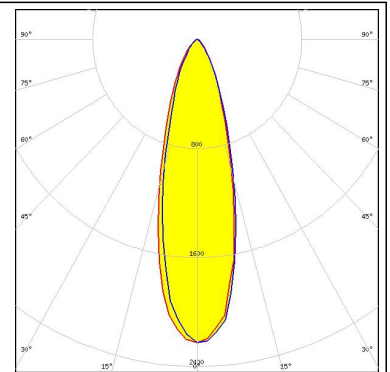
LED MHD-E/G  
FWHM 28.0°  
Efficiency 85 %  
Peak intensity 2.100 cd/lm  
Required components:



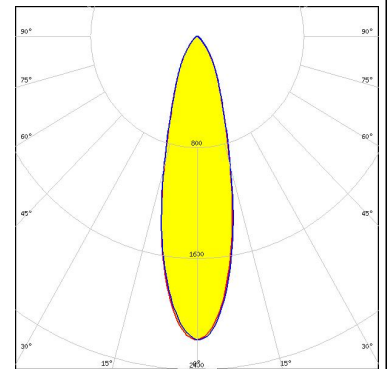
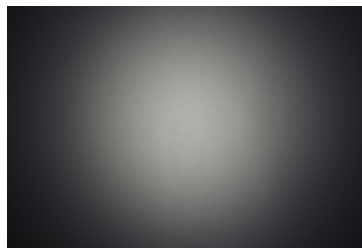
### PHOTOMETRIC DATA (MEASURED):



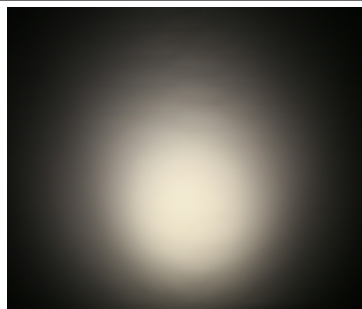
LED MT-G  
 FWHM 28.0°  
 Efficiency 83 %  
 Peak intensity 2.200 cd/lm  
 Required components:



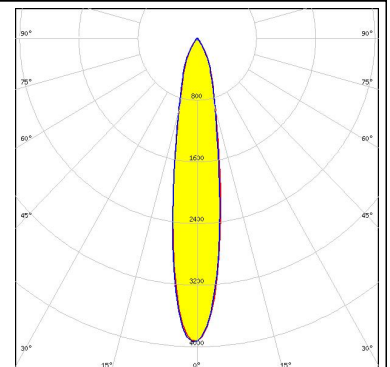
LED XHP70  
 FWHM 27.0°  
 Efficiency 83 %  
 Peak intensity 2.200 cd/lm  
 Required components:



LED LUXEON M/MX  
 FWHM 25.0°  
 Efficiency 81 %  
 Peak intensity cd/lm  
 Required components:



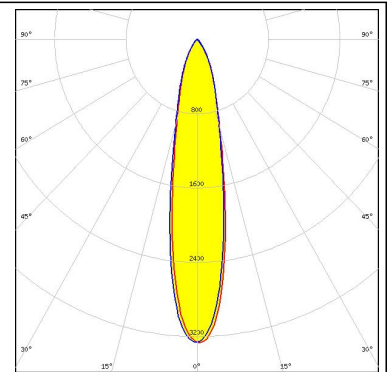
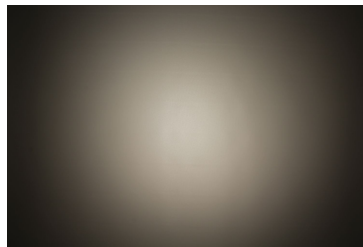
LED LUXEON MZ  
 FWHM 19.0°  
 Efficiency 81 %  
 Peak intensity 3.900 cd/lm  
 Required components:



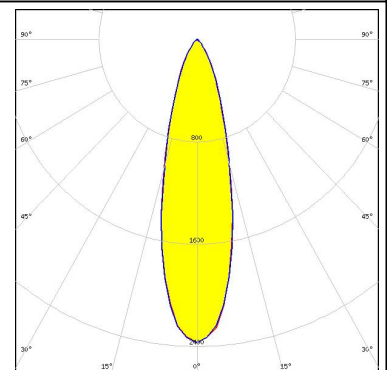
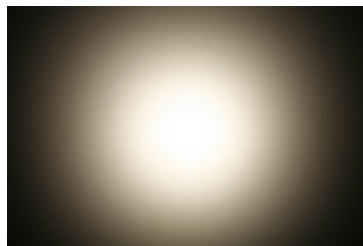
### PHOTOMETRIC DATA (MEASURED):



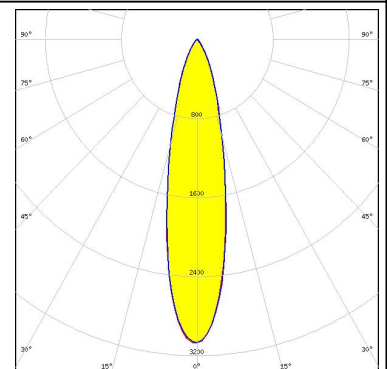
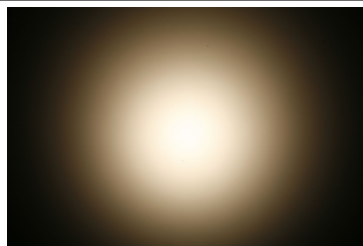
LED NFMW48xA  
FWHM 21.0°  
Efficiency 82 %  
Peak intensity 3.300 cd/lm  
Required components:



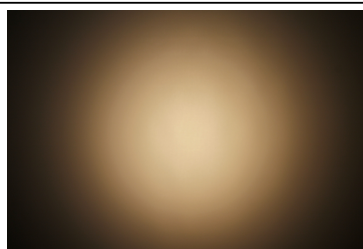
LED NSCxL036A  
FWHM 28.0°  
Efficiency 80 %  
Peak intensity 2.400 cd/lm  
Required components:



LED NSMx286M  
FWHM 23.0°  
Efficiency 80 %  
Peak intensity 3.050 cd/lm  
Required components:



LED Duris S10  
FWHM 22.0°  
Efficiency 83 %  
Peak intensity 3.600 cd/lm  
Required components:



## PHOTOMETRIC DATA (MEASURED):

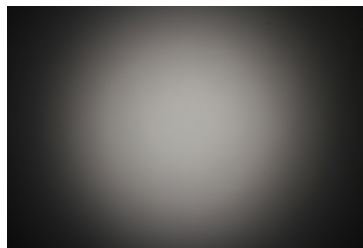
**OSRAM**  
Opto Semiconductors

LED Soleriq P6  
FWHM 25.0°  
Efficiency 78 %  
Peak intensity 2.880 cd/lm  
Required components:



**OSRAM**  
Opto Semiconductors

LED Soleriq P9  
FWHM 32.0°  
Efficiency 78 %  
Peak intensity 1.890 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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

### 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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