

## MIRA-WW

~60° wide beam

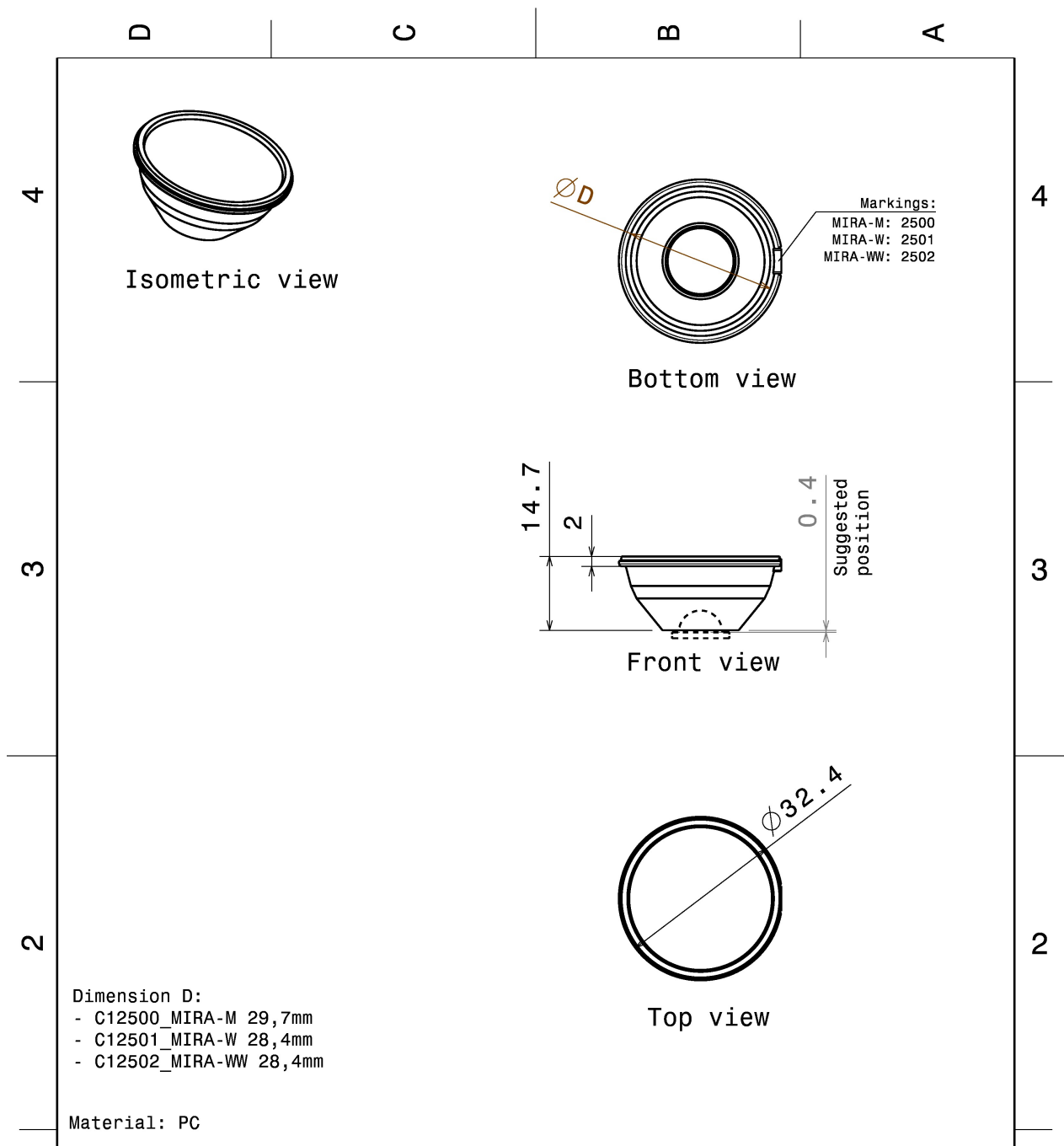
### TECHNICAL SPECIFICATIONS:

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-WW	Lens	PC	clear

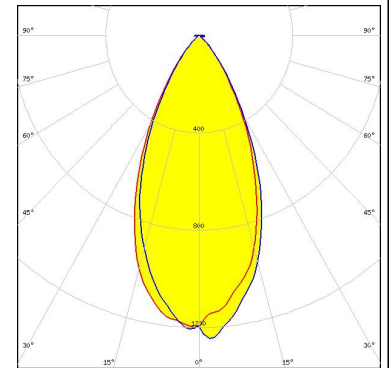
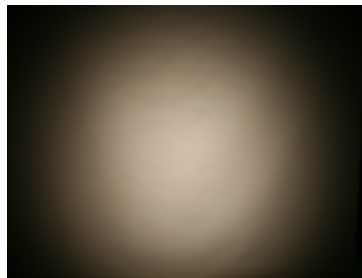


This drawing is our property. It can't be reproduced or communicated without our written agreement.		<b>LEDiL</b> A WORLD OF INNOVATION		Ledil Oy Salorankatu 10 FIN 24240 SALO Finland	
DRAWING TITLE		<b>Datasheet MIRA lens</b>			
DRAWN BY mav	DATE 02.04.2012	SIZE <b>A4</b>			REV <b>1</b>
CHECKED BY sn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

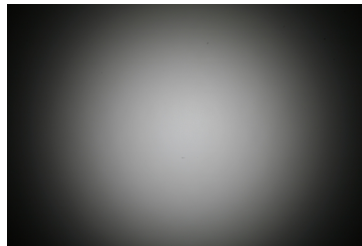
**PHOTOMETRIC DATA (MEASURED):**



LED BXRA ES Star  
 FWHM 54.0°  
 Efficiency 83 %  
 Peak intensity cd/lm  
 Required components:



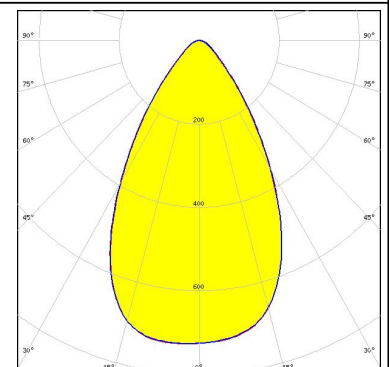
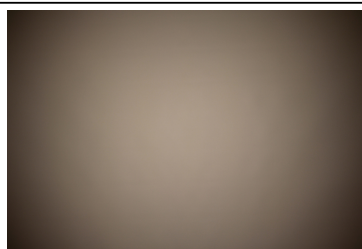
LED V10 Gen6  
 FWHM 56.0°  
 Efficiency 78 %  
 Peak intensity 0.920 cd/lm  
 Required components:



LED CXA/B 15xx  
 FWHM 53.0°  
 Efficiency 84 %  
 Peak intensity 1.100 cd/lm  
 Required components:



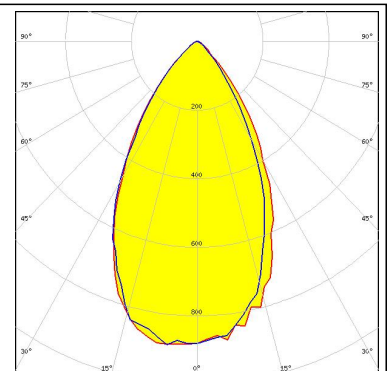
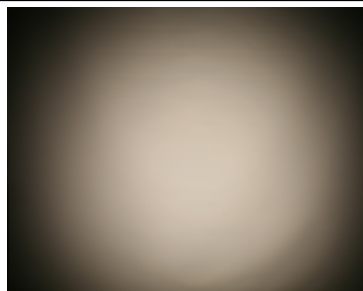
LED MHD-E/G  
 FWHM 61.0°  
 Efficiency 81 %  
 Peak intensity 0.730 cd/lm  
 Required components:



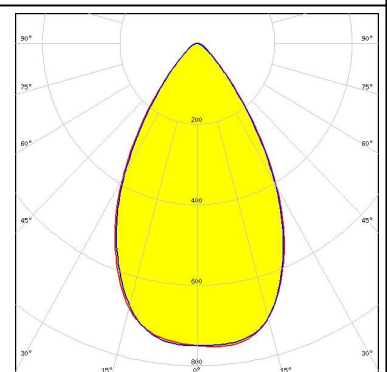
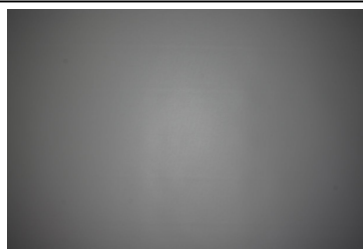
#### PHOTOMETRIC DATA (MEASURED):



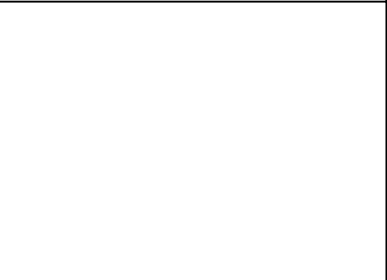
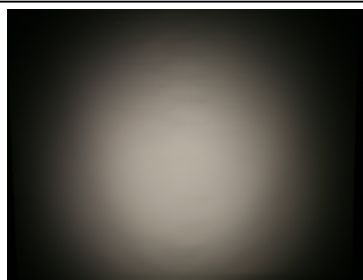
LED MT-G  
 FWHM 58.0°  
 Efficiency 81 %  
 Peak intensity 0.900 cd/lm  
 Required components:



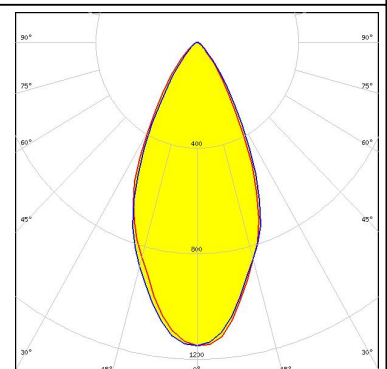
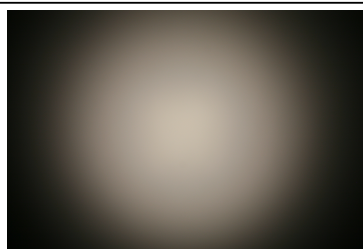
LED XHP70  
 FWHM 61.0°  
 Efficiency 82 %  
 Peak intensity 0.760 cd/lm  
 Required components:



LED LUXEON M/MX  
 FWHM 57.0°  
 Efficiency 82 %  
 Peak intensity cd/lm  
 Required components:



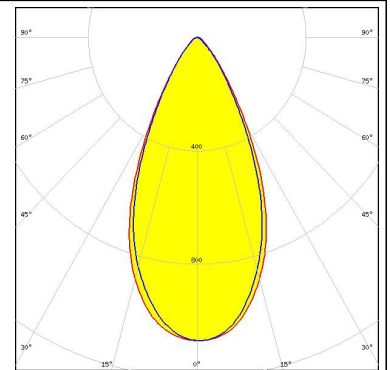
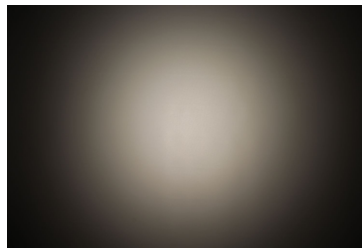
LED LUXEON MZ  
 FWHM 49.0°  
 Efficiency 81 %  
 Peak intensity 1.200 cd/lm  
 Required components:



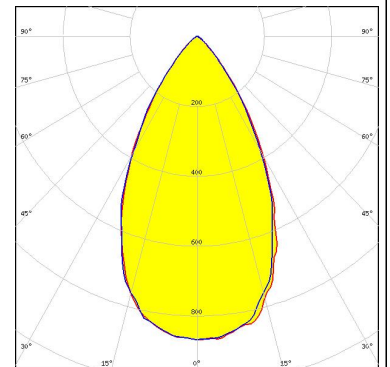
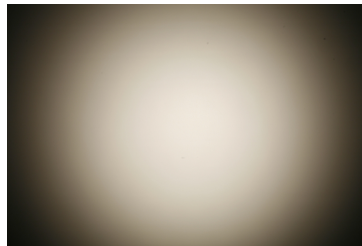
#### PHOTOMETRIC DATA (MEASURED):



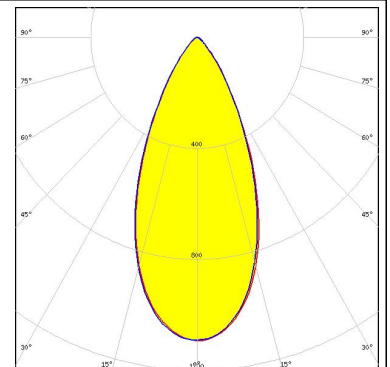
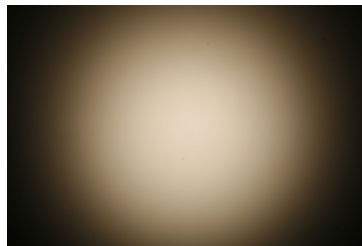
LED NFMW48xA  
 FWHM 50.0°  
 Efficiency 82 %  
 Peak intensity 1.100 cd/lm  
 Required components:



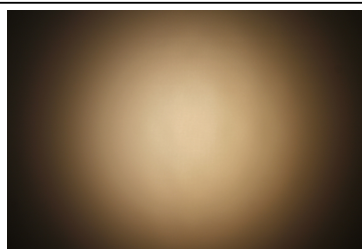
LED NSCxL036A  
 FWHM 57.0°  
 Efficiency 79 %  
 Peak intensity 0.900 cd/lm  
 Required components:



LED NSMx286M  
 FWHM 47.0°  
 Efficiency 76 %  
 Peak intensity 1.100 cd/lm  
 Required components:



LED Duris S10  
 FWHM 54.0°  
 Efficiency 86 %  
 Peak intensity 1.100 cd/lm  
 Required components:



## PHOTOMETRIC DATA (MEASURED):

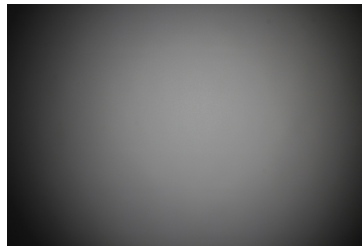
**OSRAM**  
Opto Semiconductors

LED Soleriq P6  
FWHM 55.0°  
Efficiency 78 %  
Peak intensity 0.960 cd/lm  
Required components:



**OSRAM**  
Opto Semiconductors

LED Soleriq P9  
FWHM 54.0°  
Efficiency 78 %  
Peak intensity 0.920 cd/lm  
Required components:



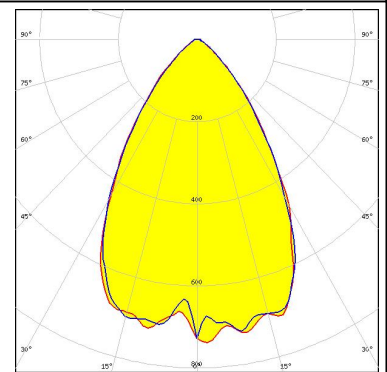
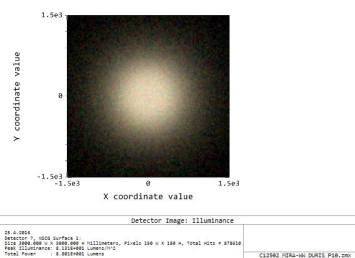
### PHOTOMETRIC DATA (SIMULATED):



LED LUXEON 5258  
FWHM 54.0°  
Efficiency 92 %  
Peak intensity 1.300 cd/lm  
Required components:



LED OSCONIQ P 7070  
FWHM 67.0°  
Efficiency 92 %  
Peak intensity 0.760 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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