


## MIRA-WW

~60° wide beam

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 32.4 mm
Height	14.7 mm
Fastening	glue
ROHS compliant	yes 

### MATERIAL SPECIFICATIONS:

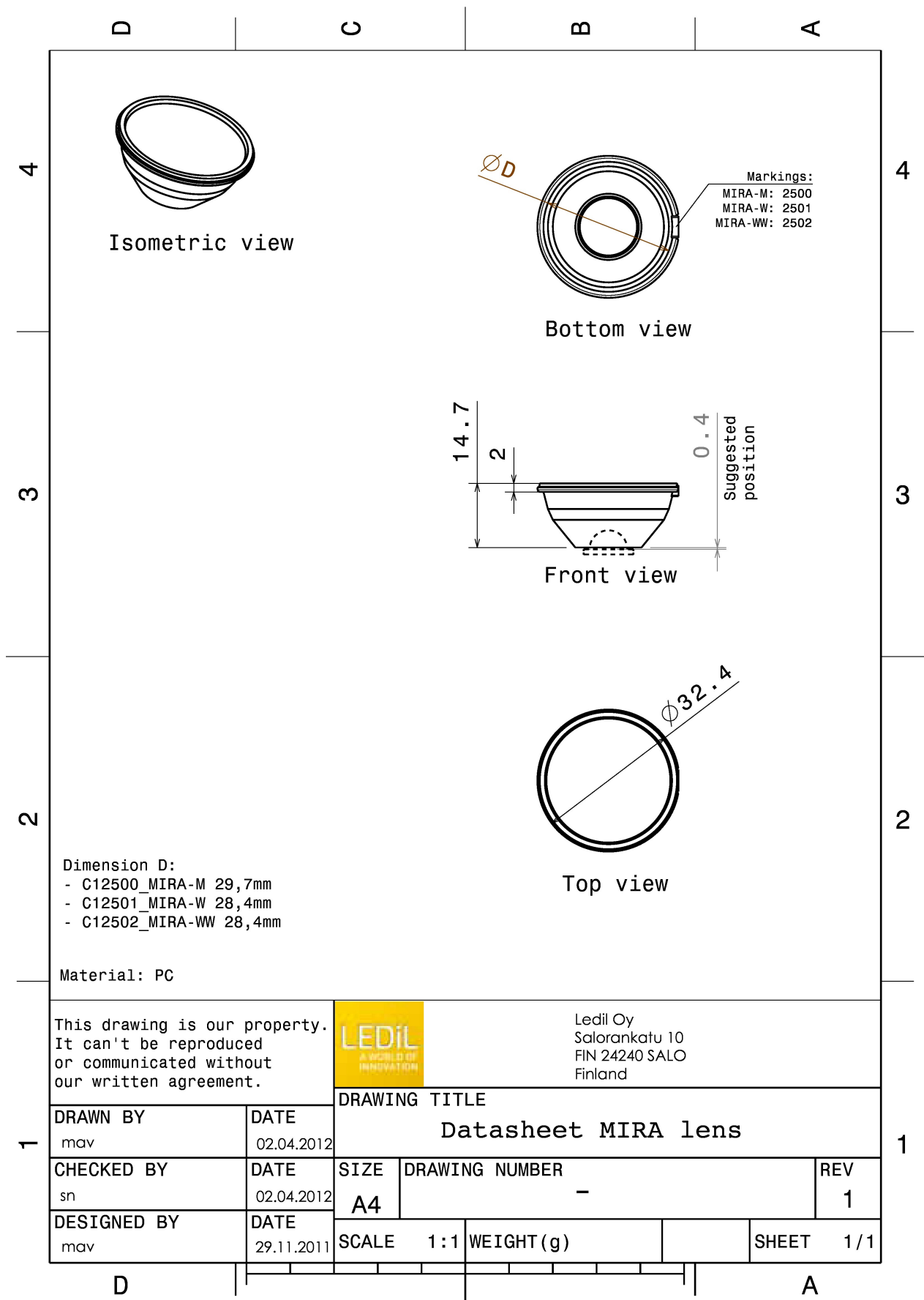
Component	Type
MIRA-WW	Single lens



Material	Colour	Finish
PC	clear	



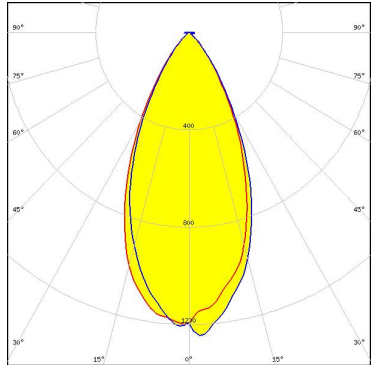

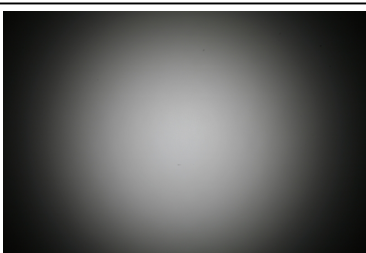


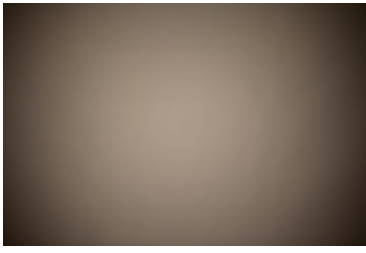
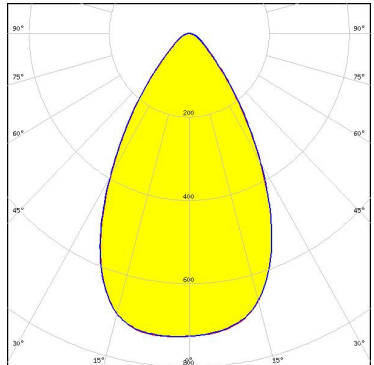
### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12502_MIRA-WW » Box size: 480 x 280 x 300 mm	840	120	60	7.3



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

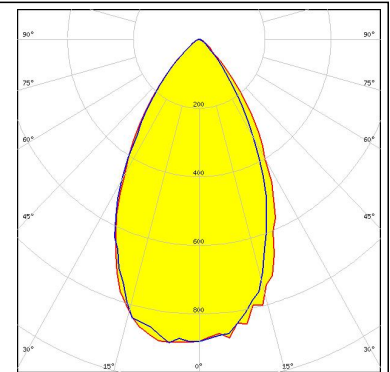
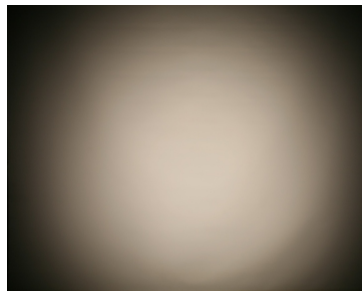
#### PHOTOMETRIC DATA (MEASURED):

<p></p> <p>LED BXRA ES Star            FWHM 54.0°            Efficiency 83 %            LEDs/each optic 1            Light colour White            Required components:</p>		
<p></p> <p>LED V10 Gen6            FWHM 56.0°            Efficiency 78 %            Peak intensity 0.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p></p> <p>LED CXA/B 15xx            FWHM 53.0°            Efficiency 84 %            Peak intensity 1.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p></p> <p>LED MHD-E/G            FWHM 61.0°            Efficiency 81 %            Peak intensity 0.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

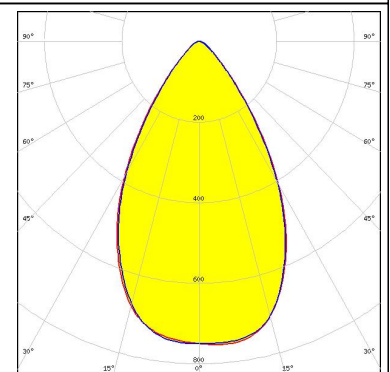
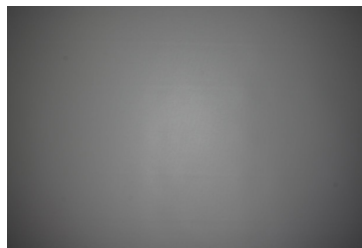
#### PHOTOMETRIC DATA (MEASURED):



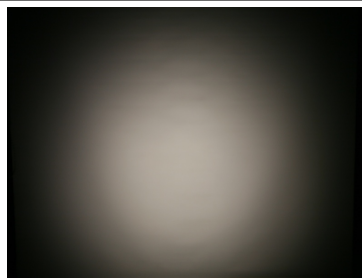
LED MT-G  
 FWHM 58.0°  
 Efficiency 81 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



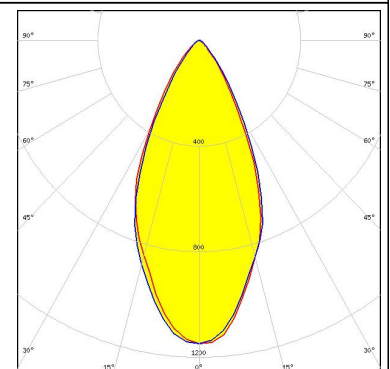
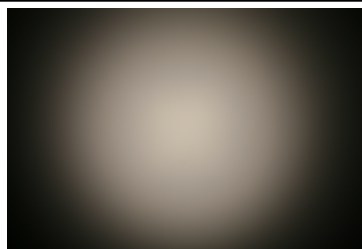
LED XHP70  
 FWHM 61.0°  
 Efficiency 82 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:




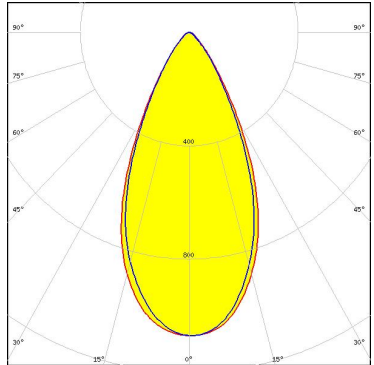
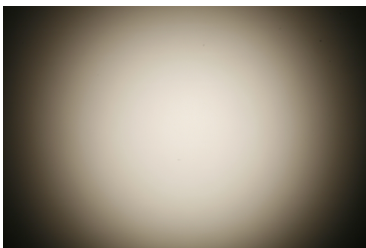
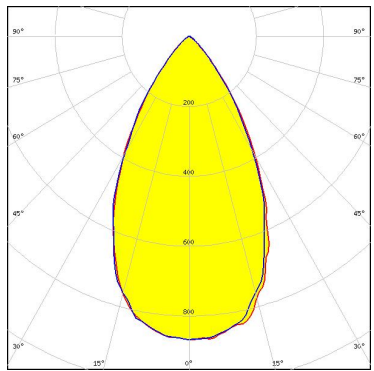
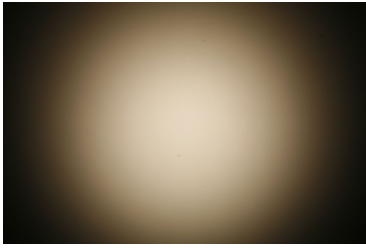
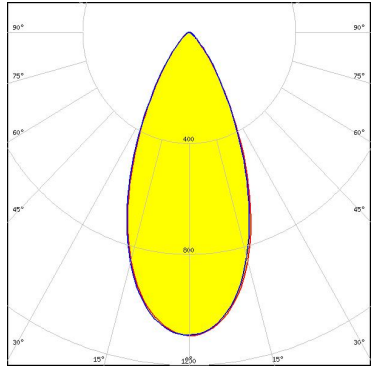
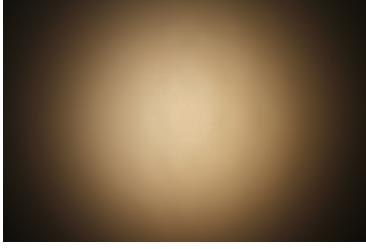

LED LUXEON M/MX  
 FWHM 57.0°  
 Efficiency 82 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON MZ  
 FWHM 49.0°  
 Efficiency 81 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



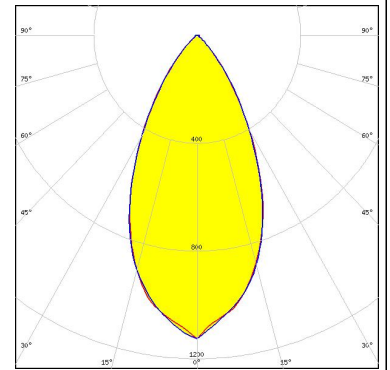
#### PHOTOMETRIC DATA (MEASURED):

<p><b>NICHIA</b></p> <p>LED NFMW48xA            FWHM 50.0°            Efficiency 82 %            Peak intensity 1.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NSCxL036A            FWHM 57.0°            Efficiency 79 %            Peak intensity 0.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NSMx286M            FWHM 47.0°            Efficiency 76 %            Peak intensity 1.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED Duris S10            FWHM 54.0°            Efficiency 86 %            Peak intensity 1.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

#### PHOTOMETRIC DATA (SIMULATED):



**LED** VERO10  
**FWHM** 51.2°  
**Efficiency** 88 %  
**Peak intensity** 1.1 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**

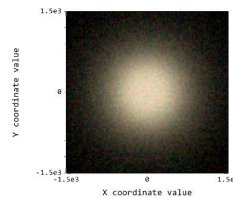


**LED** LUXEON 5258  
**FWHM** 54.0°  
**Efficiency** 92 %  
**Peak intensity** 1.3 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**

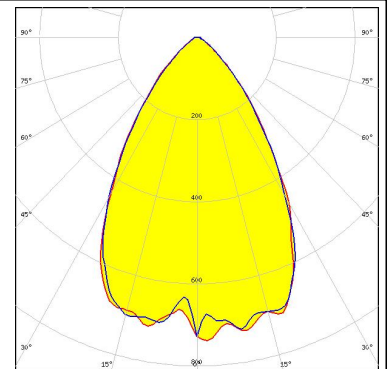


Opto Semiconductors

**LED** OSCONIQ P 7070  
**FWHM** 67.0°  
**Efficiency** 92 %  
**Peak intensity** 0.8 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



Detector Image: illuminance  
 OSRAM  
 Detector: 7070 Surface: 1  
 Size: 1500x1500 um, 1000x1000  
 Location:  
 Total Power: 0.8881460 Lumens  
 C12502\_MIRA-VW\_MIRA\_VW\_0m  
 Configuration: 1 of 1



### 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.

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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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where\\_to\\_buy](http://www.ledil.com/where_to_buy)

#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

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- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.