


### MIRA-W

~40° wide beam

#### TECHNICAL SPECIFICATIONS:

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

#### MATERIAL SPECIFICATIONS:

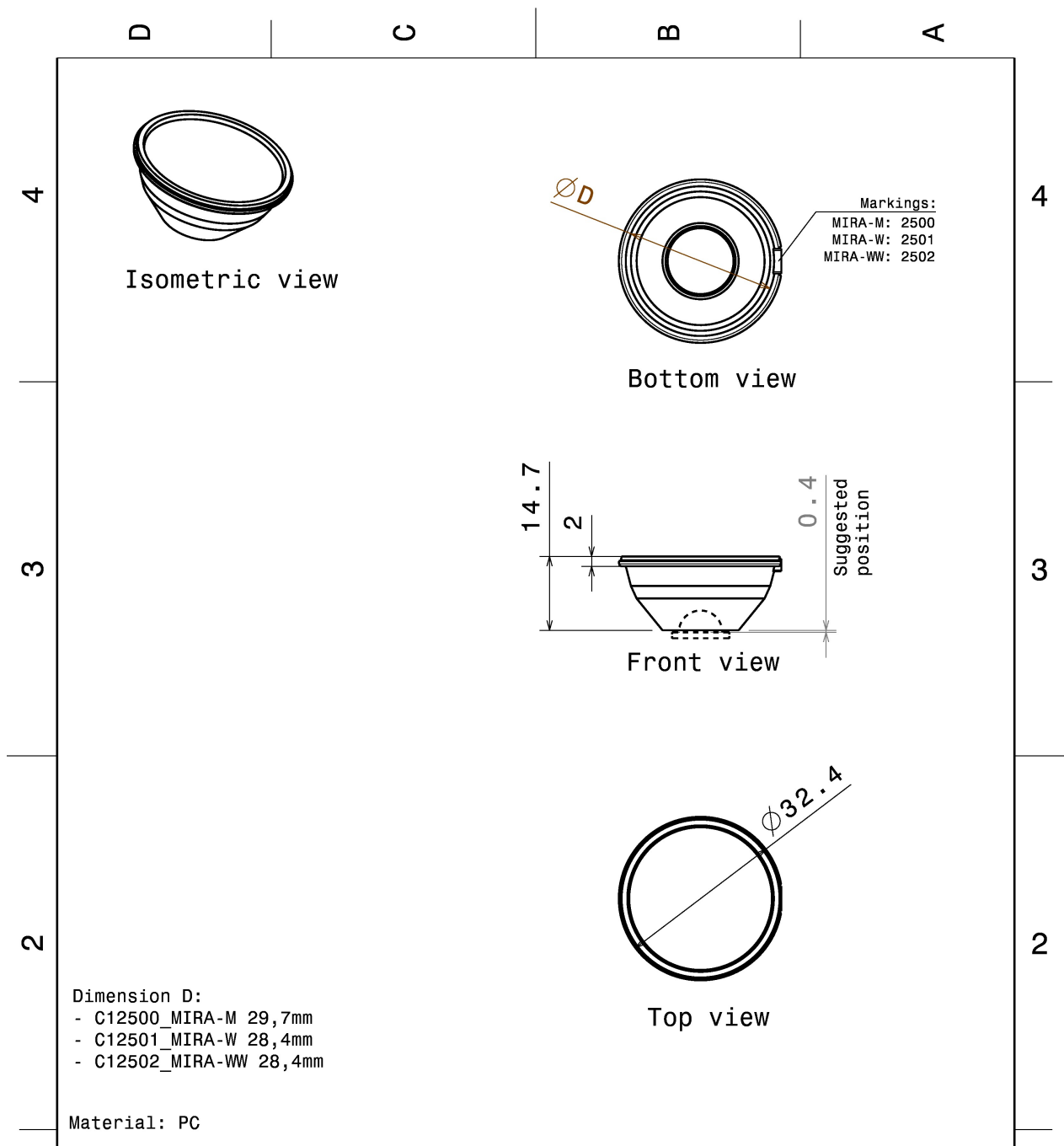
Component	Type
MIRA-W	Single lens



Material	Color	Finish
PC	clear	


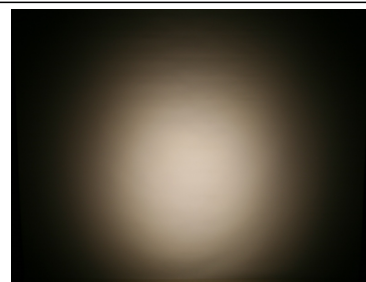





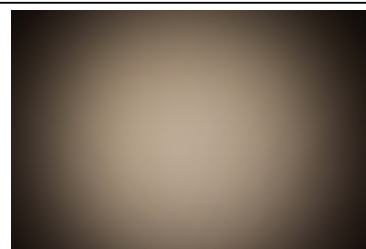
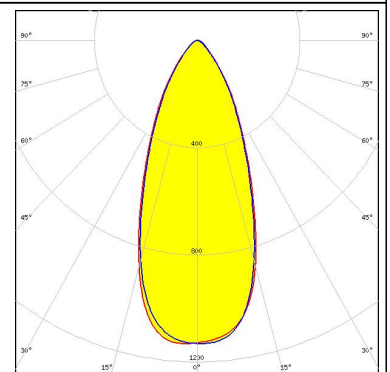
#### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12501_MIRA-W » Box size: 480 x 280 x 300 mm	840	120	60	7.2



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

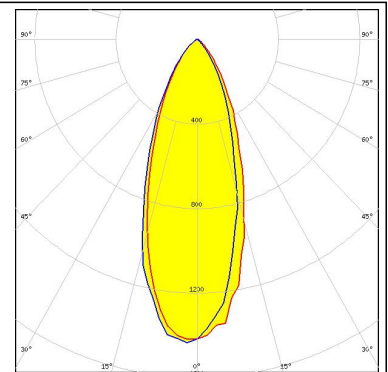
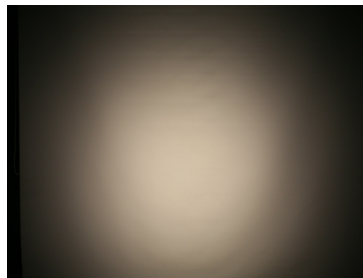
**PHOTOMETRIC DATA (MEASURED):**

<p> LED BXRA ES Star FWHM 39.0° Efficiency 82 % Peak intensity cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p> LED V10 Gen6 FWHM 44.0° Efficiency 77 % Peak intensity 1.250 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p> LED CXA/B 15xx FWHM 39.0° Efficiency 80 % Peak intensity 1.400 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p> LED MHD-E/G FWHM 43.0° Efficiency 81 % Peak intensity 1.100 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	 

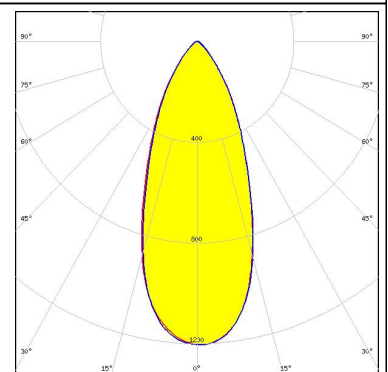
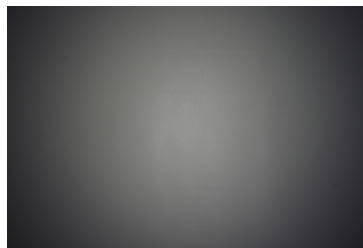
### PHOTOMETRIC DATA (MEASURED):



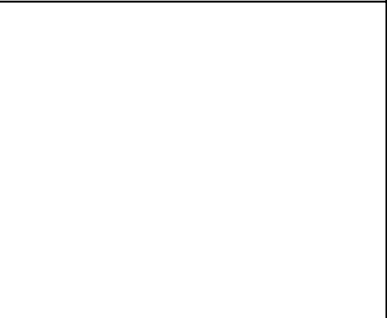
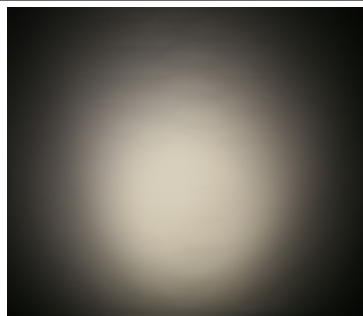
LED MT-G  
FWHM 38.0°  
Efficiency 80 %  
Peak intensity 1.400 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



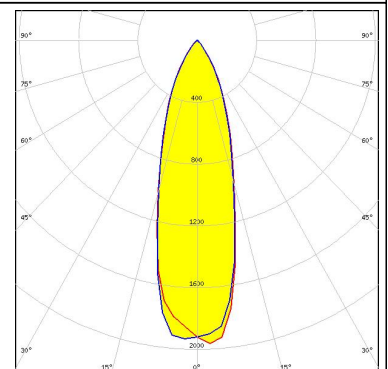
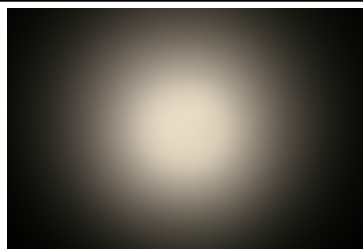
LED XHP70  
FWHM 42.0°  
Efficiency 80 %  
Peak intensity 1.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON M/MX  
FWHM 39.0°  
Efficiency 82 %  
Peak intensity cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



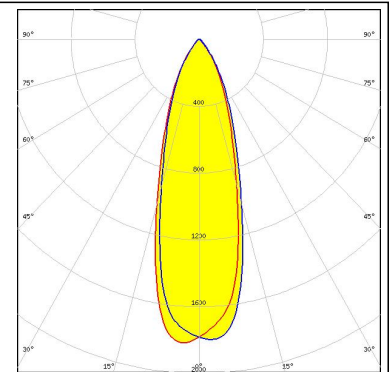
LED LUXEON MZ  
FWHM 31.0°  
Efficiency 79 %  
Peak intensity 2.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



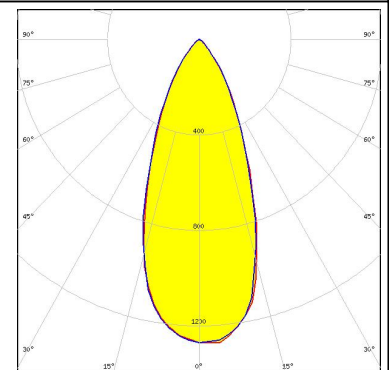
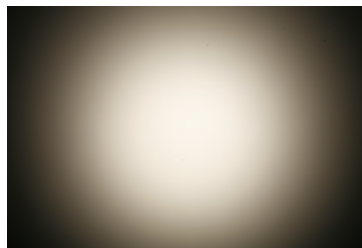
#### PHOTOMETRIC DATA (MEASURED):



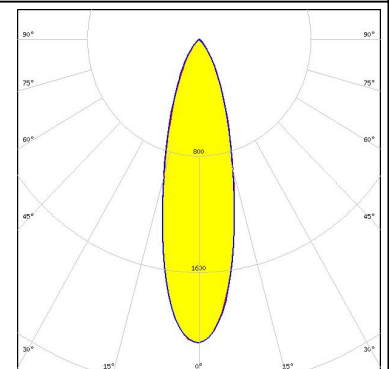
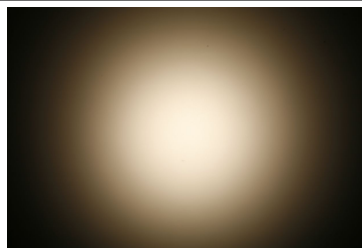
LED NFMW48xA  
 FWHM 32.0°  
 Efficiency 80 %  
 Peak intensity 1.800 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



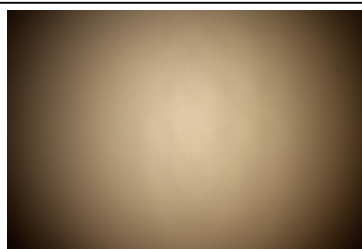
LED NSCxL036A  
 FWHM 42.0°  
 Efficiency 79 %  
 Peak intensity 1.300 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



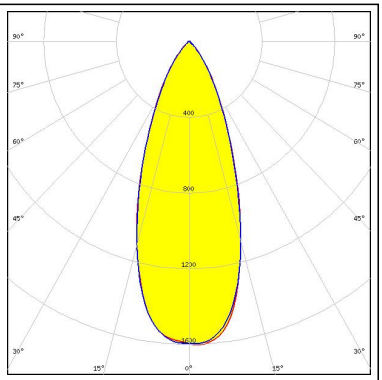
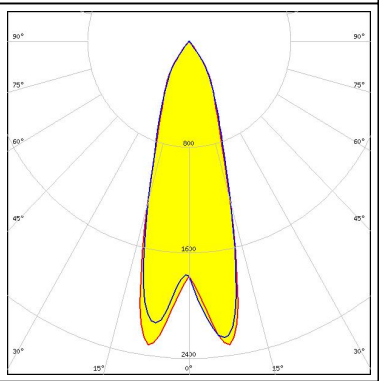
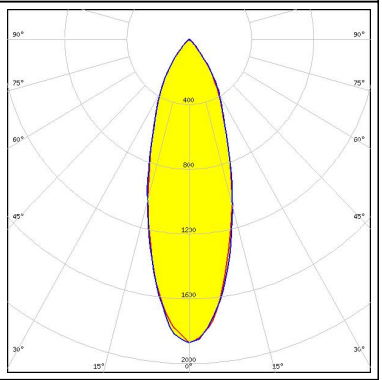
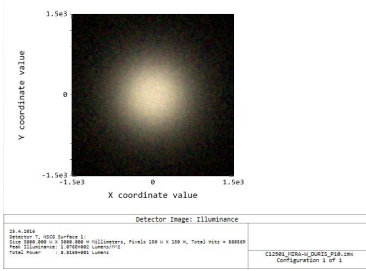
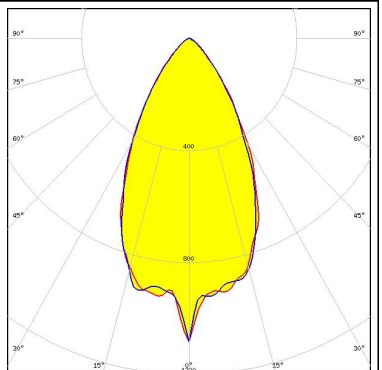
LED NSMx286M  
 FWHM 28.0°  
 Efficiency 77 %  
 Peak intensity 2.090 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED Duris S10  
 FWHM 34.0°  
 Efficiency 83 %  
 Peak intensity 1.900 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (SIMULATED):

<p><b>bridgelux</b></p> <p>LED VERO10            FWHM 38.8°            Efficiency 88 %            Peak intensity 1.610 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON 5258            FWHM 31.0°            Efficiency 92 %            Peak intensity 2.300 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON K4            FWHM 34.0°            Efficiency 87 %            Peak intensity 1.800 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSCONIQ P 7070            FWHM 51.0°            Efficiency 91 %            Peak intensity 1.080 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	 <p>Detector Image: Illuminance</p> <p>24.4.2014            Standard: 1025 Surface 1            Size: 2000.000 (X) x 2000.000 (Y) Illuminance: Pixels: 128 (X) x 128 (Y), Total: 16384            Peak Illuminance: 4.000000 (cd/m²)            Peak Value: 4.000000 (cd/m²)</p> <p>C:\2014\7070\OSCONIQ_P7070_P28.dcm            Configuration 1 of 1</p>	

### 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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#### LEDiL Oy

Joensuunkatu 13  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Local sales and technical support

[www.ledil.com/  
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