

MIRA-M

~30° medium beam

TECHNICAL SPECIFICATIONS:

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

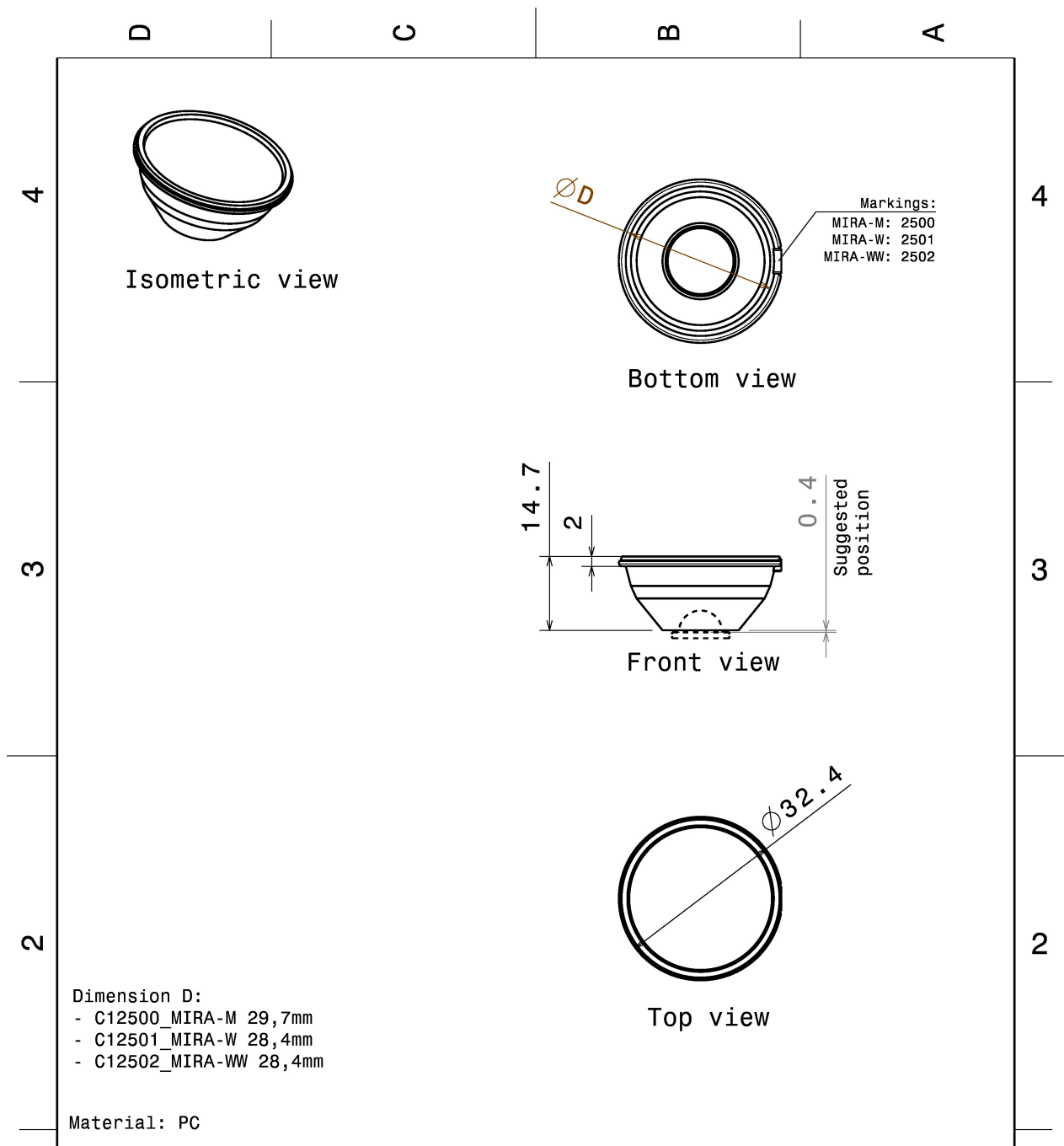
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
MIRA-M	Single lens	PC	clear	




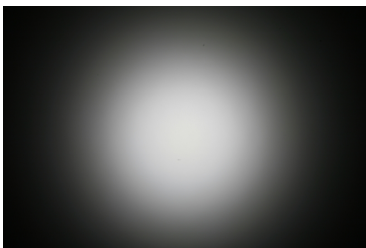

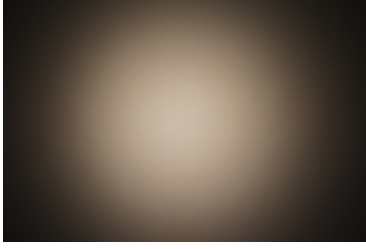
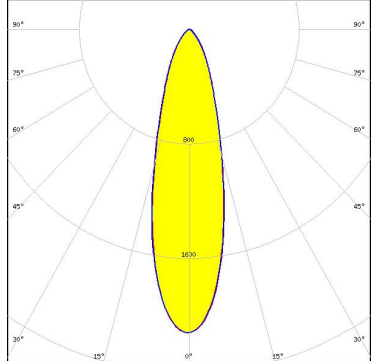
ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12500_MIRA-M » Box size: 480 x 280 x 300 mm	840	120	60	7.3



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DRAWN BY mav		DATE 02.04.2012		DRAWING TITLE Datasheet MIRA lens	
CHECKED BY sn		DATE 02.04.2012			
DESIGNED BY mav		DATE 29.11.2011		SIZE A4	DRAWING NUMBER -
		SCALE 1:1	WEIGHT (g)	SHEET 1/1	REV 1

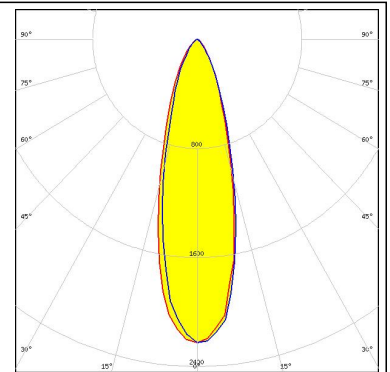
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux</p> <p>LED BXRA ES Star FWHM 30.0° Efficiency 82 % LEDs/each optic 1 Light colour White Required components:</p>	
<p>bridgelux</p> <p>LED V10 Gen6 FWHM 35.0° Efficiency 77 % Peak intensity 1.8 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>CREE ⇄</p> <p>LED CXA/B 15xx FWHM 31.0° Efficiency 85 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>CREE ⇄</p> <p>LED MHD-E/G FWHM 28.0° Efficiency 85 % Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	 

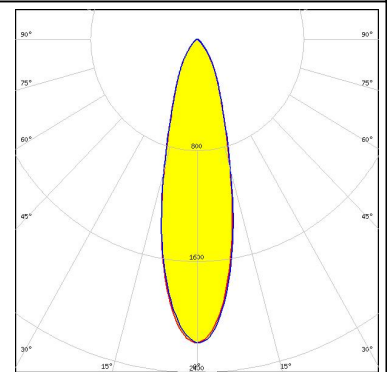
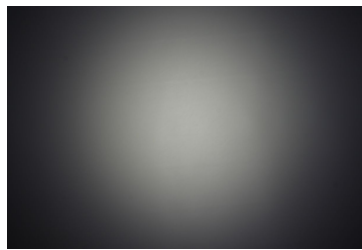
PHOTOMETRIC DATA (MEASURED):



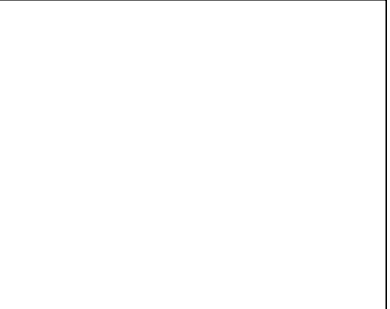
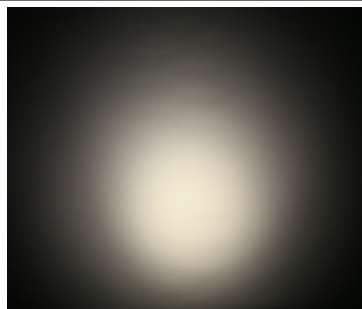
LED MT-G
FWHM 28.0°
Efficiency 83 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



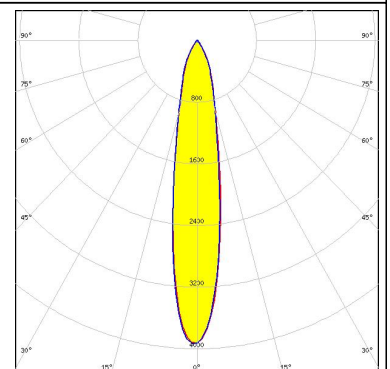
LED XHP70
FWHM 27.0°
Efficiency 83 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:




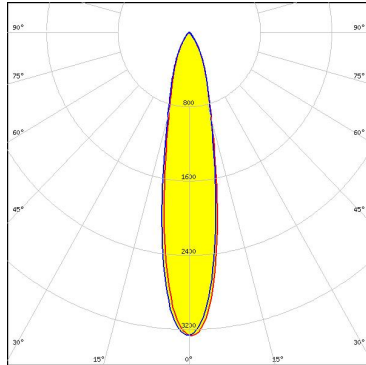
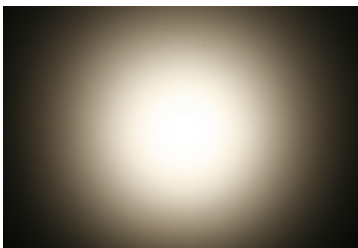
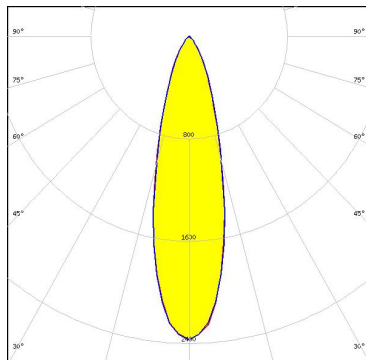

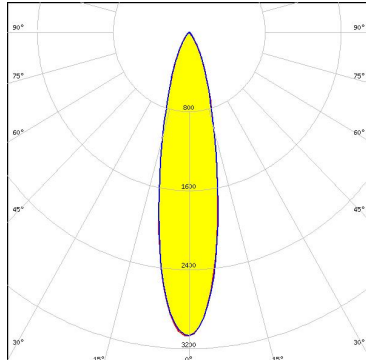
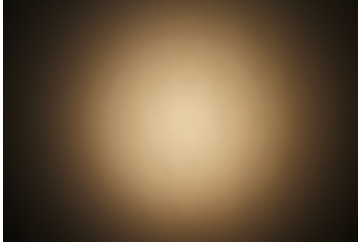

LED LUXEON M/MX
FWHM 25.0°
Efficiency 81 %
LEDs/each optic 1
Light colour White
Required components:




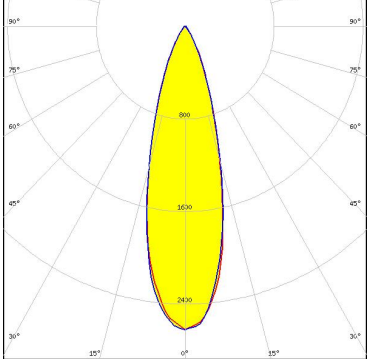

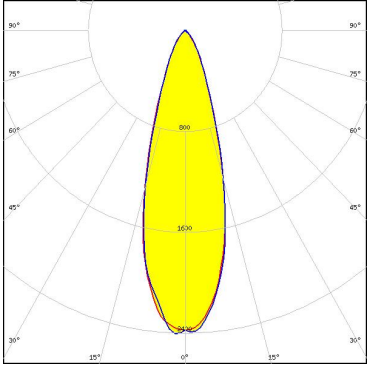

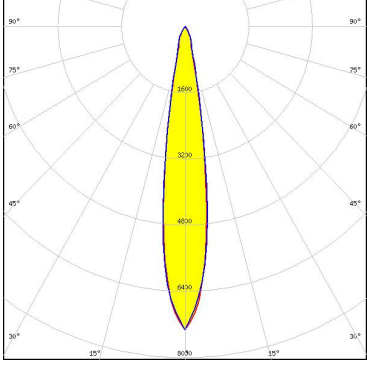

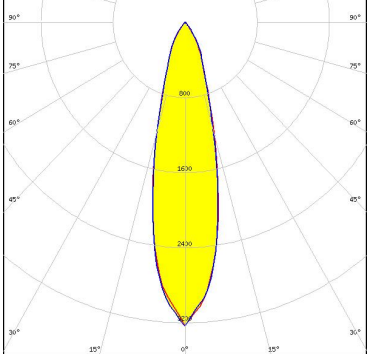
LED LUXEON MZ
FWHM 19.0°
Efficiency 81 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

<p>NICHIA</p> <p>LED NFMW48xA FWHM 21.0° Efficiency 82 % Peak intensity 3.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NSCxL036A FWHM 28.0° Efficiency 80 % Peak intensity 2.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NSMx286M FWHM 23.0° Efficiency 80 % Peak intensity 3.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Duris S10 FWHM 22.0° Efficiency 83 % Peak intensity 3.6 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

PHOTOMETRIC DATA (SIMULATED):

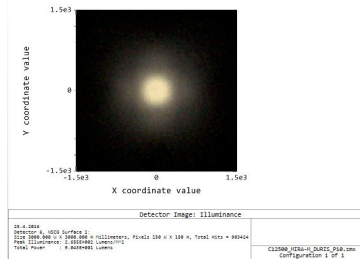
<p> bridgelux</p> <p>LED: VERO10 FWHM: 28.9° Efficiency: 88 % Peak intensity: 2.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p> CREE</p> <p>LED: MHD-E/G FWHM: 30.0° Efficiency: 87 % Peak intensity: 2.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p> LUMILEDS</p> <p>LED: LUXEON 5258 FWHM: 16.0° Efficiency: 92 % Peak intensity: 7.3 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p> LUMILEDS</p> <p>LED: LUXEON K4 FWHM: 26.0° Efficiency: 86 % Peak intensity: 3.2 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

LED OSCONIQ P 7070
FWHM 31.0°
Efficiency 92 %
Peak intensity 2.4 cd/m
LEDs/each optic 1
Light colour White

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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