MIRA-M

~30° medium beam

SPECIFICATION:

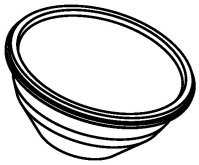
Dimensions	Ø 32.4
Height	14.7 mm
Fastening	glue
ROHS compliant	yes

MATERIALS:

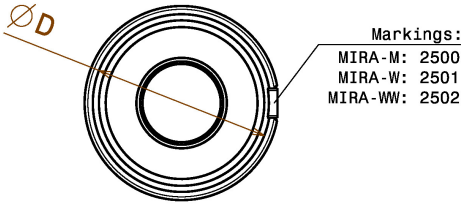
Component	Type	Material	Colour	Finish	Length (mm)
MIRA-M	Single lens	PC	clear		

ORDERING INFORMATION:

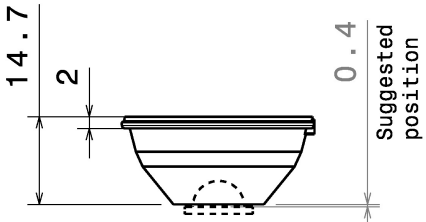
Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12500_MIRA-M » Box size: 480 x 280 x 300 mm	840	120	60	7.3



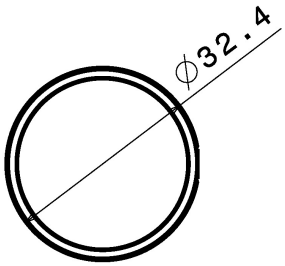
Isometric view



Bottom view



Front view



Top view

Dimension D:
- C12500_MIRA-M 29,7mm
- C12501_MIRA-W 28,4mm
- C12502_MIRA-WW 28,4mm

Material: PC

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

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

See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

bridgelux

LED	BXRA ES Star
FWHM / FWTM	30.0° / 66.0°
Efficiency	82 %
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

bridgelux

LED	V10 Gen6
FWHM / FWTM	35.0° / 72.0°
Efficiency	77 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

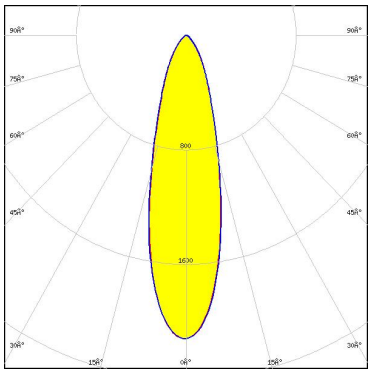
CREE LEDs

LED	CXA/B 15xx
FWHM / FWTM	31.0° / 67.0°
Efficiency	85 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

OPTICAL RESULTS (MEASURED):

CREE LEDs

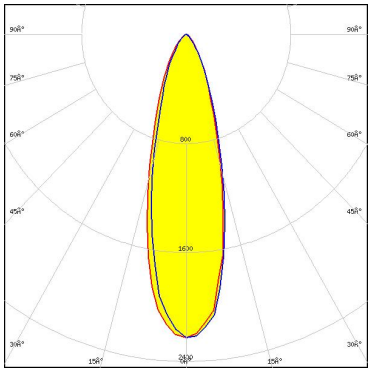
LED	MHD-E/G
FWHM / FWTM	28.0° / 65.0°
Efficiency	85 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

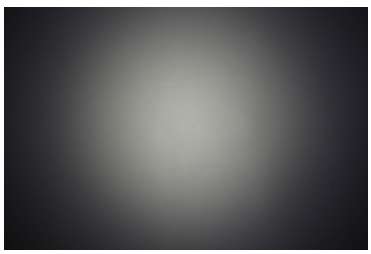
LED	MT-G
FWHM / FWTM	28.0° / 62.0°
Efficiency	83 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

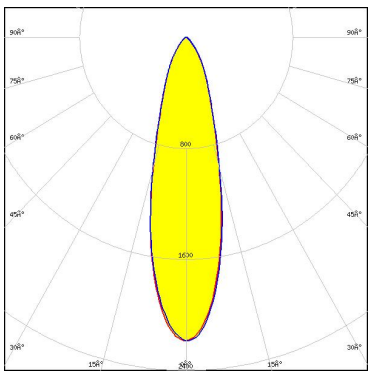


Light distribution files

CREE LEDs

LED	XHP70
FWHM / FWTM	27.0° / 63.0°
Efficiency	83 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

OPTICAL RESULTS (MEASURED):

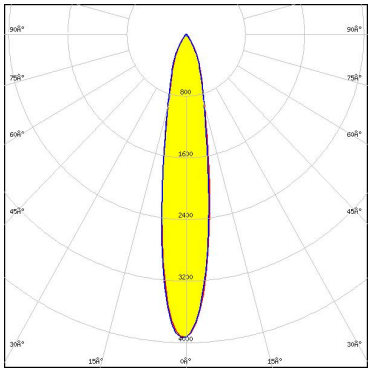
LUMILEDS

LED	LUXEON M/MX
FWHM / FWTM	25.0° / 64.0°
Efficiency	81 %
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

LUMILEDS

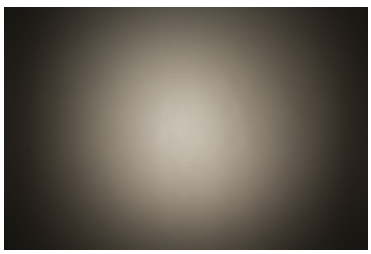
LED	LUXEON MZ
FWHM / FWTM	19.0° / 50.0°
Efficiency	81 %
Peak intensity	3.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

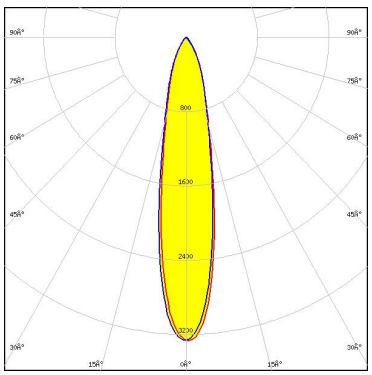


Light distribution files

NICHIA

LED	NFMW48xA
FWHM / FWTM	21.0° / 53.0°
Efficiency	82 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



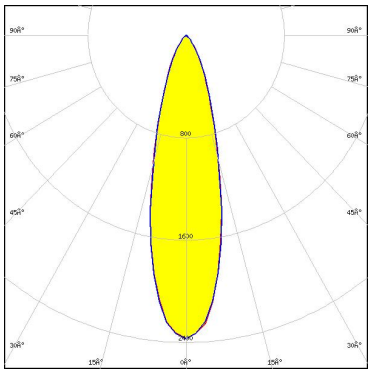


Light distribution files

OPTICAL RESULTS (MEASURED):

NICHIA

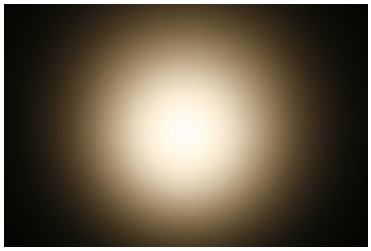
LED	NSCxL036A
FWHM / FWTM	28.0° / 60.0°
Efficiency	80 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

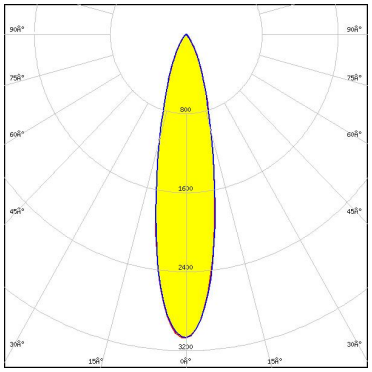


Light distribution files

NICHIA

LED	NSMx286M
FWHM / FWTM	23.0° / 53.0°
Efficiency	80 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

OSRAM
Opto Semiconductors

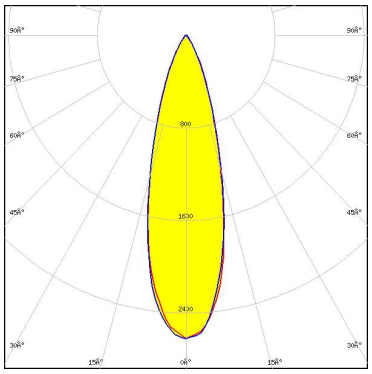
LED	Duris S10
FWHM / FWTM	22.0° / 52.0°
Efficiency	83 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OPTICAL RESULTS (SIMULATED):

bridgelux

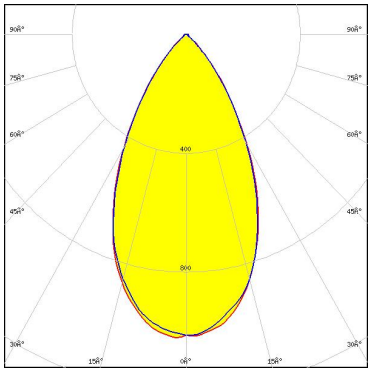
LED	VERO10
FWHM / FWTM	28.9° / 56.9°
Efficiency	88 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CITIZEN

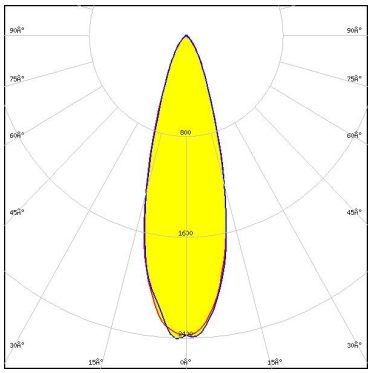
LED	CLU710/711
FWHM / FWTM	54.0° / 88.0°
Efficiency	88 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	MHD-E/G
FWHM / FWTM	30.0° / 60.0°
Efficiency	87 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

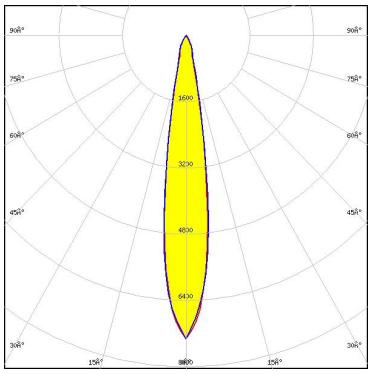


Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMILEDS

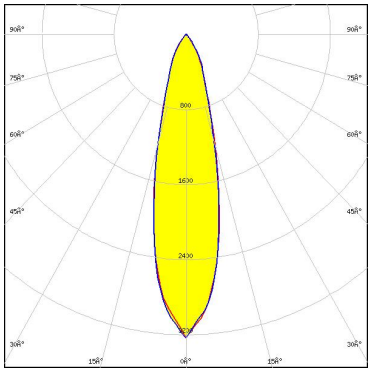
LED	LUXEON 5258
FWHM / FWTM	16.0° / 31.0°
Efficiency	92 %
Peak intensity	7.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

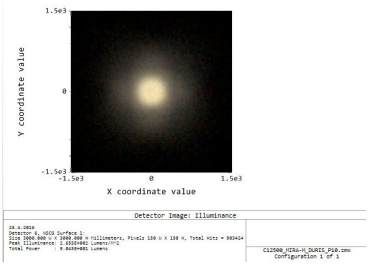
LED	LUXEON K4
FWHM / FWTM	26.0° / 58.0°
Efficiency	86 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	OSCONIQ P 7070
FWHM / FWTM	31.0° / 67.0°
Efficiency	92 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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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LEDiL Oy
Joensuunkatu 7
FI-24240 SALO
Finland

LEDiL Inc.
228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.
405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support
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