PRODUCT DATASHEET
Mira series
last update 12/4/2013

Product number **C12500_MIRA-M**

Family	Mira	FWHM	31 degrees
Type	Lens	Efficiency	85 %
LED	CXA15xx	cd/lm	2.000
Color	Clear	Gerber File	Available
Diameter	32.4 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		

Product number **CN13144_MIRA-M**

Family	Mira	FWHM	31 degrees
Type	Pack	Efficiency	-
LED	CXA15xx	cd/lm	1.790
Color	Black	Gerber File	Available
Diameter	34.2 mm		
Height	16.15 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw		
Status	On production		

Product number **C12501_MIRA-W**

Family	Mira	FWHM	39 degrees
Type	Lens	Efficiency	80 %
LED	CXA15xx	cd/lm	1.400
Color	Clear	Gerber File	Available
Diameter	32.4 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		

Product number **CN13145_MIRA-W**

Family	Mira	FWHM	42 degrees
Type	Pack	Efficiency	-
LED	CXA15xx	cd/lm	1.200
Color	Black	Gerber File	Available
Diameter	34.2 mm		
Height	16.15 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw		
Status	On production		

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PRODUCT DATASHEET
Mira series
last update 12/4/2013

Product number	**C12502_MIRA-WW**
Family	Mira
Type	Lens
LED	CXA15xx
Color	Clear
Diameter	32.4 mm
Height	14.7 mm
Style	Round
Optic Material	PC
Holder Material	-
Fastening	Glue
Status	On production
FWHM	53 degrees
Efficiency	84 %
cd/lm	1.100
Gerber File	Available

Product number	**CN13146_MIRA-WW**
Family	Mira
Type	Pack
LED	CXA15xx
Color	Black
Diameter	34.2 mm
Height	16.15 mm
Style	Round
Optic Material	PC
Holder Material	PC
Fastening	Screw
Status	On production
FWHM	57 degrees
Efficiency	-
cd/lm	0.820
Gerber File	Available

NOTE: The typical divergence will be changed by different color, chip size and chip position tolerance. The typical total divergence is the full angle measured where the luminous intensity is half of the peak value.

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GENERAL INFORMATION

- Product series especially designed & optimized for CXA15xx series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PC with high UV and temperature resistance (120 degrees of Celcius / 248 degrees of Fahrenheit). Allows use of high current and temperature conditions.

Please find more information about used materials from below:
http://ledil.fi/sites/default/files/Documents/Technical/Material/PC%20Makrolon%202400_2407_2456_2458-UL.pdf
- Optic holder molded by high quality PC material (120 dergees of Celcius / 248 degrees of Fahrenheit).

Note! 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.

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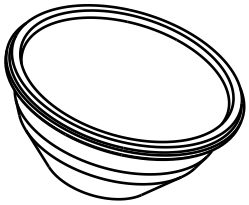
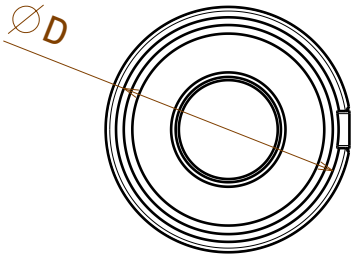
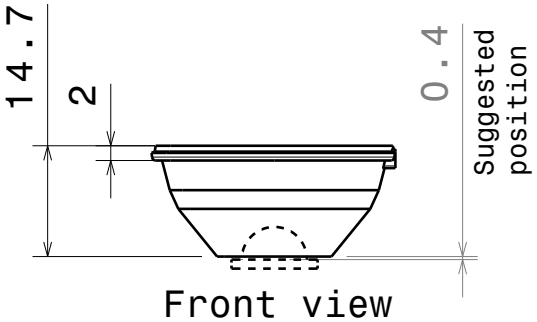


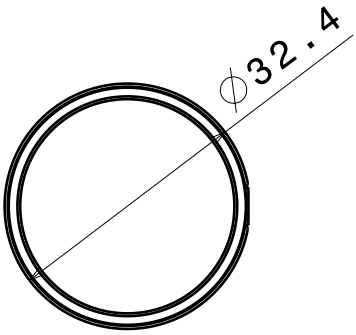
Isometric view



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

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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