

**Ordering number CN12304\_LENA-S-DL**

Family	Lena	FWHM	20 degrees
Type	Pack	Efficiency	80 %
LED	BXRA RS	cd/lm	(simulated) 0.000
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	85.6 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw		
Status	On production		

Reflector twist-and-locks into included base part that holds COE

**Ordering number CN12302\_LENA-M**

Family	Lena	FWHM	28 degrees
Type	Pack	Efficiency	84 %
LED	BXRA RS	cd/lm	(simulated) 0.000
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	85.6 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw		
Status	On production		

Reflector twist-and-locks into included base part that holds COE

**Ordering number CN12305\_LENA-M-DL**

Family	Lena	FWHM	29 degrees
Type	Pack	Efficiency	79 %
LED	BXRA RS	cd/lm	(simulated) 0.000
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	85.6 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw		
Status	On production		

Reflector twist-and-locks into included base part that holds COE

**Ordering number CN12303\_LENA-W**

Family	Lena	FWHM	51 degrees
Type	Pack	Efficiency	81 %
LED	BXRA RS	cd/lm	(simulated) 0.000
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	85.6 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw		
Status	On production		



Ordering number CN12306\_LENA-W-DL

Family	Lena	FWHM	51 degrees
Type	Pack	Efficiency	76 %
LED	BXRA RS	cd/lm	(simulated) 0.000
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	85.6 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw		
Status	On production		

Reflector twist-and-locks into included base part that holds COE

**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.**



## PRODUCT DATASHEET

### Lena series

last update 7/5/2013



#### GENERAL INFORMATION

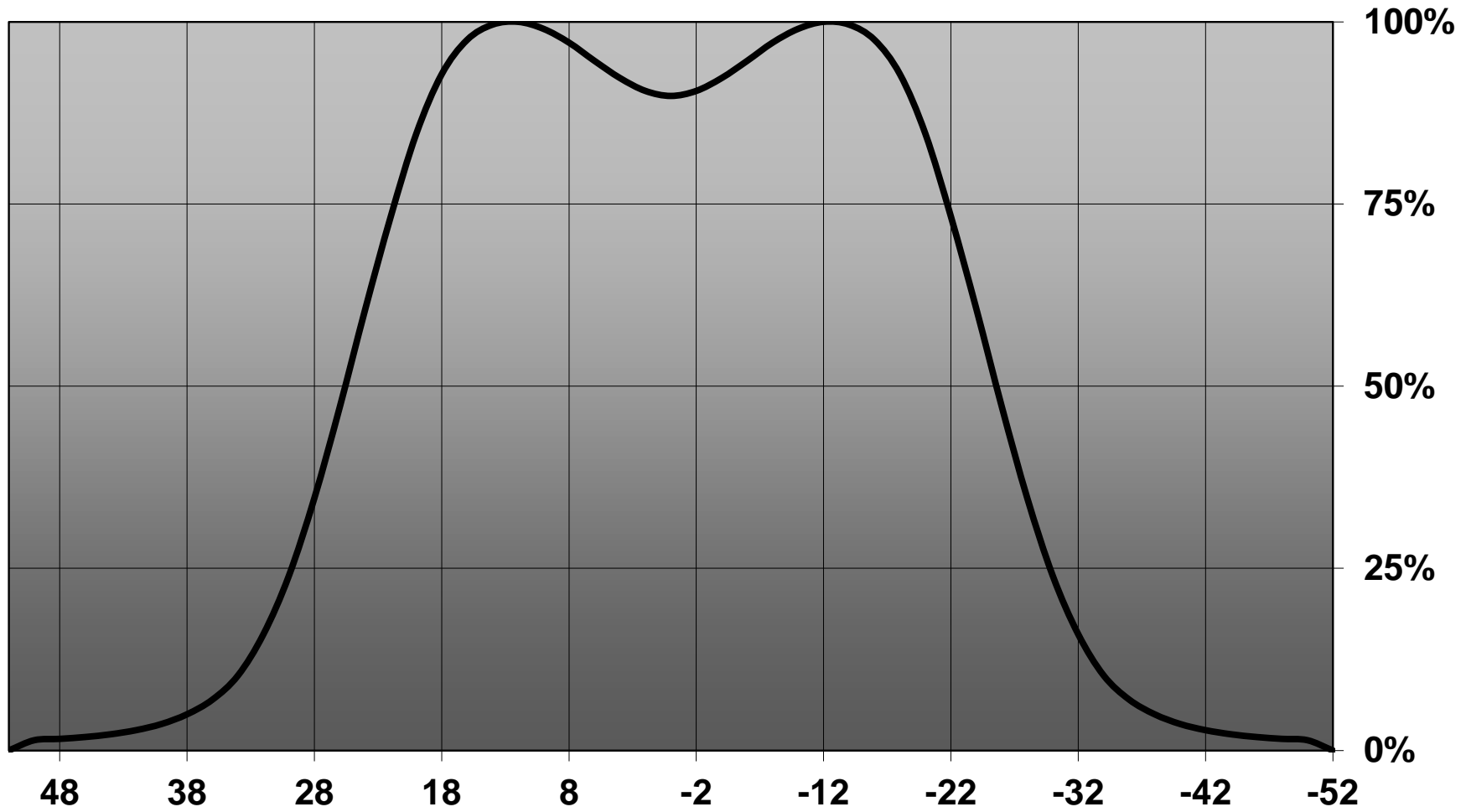
- Product series especially designed & optimized for BXRA RS series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PC with high UV and temperature resistance (120 degrees of Celcius / 248 degrees of Fahrenheit). Allows use of high current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

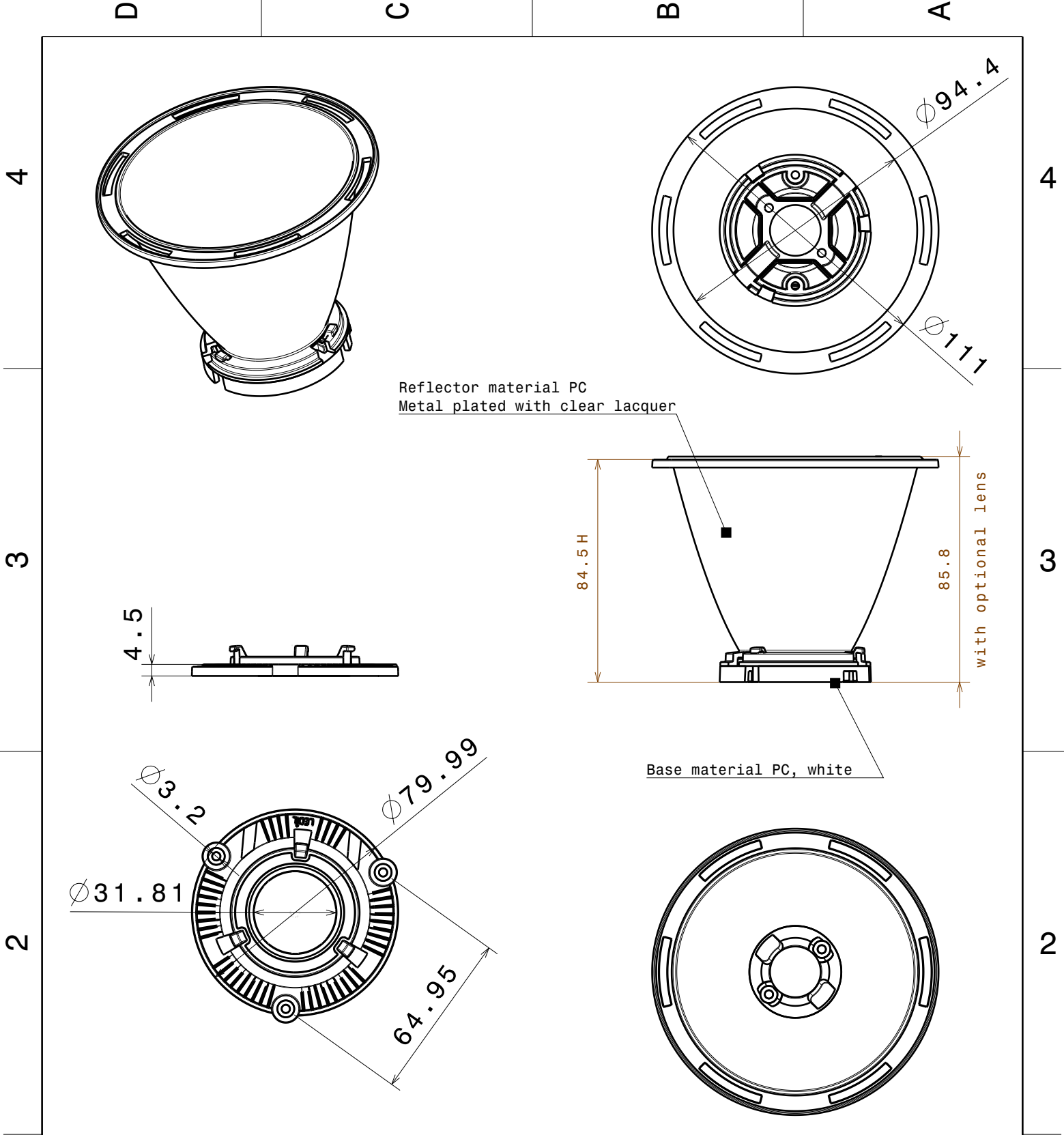
Please find more information about used materials from below:

[http://ledil.fi/sites/default/files/Documents/Technical/Material/PC%20Makrolon%202400\\_2407\\_2456\\_2458-UL.pdf](http://ledil.fi/sites/default/files/Documents/Technical/Material/PC%20Makrolon%202400_2407_2456_2458-UL.pdf)

- Reflector is made of aluminium coated PC (120 degrees of Celcius / 248 degrees of Fahrenheit) with protective lacquer (110 degrees of Celcius / 230 degrees of Fahrenheit).
- Optic holder molded by high quality PC material (120 dergees of Celcius / 248 degrees of Fahrenheit).

**Relative intensity of Lena-W-Diffuser-Lens-BXRA-C5000**





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DRAWING TITLE

Datasheet Lena-BXRA-RS-assembly

DRAWN BY ah	DATE 10.1.2012	SIZE A4		DRAWING NUMBER	REV 2
CHECKED BY pl	DATE 10.1.2012	SCALE 1:2		WEIGHT (g)	SHEET 1/1
DESIGNED BY pl	DATE 01.04.2011				

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