

**Ordering number CN12304_LENA-S-DL**

Family	Lena	FWHM	20 degrees
Type	Pack	Efficiency	80 %
LED	BXRA RS	cd/Im	(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/Im	(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/Im	(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/Im	(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/Im	(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

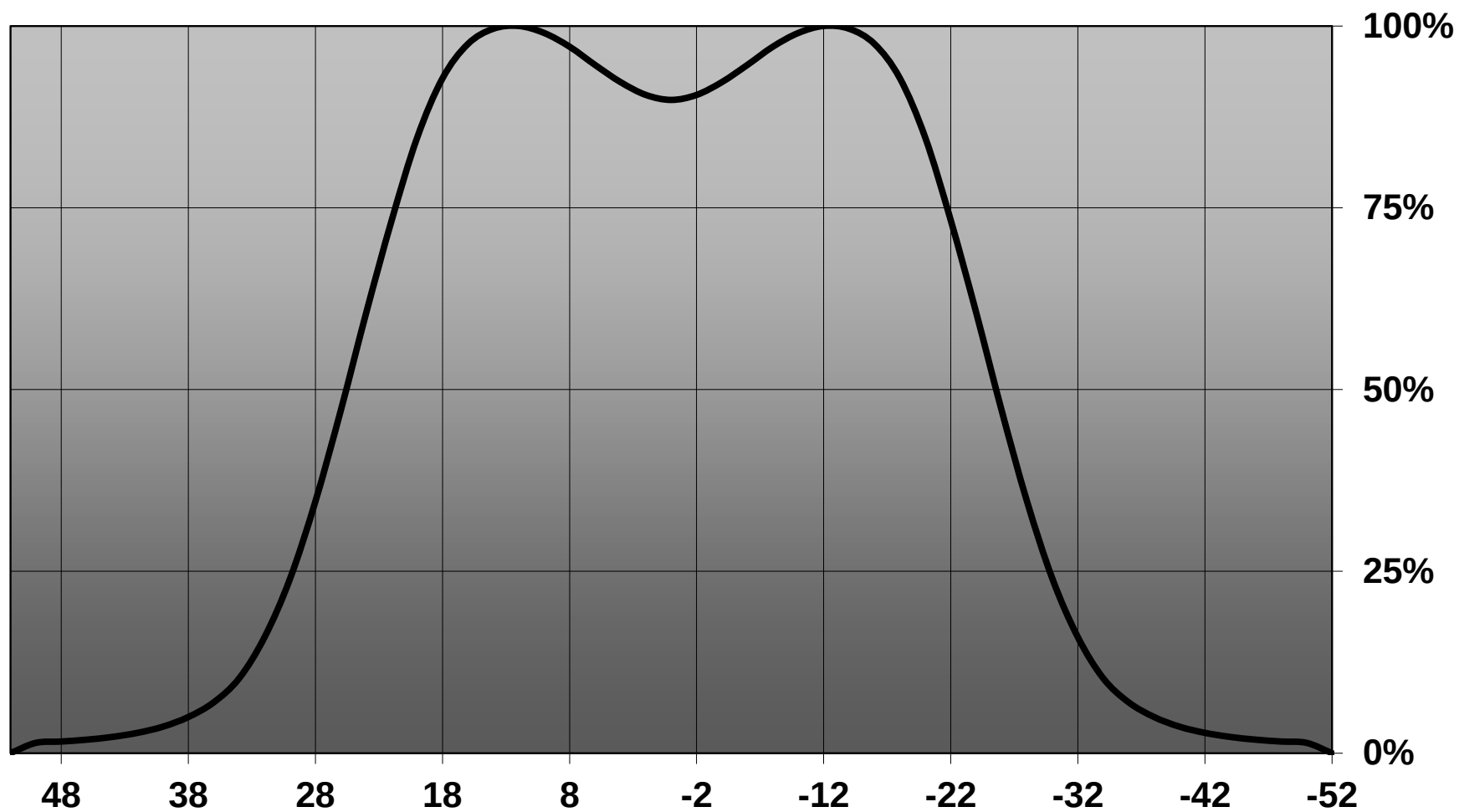
- Product series especially designed & optimized for BXRA RS series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PC with high UV and temperature resistance (120 degrees of Celcius / 248 degrees of Fahrenheit). Allows use of high current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

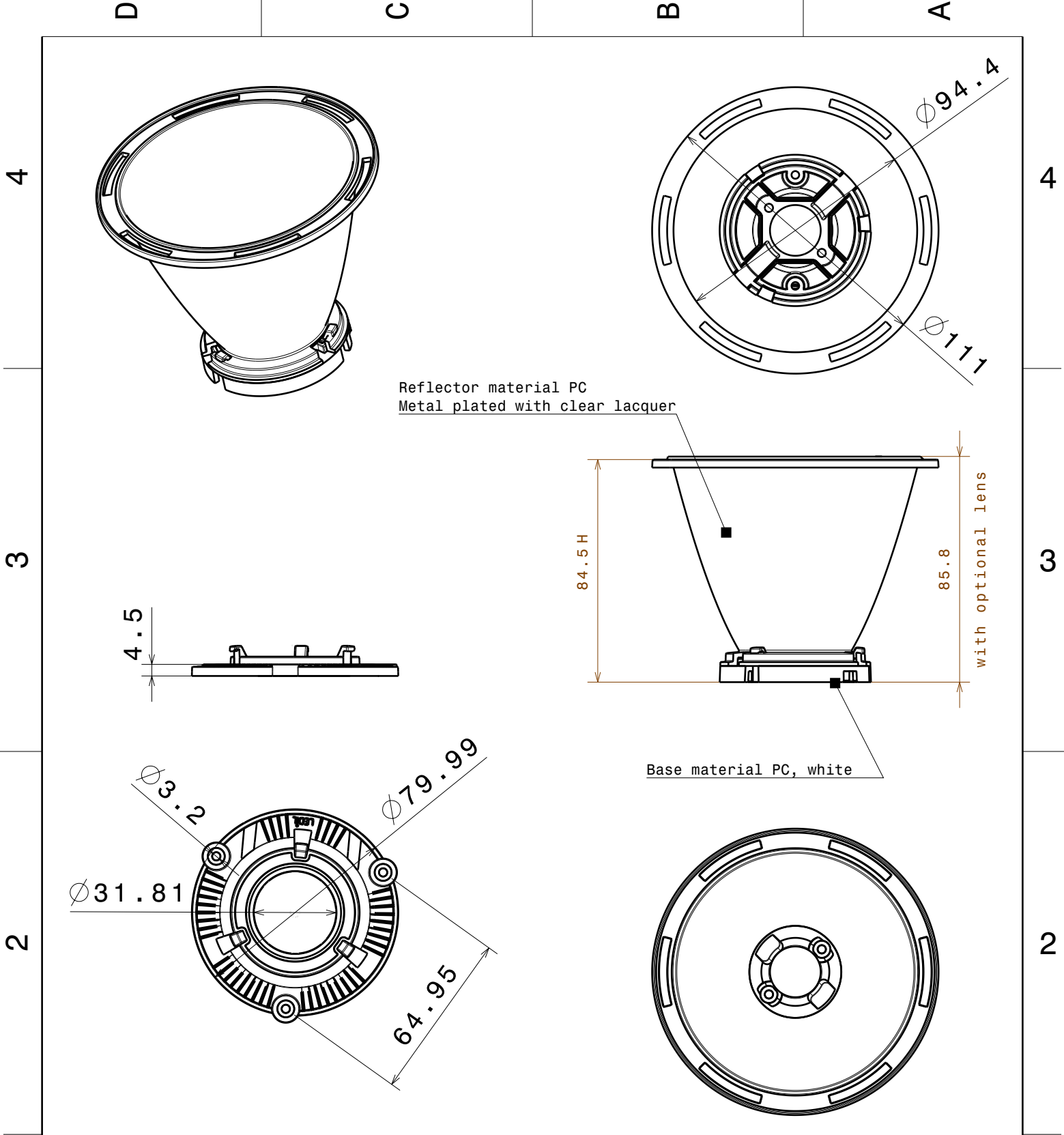
Please find more information about used materials from below:

http://ledil.fi/sites/default/files/Documents/Technical/Material/PC%20Makrolon%202400_2407_2456_2458-UL.pdf

- 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





This drawing is our property.
It can't be reproduced
or communicated without
our written agreement.



Ledil Oy
Salorankatu 10
FIN-24240 SALO
Finland

DRAWING TITLE

Datasheet Lena-BXRA-RS-assembly

DRAWN BY
ah

DATE
10.1.2012

CHECKED BY
pl

DATE
10.1.2012

DESIGNED BY
pl

DATE
01.04.2011

SIZE
A4

DRAWING NUMBER

REV
2

SCALE 1:2 WEIGHT (g)

SHEET 1/1