



Ordering number CA12164
Description CA12164_Lena-M_BXRA

Family	Lena	FWHM	19 degrees
Type	Reflector	Efficiency	-
LED	BXRA-C0800/1200/2000	cd/Im	-
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	86.2 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw		
Status	Ready		

Ordering number CA12157
Description CA12157_Lena-S_BXRA

Family	Lena	FWHM	10 degrees
Type	Reflector	Efficiency	-
LED	BXRA-C0800/1200/2000	cd/Im	-
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	86.2 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw		
Status	Ready		

Ordering number CA12159
Description CA12159_Lena-S-Diffuser-Lens_BXRA

Family	Lena	FWHM	11 degrees
Type	Reflector	Efficiency	-
LED	BXRA-C0800/1200/2000	cd/Im	-
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	87.8 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw		
Status	Ready		

Ordering number CA12168
Description CA12168_Lena-M-Diffuser-Lens_BXRA

Family	Lena	FWHM	20 degrees
Type	Reflector	Efficiency	-
LED	BXRA-C0800/1200/2000	cd/Im	-
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	87.8 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw		
Status	Ready		

Ordering number	CA12158		
Description	CA12158_Lena-W_BXRA		
Family	Lena	FWHM	44 degrees
Type	Reflector	Efficiency	-
LED	BXRA-C0800/1200/2000	cd/lm	-
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	86.2 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw		
Status	Ready		

Ordering number	CA12160		
Description	CA12160_Lena-W-Diffuser-Lens_BXRA		
Family	Lena	FWHM	46 degrees
Type	Reflector	Efficiency	-
LED	BXRA-C0800/1200/2000	cd/lm	-
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	87.8 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw		
Status	Ready		

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-BXRA-ES series



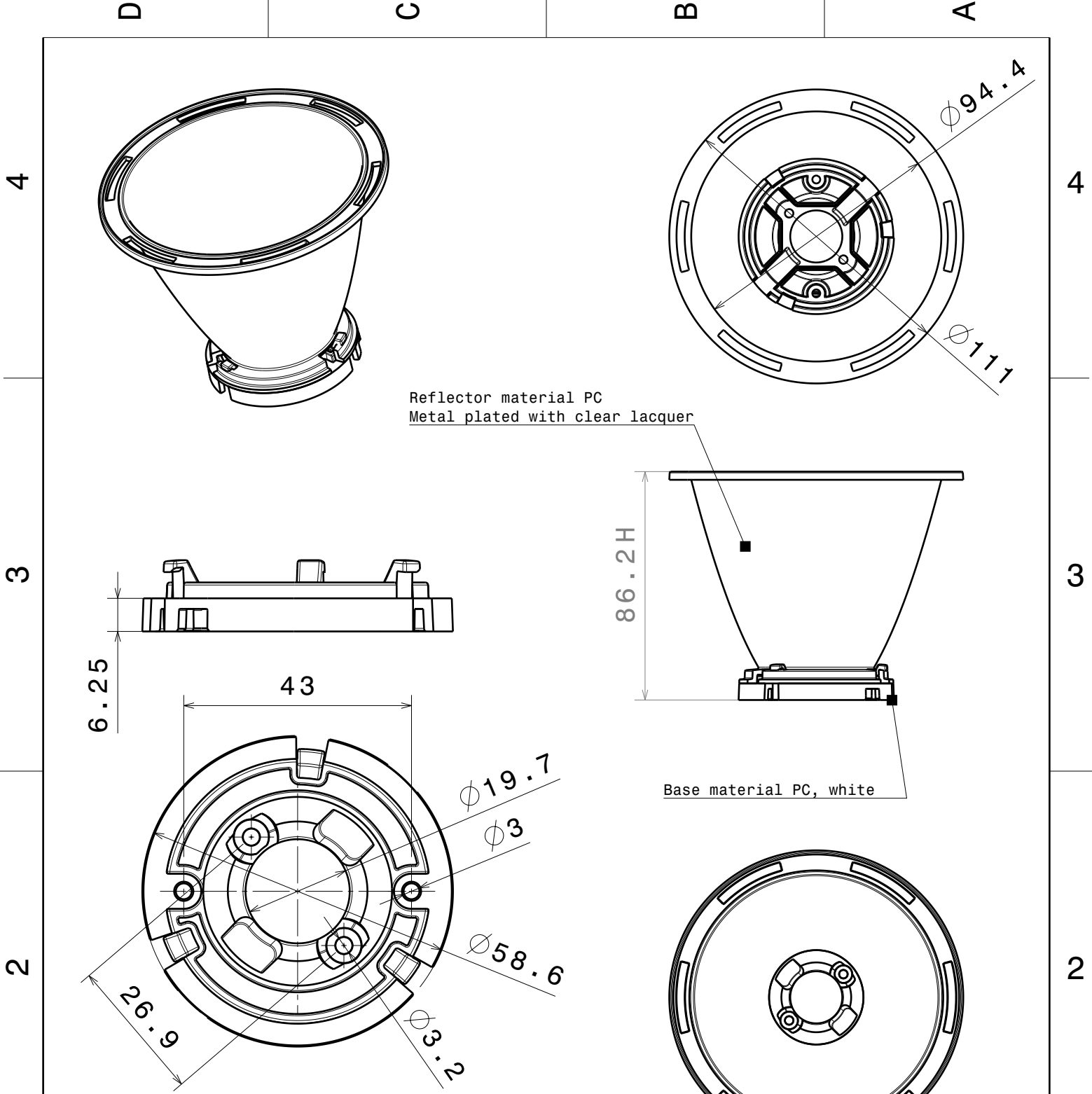
GENERAL INFORMATION

- Product series especially designed & optimized for BXRA-C0800/1200/2000 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).



NOTE: using optional sublens, add 1.6mm to dimension H.

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Finland

DRAWING TITLE

Datasheet Lena-BXRA-assembly

DRAWN BY pl	DATE 13.07.2011
CHECKED BY pl	DATE 26.04.2011
DESIGNED BY pl	DATE 01.04.2011

SIZE A4	DRAWING NUMBER --	REV 1
SCALE 1:2	WEIGHT (g)	SHEET 1 / 1