

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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PRODUCT DATASHEET Lena series

last update 5/7/2012



Ordering number CN12712_LENA-S

Family Lena Type Reflector LED CLL030 Color Metal Diameter 111 mm Height 85.4 mm Style Round Optic Material РС PC Holder Material Fastening Screw Ready Status



Ordering number CN12718_LENA-S-DL



FWHM Family Lena 12 degrees Type Reflector Efficiency 83 % LED **CLL030** cd/lm Color Metal Gerber File Available Diameter 111 mm Height 85.4 mm Style Round

Ordering number CN12713_LENA-M

PC

PC

Screw

Ready

Optic Material Holder Material

Fastening

Status



Family Lena Reflector Type LED **CLL030** Color Metal Diameter 111 mm 85.4 mm Round PC PC

cd/lm Gerber File Available

19 degrees

86 %

FWHM

Efficiency

Height Style Optic Material Holder Material Fastening Screw Status Ready

Ordering number CN12719_LENA-M-DL



Family Lena Туре Reflector LED **CLL030** Color Metal Diameter 111 mm 85.4 mm Height Round Style Optic Material PC Holder Material PC Fastening Screw Status Ready

FWHM 20 degrees Efficiency 81 % cd/lm

Gerber File Available

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PRODUCT DATASHEET Lena series

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Ordering number CN12714_LENA-W

Family	Lena
Type	Reflector
LED	CLL030
Color	Metal
Diameter	111 mm
Height	85.4 mm
Style	Round
Optic Material	PC
Holder Material	PC
Fastening	Screw
Status	Ready

FWHM 43 degrees
Efficiency 83 %
cd/lm Gerber File Available

Ordering number CN12720_LENA-W-DL

Family	Lena
Туре	Reflector
LED	CLL030
Color	Metal
Diameter	111 mm
Height	85.4 mm
Style	Round
Optic Material	PC
Holder Material	PC
Fastening	Screw
Status	Ready

FWHM 44 degrees
Efficiency 78 %
cd/lm 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.





PRODUCT DATASHEET Lena series

last update 5/7/2012

GENERAL INFORMATION

- Product series especially designed & optimized for CLL030 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.

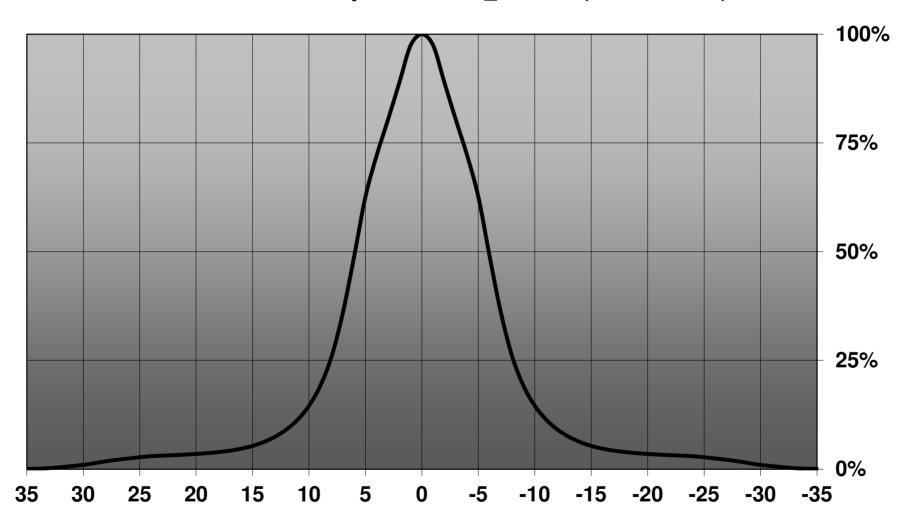
Please find more information about used materials from below:

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

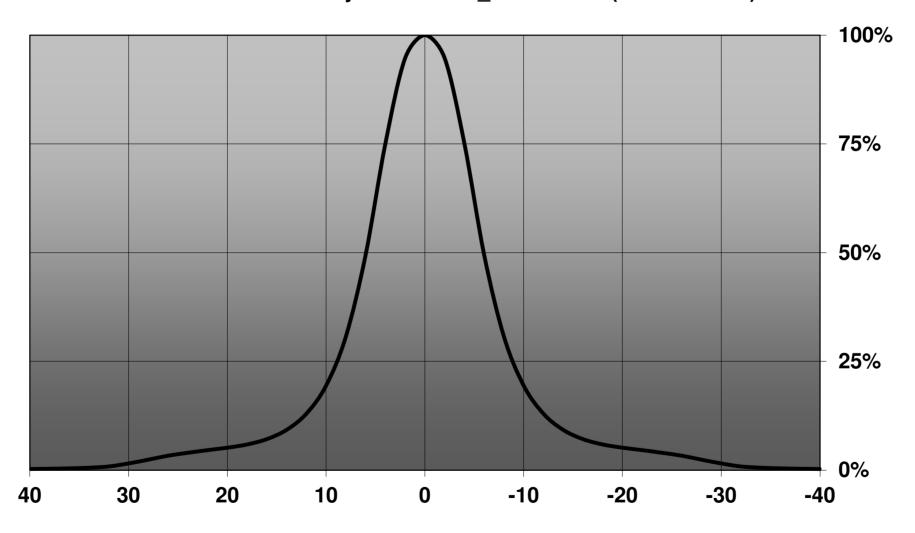
- Reflector is made of aluminium coated PC (120 degrees of Celcius / 248 degrees of Fahrenheit) with protective lacquer (110 degrees of Celcius / 230 degrees of Fahrenheit).

- Optic holder molded by high quality PC material (120 dergees of Celcius / 248 degrees of Fahrenheit).

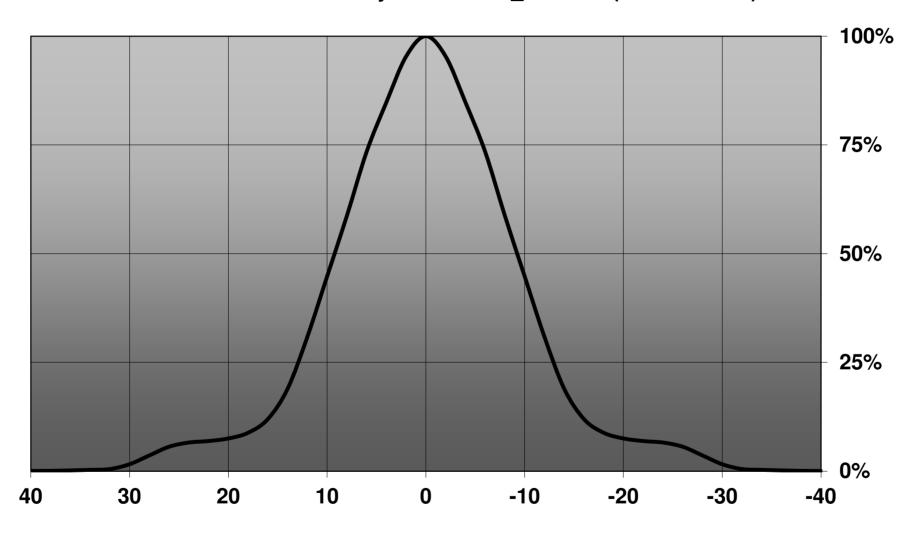
Relative intensity of CN12712_LENA-S (CLL030-1208)



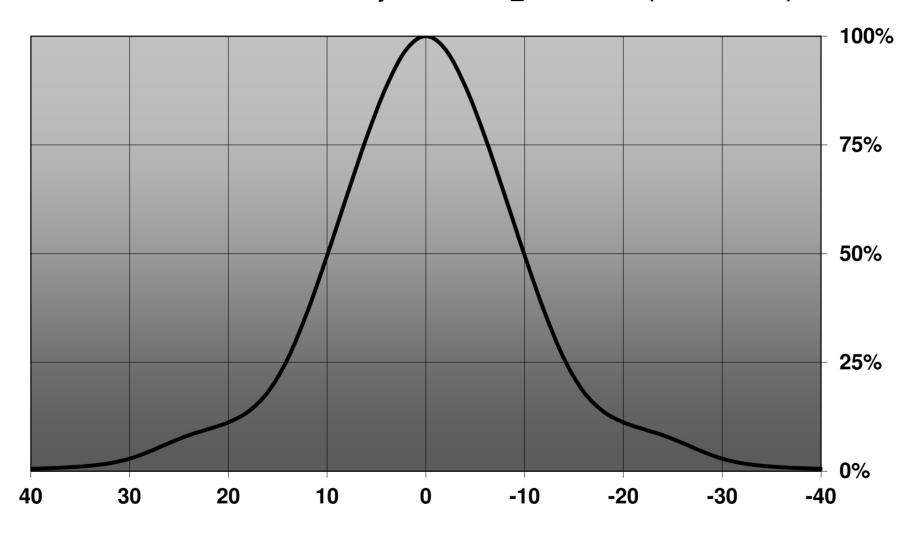
Relative intensity of CN12718_LENA-S-DL (CLL030-1208)



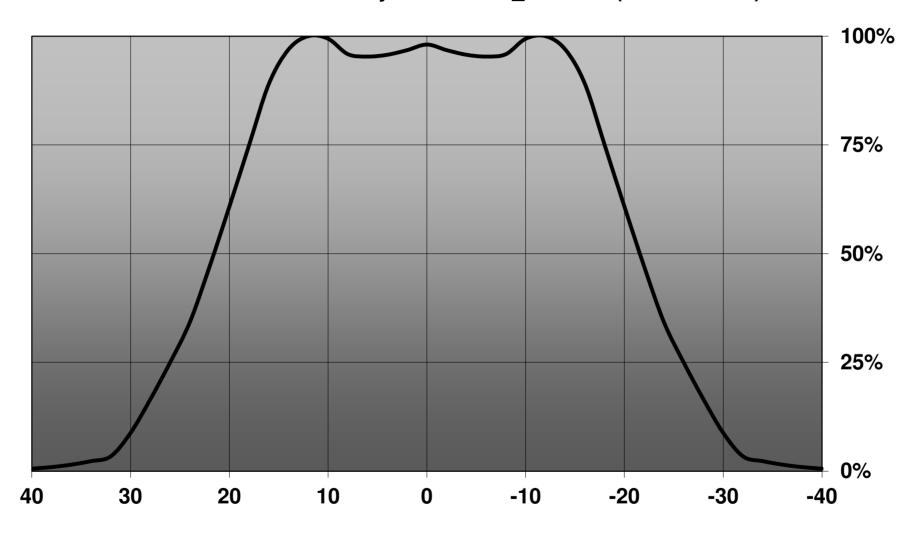
Relative intensity of CN12713_LENA-M (CLL030-1208)



Relative intensity of CN12719_LENA-M-DL (CLL030-1208)



Relative intensity of CN12714_LENA-W (CLL030-1208)



Relative intensity of CN12720_LENA-W-DL (CLL030-1208)

