

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

PRODUCT DATASHEET Lena series

last update 5/7/2012

Style



Ordering number CN13163_LENA-WAS

Family Lena **FWHM** Asymmetric degrees Efficiency Type Pack 81 % LED CLL030 cd/lm 1.160

Color Metal Gerber File Available Diameter 111 mm

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

Optic Material PC Holder Material Socket Fastening Status On production

Ordering number CN13173_LENA-WAS-DL

Round

Family Lena **FWHM** Asymmetric degrees

Type Pack Efficiency 76 % **LED CLL030** cd/lm 0.960 Gerber File Available Metal

Color Diameter 111 mm

Height Round Style Optic Material PC Holder Material

Fastening Socket Status On production

Ordering number CN13369_LENA-X-WAS

FWHM Family Lena Asymmetric degrees

Pack Efficiency 81 % Type 1.160 LED **CLL030** cd/lm Color White Gerber File Available

Diameter 111 mm Height 39.1 mm Reflector twist-and-locks into included base part that holds COE

Optic Material PC Holder Material PC

Style

Fastening Screw, socket Status On production

Ordering number CN13371_LENA-X-WAS-DL

Round

FWHM Asymmetric degrees Family Lena

Efficiency 80 % Type Pack LED CLL030 0.500 cd/lm Available Color White Gerber File

Diameter 111 mm Height 42 mm Reflector twist-and-locks into included base part that holds COE Style Round

Fastening Screw, socket

PC

PC

Status On production

Optic Material

Holder Material

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Ordering number CN12712_LENA-S

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

FWHM 12 degrees Efficiency 88 % cd/lm (simulated) 0.000

Gerber File Available





FWHM 12 degrees Efficiency 83 %

cd/lm (simulated) 0.000

Gerber File Available

Ordering number CN12713_LENA-M

Family Lena Pack Type **LED CLL030** Color Metal Diameter 111 mm Height 85.4 mm Round Style PC Optic Material Holder Material PC Fastening Screw Status On production

FWHM 19 degrees Efficiency 86 %

(simulated) 0.000 cd/lm Available Gerber File

Ordering number CN12719_LENA-M-DL

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

FWHM 20 degrees Efficiency 81 %

cd/lm (simulated) 0.000

Gerber File Available

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PRODUCT DATASHEET Lena series

last update 5/7/2012



Ordering number CN12714_LENA-W

Family Lena Type Pack LED CLL030 Color Metal Diameter 111 mm Height 85.4 mm Style Round РС Optic Material РС Holder Material Screw Fastening Status On production FWHM 43 degrees Efficiency 83 % cd/lm (simulated) 0.000

Gerber File Available

Ordering number CN12720_LENA-W-DL

Family Lena Type Pack LED **CLL030** Color Metal Diameter 111 mm Height 85.4 mm Style Round PC Optic Material PC Holder Material Fastening Screw Status On production FWHM 44 degrees
Efficiency 78 %
cd/lm (simulated) 0.000
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

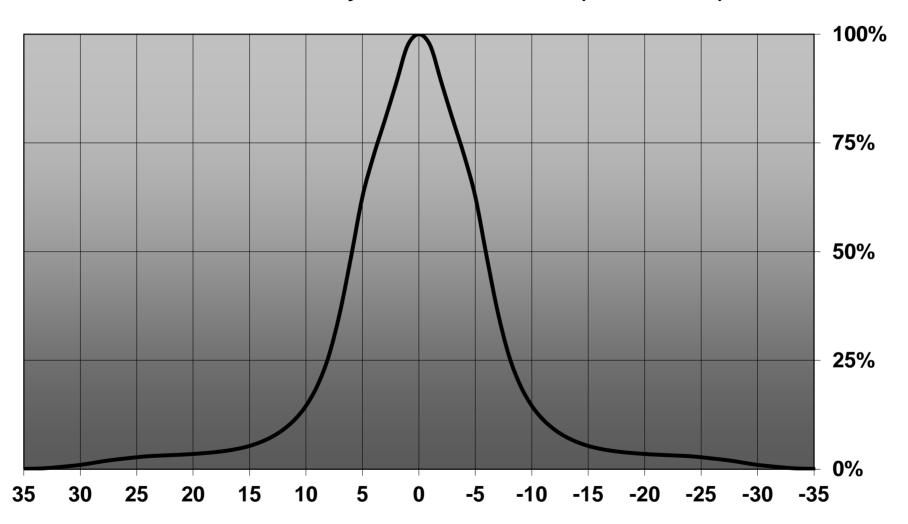
GENERAL INFORMATION

- 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.

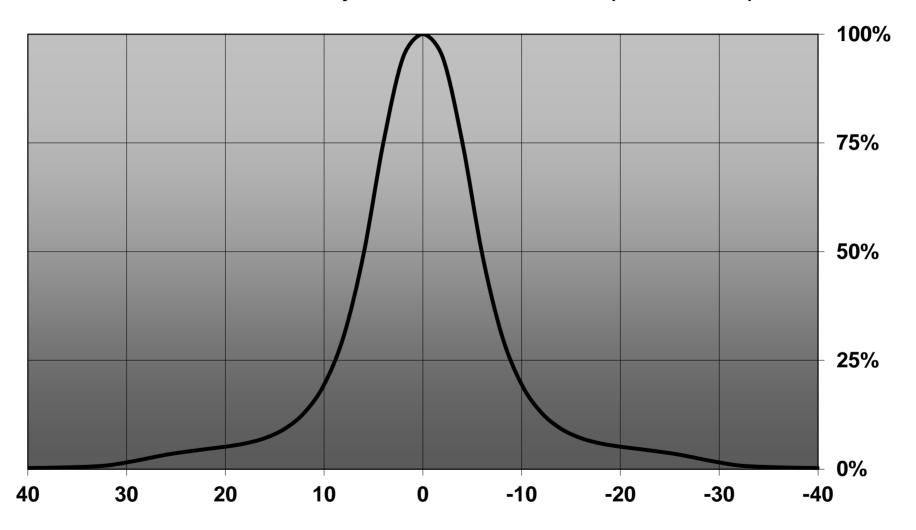
Please find more information about used materials from below:

- 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).

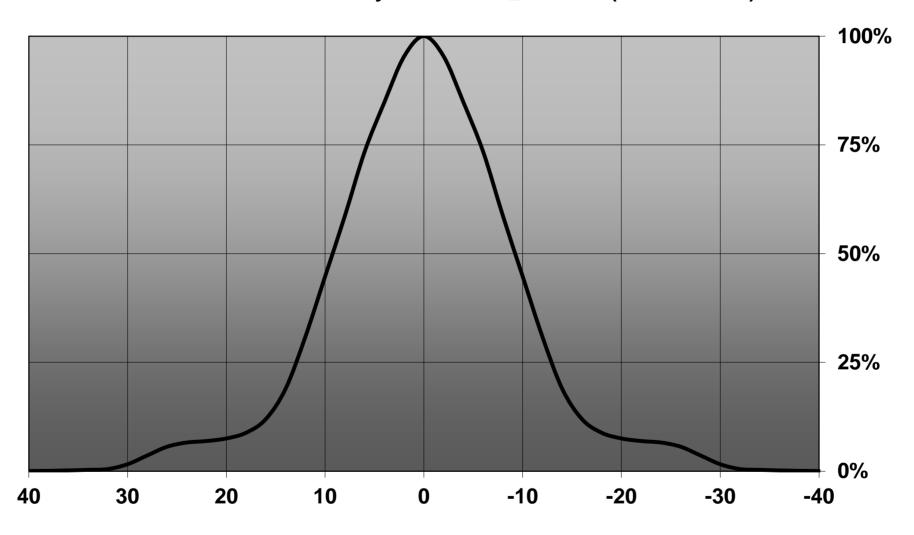
Relative intensity of CN12712_LENA-S (CLL030-1208)



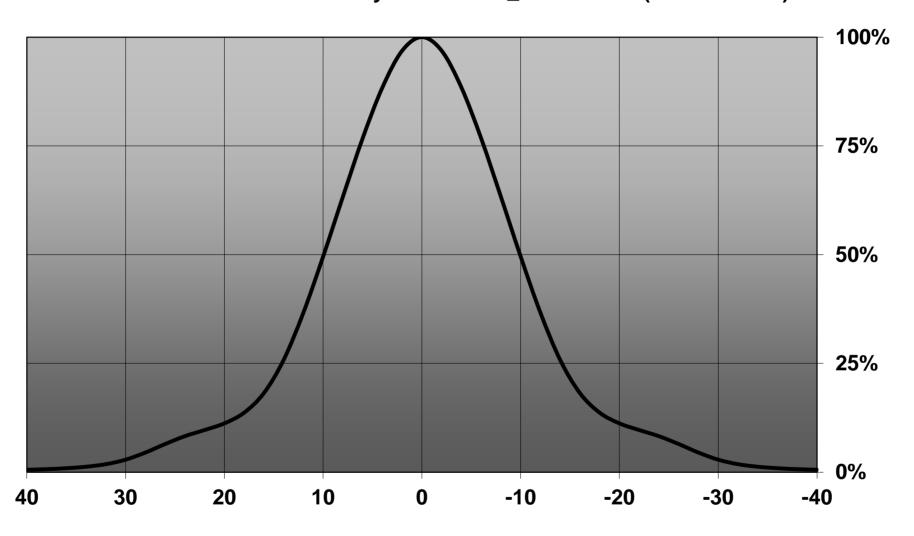
Relative intensity of CN12718_LENA-S-DL (CLL030-1208)



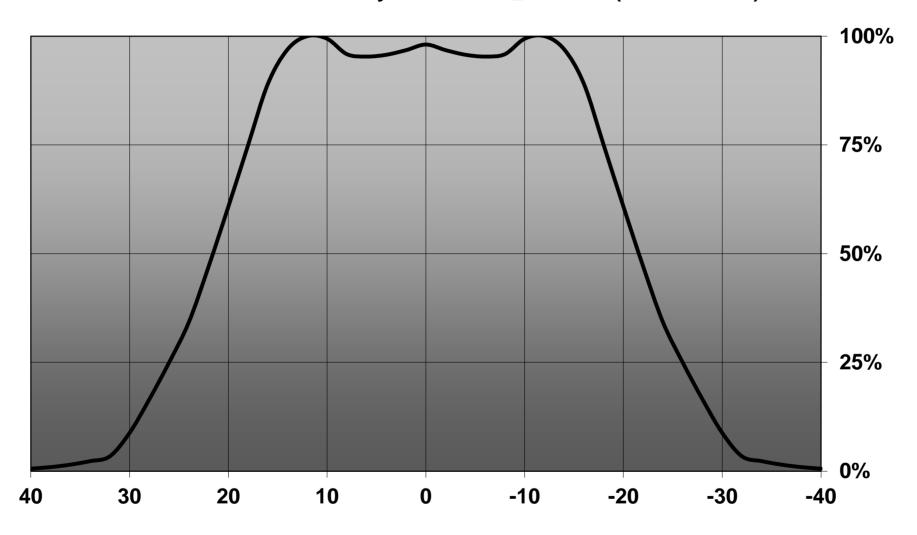
Relative intensity of CN12713_LENA-M (CLL030-1208)



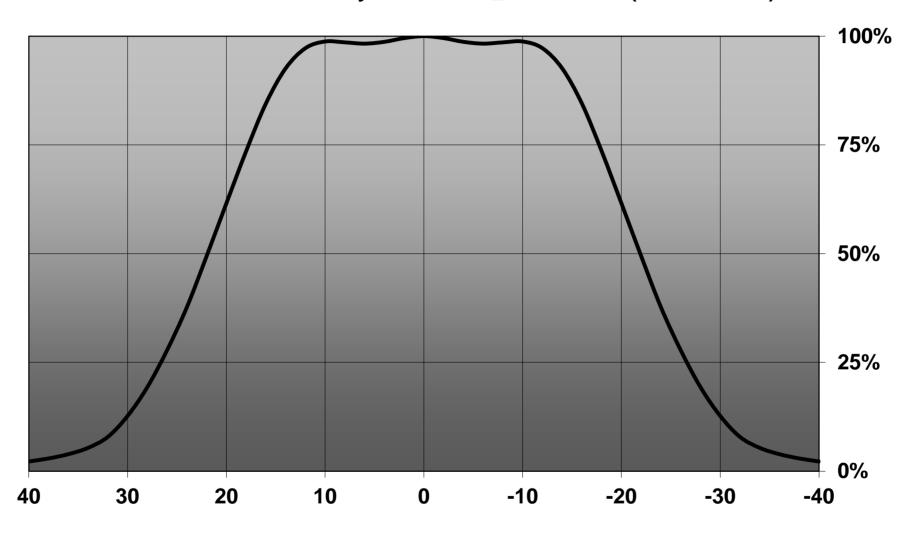
Relative intensity of CN12719_LENA-M-DL (CLL030-1208)

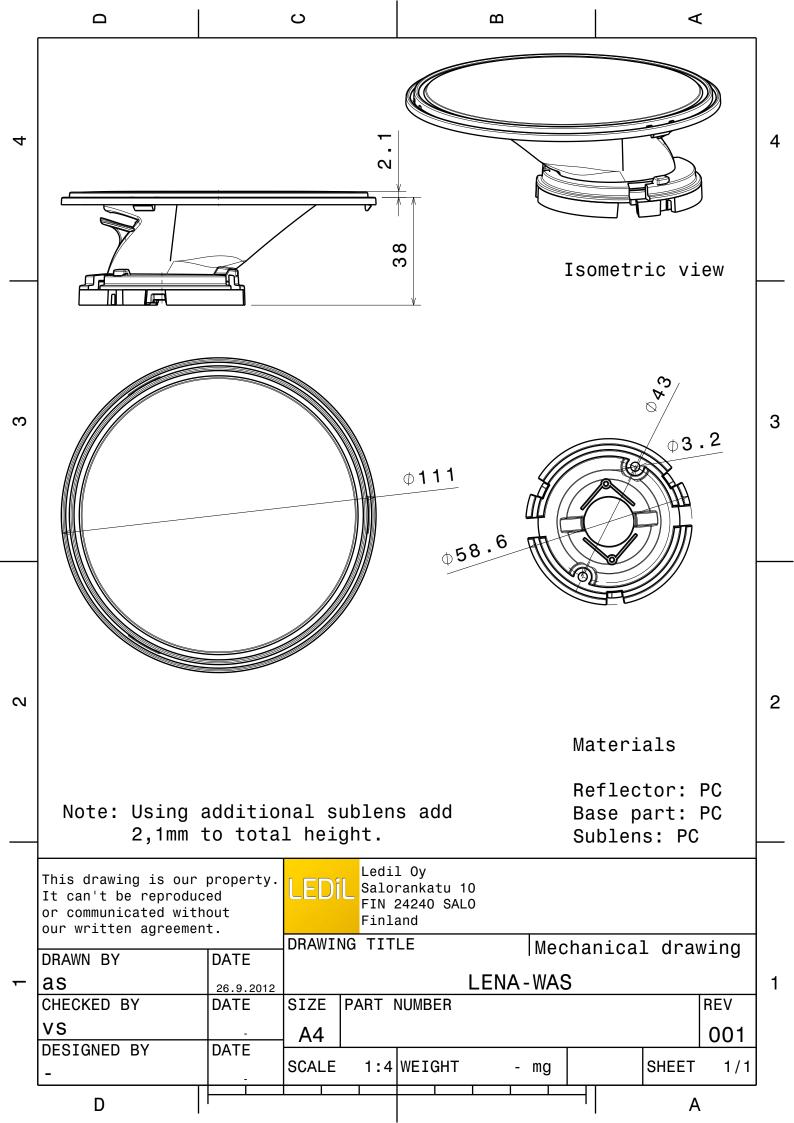


Relative intensity of CN12714_LENA-W (CLL030-1208)

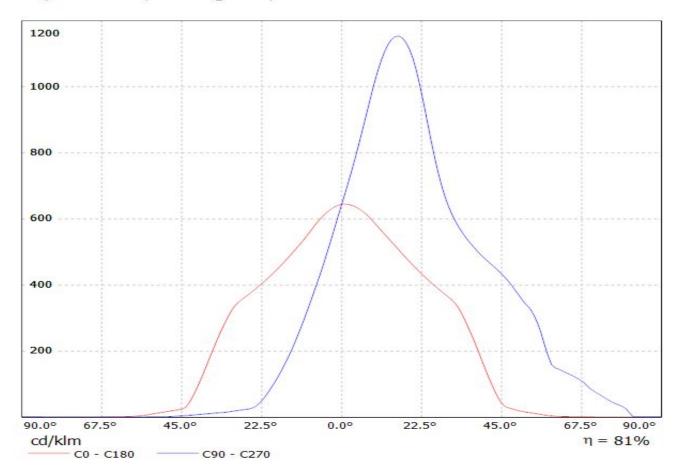


Relative intensity of CN12720_LENA-W-DL (CLL030-1208)

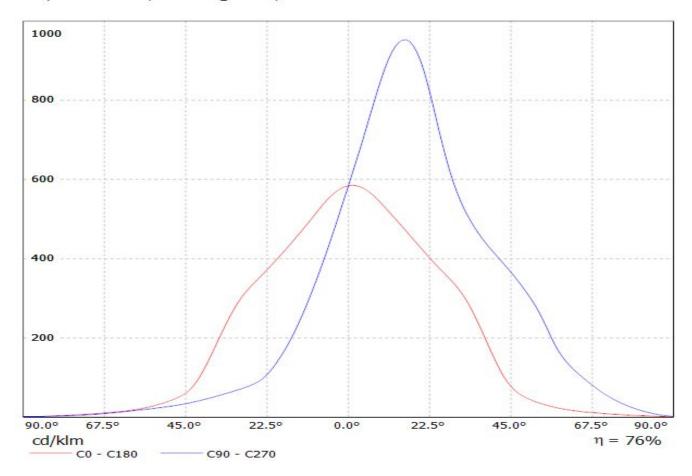




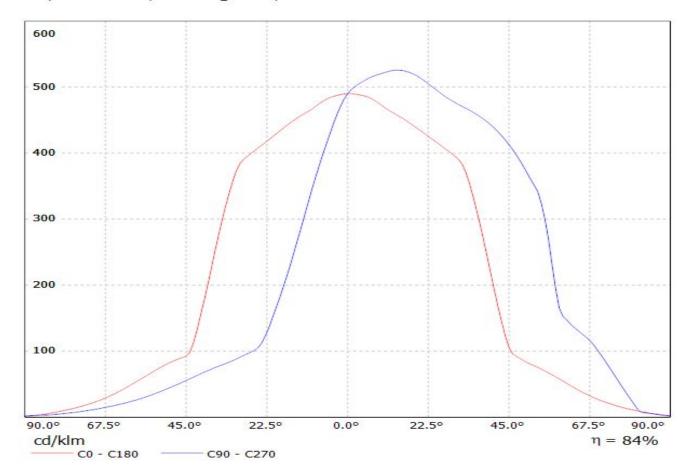
Luminaire: LEDiL Oy CN13163_LENA-WAS_(CLL030) Eff.80.7% Lamps: 4 x CLL030 (231.104Im@250mA)



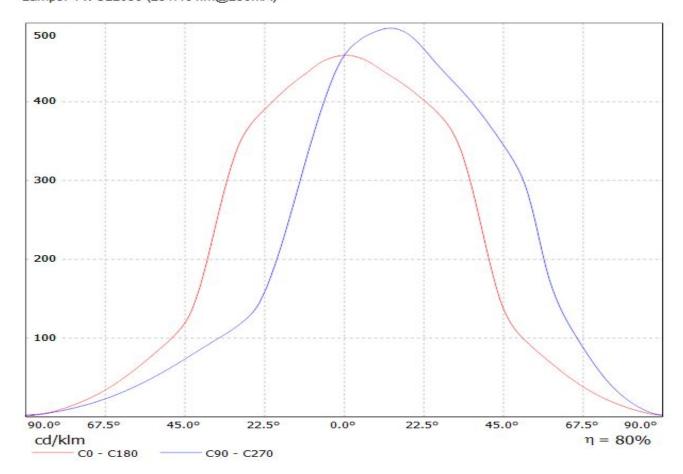
Luminaire: LEDiL Oy CN13173_LENA-WAS-DL_(CLL030) Eff.76.3% Lamps: 4 x CLL030 (231.104lm@250mA)



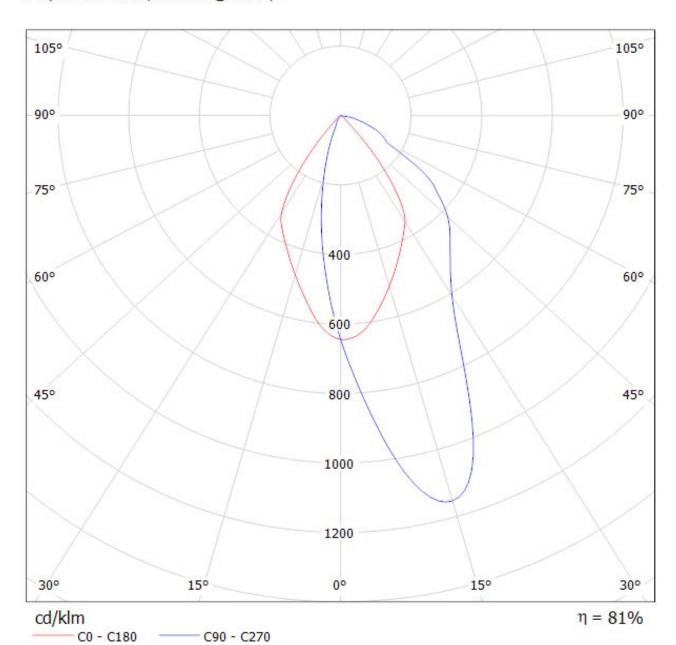
Luminaire: LEDiL Oy CN13369_LENA-X-WAS_(CLL030) Eff.83.6% Lamps: 4 x CLL030 (231.104Im@250mA)



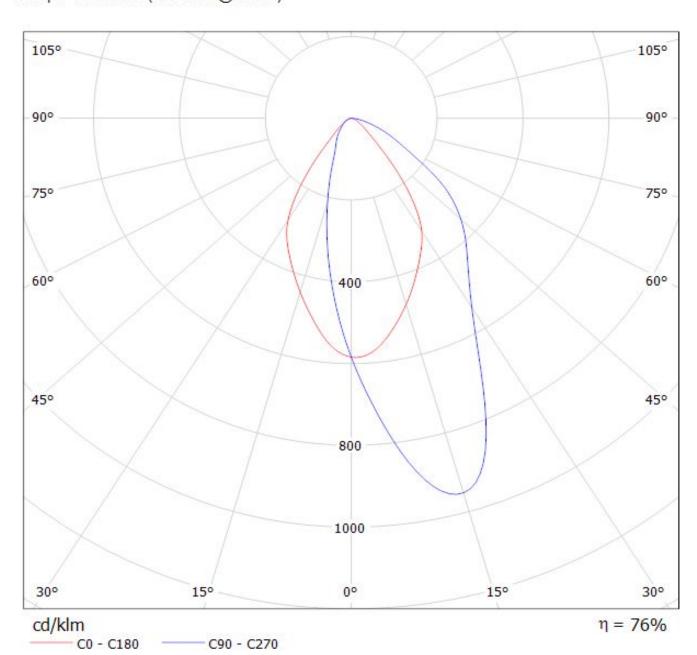
Luminaire: LEDiL Oy CN13371_LENA-X-WAS-DL_(CLL030) Eff.81.6% Lamps: 4 x CLL030 (231.104Im@250mA)



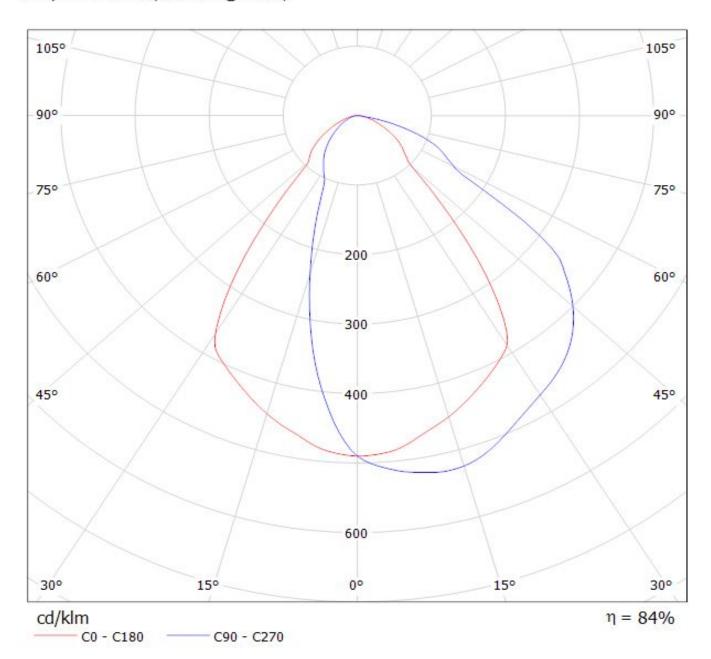
Luminaire: LEDiL Oy CN13163_LENA-WAS_(CLL030) Eff.80.7% Lamps: 4 x CLL030 (231.104Im@250mA)



Luminaire: LEDiL Oy CN13173_LENA-WAS-DL_(CLL030) Eff.76.3% Lamps: 4 x CLL030 (231.104lm@250mA)



Luminaire: LEDiL Oy CN13369_LENA-X-WAS_(CLL030) Eff.83.6% Lamps: 4 x CLL030 (231.104lm@250mA)



Luminaire: LEDiL Oy CN13371_LENA-X-WAS-DL_(CLL030) Eff.81.6% Lamps: 4 x CLL030 (231.104Im@250mA)

