

last update 21/4/2016



Product number C13489_HB-5X1-WW

Family High Bay
Type Lens array
LED XM-L
Color Clear
Diameter 123 + 25 mm

Diameter 123 + 25 m
Height 9.3 mm
Style Rectang
Optic Material PMMA

Holder Material -

Fastening ["glue", "screw", "pin"]
Status Production ready

Product number CS14130_HB-IP-2X6-W

Family High Bay
Type Assembly
LED XM-L

Color White
Diameter 173 + 71.4 mm

Height 11.4 mm
Style Rectang
Optic Material PMMA

Holder Material -

Fastening ["screw", "pin"]
Status Production ready

Product number C14541_HB-2X2-RS

High Bay Family Type Lens array **LED** XM-L Color Clear Diameter 50 x 50 mm Height 10 mm Style Rectang Optic Material **PMMA** Holder Material

Fastening ["screw"]
Status Production ready

Product number C14605_HB-2X2-RW

Family High Bay Type Lens array LED XM-L Color Clear Diameter 50x50 mm Height 8.5 mm Style Square Optic Material **PMMA**

Optic Material PMN
Holder Material -

Fastening ["pin", "screw"]
Status Production ready

FWHM (simulated) 80

Efficiency - cd/lm -

Gerber File Available

FWHM (simulated) 57 Efficiency (simulated) 93 %

cd/lm

Gerber File Available

Wide square shaped light distribution. Developed

especially for high bay applications.

FWHM (simulated) 19
Efficiency (simulated) 92 %
cd/lm (simulated) 5.620
Gerber File Available

FWHM (simulated) 54
Efficiency (simulated) 92 %
cd/lm (simulated) 1.180

Gerber File Available

Wide light pattern between C13233_HB-2X2-M and

C13232_HB-2X2-WW beam angles.

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Product number CS14895_HB-IP-2X6-RS

Family High Bay
Type Assembly
LED XM-L
Color Clear

Diameter 173 + 71.4 mm
Height 11.39 mm
Style Rectang
Optic Material PMMA
Holder Material -

Fastening ["pin", "screw"]
Status Production ready

Product number CS14891_HB-IP-2X6-M

Family High Bay
Type Assembly
LED XM-L
Color Clear

Diameter 173 + 71.4 mm
Height 11.39 mm
Style Rectang
Optic Material PMMA
Holder Material -

Fastening ["screw", "pin"]
Status Production ready

Product number C13749_HB-2X2-O

Family High Bay FWHM 29+109 degrees

FWHM

cd/lm

FWHM

cd/lm

Efficiency

Gerber File

Efficiency

Gerber File

21 degrees

94 %

5.100

Available

27 degrees

94 %

3.100

Available

Developed especially for warehouse aisle lighting

 Type
 Lens
 Efficiency
 94 %

 LED
 XM-L
 cd/lm
 0.980

 Color
 Clear
 Gerber File
 Available

 Diameter
 50 + 50 mm
 Diameter
 Diameter
 Diameter

Style Square Optic Material PMMA

Height

Holder Material Fastening ["glue", "screw", "pin"]
Status Production ready

10.6 mm

Product number C14607_HB-2X2-M

Family High Bay
Type Lens array
LED XM-L
Color Clear
Diameter 50x50 mm
Height 8.5 mm

Diameter 50x50 m

Height 8.5 mm

Style Square

Optic Material PMMA

Holder Material -

Fastening ["pin", "screw"]
Status Production ready

FWHM 32 degrees
Efficiency 93 %
cd/lm 2.040
Gerber File Available

application, aisle width 3-4 meters.

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Product number CS14597_HB-IP-2X6-O

Family High Bay Type Assembly LED XM-L Color Clear Diameter 173x71.4 mm

Height 12.2 mm Style Rectang **PMMA** Optic Material Holder Material Fastening

Production ready Status

Product number C13490_HB-5X1-FLAT-W

Family High Bay **FWHM** Type Lens array Efficiency **LED** XM-L cd/lm Color Clear Gerber File Diameter 123 + 25 mm Otherwise same as C12345_HB-5X1-W but bottom Height 8.5 mm structure is flat allowing more freedom in PCB design.

FWHM

cd/lm

Efficiency

Gerber File

36+110 degrees

91 %

0.610

Available

54 degrees

Available

56 degrees

89 %

0.900

Available

91 %

Style Rectang Optic Material **PMMA** Holder Material

Fastening ["glue", "screw", "pin"] Status Production ready

Product number C12345_HB-5X1-W

FWHM High Bay Family Efficiency Type Lens array **LED** XM-L cd/lm Color Clear Gerber File 123 + 25 mm Diameter Height 9 mm

Style Rectang Optic Material **PMMA** Holder Material

Fastening ["pin", "glue", "screw"] Status Production ready

Product number C12361_HB-2X2-W

Family High Bay Lens array Type LED XM-L Color Clear 50x50 mm Diameter Height 8.5 mm Style Square Optic Material **PMMA**

Holder Material

Fastening ["glue", "pin", "screw"] Status Production ready

FWHM 57 degrees

89 %

0.860

Available

Efficiency

Gerber File

cd/lm

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Product number C14606_HB-2X2-WW

Family High Bay Type Lens array LED XM-L Color Clear Diameter 50x50 mm Height 8.5 mm Style Square Optic Material **PMMA**

Holder Material Fastening ["pin", "screw"]
Status Production ready

FWHM 66 degrees
Efficiency 93 %
cd/lm 0.760
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.



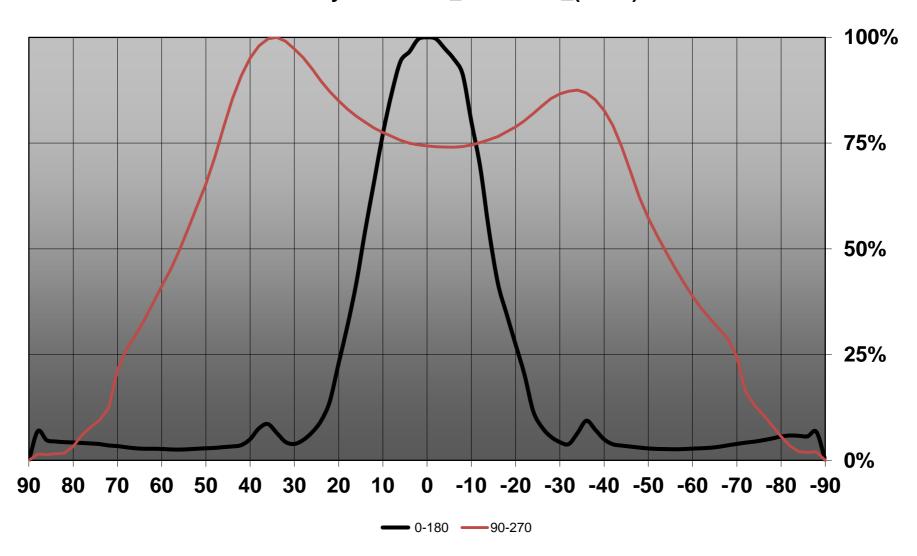
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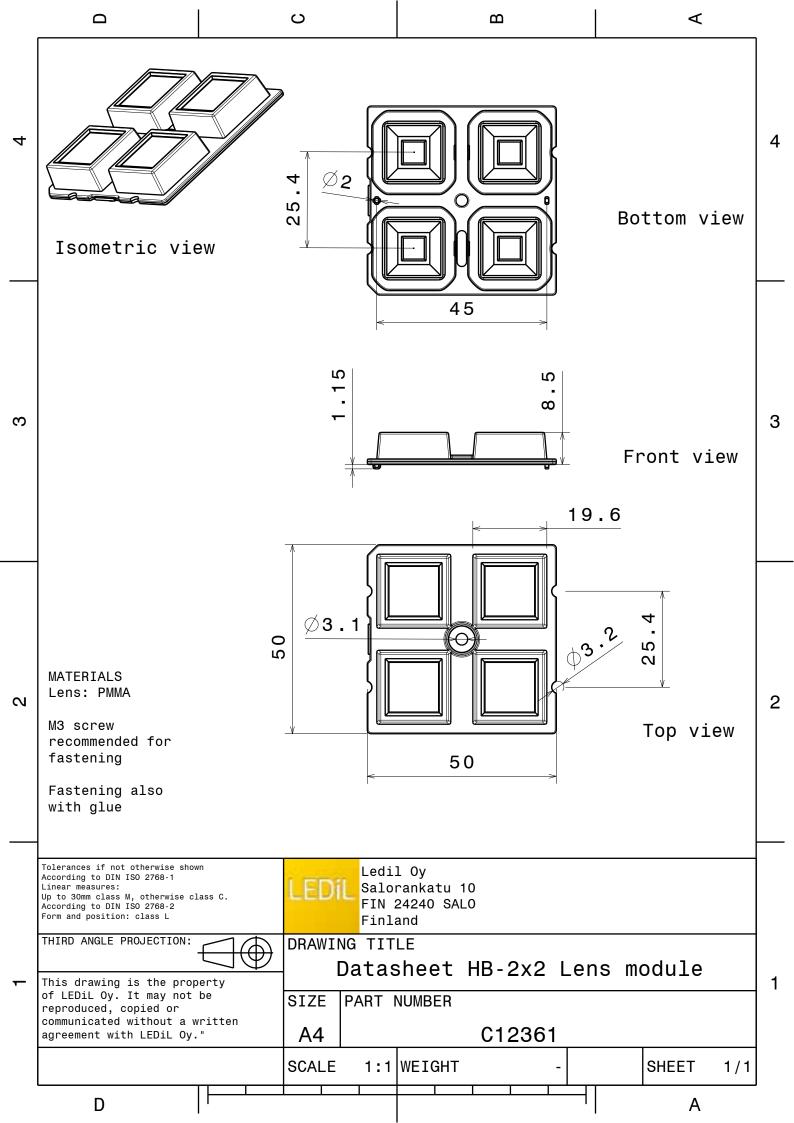
GENERAL INFORMATION

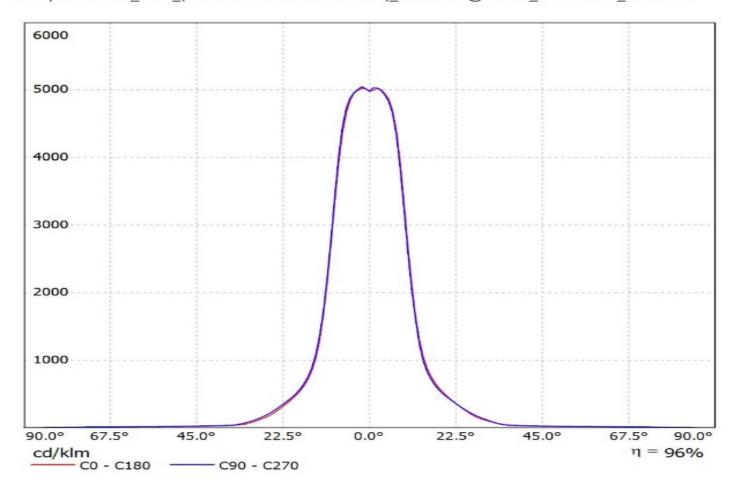
- Product series especially designed & optimized for XM-L series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PMMA with high UV and temperature resistance. Allows use of high current and temperature conditions.

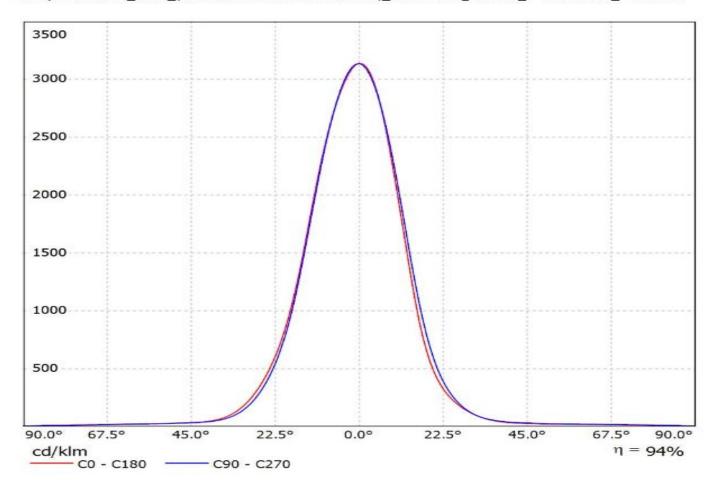
Please find more information about used material from below: http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%208N%20UL94_Yellow%20Card.pdf http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%208N%20PLEXIGLAS-Datasheet.pdf

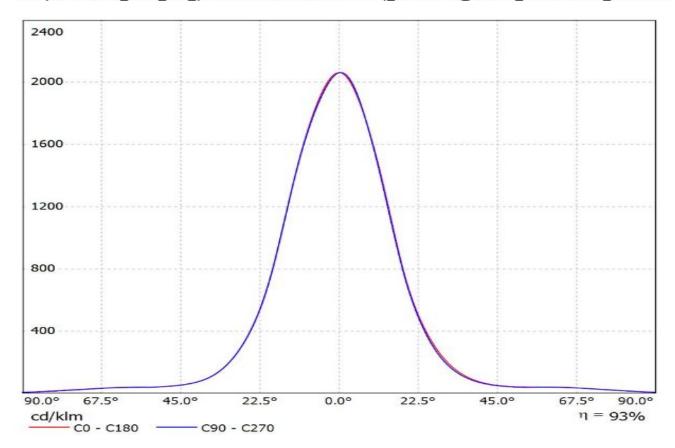
Relative intensity of C13749_HB-2X2-O_(XM-L)

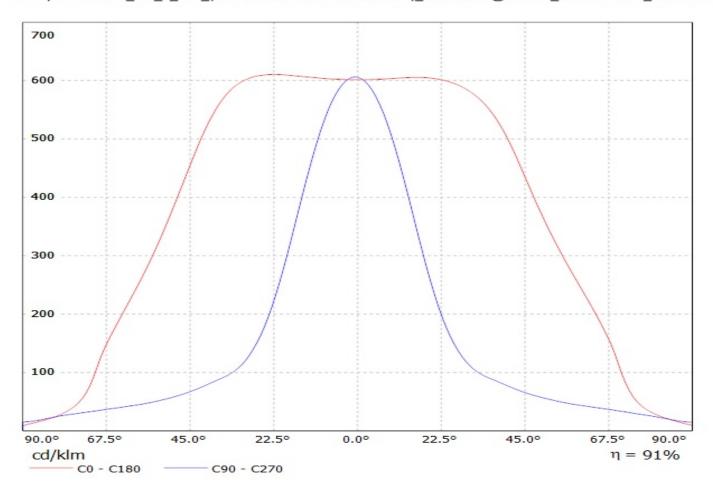




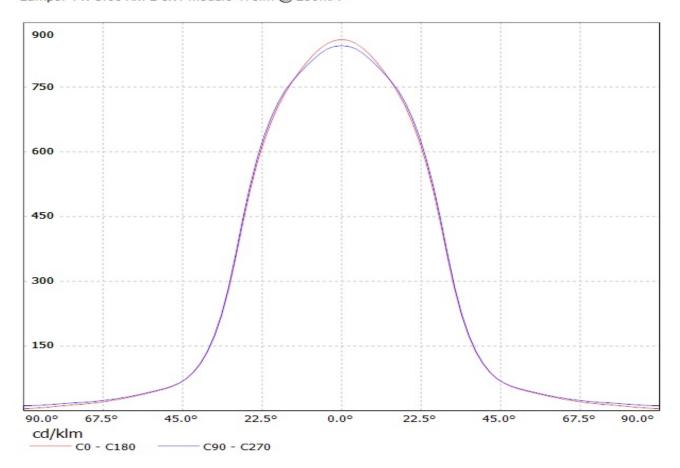




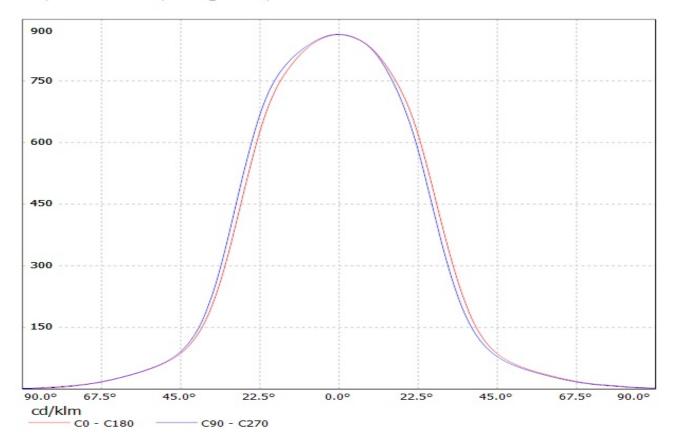


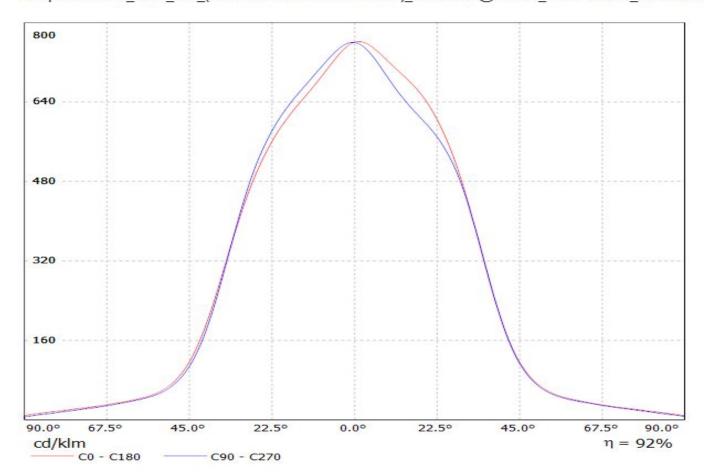


Luminaire: Ledil Oy C12345-HB-5x1 C12345-HB-5x1 LOR=89% Lamps: 1 x Cree XM-L 5x1 module 473Im @ 250mA

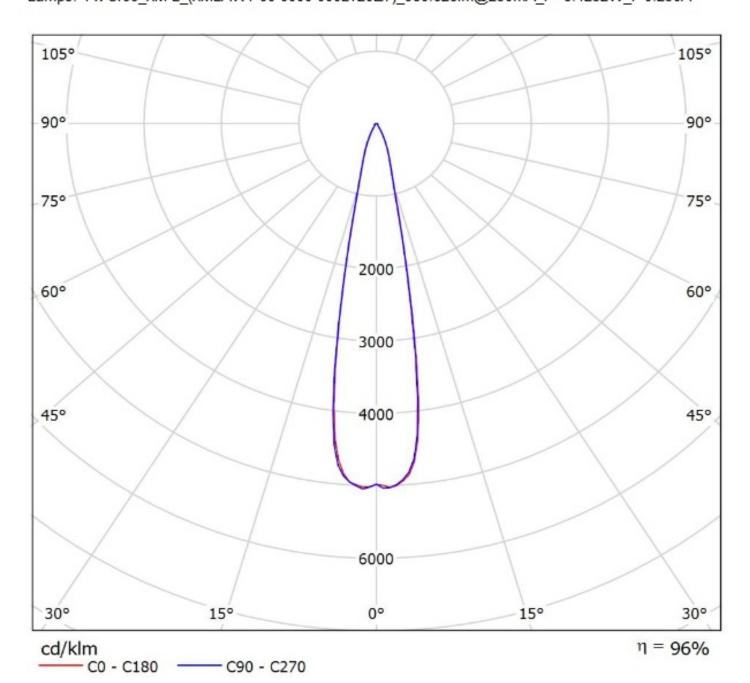


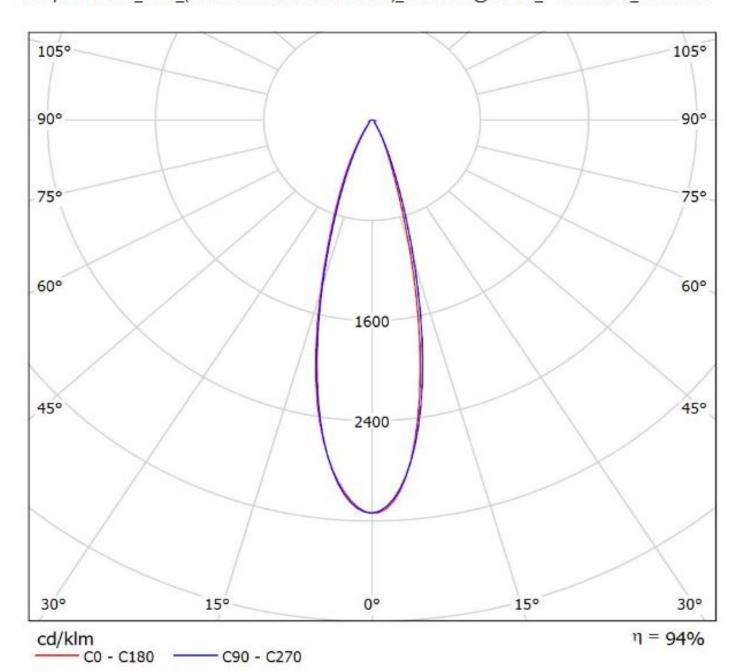
Luminaire: LEDIL OY C12361_HB-2X2 (XM-L) Efficiency=89% Lamps: 1 x Cree XM-L (395Im @ 250mA)



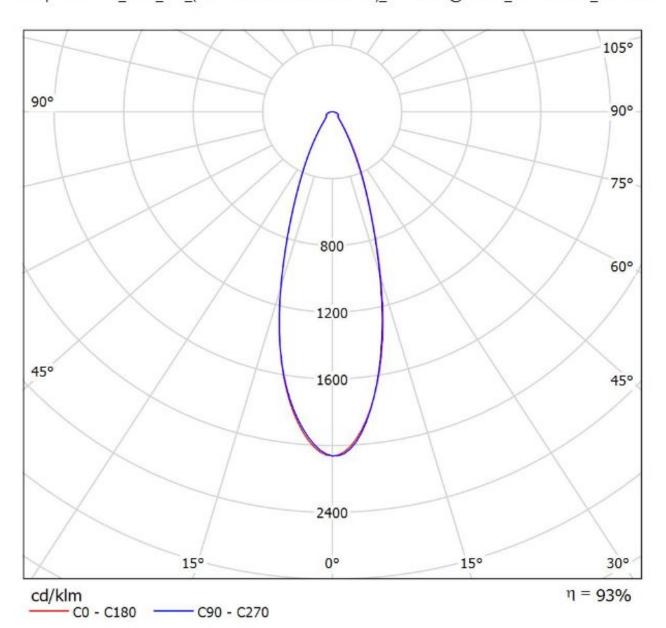


Luminaire: LEDiL Oy CS14895_HB-IP-2X6-RS_(XM-L)
Lamps: 1 x Cree_XM-L_(XMLAWT-00-0000-000LT20E7)_980.828Im@250mA_P=8.1232W_I=0.250A

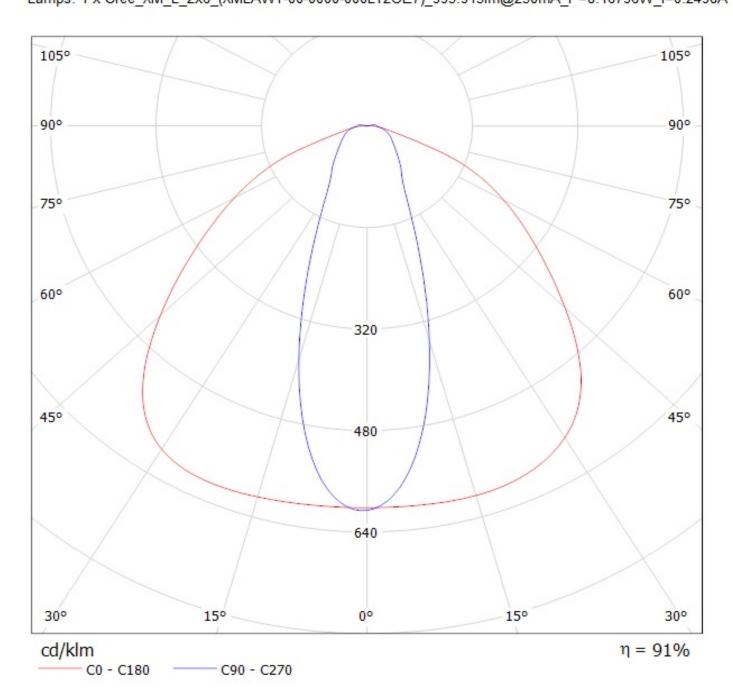




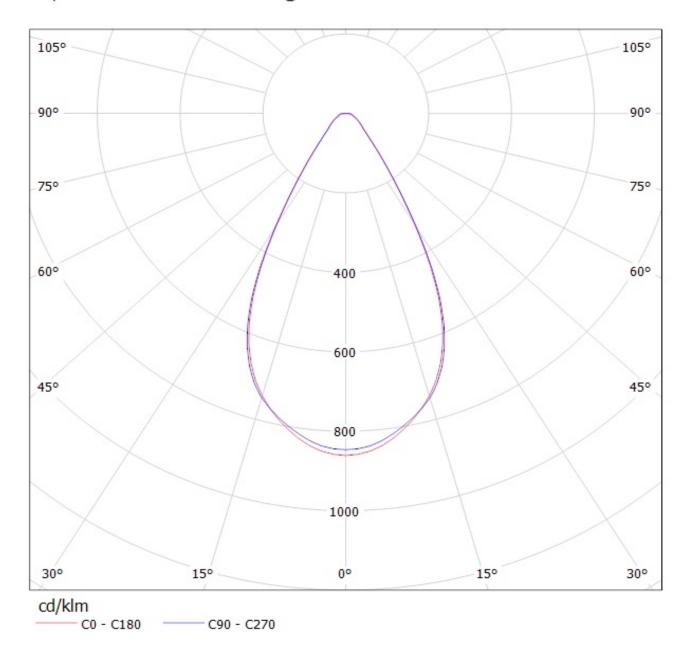
Luminaire: LEDiL Oy C14607_HB-2X2-M_(XM-L)
Lamps: 1 x Cree_XM-L_2x2_(XMLAWT-00-0000-000LT20E7)_334.631lm@250mA_P=2.75215W_l=0.2499A



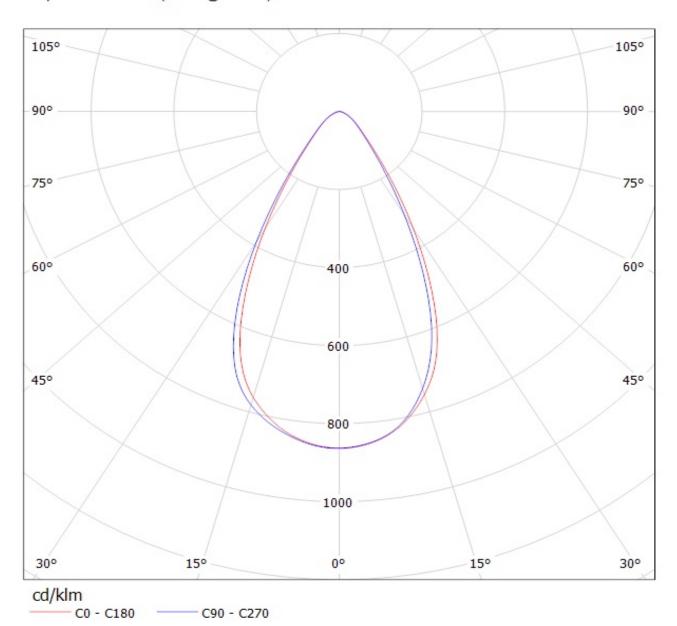
Luminaire: LEDiL Oy CS14597_HB-IP-2X6-O_(XM-L)
Lamps: 1 x Cree_XM_L_2x6_(XMLAWT-00-0000-000LT2OE7)_995.915Im@250mA_P=8.16796W_I=0.2498A



Luminaire: Ledil Oy C12345-HB-5x1 C12345-HB-5x1 LOR=89% Lamps: 1 x Cree XM-L 5x1 module 473lm @ 250mA



Luminaire: LEDIL OY C12361_HB-2X2 (XM-L) Efficiency=89% Lamps: 1 x Cree XM-L (395Im @ 250mA)



Luminaire: LEDiL Oy C14606_HB-2X2-WW_(XM-L) Lamps: 1 x Cree_XM-L_2x2_(XMLAWT-00-0000-000LT20E7)_338.257Im@250mA_P=2.75205W_I=0.2498A

