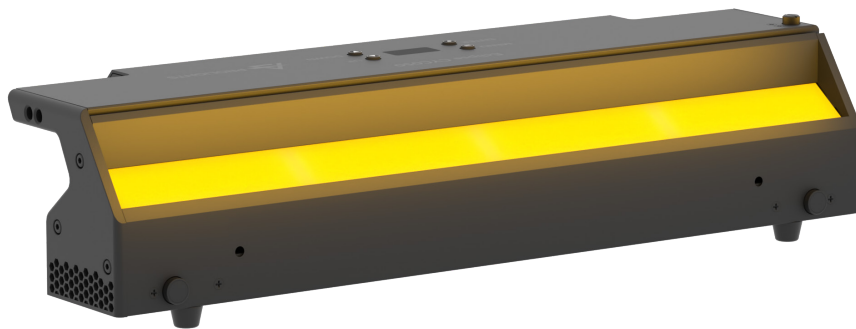




PROLiGHTS

GUIDELINES FOR INSTALLATION SETUP



EclCyclorama 050

170 W linear soft CYC and flood light
with RGB + Warm White colour mixing

Introduction

The ECLCYC050 is an asymmetrical fixture that has been designed for application as CYC light and flood-light being able to be placed both at the front or at the end of the stage. Its soft and wide optics features a beam angle of 80° horizontal x 40° Vertical (asymmetry of 25° on the vertical), making this fixture flexible and effective to illuminate walls, sets and cyclorama uniformly with and even wash with a perfect blending of colours in multiple and flexible configurations.

The ECLCYC050 ensures good light distribution from 1m up to 3m installation distance from the CYC wall, and it can be installed placing fixtures next each other in a continuous line or with a clearance of up to 3 meter without hard edges or dark gaps, even when illuminating curved canvas.

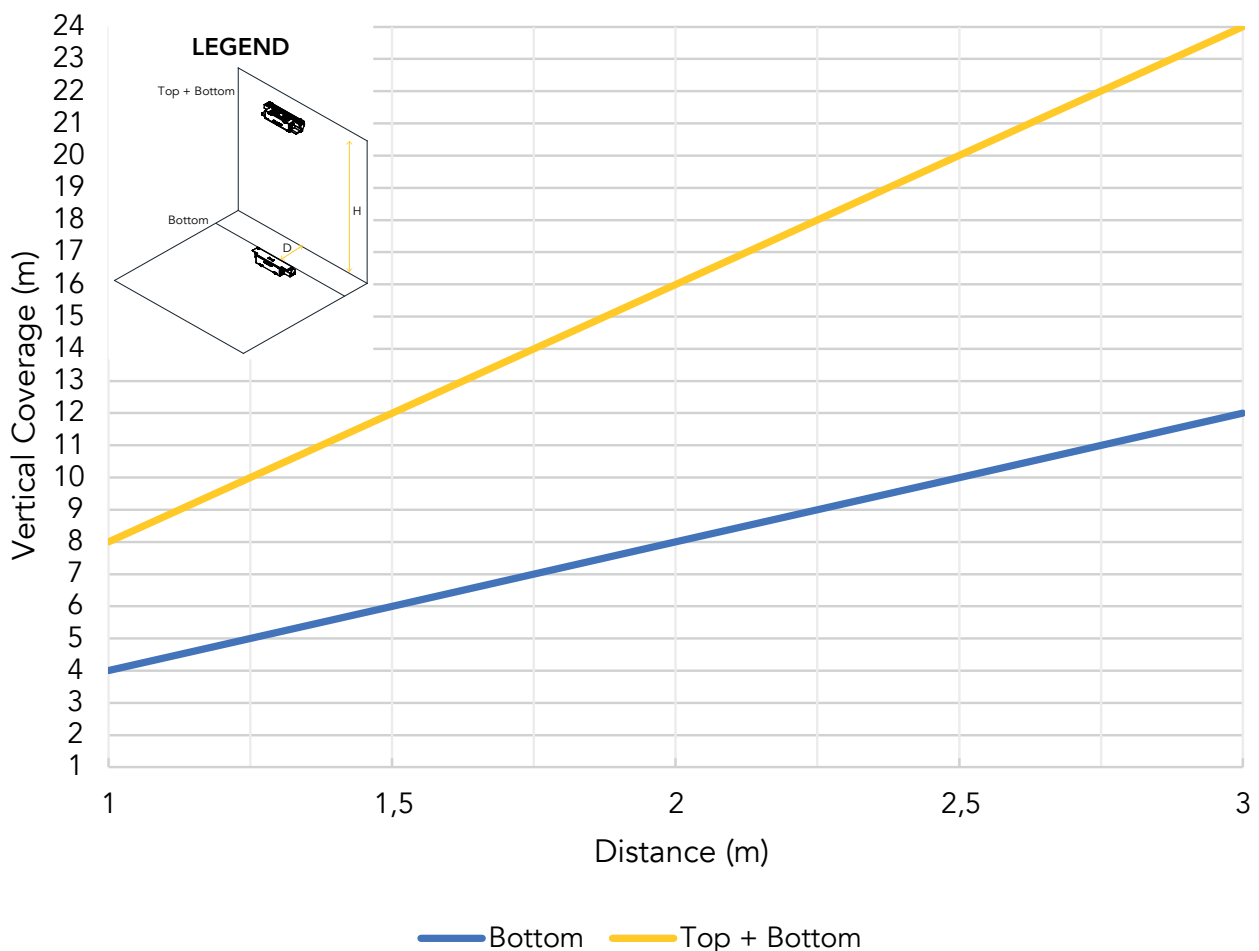
Installation configurations

ECLCYC050 can be installed at the bottom, top or both top+bottom depending of the desired effect (evenness or color gradient on the cyclorama).

One of the key aspects of the ECLCYC050 is its flexibility, and this document will shows how the fixture will be have at different distance from the **CYC wall**, and how it performs when combines in top+bottom configuration.

The ECLCYC050 is equipped with on board adjustable foot to regulate the tilt for the fixture focusing. The Tilt adjustment has a range of $\pm 8^\circ$. For distances from 1 to 1,5m the Tilt should adjusted at $+8^\circ$, for distances more than 3m the Tilt should be adjusted at -8° .

Relation between vertical coverage and distance from the cyc wall



Simple rules to take in mind

When ECLCYC050 units are installed in a single row of **N** units (top or bottom) they illuminate the walls with a uniform horizontal distribution that fades in intensity vertically. When they are installed on two rows of **N** units each (top+bottom) at the same working distance from the wall, they create a uniform light distribution achieving the best uniformity on the cyclorama wall.

One row setup of "N" ECLCYC050 (top or bottom)

- VC (Vertical Coverage) = $D \times 4m$

Two rows setup of "N" ECLCYC050 (top+bottom)

- VC (Vertical Coverage) = $D \times 8m$

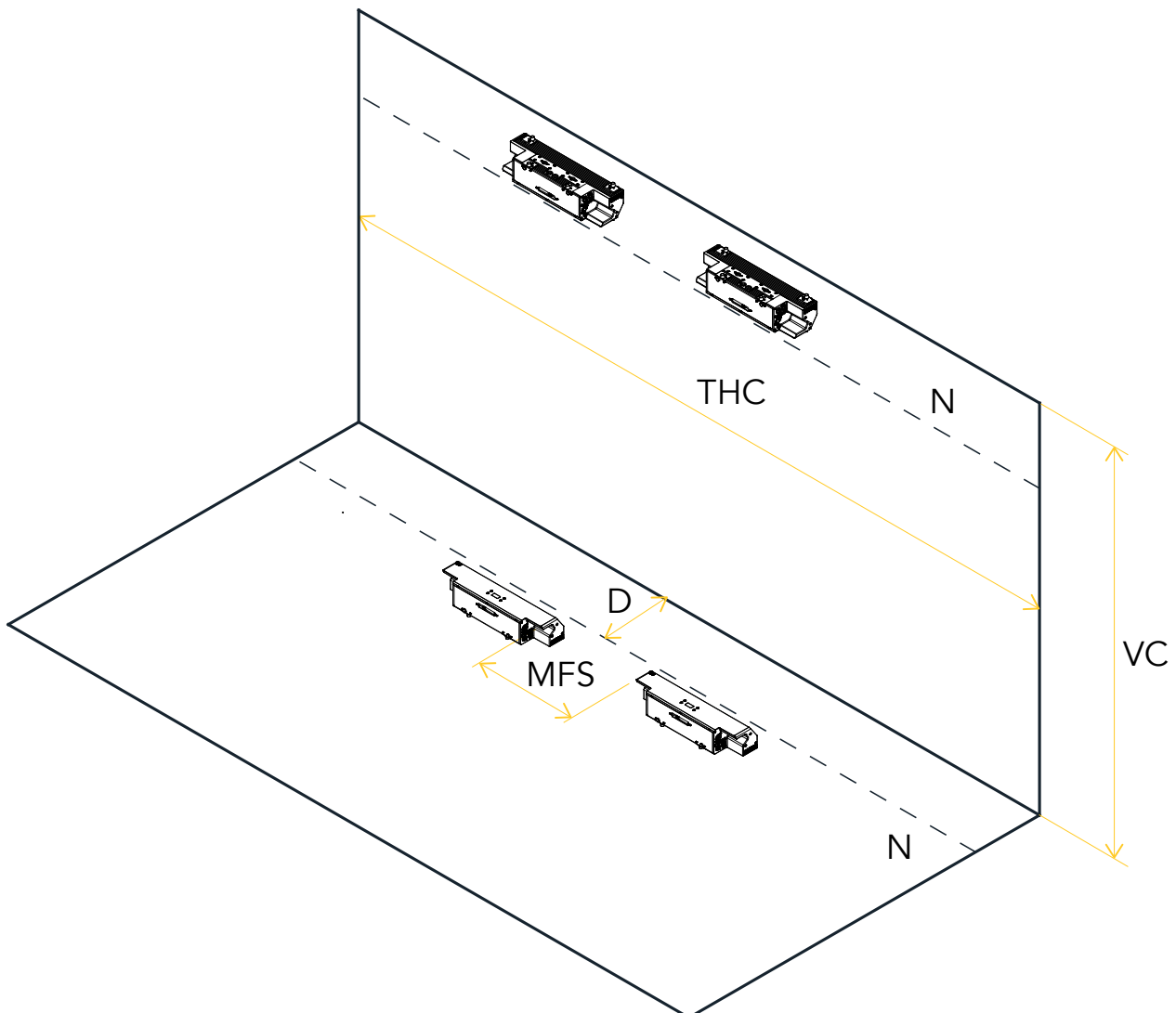
Distance (**D**) to CYC Wall = **1-3m**

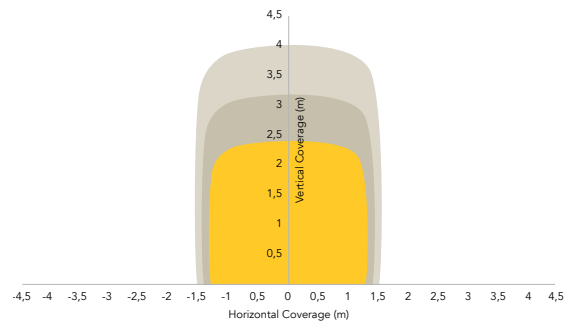
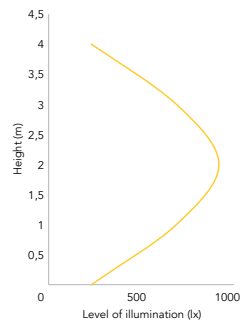
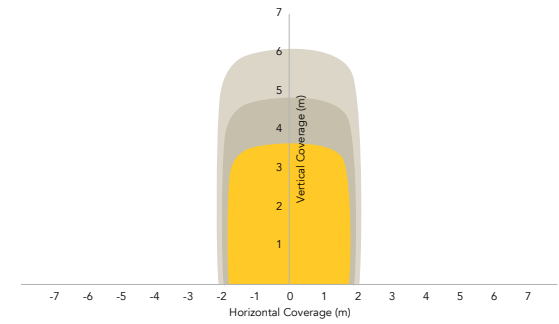
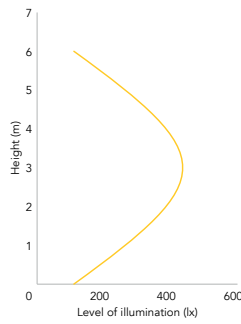
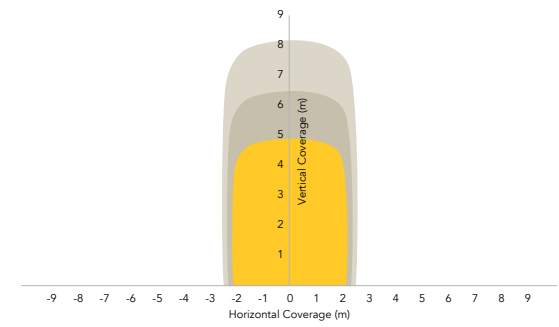
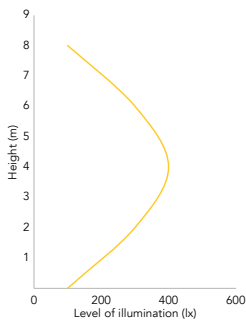
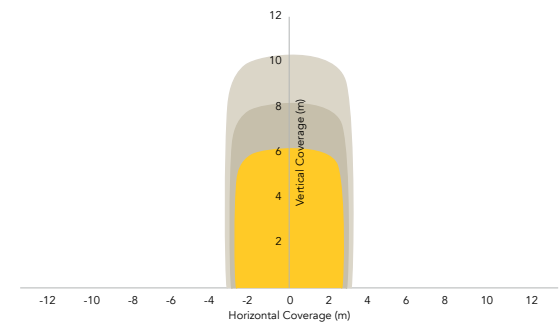
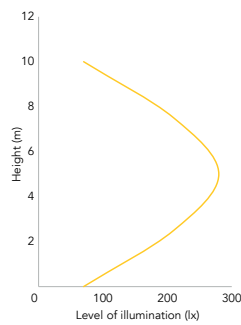
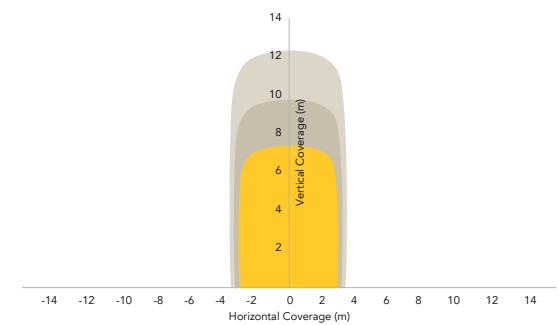
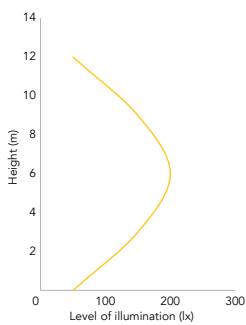
Tilt adjustment for distances **from 1 to 1,5m**: **+8°**
for distances **more than 3m**: **-8°**

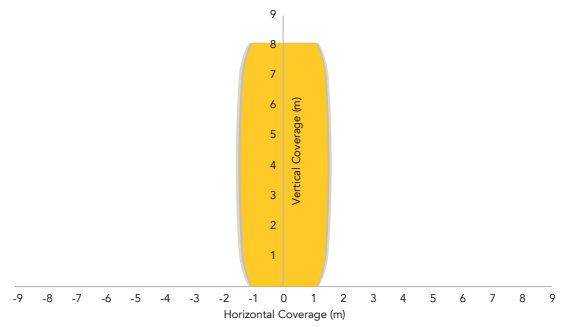
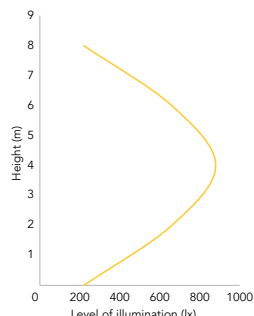
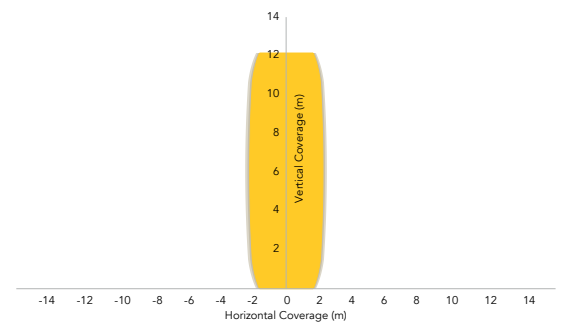
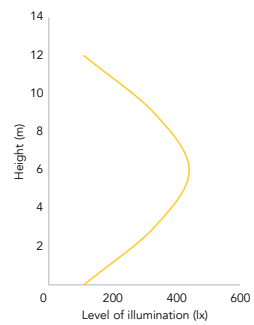
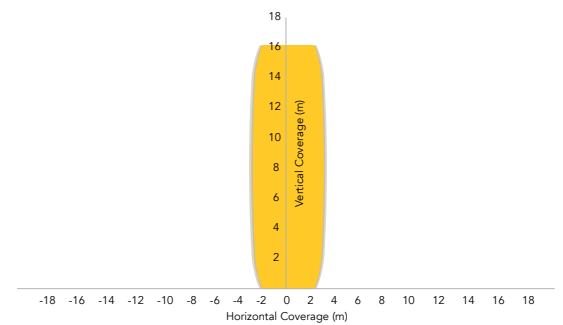
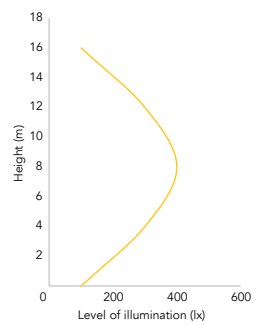
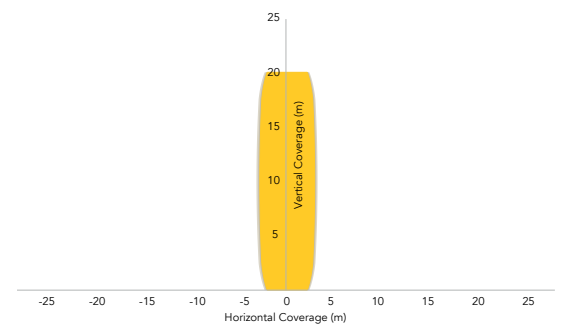
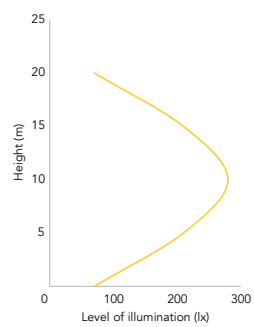
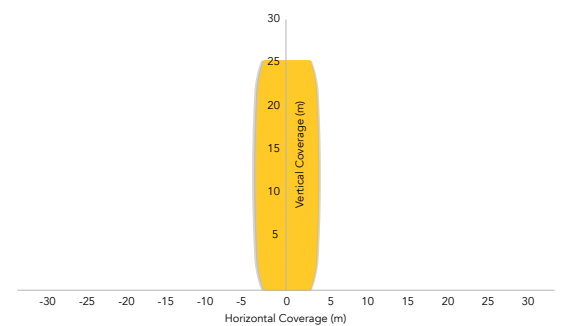
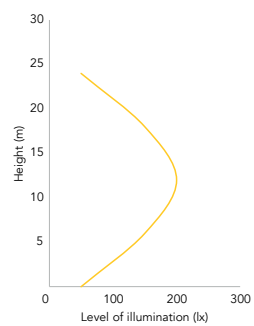
Maximum Fixture Spacing (**MFS**) = **3m**

Horizontal Coverage (**HC**) of 1 unit = **6m**

Total Horizontal Coverage (**THC**) of **N** units with acceptable uniformity = **$N \times 3m$**

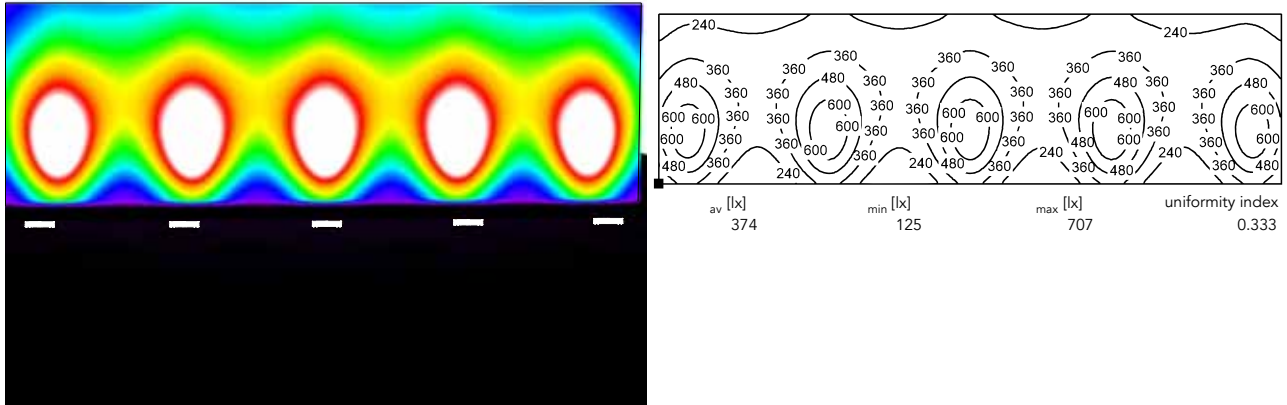


ECLCYC050 PERFORMANCE WITH DIFFERENCE INSTALLATION CONFIGURATIONS (TOP OR BOTTOM)
DISTANCE = 1m TILT = 8°

DISTANCE = 1.5m TILT = 8°

DISTANCE = 2m TILT = 0°

DISTANCE = 2.5m TILT = 0°

DISTANCE = 3m TILT = -8°


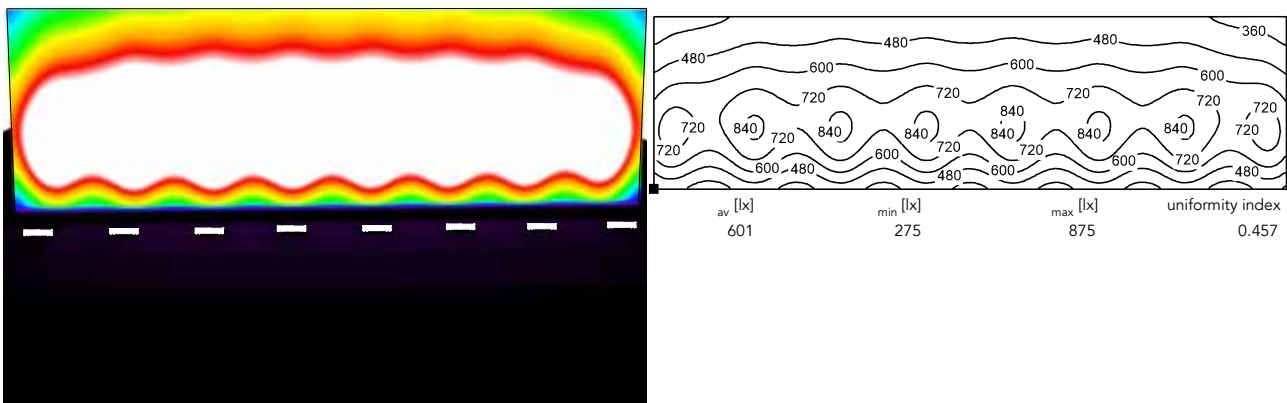
ECLCYC050 PERFORMANCE WITH DIFFERENCE INSTALLATION CONFIGURATIONS (TOP AND BOTTOM)
DISTANCE = 1m TILT = 8°

DISTANCE = 1.5m TILT = 8°

DISTANCE = 2m TILT = 8°

DISTANCE = 2.5 m TILT = 0°

DISTANCE = 3m TILT = -8°


Case study 1: Wall 12m x 4m D = 1m

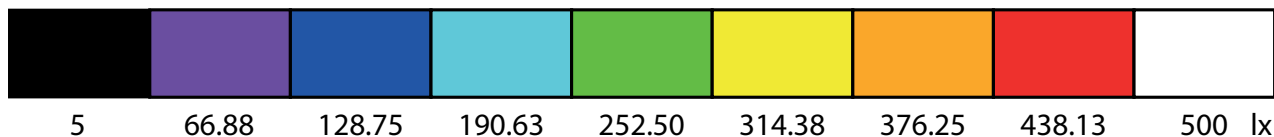
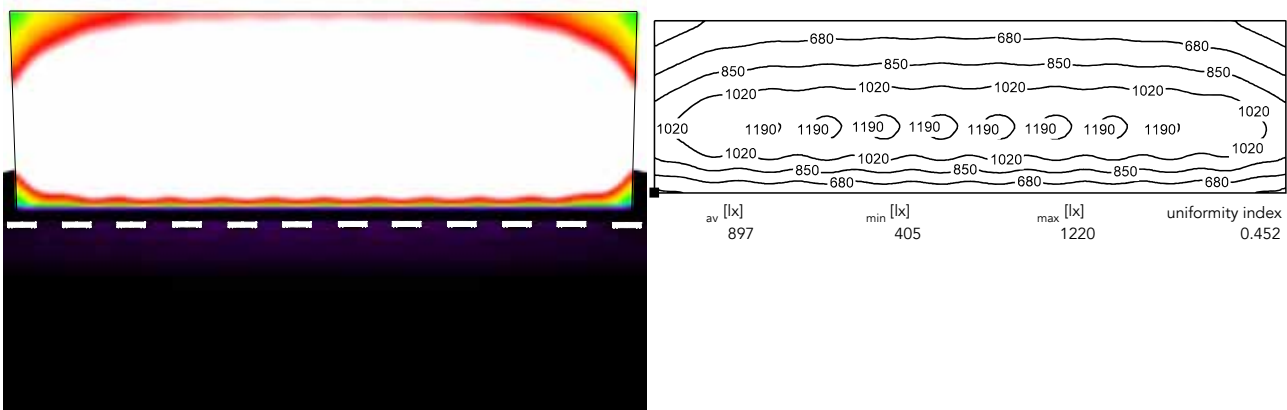
Minimum configuration: 5 pcs ECLCYC050 placed at the bottom with Fixture Spacing (FS) 2m.



Medium configuration: 8 pcs ECLCYC050 placed at the bottom with Fixture Spacing (FS) 1m.

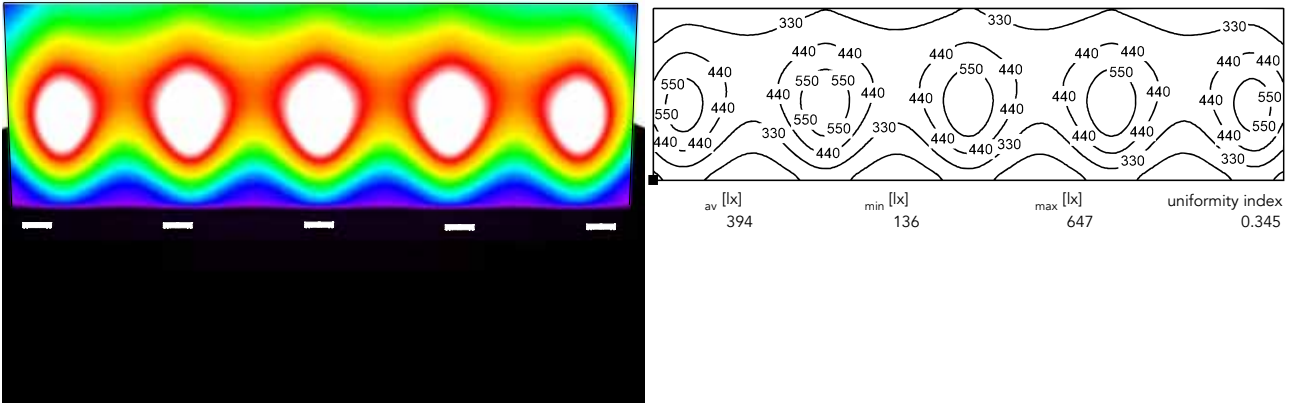


Best configuration: 12 pcs ECLCYC050 placed at the bottom with Fixture Spacing (FS) 0.5m.

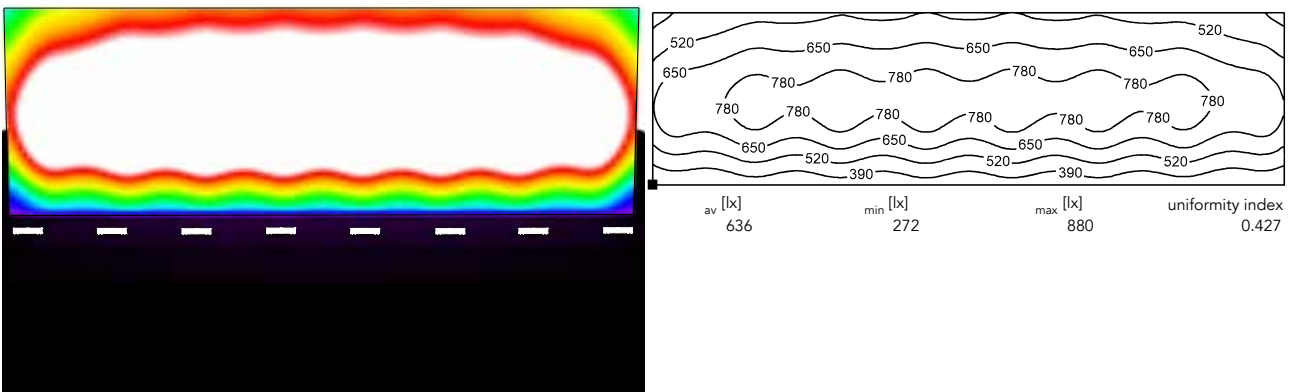


Case study 1: Wall 12m x 4m D = 1.5m

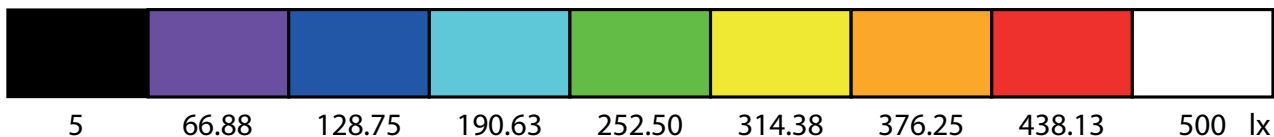
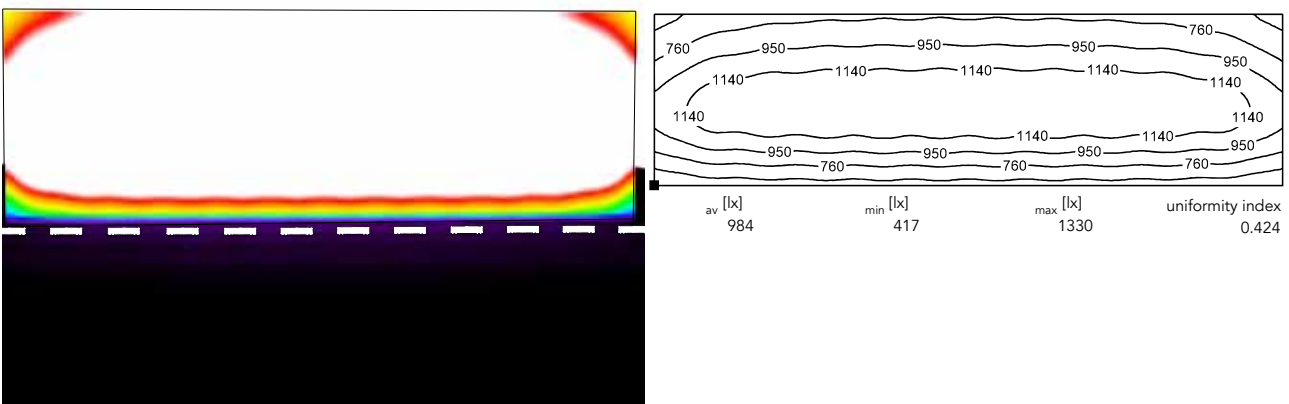
Minimum configuration: 5 pcs ECLCYC050 placed at the bottom with Fixture Spacing (FS) 2m.



Medium configuration: 8 pcs ECLCYC050 placed at the bottom with Fixture Spacing (FS) 1m.

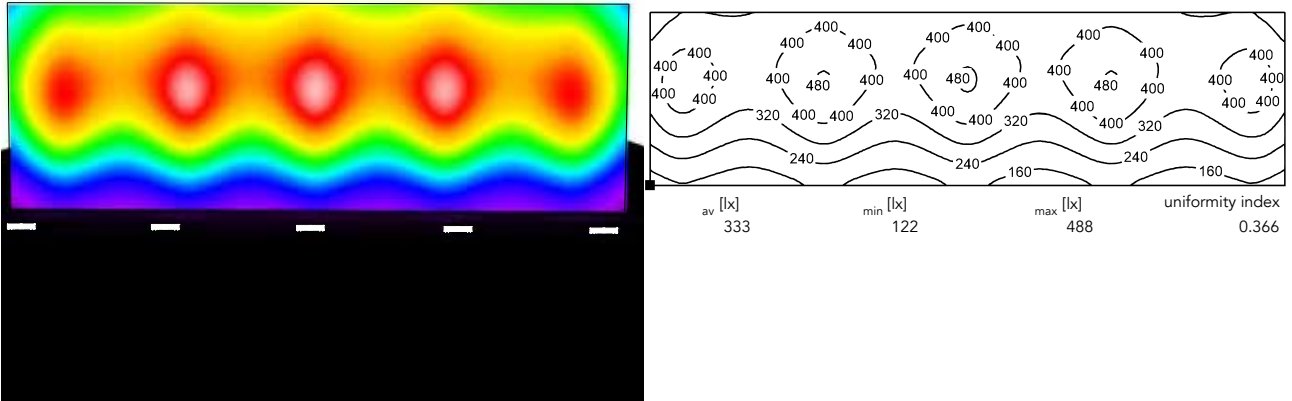


Best configuration: 12 pcs ECLCYC050 placed at the bottom with Fixture Spacing (FS) 0.5m.

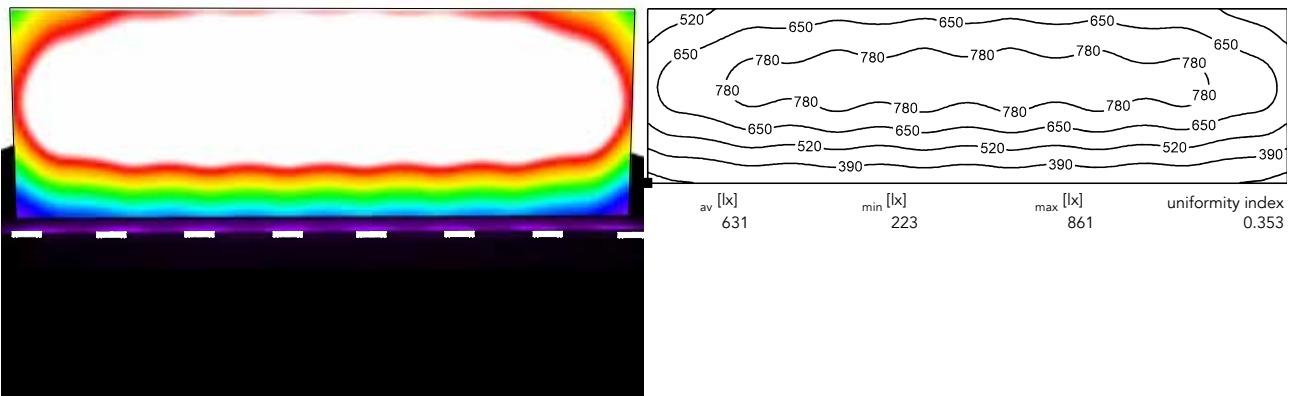


Case study 1: Wall 12m x 4m D = 2 m

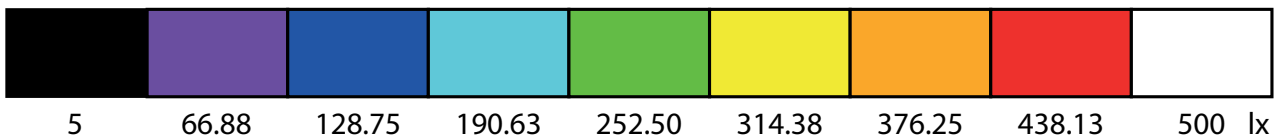
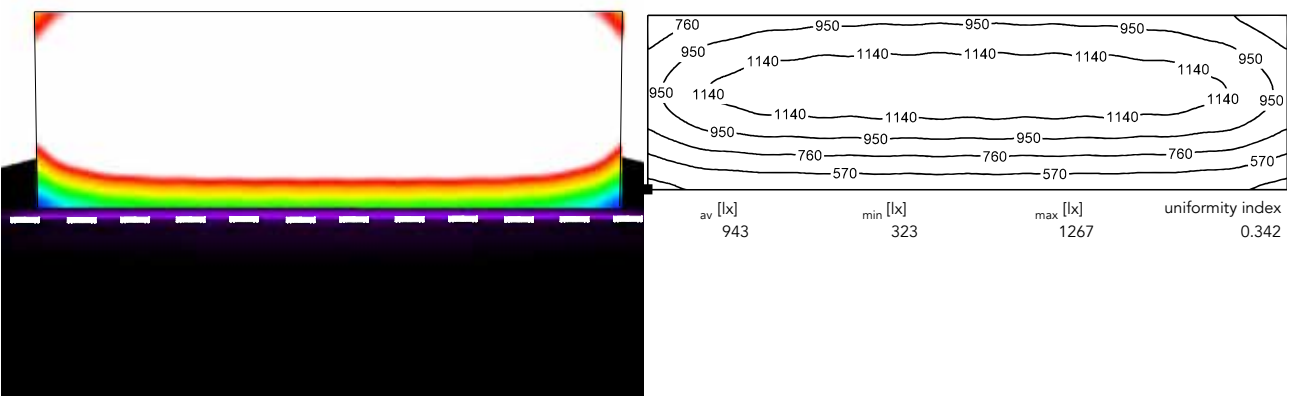
Minimum configuration: 5 pcs ECLCYC050 placed at the bottom with Fixture Spacing (FS) 2m.



Medium configuration: 8 pcs ECLCYC050 placed at the bottom with Fixture Spacing (FS) 1m.

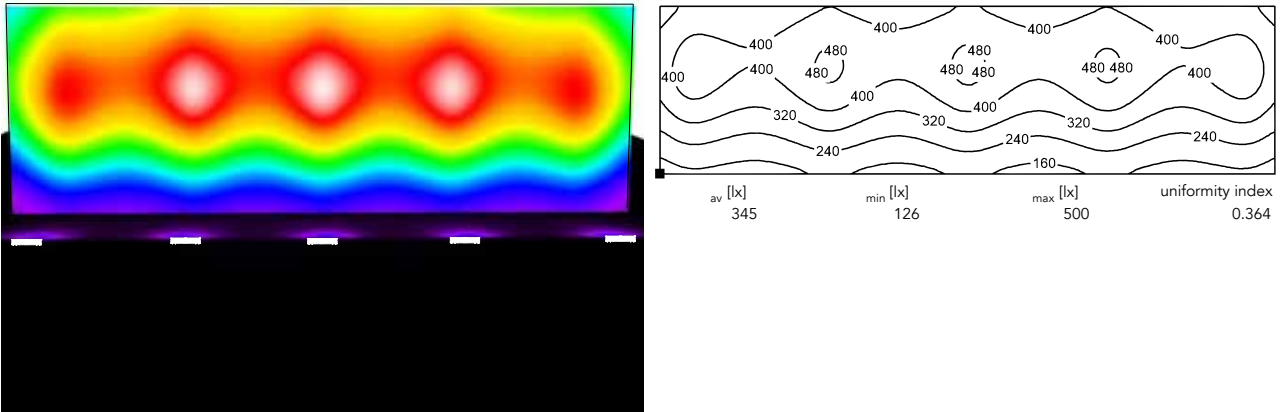


Best configuration: 12 pcs ECLCYC050 placed at the bottom with Fixture Spacing (FS) 0.5m.

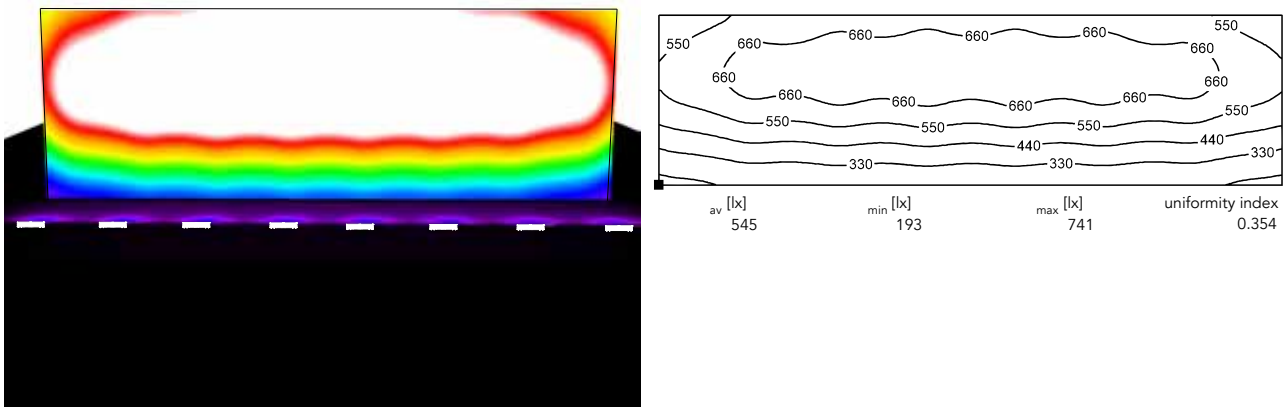


Case study 1: Wall 12m x 4m D = 2.5 m

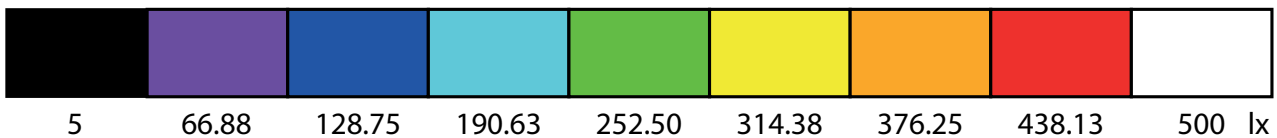
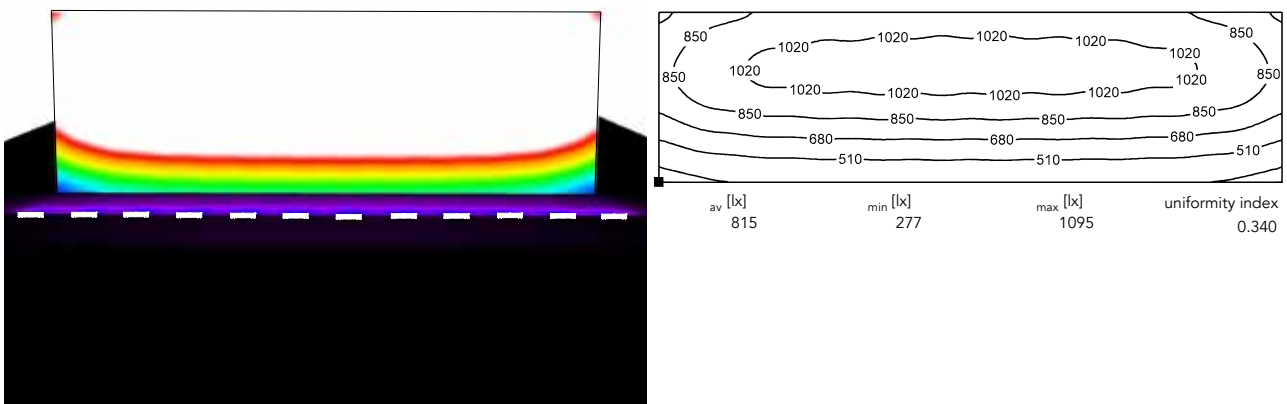
Minimum configuration: 5 pcs ECLCYC050 placed at the bottom with Fixture Spacing (FS) 2m.



Medium configuration: 8 pcs ECLCYC050 placed at the bottom with Fixture Spacing (FS) 1m.

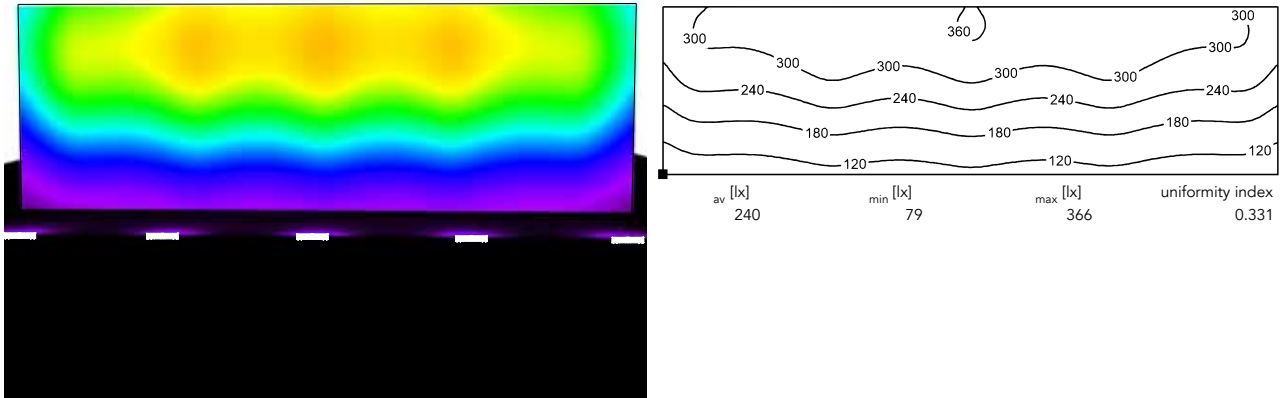


Best configuration: 12 pcs ECLCYC050 placed at the bottom with Fixture Spacing (FS) 0.5m.

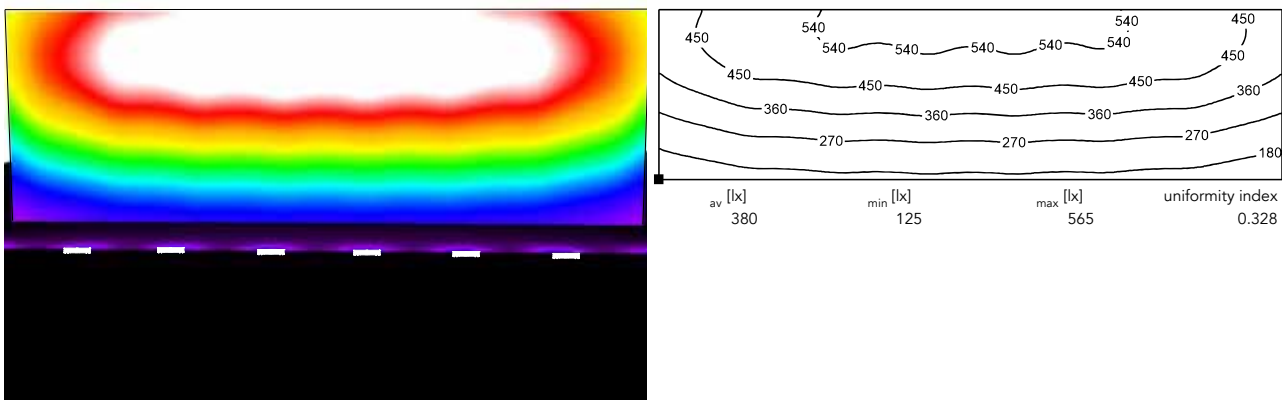


Case study 1: Wall 12m x 4m D = 3m

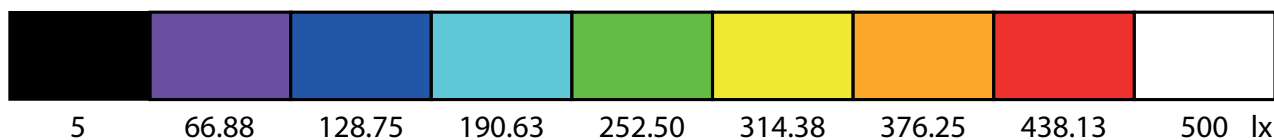
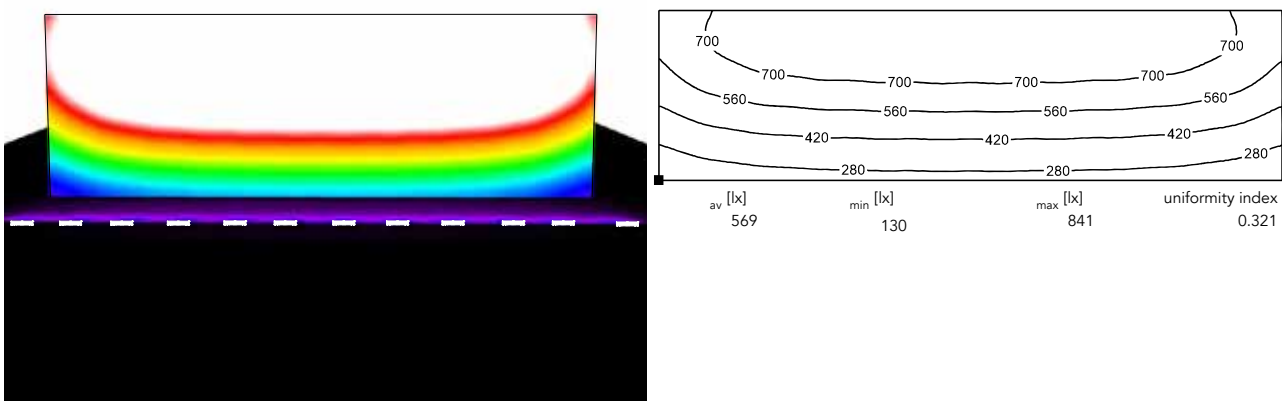
Minimum configuration: 5 pcs ECLCYC050 placed at the bottom with Fixture Spacing (FS) 2m.



Medium configuration: 6 pcs ECLCYC050 placed at the bottom with Fixture Spacing (FS) 1m.

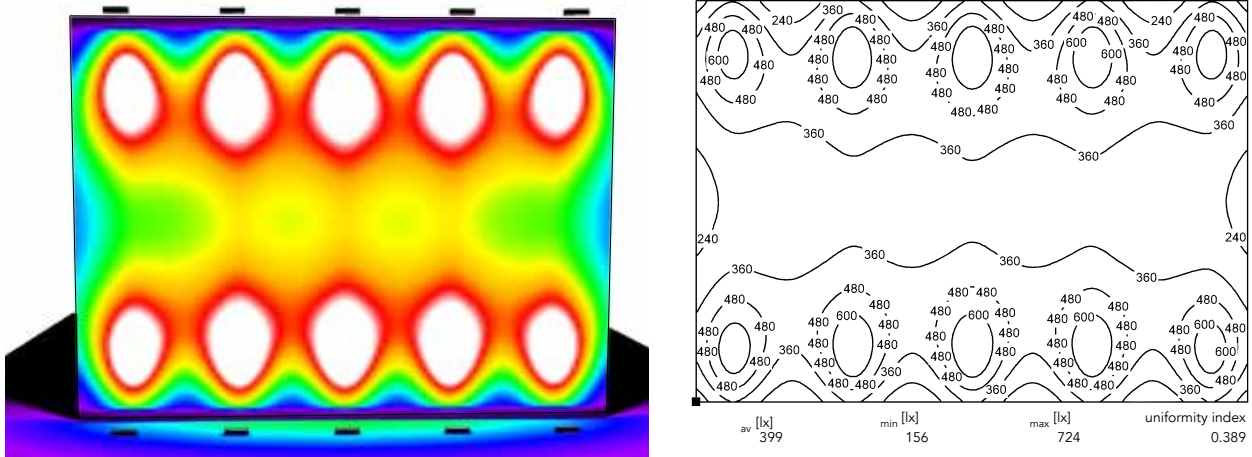


Best configuration: 12 pcs ECLCYC050 placed at the bottom with Fixture Spacing (FS) 0.5m.

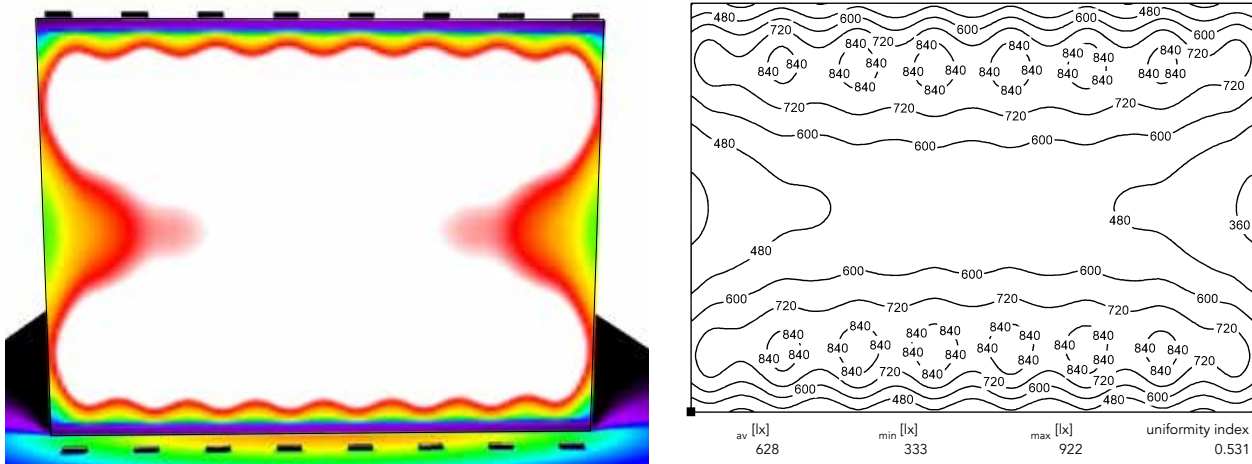


Case study 1: Wall 12m x 9m D = 1m

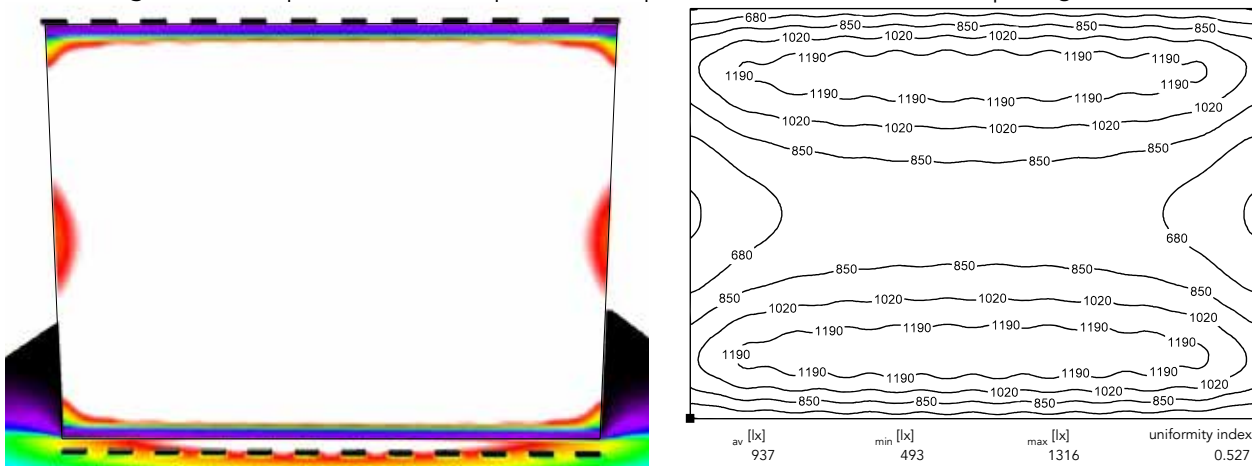
Minimum configuration: 10 pcs ECLCYC050 (placed 5 top + 5 bottom) with Fixture Spacing (FS) 2m.



Medium configuration: 16 pcs ECLCYC050 (placed 8 top + 8 bottom) with Fixture Spacing (FS) 1m.

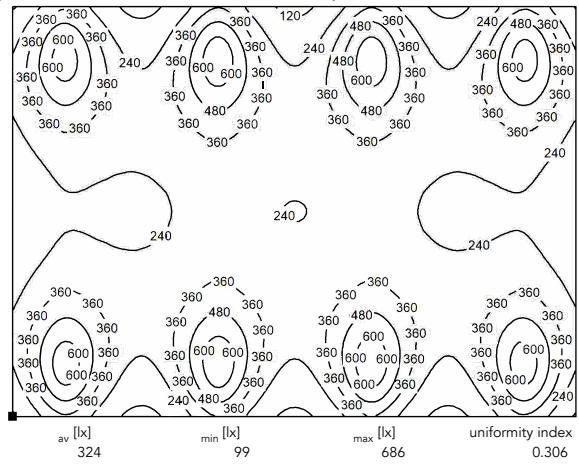
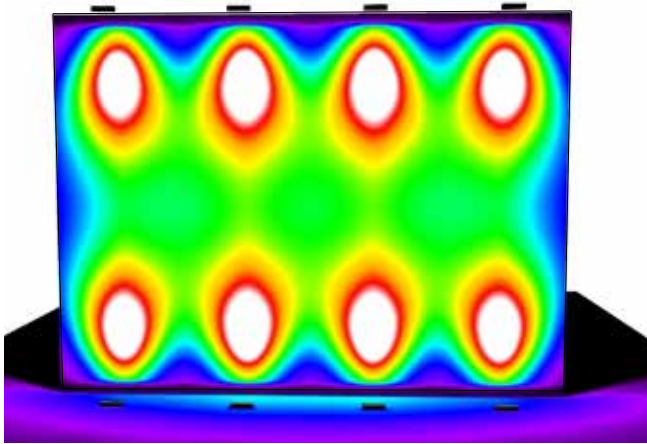


Best configuration: 24 pcs ECLCYC050 (placed 12 top + 12 bottom) with Fixture Spacing (FS) 0.5m.

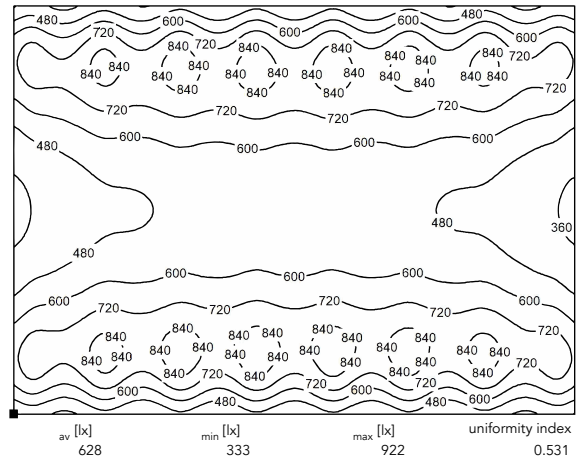
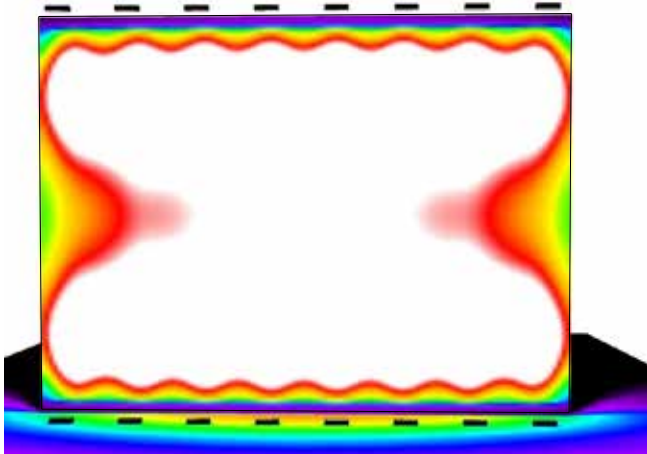


Case study 1: Wall 12m x 9m D = 1.5m

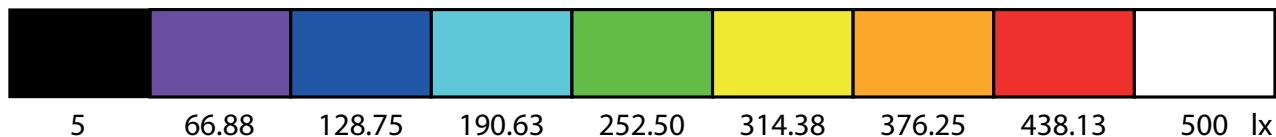
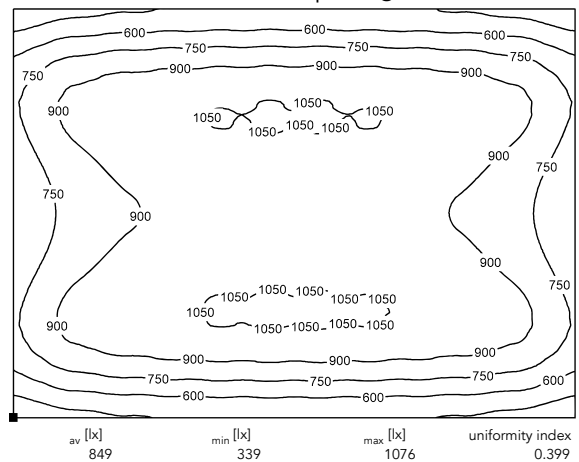
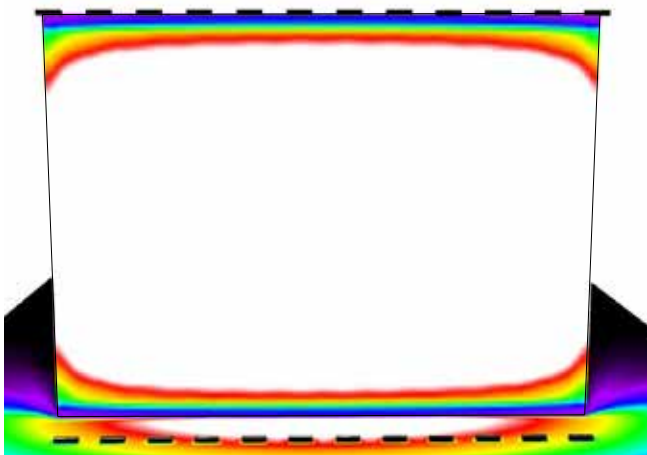
Minimum configuration: 8 pcs ECLCYC050 (placed 4 top + 4 bottom) with Fixture Spacing (FS) 2m



Medium configuration: 16 pcs ECLCYC050 (placed 8 top + 8 bottom) with Fixture Spacing (FS) 1m.

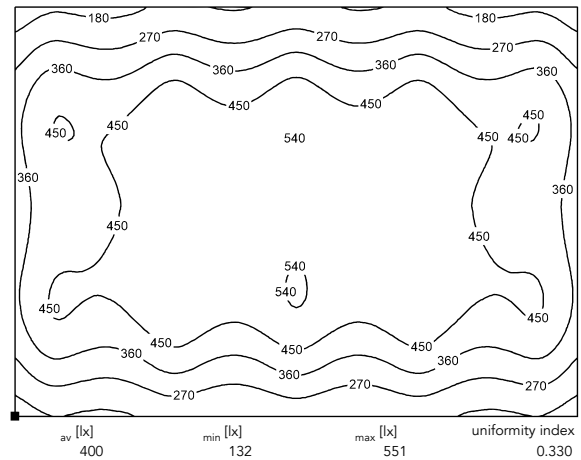
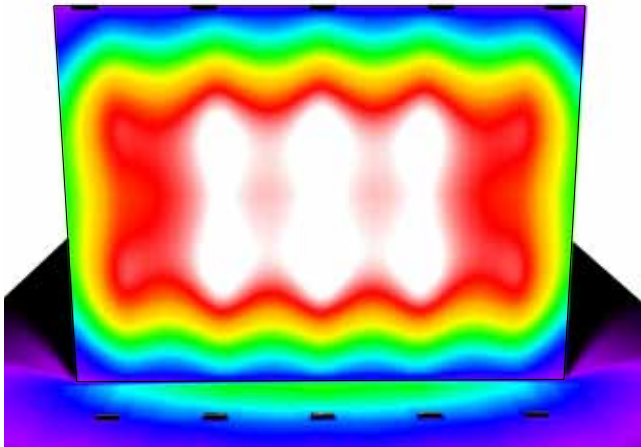


Best configuration: 24 pcs ECLCYC050 (placed 12 top + 12 bottom) with Fixture Spacing (FS) 0.5m.

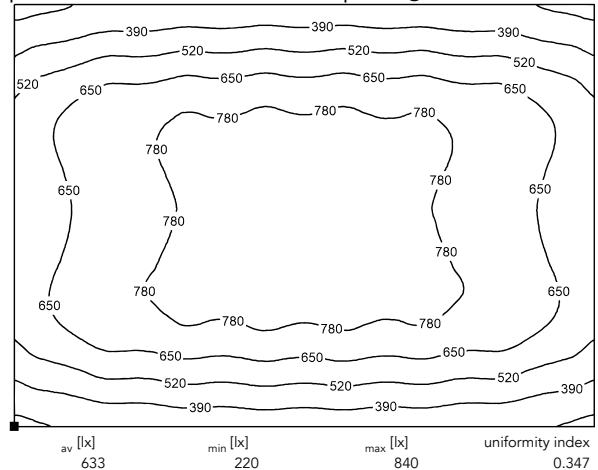
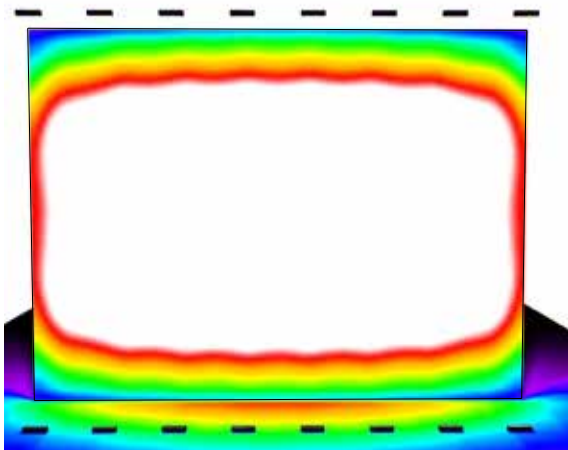


Case study 1: Wall 12m x 9m D = 2 m

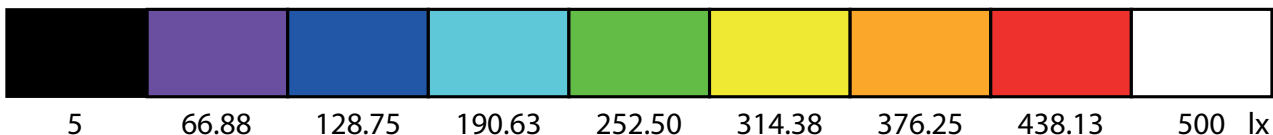
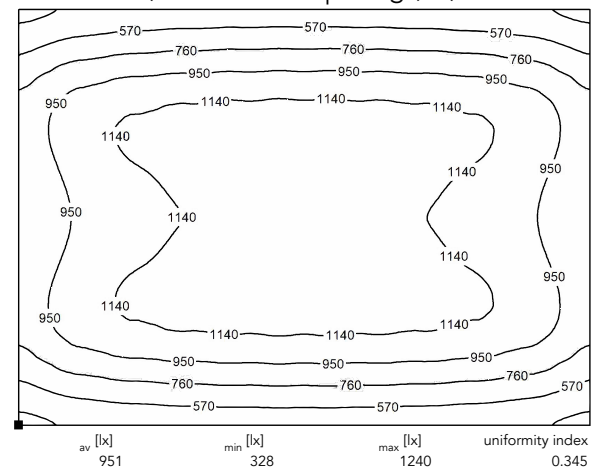
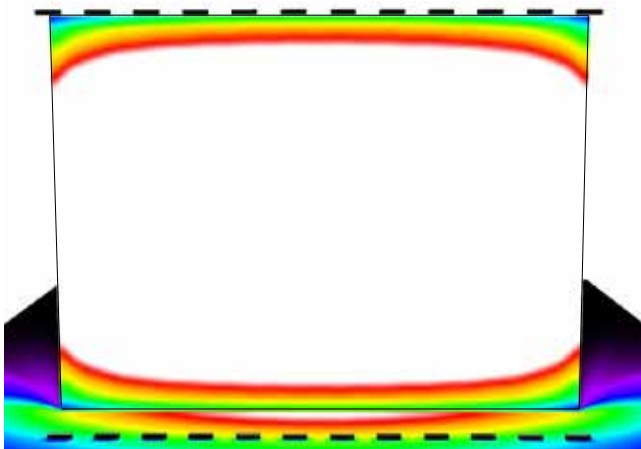
Minimum configuration: 5 pcs ECLCYC050 placed at the bottom with Fixture Spacing (FS) 2m.



Medium configuration: 16 pcs ECLCYC050 (placed 8 top + 8 bottom) with Fixture Spacing (FS) 1m.

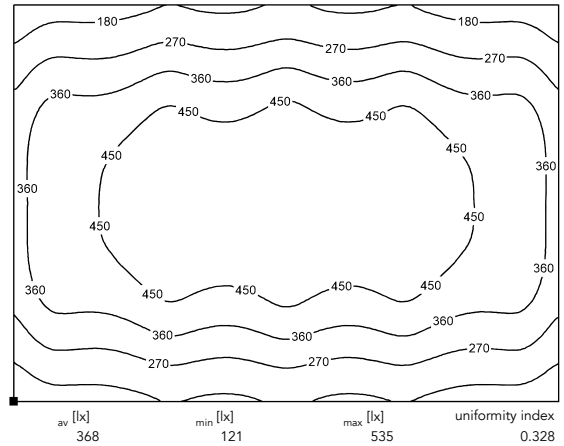
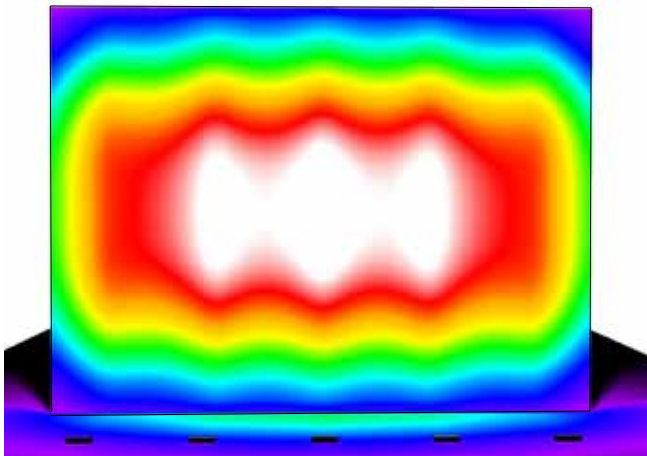


Best configuration: 24 pcs ECLCYC050 (placed 12 top + 12 bottom) with Fixture Spacing (FS) 0.5m.

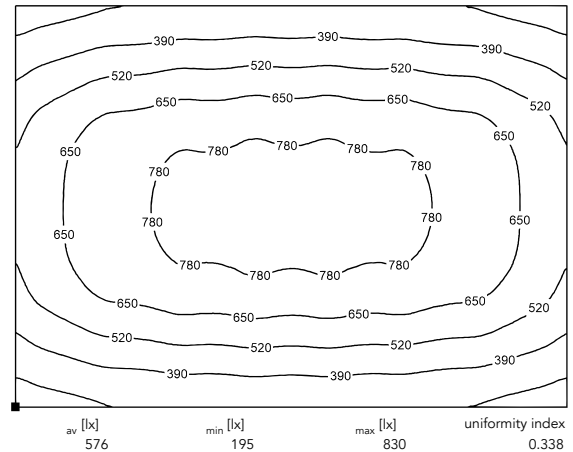
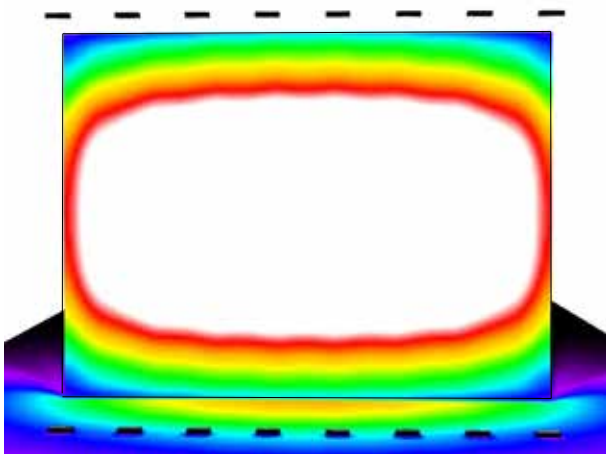


Case study 1: Wall 12m x 9m D = 2.5 m

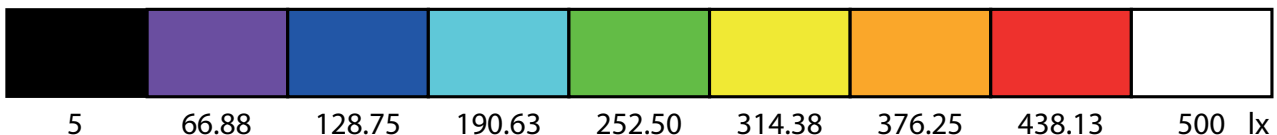
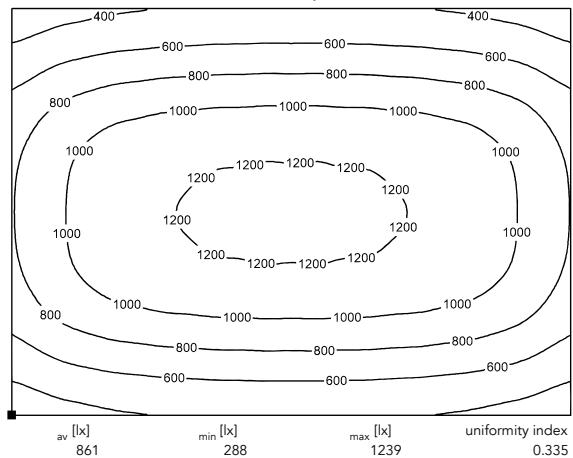
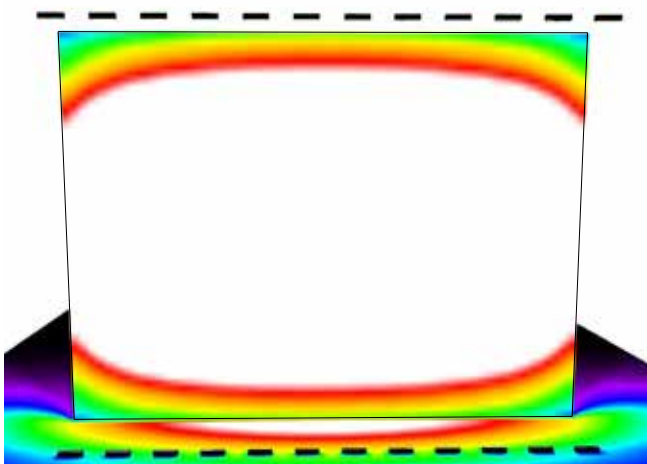
Minimum configuration: 5 pcs ECLCYC050 placed at the bottom with Fixture Spacing (FS) 2m.



Medium configuration: 16 pcs ECLCYC050 (placed 8 top + 8 bottom) with Fixture Spacing (FS) 1m.

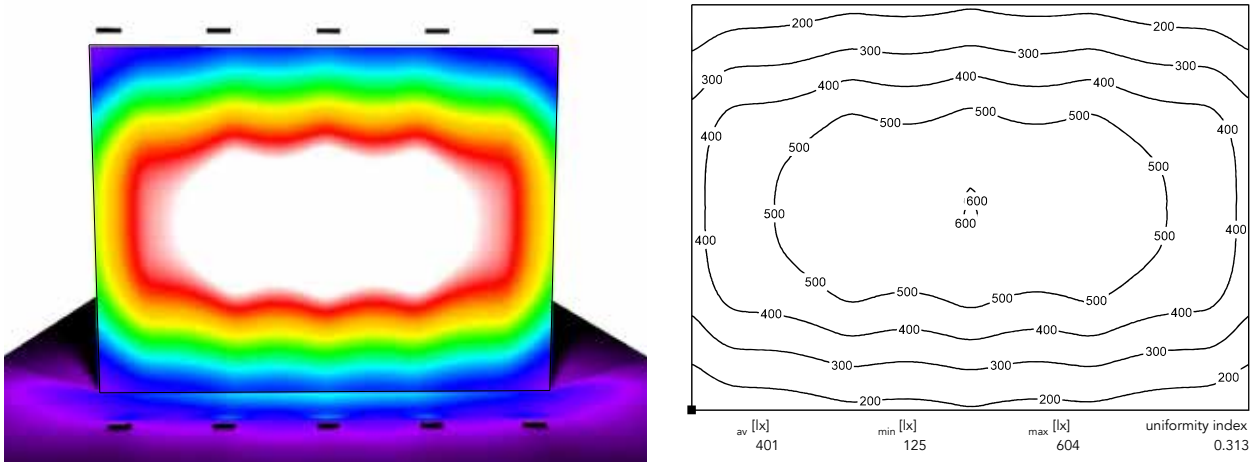


Best configuration: 24 pcs ECLCYC050 (placed 12 top + 12 bottom) with Fixture Spacing (FS) 0.5m.

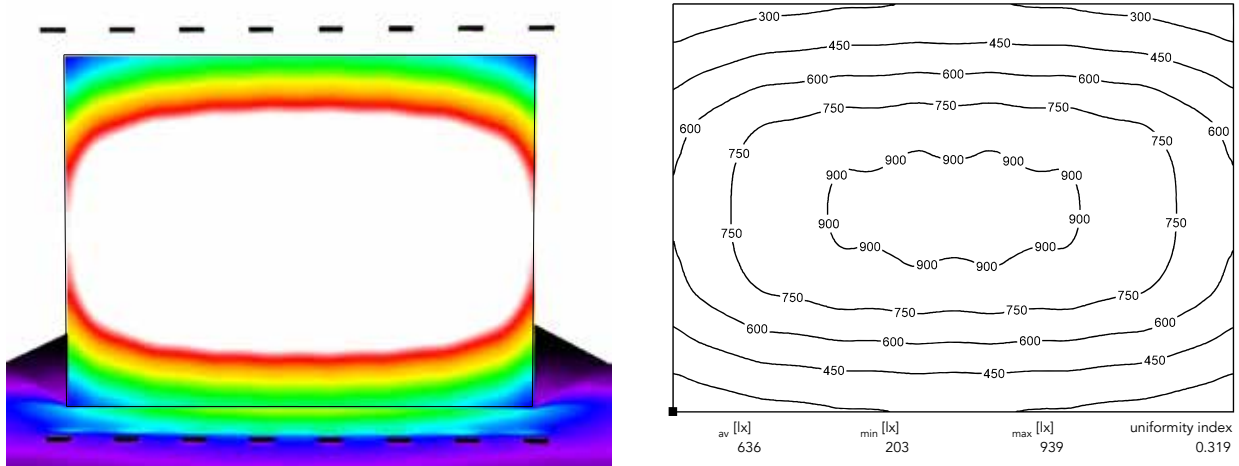


Case study 1: Wall 12m x 9m D = 3m

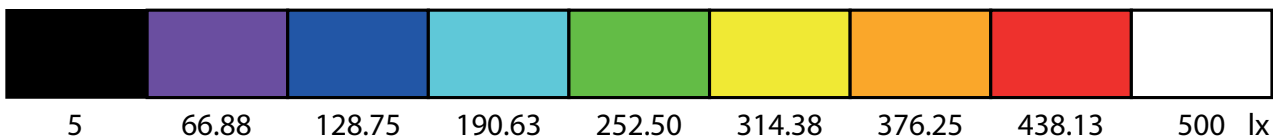
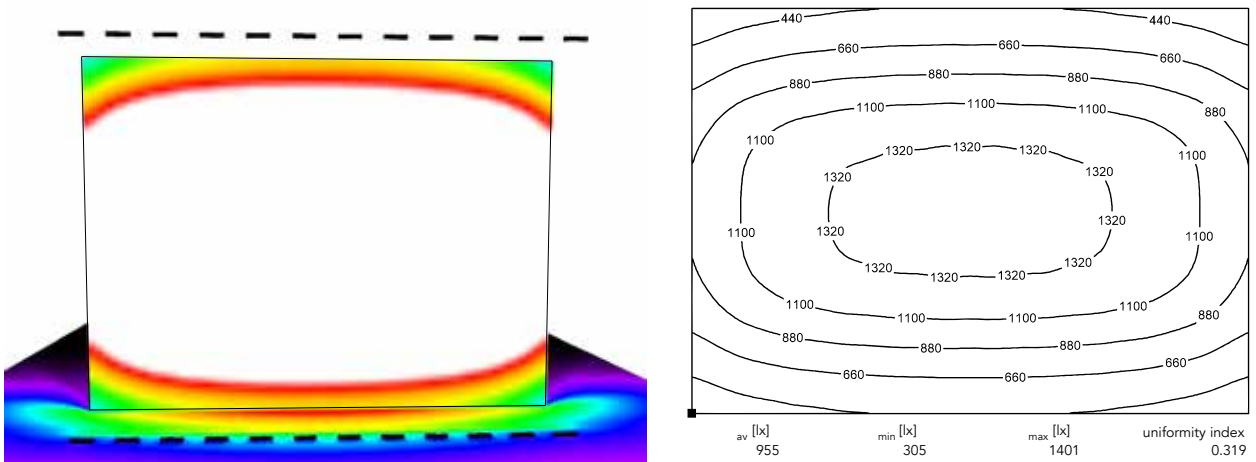
Minimum configuration: 10 pcs ECLCYC050 (placed 5 top + 5 bottom) with Fixture Spacing (FS) 2m.



Medium configuration: 16 pcs ECLCYC050 (placed 8 top + 8 bottom) with Fixture Spacing (FS) 1m.

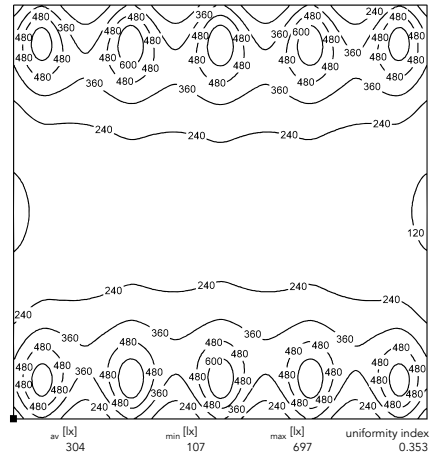
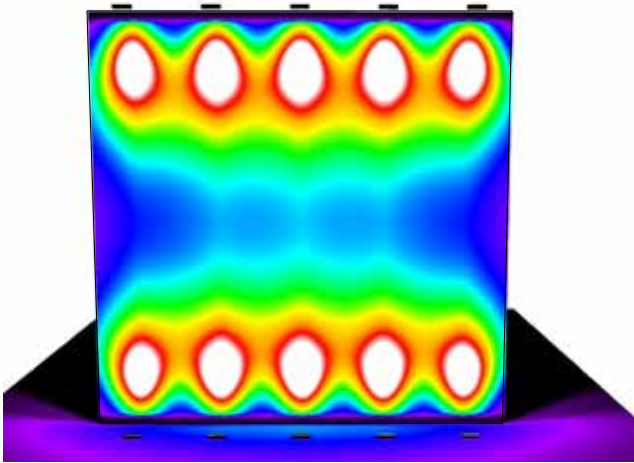


Best configuration: 24 pcs ECLCYC050 (placed 12 top + 12 bottom) with Fixture Spacing (FS) 0.5m.

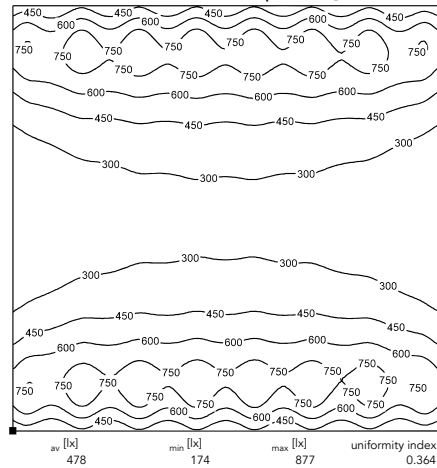
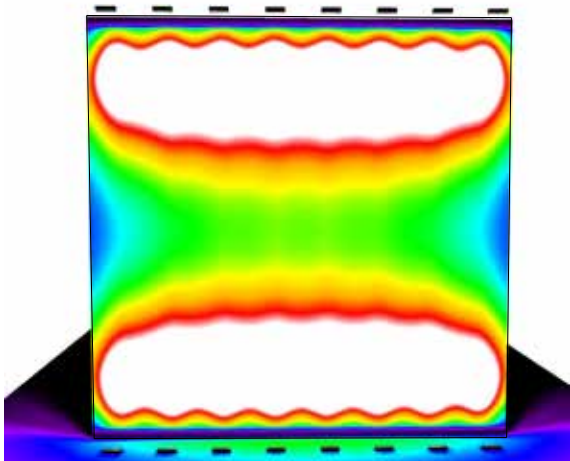


Case study 1: Wall 12m x 12m D = 1m

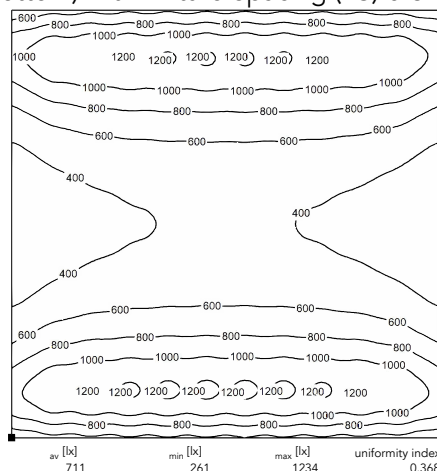
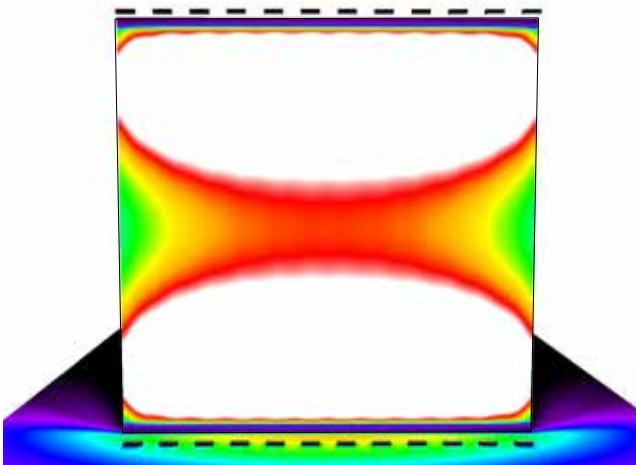
Minimum configuration: 10 pcs ECLCYC050 (placed 5 top + 5 bottom) with Fixture Spacing (FS) 2m.



Medium configuration: 16 pcs ECLCYC050 (placed 8 top + 8 bottom) with Fixture Spacing (FS) 1m.



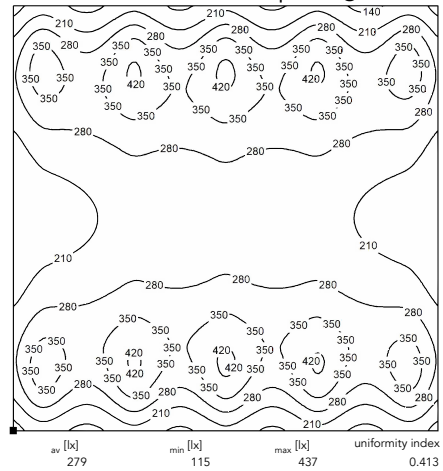
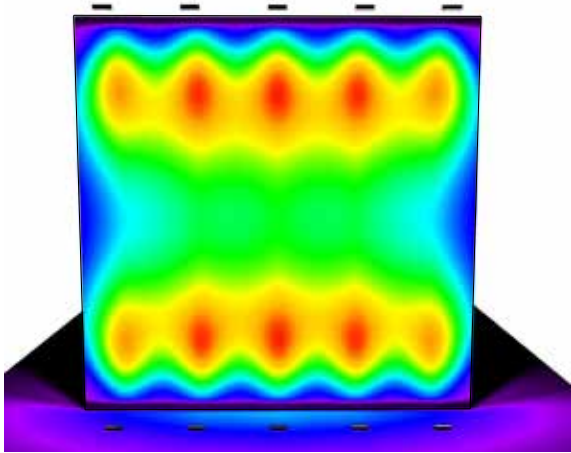
Best configuration: 24 pcs ECLCYC050 (placed 12 top + 12 bottom) with Fixture Spacing (FS) 0.5m.



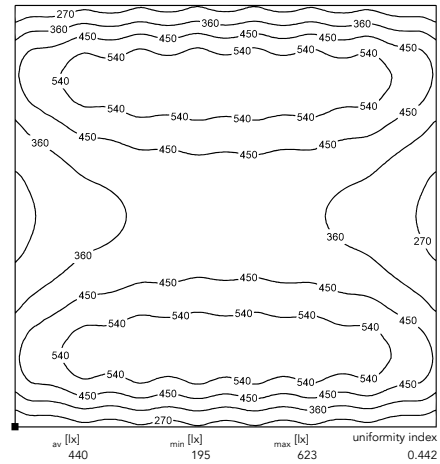
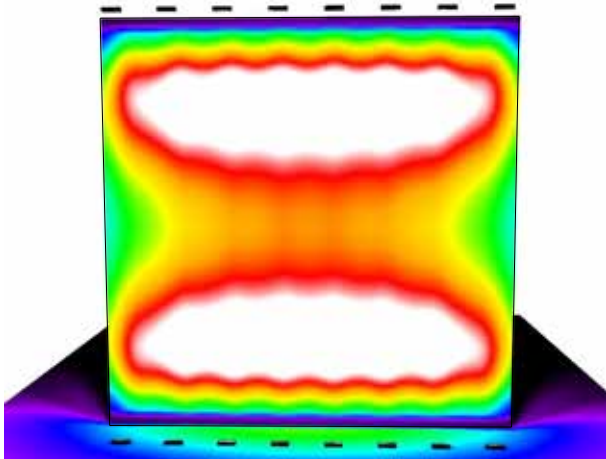
5 66.88 128.75 190.63 252.50 314.38 376.25 438.13 500 lx

Case study 1: Wall 12m x 12m D = 1.5m

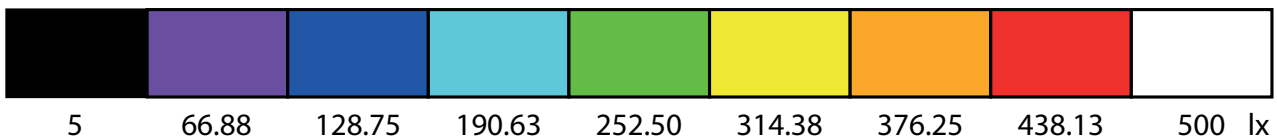
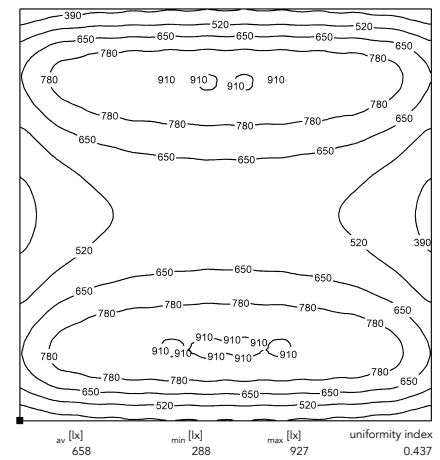
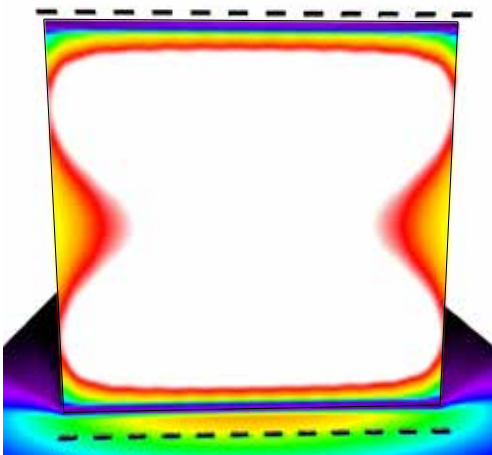
Minimum configuration: 10 pcs ECLCYC050 (placed 5 top + 5 bottom) with Fixture Spacing (FS) 2m.



Medium configuration: 16 pcs ECLCYC050 (placed 8 top + 8 bottom) with Fixture Spacing (FS) 1m.

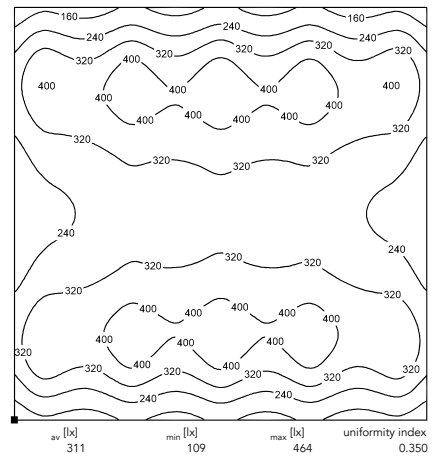
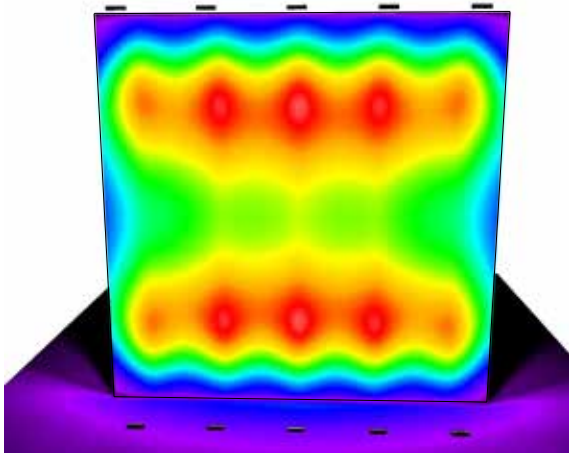


Best configuration: 24 pcs ECLCYC050 (placed 12 top + 12 bottom) with Fixture Spacing (FS) 0.5m.

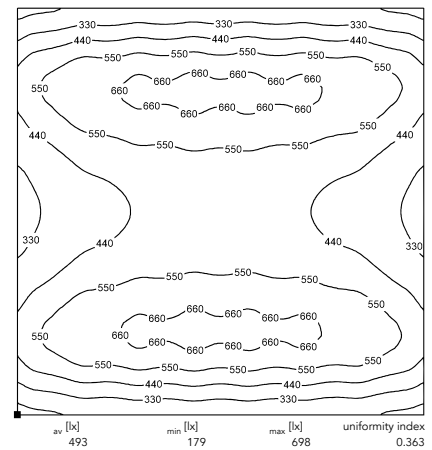
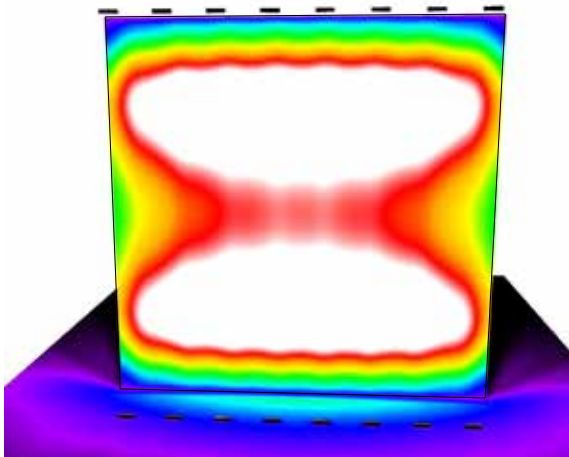


Case study 1: Wall 12m x 12m D = 2 m

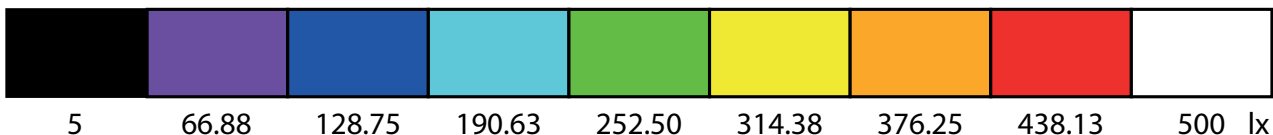
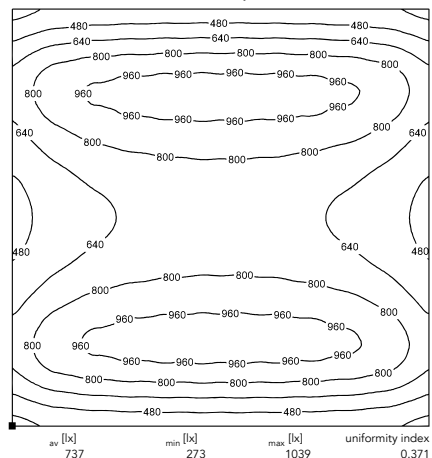
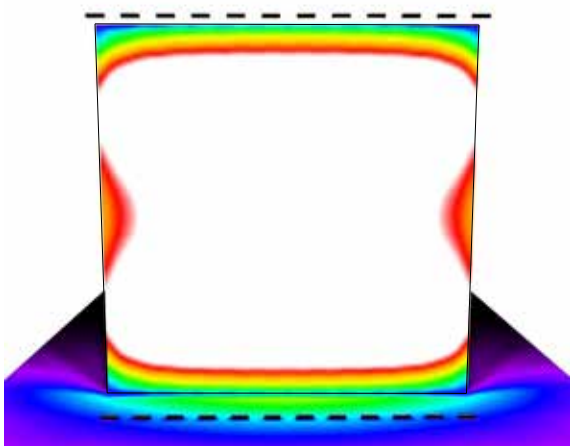
Minimum configuration: 10 pcs ECLCYC050 (placed 5 top + 5 bottom) with Fixture Spacing (FS) 2m.



Medium configuration: 16 pcs ECLCYC050 (placed 8 top + 8 bottom) with Fixture Spacing (FS) 1m.

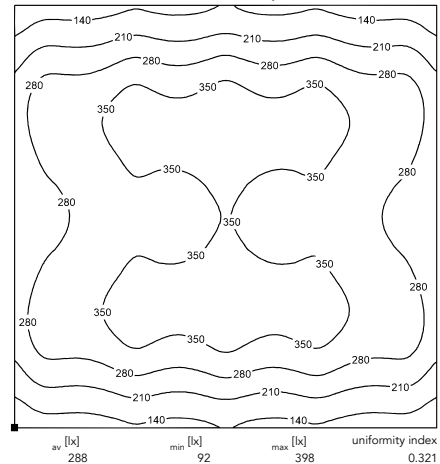
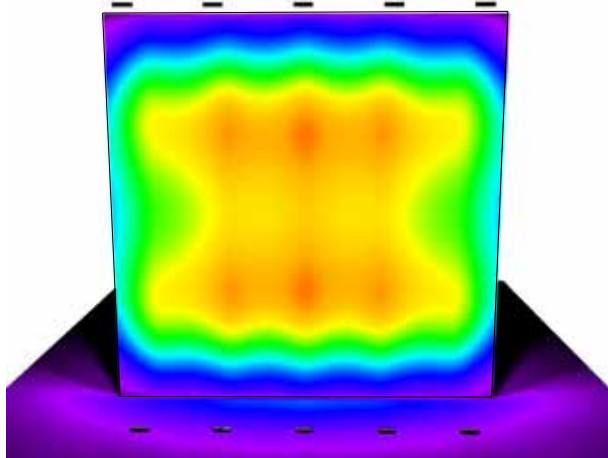


Best configuration: 24 pcs ECLCYC050 (placed 12 top + 12 bottom) with Fixture Spacing (FS) 0.5m.

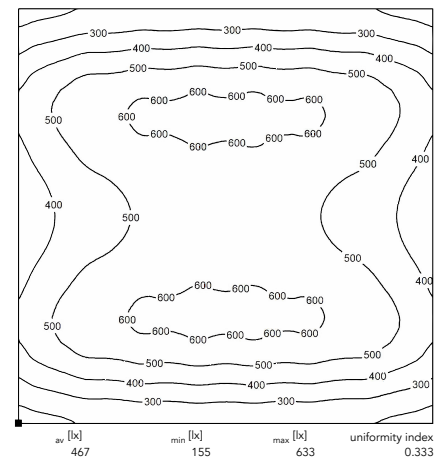
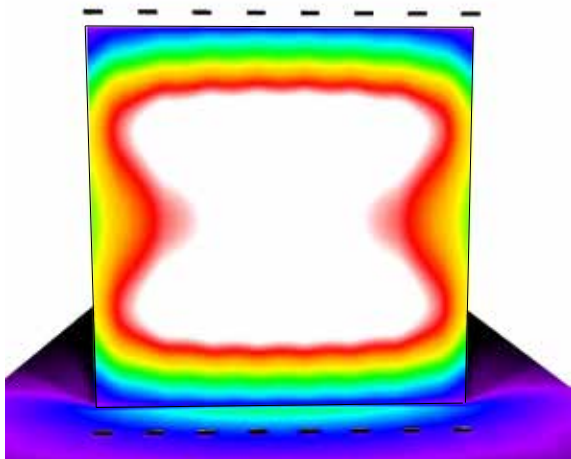


Case study 1: Wall 12m x 12m D = 2.5 m

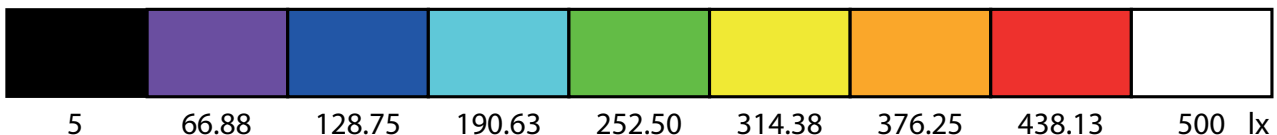
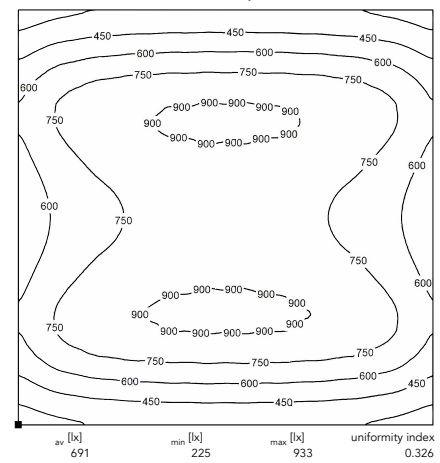
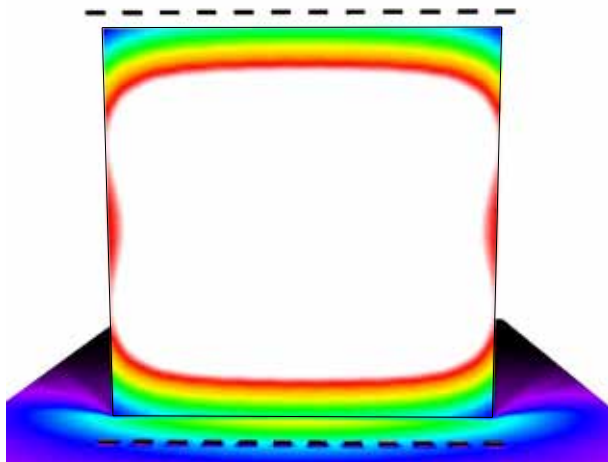
Minimum configuration: 10 pcs ECLCYC050 (placed 5 top + 5 bottom) with Fixture Spacing (FS) 2m.



Medium configuration: 16 pcs ECLCYC050 (placed 8 top + 8 bottom) with Fixture Spacing (FS) 1m.

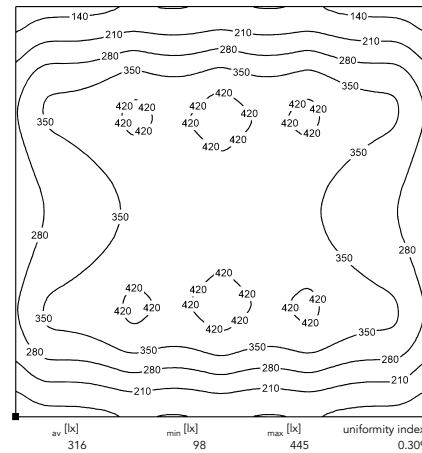
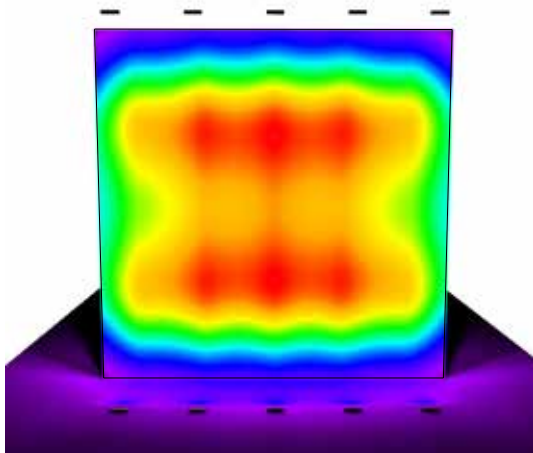


Best configuration: 24 pcs ECLCYC050 (placed 12 top + 12 bottom) with Fixture Spacing (FS) 0.5m.

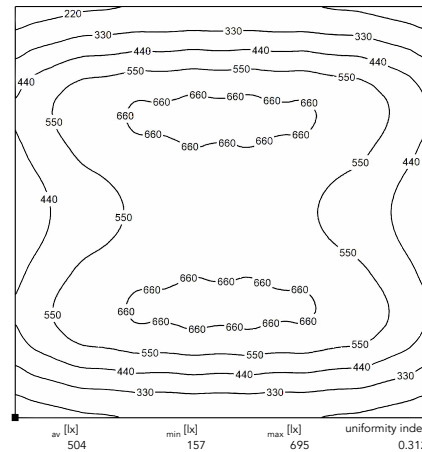
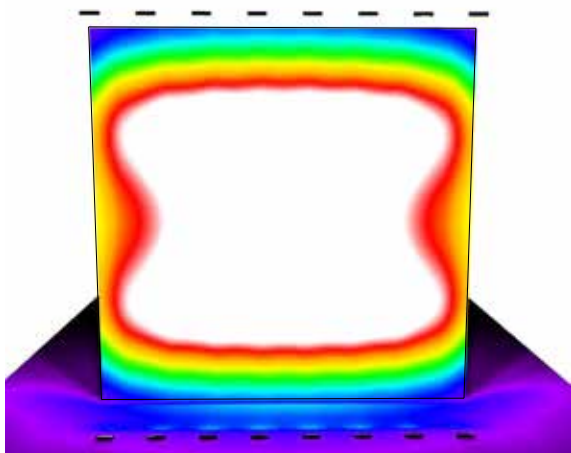


Case study 1: Wall 12m x 12m D = 3m

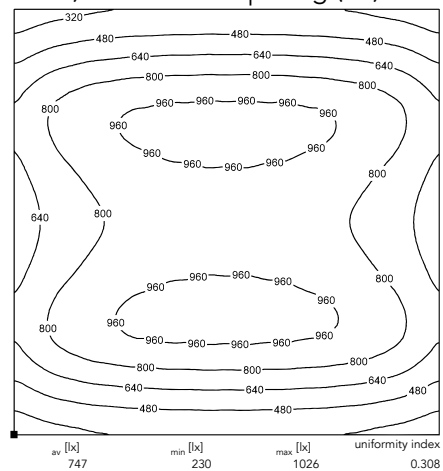
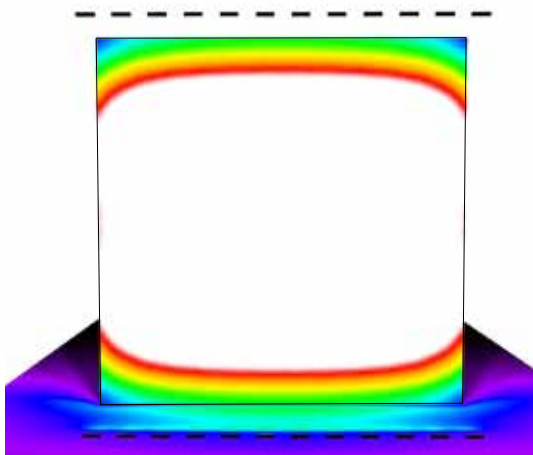
Minimum configuration: 10 pcs ECLCYC050 (placed 5 top + 5 bottom) with Fixture Spacing (FS) 2m.



Medium configuration: 16 pcs ECLCYC050 (placed 8 top + 8 bottom) with Fixture Spacing (FS) 1m.



Best configuration: 24 pcs ECLCYC050 (placed 12 top + 12 bottom) with Fixture Spacing (FS) 0.5m.



5 66.88 128.75 190.63 252.50 314.38 376.25 438.13 500 lx

