

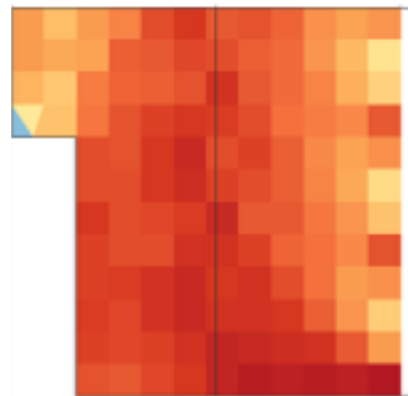
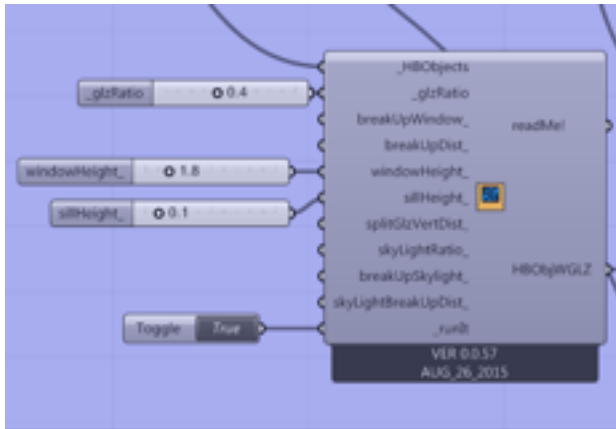
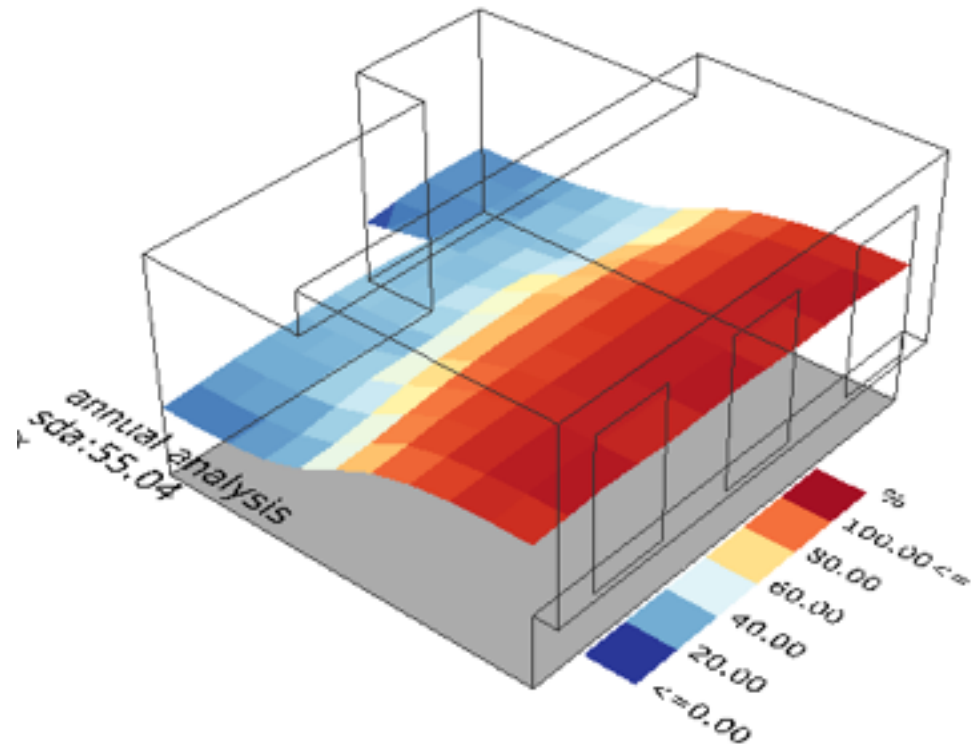
1) Daylighting

The first step is defining baseline glazing conditions to provide enough daylighting to the space.

Without shading, glazing conditions are

- ▶ 40% of glazing
- ▶ sill height 100 cm
- ▶ window height 180 cm

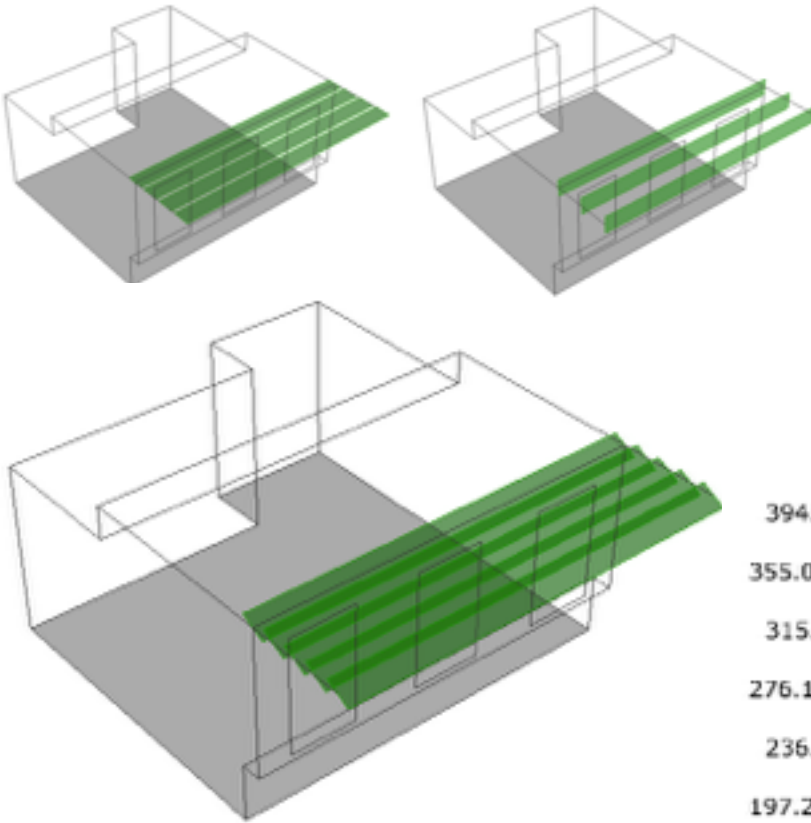
The annual daylight autonomy of the indoor space is 55.04



Annual Analysis UDLI 100-2000 Lux

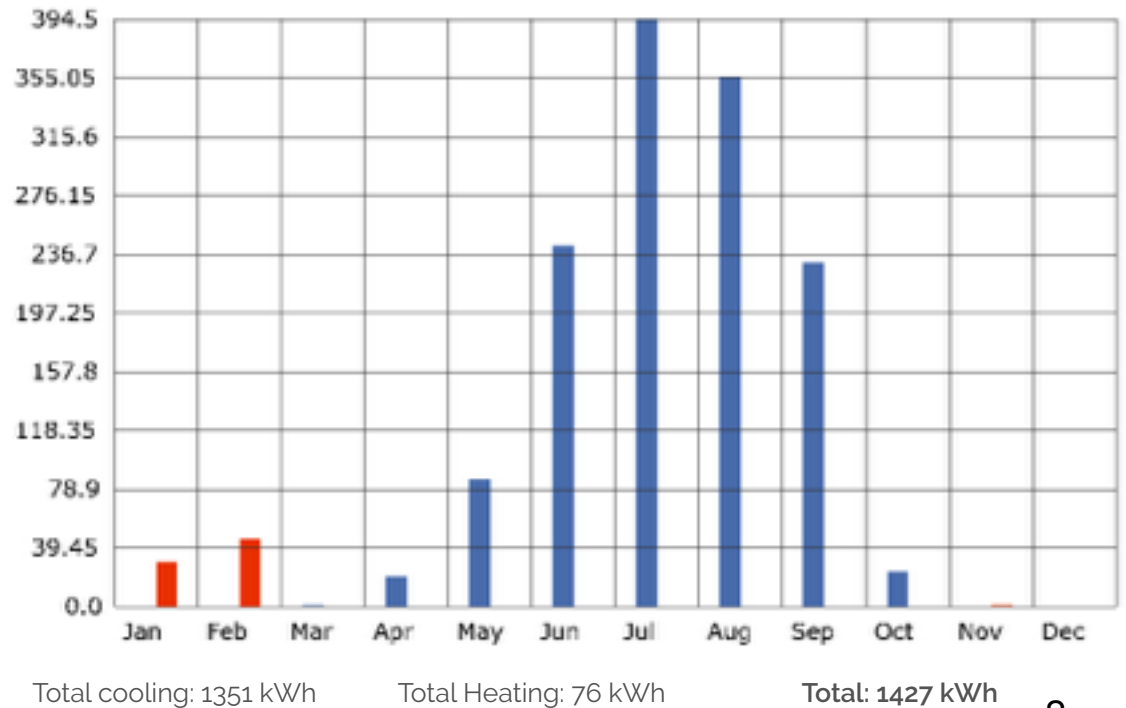
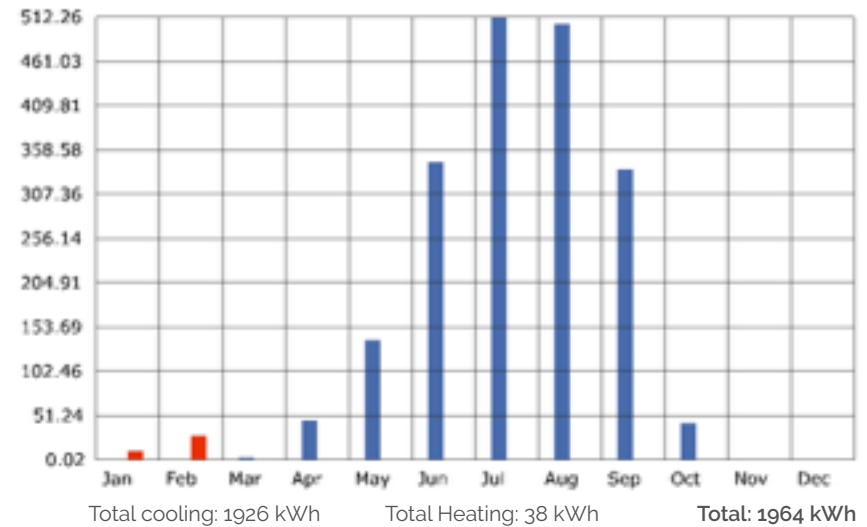


Annual Analysis UDLI > 2000 Lux



2) Parametric Louvers and Energy Simulation

The designed GH definition allows to manage the settings of the shading devices (number of fins, angle, width) to find the best shading performance obtaining immediate energy simulation results.

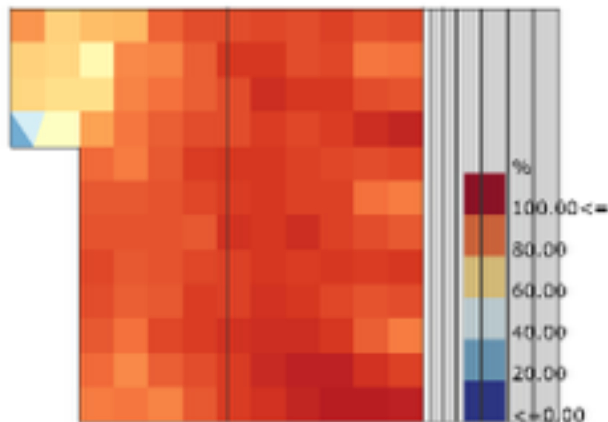


3) Radiation Analysis

For testing purposes, I run the radiation analysis on the shaded facade to verify which parts of the windows are most affected by the designed shading device and its actual effectiveness.

4) Daylighting Check

As last step, I double checked the daylighting of the space after the addition of the shading device.



annual analysis
sda:41.09

