



Warnings

No warnings.

Simulation Tips

Daysim generates a schedule file, that can be linked to a thermal simulation program. To open file click the link below

C:\DIVA
 \temp\Rhino30WWR-
 KL\Rhino30WWR-
 KL_intgain.csv

Daysim Simulation Report

Daylit Area (DA _{300lux} [50%])	69% of floor area
Mean Daylight Factor	4.1%
Occupancy	3393 hours per year

Daylight Factor (DF) Analysis: 55% of all illuminance sensors have a daylight factor of 2% or higher. Assuming that the sensors are evenly distributed across 'all spaces occupied for critical visual tasks', the investigated lighting zone does **not** qualify for LEED-NC 2.1 daylighting credit 8.1.

Daylight Autonomy (DA) Analysis: The mean daylight autonomy is 61% for active occupant behavior. The percentage of the space with a daylight autonomy larger than 50% is 69% for active occupant behavior.

Continuous Daylight Autonomy (DA) Analysis: The mean continuous daylight autonomy is 75% for active occupant behavior. The percentage of sensors with a DA_MAX > 5% is 48% for active occupant behavior.

Useful Daylight Illuminance (UDI): The percentage of the space with a UDI_{<100-2000lux} larger than 50% is 83% for active occupant behavior.

Electric Lighting Use: The predicted annual electric lighting energy use is:

- Lighting Group 1 (occ_dimming): 1011.7 kWh
- Lighting Group 2 (occ_dimming): 812.1 kWh

Simulation Assumptions

Site Description:

The investigated building is located in SANTIAGO_CHL (33.38 S/ 70.78 E).

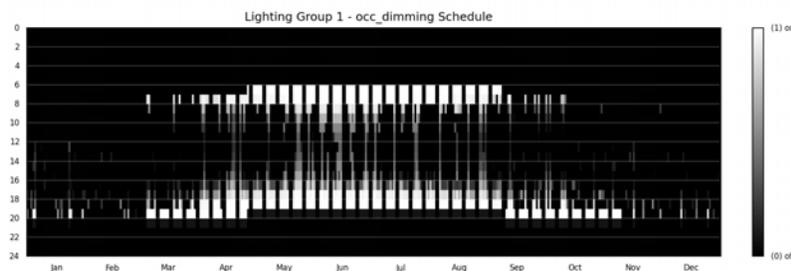
User Description:

The total annual hours of occupancy at the work place are 3393.

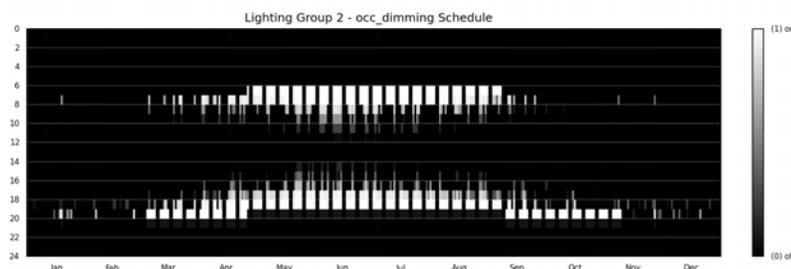


Lighting Control:

- Lighting Group 1 (occ_dimming): The system has an installed electric lighting power of 1245.0W. It is manually controlled with an on/off switch combined with a switch off occupancy sensor with a delay time of 5 minutes. The occupancy sensor only switches the lighting off (not on!). The dimming system has an ideally commissioned photocell control with a ballast loss factor of 0.00 percent. The lighting system has a total standby power of 0.00W.



- Lighting Group 2 (occ_dimming): The system has an installed electric lighting power of 1245.0W. It is manually controlled with an on/off switch combined with a switch off occupancy sensor with a delay time of 5 minutes. The occupancy sensor only switches the lighting off (not on!). The dimming system has an ideally commissioned photocell control with a ballast loss factor of 0.00 percent. The lighting system has a total standby power of 0.00W.



ShadingControl:

There is no dynamic shading system in the scene.