DIVA

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\2N_V1_P1_I\2N_V1_P1_I_intgain.csv

Daysim Simulation Report

Daylit Area ($DA_{3000lux}[50\%]$)	32% of floor area
Mean Daylight Factor	7.9%
Occupancy	3650 hours per year
Glare	12.1% of occupied hours

Daylight Factor (DF) Analysis: 96% 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 should qualify for the LEED-NC 2.1 daylighting credit 8.1 (see www.usgbc.org/LEED/).

Daylight Autonomy (DA) Analysis: The mean daylight autonomy is 27% for active occupant behavior. The percentage of the space with a daylight autonomy larger than 50% is 32% for active occupant behavior.

Continuous Daylight Autonomy (DA) Analysis: The mean continuous daylight autonomy is 56% for active occupant behavior. The percentage of sensors with a DA_MAX > 5% is 10% for active occupant behavior

Useful Daylight Illuminance (UDI): The percentage of the space with a $UDI_{<100\text{-}2000lux}$ larger than 50% is 56% for active occupant behavior.

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

- Lighting Group 1 (occupancy_on_off): 6315.4 kWh

Simulation Assumptions

Site Description:

The investigated building is located in S□o (23.85 S/ 46.64 E).

User Description:

The total annual hours of occupancy at the work place are 3650.