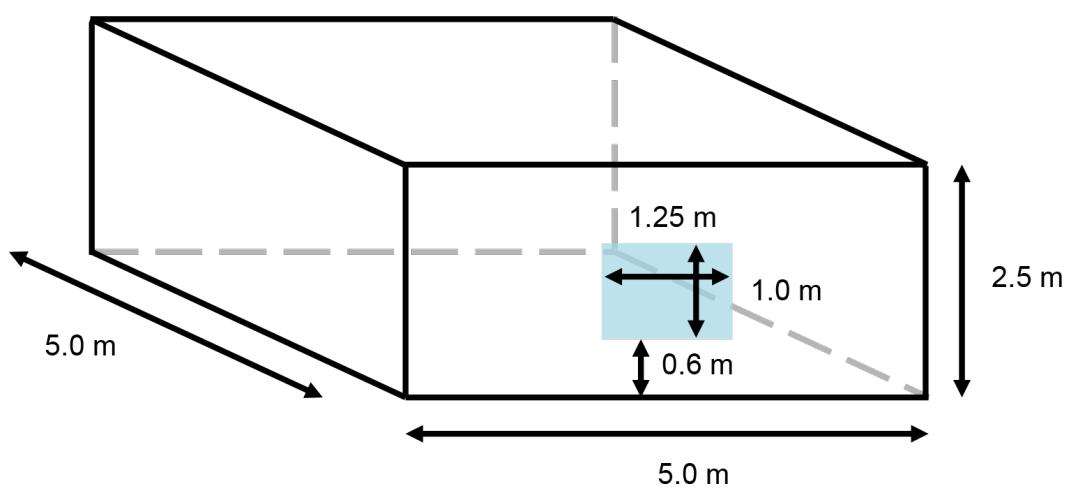


DAYLIGHT FACTOR

Task 1 – Window: luminaire of daylight

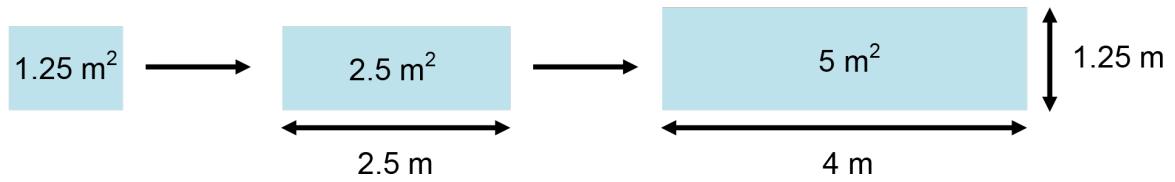
Window is the most common element where daylight enters the building. This task covers the main parameters of a window that influence the amount of daylight penetrating through it. Light from a sunny sky (mainly direct) and an overcast sky (mainly diffused) penetrates window differently. The method introduced here is applicable for the overcast sky, where less light is available, and it relies more on the design to lit the room with daylight.

Input the following room and window dimensions as the base case design, and note down the associated daylight factor (use screenshot to save the result),



then observe and note down the changed daylight factor as you enlarge the window, following the steps:

Enlarge window



Glazing is not purely transparent and the light a window allows to penetrate drops as the number of glazing layers increase.

With the enlarged window (5m^2), change the light transmittance as follows and see how daylight factor varies.

