# Green Star Short ReportRound [1/2]

Ensure all prompts shown in Blue text have been responded to.

Green Star – Office Design v3

Credit: IEQ-4 Daylight

Project Name: [name]

Project Number: GS-[####]

Points available: 3 Points claimed: [1, 2, or 3]

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### 1. Building Modelling

### ****1.1 Methodology****

### 1.1(i) Modelling Methodology

[Describe the modelling software or methodology used to calculate DF or DI]

[Outline the modelling parameters used to model the building such as grid heights, reflectance values used and transmittance values for all materials/glazing].

### 1.1(ii) Alternative Assessment [p70 of Technical Manual]

[Outline compliance with alternative assessment methodology]

### ****1.2 Building Factors****

### **1.2(i) Building Form**

[Describe the means of daylight entry into the building and how the building form facilitates entry of light into Class 5 NLA spaces]

[Include views of the 3D model to demonstrate representation of the building form in the model. Include views of all facades of the building]

### **1.2(ii) Glazing**

[Describe glazing and daylight transmitting material types present in the building]

Table : Glazing and transparent elements

|  |  |  |
| --- | --- | --- |
| Building Element | Surface Type | VLT(%) |
| Glazing 1 | Glass | <VLT> |
| < other transparent surfaces > | < type > | < VLT or '-' > |

###

### **1.2(iii) Surface Reflectance and Transmittance**

Table : Opaque elements

|  |  |  |  |
| --- | --- | --- | --- |
| Building Element | Surface Type | Colour | Reflectance  |
| Floor | < floor type > | n/a | **0.3** |
| Walls | Paint | n/a | **0.7** |
| Ceilings | Paint | n/a | **0.8** |
| < other opaque surfaces > | < type > | <colour> | < reflectance > |

*Add rows as needed*

### **1.2(iv) Special circumstances**

[Describe any unusual aspects of the building]

### **1.2(v) Drawings Used to Build Model**

Table : List of drawings (including issue dates) used to create the daylight model

|  |  |  |  |
| --- | --- | --- | --- |
| Drawing type | Issue | Date of issue | Drawing code/name |
| < floor plan > |  |  |  |
| < elevation > |  |  |  |
| < facade details > |  |  |  |

*Add rows as needed*

### 1.3 External Factors

### **1.3(i) Overshadowing**

[Describe any overshadowing, please refer to Page 70 of the Technical Manual. Describe how this has been accounted for. Provide views that show the surrounding buildings/structures that overshadow ]

**1.3 (ii) External Reflectance Values**

[Describe the external reflectance values used to undertake the daylight simulation]

### 1.3(ii) Uniform Sky [For daylight factor simulations only]

[Describe the sky type used to run the model]

### 1.3(iii) Daylight Illuminance [For daylight illuminance simulations only]

[Describe the annual simulation]

### 2. Daylight Modelling Outputs

### 2.1 Legible Floor Plan Outputs

Level 1

[Insert legible floor plan outputs showing compliant and non-compliant areas]

Level 2

[Insert legible floor plan outputs showing compliant and non-compliant areas]

etc

### 2.2 Summary Tables

### 2.2(i) Daylight Factor Summary Table [Delete if not relevant]

The project has demonstrated that [30%, 60% or 90%]of the Class 5 Net Lettable Area (NLA)has a daylight factor of at least 2% measured at desk height (720mm AFFL) under a uniform design sky.

The following table provides more details on how the project has achieved this credit.

Table : Calculating Compliance

|  |  |  |  |
| --- | --- | --- | --- |
| Space ID | Area (NLA) m2 | Area with a daylight factor equal to or greater than 2% | Percentage of compliant NLA |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| Total  |  |  |  |

Therefore, as demonstrated in sections 1 and 2.1 and 2.2(i), this project is eligible to achieve [1, 2 or 3] point(s) for demonstrating that at least [30%, 60% or 90%] of the NLA has a daylight factor of 2% measured at desk height.

### 2.2(ii) Daylight Illuminance Summary Table [Delete if not relevant]

The project has demonstrated that [30%, 60% or 90%] of the Net Lettable Area (NLA) has a daylight illuminance of at least 250 lux.

The following table provides more details on how the project has achieved this credit.

Table : Calculating Compliance

|  |  |  |  |
| --- | --- | --- | --- |
| Space ID | Area (NLA) m2 | Area with a daylight illuminance of at least 250 lux  | Percentage of compliant NLA |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| Total  |  |  |  |

Therefore, as demonstrated in section 1 and 2.2(ii) this project is eligible to achieve [1, 2 or 3] point(s) for demonstrating that at least [30%, 60% or 90%]of the NLA has an illuminance level of 250 lux.

## Discussion

[Insert any issues you would like to highlight and clarify to the Assessment Panel.]

Author Details:

[Insert name, position and contact details of author]

[Date]

––– **Report end** –––