



LEED 2009 for Schools New Construction and Major Renovation

IEQ CREDIT 8.1: DAYLIGHT AND VIEWS - DAYLIGHT

All fields and uploads are required unless otherwise noted.

ALL OPTIONS

This static sample form has been modified for offline access. All sections of the form are visible. Sample forms are for reference only.

Select one of the following:

- ☐ **Classroom Spaces.** The project team is pursuing daylighting in classroom spaces only.
- ☐ **Classrooms and Other Regularly Occupied Spaces.** The project team is pursuing daylighting in classrooms and other regularly occupied spaces.

A floor plan highlighting regularly occupied space and daylit areas/zones is required to document credit compliance. If a combination of calculation methods (simulation, prescriptive, measurement) are used to demonstrate compliance, the areas corresponding to the different options must be clearly labeled. The floor plan below is a linked submittal. (If no document is present, you may upload one now.)

Upload L-1. Provide representative floor plan(s) for the project building.

Files:

Select one of the following:

- ☐ The floor plan(s) above indicate regularly occupied space and daylit areas/zones.
- ☐ A different document is better suited to satisfy this requirement.

Upload IEQc8.1-1. Provide floor plan(s) that highlight the regularly occupied space and daylit areas/zones.

Files:

Download, complete, and upload Supplemental Daylight and Views Calculation Spreadsheet (found under "Credit Resources") to document the regularly occupied spaces and associated daylight values.

Upload L-8. Provide the completed Supplemental Daylight and Views Calculation Spreadsheet.

Files:

One or more of the calculation methods below may be used to document the daylight illumination requirements. Select all that apply:

- ☐ **Option 1.** Simulation
- ☐ **Option 2.** Prescriptive
- ☐ **Option 3.** Measurement

OPTION 1. SIMULATION

Total daylit classroom gross area, determined through simulation:

Note: please input value from Upload L-8. Supplemental Daylight and Views Calculation Spreadsheet.

sf

Total daylit regularly occupied gross area (non-classroom), determined through simulation:

Note: please input value from Upload L-8. Supplemental Daylight and Views Calculation Spreadsheet.

sf

Upload IEQc8.1-2. Provide an output summary from the daylight computer simulations. *Note: Must be consistent with Upload L-8. Supplemental Daylight and Views Calculation Spreadsheet.*

Files:

- ☐ Daylight simulations were performed with clear sky conditions at 9:00 a.m. and 3:00 p.m. on September 21st, the project's geographic location, 30 inches above the floor (or at appropriate desk / work height for the space.), 5 foot or less calculation interval.

OPTION 2. PRESCRIPTIVE

Total daylit classroom gross area, determined through prescriptive calculations:

Note: please input value from Upload L-8. Supplemental Daylight and Views Calculation Spreadsheet.

sf

Total daylit regularly occupied gross area (non-classroom), determined through prescriptive calculations:

Note: please input value from Upload L-8. Supplemental Daylight and Views Calculation Spreadsheet.

sf

- ☐ The project has incorporated appropriate daylight redirection and/or glare control devices for sidelighting to avoid high-contrast situations that could impede visual tasks.

Interior elevations are required to document credit compliance. The elevation(s) below is/are a linked submittal. (If no document(s) is/are present, you may upload one now.)

Upload L-9. Provide building sections or interior elevations that show classrooms and other regularly occupied spaces and glazing elements used to achieve daylight levels.

Files:

Select one of the following:

- ☐ The elevation drawings above support the window areas claimed in the Sidelighting Table.
- ☐ A different document is better suited to satisfy this requirement.

Upload IEQc8.1-3. Provide elevation drawings to support the window areas claimed in the Sidelighting Table of Upload L-8. Supplemental Daylight and Views Calculation Spreadsheet.

Files:

OPTION 3. MEASUREMENT

Total daylit classroom gross area, determined through daylight measurements:

Note: please input value from Upload L-8. Supplemental Daylight and Views Calculation Spreadsheet.

sf

Total daylit regularly occupied gross area (non-classroom), determined through daylight measurements:

Note: please input value from Upload L-8. Supplemental Daylight and Views Calculation Spreadsheet.

sf

Upload IEQc8.1-4. Provide project drawing(s) with the recorded daylight measurements. *Note: Must be consistent with Upload L-8. Supplemental Daylight and Views Calculation Spreadsheet*

Files:

- ☐ Measurements were taken at 30 inches above the floor (or at appropriate desk/ work height for the space) on a maximum 10 foot interval.
- ☐ The project has incorporated appropriate daylight redirection and/or glare control devices to avoid high-contrast situations that could impede visual tasks.

DAYLIGHTING RESULTS

Table. Daylight Summary for Classroom Spaces

| | |
|--|--|
| Total daylit classroom gross area, Simulation (sf) | |
| Total daylit classroom gross area, Prescriptive (sf) | |
| Total daylit classroom gross area, Measurement (sf) | |
| Total daylit classroom gross area (sf) | |
| Total classroom gross area (sf) | |
| Percentage of classroom area daylit (%) | |

Note: At least 75% of classroom spaces must achieve daylighting requirements to document 1 point.

The percentage of regularly occupied gross area daylit may not exceed 100.

Table. Daylight Summary for Regularly Occupied Spaces

| | |
|---|--|
| Total daylit regularly occupied gross area (non-classroom), Simulation (sf) | |
| Total daylit regularly occupied gross area (non-classroom), Prescriptive (sf) | |
| Total daylit regularly occupied gross area (non-classroom), Measurement (sf) | |
| Total daylit regularly occupied gross area (non-classroom) (sf) | |
| Total regularly occupied gross area (sf) | |
| Total regularly occupied gross area (non-classroom) (sf) | |
| Percentage of regularly occupied gross area daylit (%) | |

Note: At least 75% of regularly occupied space must achieve daylighting requirements to document 1 additional point.

The percentage of classroom area daylit may not exceed 100.

ADDITIONAL DETAILS

- ☐ Special circumstances preclude documentation of credit compliance with the submittal requirements outlined in this form.

SPECIAL CIRCUMSTANCES

Describe the circumstances limiting the project team's ability to provide the submittals required in this form. Be sure to reference what additional documentation has been provided, if any. Non-standard documentation will be considered upon its merits.

Upload IEQc8.1-SC. Provide any additional documentation that supports the claim to special circumstances. (Optional)

Files:

- ☐ The project team is using an alternative compliance approach in lieu of standard submittal paths.

ALTERNATIVE COMPLIANCE PATH

Describe the alternative compliance path used by the project team. Include justification that this path meets the credit intent and requirements. Be sure to reference what additional documentation has been provided, if any. Non-standard documentation will be considered upon its merits.

Upload 8.1-ACP. Provide any additional documents that support the alternative compliance path approach. (Optional)

Files:

- ☐ The project team is using the above alternative compliance path to document exemplary performance of IEQc8.1.

SUMMARY

IEQ Credit 8.1: Daylight and Views - Daylight Points Documented:

IEQ Credit 8.1: Daylight and Views - Daylight Exemplary Performance Points Documented:

One exemplary performance point is available to project teams that demonstrate 90% of classroom spaces and 95% of regularly occupied non-classroom spaces meet the daylighting requirements.

- ☐ The project team reserves one point in the Innovation and Design credit category for exemplary performance in IEQc8.1