



# INFORMATION

*Note: This document contains addenda information that is supplemental to that found in the LEED Interpretations and Addenda database, found on <http://www.usgbc.org>.*

## **Addendum Details:**

Addenda Number	Post Date	Rating System	Category	Credit ID	Ref Guide	Issue Type	Page	Location
100000946	5/9/2011	Retail, New Construction v2009	Indoor Environmental Quality	IEQc8.1: Daylight and Views-Daylight		Non-grammatical	68-70	All
<b>ISSUE:</b> Replace section with that of the supplementary document.								

## **Supplemental Document:**

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## IEQ Credit 8.1: Daylight and Views—Daylight

### 1 point

#### Intent

To provide for the building occupants with a connection between indoor spaces and the outdoors through the introduction of daylight and views into the regularly occupied areas<sup>1</sup> of the building.

#### Requirements

Through 1 of the 4 options, achieve daylighting in at least the following spaces<sup>2</sup>:

Regularly Occupied Spaces	Points
75%	1

#### OPTION 1. Simulation

Demonstrate through computer simulations that the applicable spaces achieve daylight illuminance levels of a minimum of 10 footcandles (fc) and a maximum of 500 fc in a clear sky condition on September 21 at 9 a.m. and 3 p.m.

Provide glare control devices to avoid high-contrast situations that could impede visual tasks. However, designs that incorporate view-preserving automated shades for glare control may demonstrate compliance for only the minimum 10 fc illuminance level.

OR

#### OPTION 2. Prescriptive

For side-lighting zones:

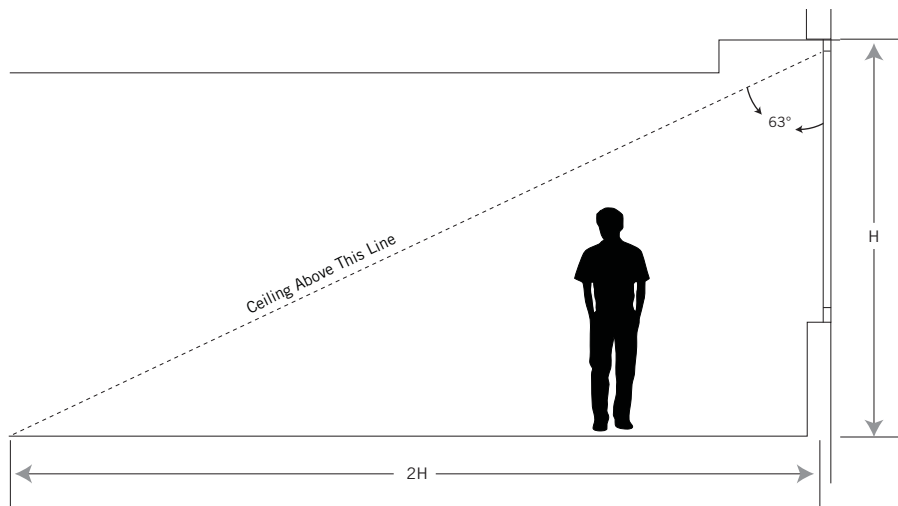
- Achieve a value, calculated as the product of the visible light transmittance (VLT) and window-to-floor area ratio (WFR) between 0.150 and 0.180.

$$0.150 < \text{VLT} \times \text{WFR} < 0.180$$

- The window area included in the calculation must be at least 30 inches above the floor.
- In section, the ceiling must not obstruct a line that extends from the window-head to a point on the floor that is located twice the height of the window-head from the exterior wall as measured perpendicular to the glass (see diagram on next page).

1 Nonoccupied spaces include all rooms used by maintenance personnel that are not open for use by occupants. Examples are closets and janitorial, storage, and equipment rooms. Regularly occupied spaces are areas where workers are seated or standing as they work inside a building. In a retail operation, regularly occupied spaces include the sales floor, transaction counters, sales desks, workstations, offices, conference rooms, food-prep areas, cooking areas, and other areas of administrative support.

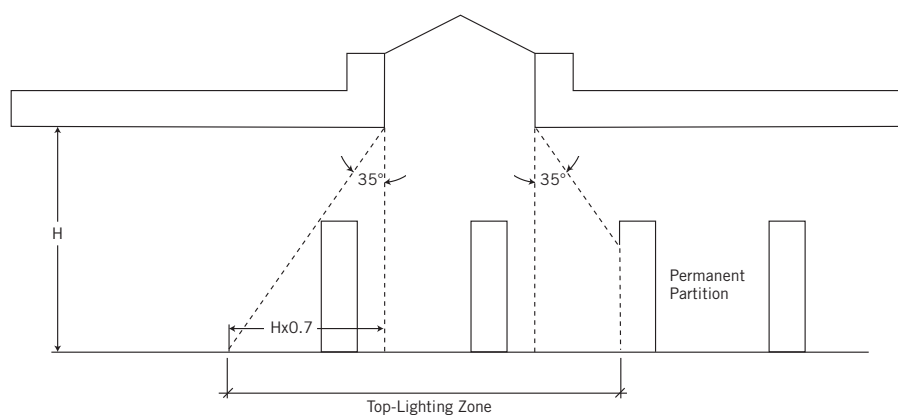
2 Exceptions for areas where tasks would be hindered by the use of daylight will be considered on their merits.



- Provide glare control devices to avoid high-contrast situations that could impede visual tasks. However, designs that incorporate view-preserving automated shades for glare control may demonstrate compliance for only the minimum 0.150 value.

For top-lighting zones:

- The top-lighting zone under a skylight is the outline of the opening beneath the skylight, plus in each direction the lesser of (see diagram below):
  - 70% of the ceiling height,
  - 1/2 the distance to the edge of the nearest skylight,
  - The distance to any permanent partition that is closer than 70% of the distance between the top of the partition and the ceiling.



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- Achieve skylight coverage for the applicable space (containing the top-lighting zone) between 3% and 6% of the total floor area.
  - The skylight must have a minimum 0.5 VLT.
  - A skylight diffuser, if used, must have a measured haze value of greater than 90% when tested according to ASTM D1003.

OR

#### OPTION 3. Measurement

Demonstrate through records of indoor light measurements that a minimum daylight illumination level of 10 fc and a maximum of 500 fc has been achieved in the applicable spaces. Measurements must be taken on a 10-foot grid and shall be recorded on building floor plans.

Provide glare control devices to avoid high-contrast situations that could impede visual tasks. However, designs that incorporate view-preserving automated shades for glare control may demonstrate compliance for only the minimum 10 fc illuminance level.

OR

#### OPTION 4. Combination

Any of the above calculation methods may be combined to document the minimum daylight illumination in the applicable spaces.