

The following checklist is used to assess the applicability of the LightLouver™ Daylighting System to existing commercial (non-residential) buildings. This checklist must be used with judgment based on experience and understanding of the unique conditions of the building being assessed.

PROJECT INFORMATION

NAME OF BUILDING

Building Address

City, State, Zip Code

BUILDING OWNER

Contact Person

Phone Number & E-mail

PROPERTY MANAGER

Contact Person

Phone Number & E-mail

BUILDING ENGINEER

Contact Person

Phone Number & E-mail

ARCHITECT

Contact Person

Phone Number & E-mail

OTHER RELEVANT CONTACTS

Phone Number & E-mail

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BUILDING SHADING

- Access of windows to sunlight.

Do the windows on the east, south and west facades of the building have access to sunlight throughout the year?

Use the following definitions to describe the type of access that the windows on each façade have.

- FULL – Windows where LightLouver units will be installed will receive unobstructed sunlight.
- PARTIAL – Windows where LightLouver units will be installed will be shaded during a portion of the year. Indicate the percentage of year that the windows will be shaded by surrounding buildings or vegetation.
- NONE – Windows are fully shaded (receive no direct sunlight) throughout the year.

	Full	Partial	None	Notes:
East Facade	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
South Facade	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
West Facade	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

WINDOW PROPERTIES AND SIZE

- Adequate visible light transmission of window glazing.

Is the visible light transmission of the window glazing 50% or higher? List glazing specifications, if available.

- Visible light transmission (Tvis) is a measure of the amount of visible light that will pass through the glazing.
- Solar heat gain coefficient (SHGC) is a measure of the amount of heat that will pass through the glazing.
- U-value is a measure of the thermal conductance of the glazing.

Yes Tvis _____ SHGC _____ U-value _____

No

- Adequate area of daylight window glazing 7'-0" above finished floor.

Is daylight window-to-floor area ratio 2–3% or higher? List or calculate the daylight window-to-floor area ratio in the proposed daylit space. For this calculation, the daylight window is only the portion of the glazing that is 7'-0" or more above the finished floor? (Divide window area above 7'-0" by the floor area of the proposed daylit space.)

Yes Window area 7'-0" above finished floor _____ ÷ Floor area of targeted daylit space _____

No = _____ Window/floor area ratio

- Sufficient mullion depth to accept mounting of LightLouver units.

Is the distance from the glass to interior edge of mullion 1.5" or greater? List the depth.

Yes Specify _____

No

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PROPOSED DAYLIT SPACE CHARACTERISTICS

- Sufficiently open space without interior obstructions.

Is the proposed daylit space sufficiently large with minimal interior obstructions higher than 5'-0", or are transom windows planned in the partition walls to allow daylight reflected by the LightLouver units to penetrate deep into the floor plate?

Yes No

- Sufficient floor-to-ceiling height.

Is the floor-to-ceiling height approximately 9'-0" or higher?

Yes Specify _____

No

- Sufficient light reflection from interior walls and partitions.

Are the wall and partition colors sufficiently light to reflect daylight or could they be made sufficiently light?

Yes No

- Sufficient light reflection from ceiling.

Is the ceiling color sufficiently light to reflect daylight, or could it be made sufficiently light? Ceiling reflectance must be 80% or greater.

Yes Specify _____

No

- Proper ceiling surface and structural characteristics.

Does the ceiling have a smooth, matte finish, with no heavy patterns or textures, and no protruding architectural or structural elements that would act as "light dams," blocking daylight from a LightLouver unit from "washing" daylight across the ceiling surface deep into the proposed daylit space?

Yes Describe or make a sketch:

No

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ELECTRIC LIGHTING SYSTEM

- Ability to dim existing electric lighting system.

Is it possible to add daylight dimming control to the existing electric lighting system?

Yes No

- Ability to specify daylight dimming control.

If LightLouver units are to be added as part of a renovation/retrofit, is it possible to specify daylight dimming control in the new electric lighting system?

Yes No

BUILDING IMAGES

- As appropriate, please attach exterior and interior images (photos) of the building to further explain or establish the existing design conditions.

Interior images attached

Exterior images attached

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