

The unique, patented LightLouver slat design redirects daylight deep into the daylit space while providing complete solar control. For all solar altitude angles, as shown in the diagram (left), the LightLouver slat redirects daylight up and back onto the ceiling to provide uniform, glare-free daylight.

Assess Potential for Daylighting (refer to Figure 1)

- Existing glazing ideally should have a visible light transmission (V_T) of 50% or higher. However, for glare control a lower V_T may be acceptable.
- Existing or new windows on east, south and west facing facades should ideally have unobstructed access to daylight throughout the day.
- Sufficient area of glazing above 7' (AFF) to adequately daylight the proposed "daylit" space.
- Ability to add daylight dimming control to the existing electric lighting system in the proposed "daylit" space, or if in a renovation/retrofit situation, specify daylight dimming control in the new electric lighting system.
- Sufficiently large open spaces with minimal interior walls or furnishings above 7' (AFF) in the proposed "daylit" space. Glass partition walls and transom glass are acceptable.

LightLouver Sizing (refer to Figure 2):

- One vertical foot of LightLouver provides uniform ambient light for a 12'-14' daylit zone.
- Minimum LightLouver unit height = 12".
- LightLouver unit heights should ideally be divisible by 1". Fractional heights will be rounded down to the next inch increment.
- Interior window frame width > 1.5".
- Maximum LightLouver unit area = 18 sf. However, larger window areas can incorporate multiple LightLouver units.

Electric Lighting System Integration:

- LightLouver units integrate best with indirect lighting, both of which work best with a smooth and reflective ceiling surface. Lensed lighting fixtures are acceptable; louvered troffers do not provide a good reflective surface.
- LightLouver units provide an ambient (20-30fc) level of illuminance and integrate best with an ambient/task electric lighting design scheme providing the same ambient illuminance level.

Window Treatment

- Select "view" window treatment that effectively blocks direct sunlight. Fabric shade system preferred with 3-5% openness factor.

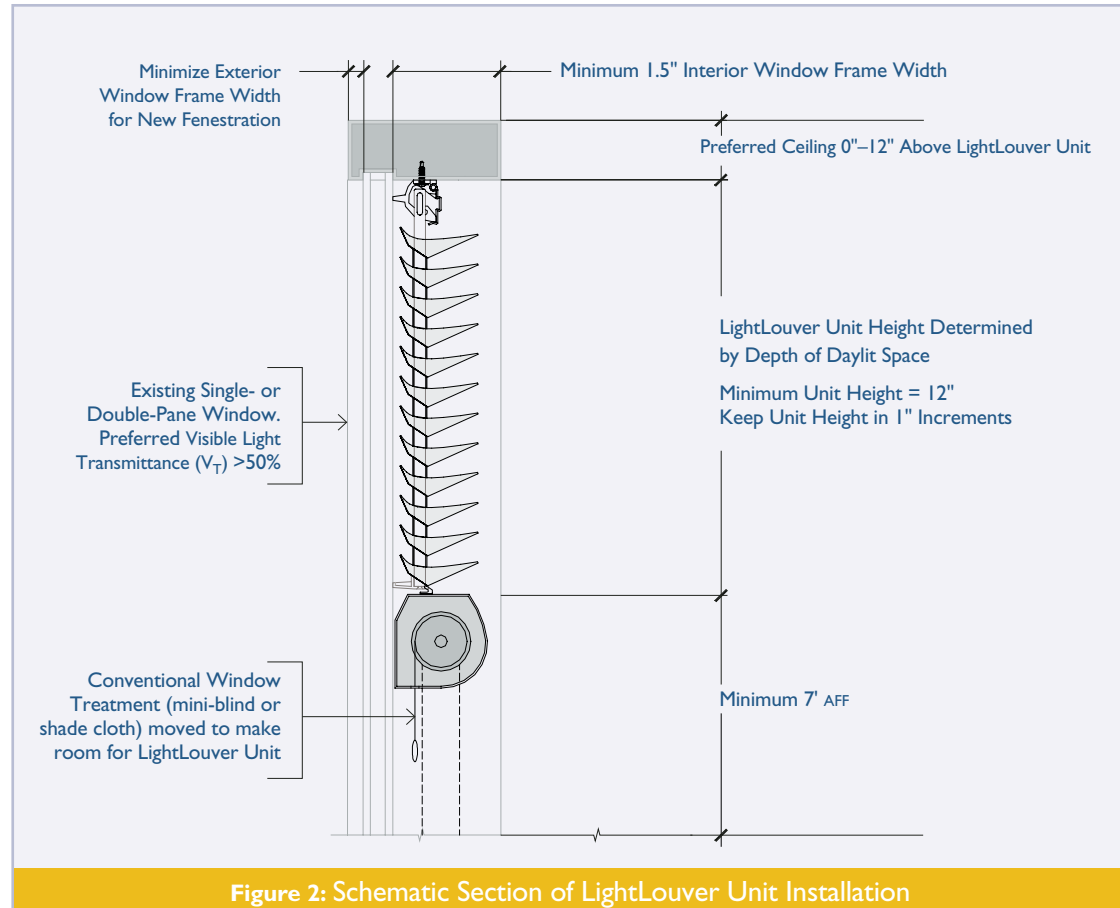


Figure 2: Schematic Section of LightLouver Unit Installation

We can help you integrate LightLouver units into your project.

For design integration assistance:

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