

## ► How Altex's shades improve the well being of people?

### 1- reduce solar heat;

Altex shades enhance heat control by reducing light infiltration, thus allowing for energy savings (reduction of air conditioning costs).

**What LEED says :** «Daylighting design involves a careful balance of heat gain and loss, variations in daylight availability and glare control.»<sup>1</sup>

### 2- reduce control glare;

By controlling the reflections on the computer screens and television, the Altex shades reduce at the same time the ocular tiredness of the occupants.

**What LEED says :** «Glare control is perhaps the most common failure in daylighting strategies. Glare is defined as any excessively bright source of light within the visual field that creates discomfort or loss in visibility. Large window areas provide generous amounts of daylight to the task area. If not controlled properly, this daylight can produce unwanted glare and affect the lighting quality.»<sup>1</sup>

### 3- support natural light;

The Altex screen shades let part of the natural light inside the room, for the benefit of the occupants.

**What LEED says :** «Studies have demonstrated that productivity increases dramatically for those building occupants working in daylit areas. In addition, daylighting decreases energy costs for buildings by providing natural solar lighting. A well-designed daylit building is estimated to reduce lighting energy use by 50% to 80%. The evidence is that both daylighting and views to the outdoors are beneficial to building occupants; and both should be central considerations in building design»<sup>1</sup>

### 4- provide outward visibility.

According to the opening weaving factor, Altex transparent shades gives outward visibility during the day.

**What LEED says :** «views to the outdoors are an important factor in occupant satisfaction, productivity and health. Intensive care unit studies have shown that windows can reduce post-operative delirium and depression; gall-bladder surgery patients were found to have fewer negative evaluations, took fewer pain relievers, and had fewer post-surgical complications when provided with landscaped outdoor views.»<sup>1</sup>

<sup>1</sup> LEED reference package for commercial interiors (version 1.0), pages 366-367

## ► Altex contribution to LEED criteria

### LEED-CI Green Building Rating System for Commercial Interiors :

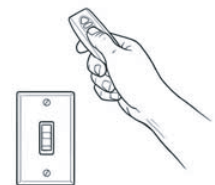
- **Credit 5.1 - Regional Materials, 20% Manufactured Regionally :**  
All Altex products are manufactured in Terrebonne, Quebec, Canada.
- **Credit 8.1 - Daylight and Views, Views 75% of Spaces.**
- **Credit 8.2 - Daylight and Views, Views for 90% of Spaces :**  
All Altex shades represent a solution to reduce glare inside the room.

### LEED-NC Green Building Rating System for New Construction & Major Renovations :

- **Credit 8.1 - Daylight and Views, Views 75% of Spaces :**  
All Altex shades represent a solution to reduce glare inside the room.

## ► Texmo motors: optimize your solar shade!

For an optimisation, choose **TEXMO** motorized shades that will gauge the sun's intensity and raise or lower automatically. Energy costs will then be reduced to the minimum. With the DCC switch, the user can set the shade to respond to different sunlight intensities. The switch is sold with a sun sensor which measures the intensity of sunlight and transmit the information to the switch. The user can also program the shade to operate automatically at different times of the day thanks to the *Chronis Timer*. At a preset time the *Chronis Timer* sends a radio signal to the motor which then operates accordingly.



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