

1 INTRODUCTION

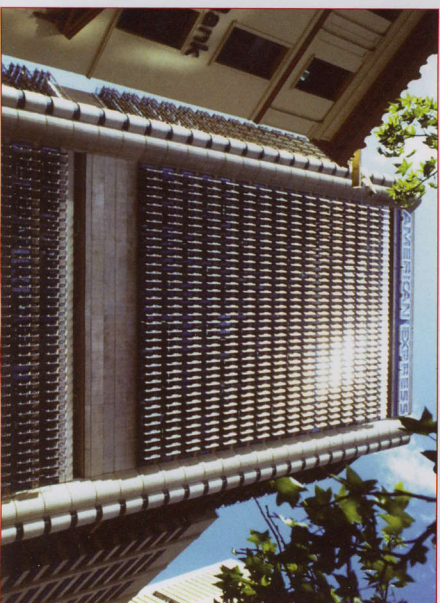
Now your design can include all the windows that you want... without worrying about excessive heat build-up and high energy costs.

The trend toward open floor plans and areas that bring the outdoors inside is unmistakable. High ceilings and window treatments have become the standard in most new construction. Today's homes and commercial buildings utilize more glass than ever before.

As attractive as these open plans are, owners and managers are increasingly concerned about some of the side effects. These range from excessive glare, heat build-up, and high energy costs to the rapid fading of carpets, furniture, and draperies. In short, consumers like the glass, but not the problems that it tends to create.

Instead of replacing the glass to solve these problems, consider window film. Llumar, the leading industry brand, offers a complete line of products that will allow windows to become the focal points that they are meant to be while providing increased comfort inside and lowering overall costs.

So, design all the glass you want, and then protect those who will enjoy its benefits by adding window film. Llumar films can provide the types of benefits typical of expensive glazing systems without interrupting inside activity when installed. There are films suitable for installation on all types of glazing systems including double pane units.



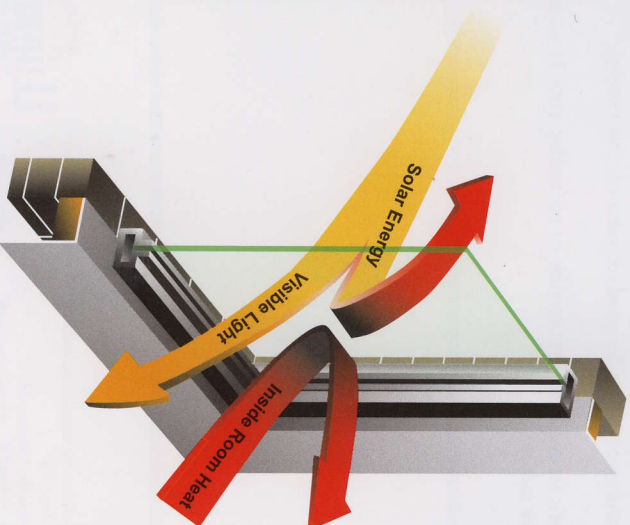
2 WHAT IS WINDOW FILM?

It's a high performance polyester film that is applied directly to the glass surface to enhance the performance of glass. Llumar Window Film is a laminate of strong polyester and metallized coatings bonded by adhesives that provide significant solar insulation for all types of glass. Film can be clear, colored, or patterned to blend with various design schemes. Various thicknesses are available for solar, safety, or security applications.

High-tech films are manufactured by using a state of the art sputtering process that applies metal alloys to the base film. Layers are assembled and finished with a strong scratch-resistant coating. Llumar films are available in both reflective and non-reflective finishes.

By applying the micro-thin film to glass windows and doors, troublesome problems associated with the popular open look can be controlled. Depending on the film selected, Llumar can cut from 12 percent to 93 percent of the incoming light, eliminate 99 percent of the harmful ultraviolet radiation to protect fabrics and finishes, and cut up to 76 percent of the solar heat gained through the glass.

This is why more and more architects and designers are specifying Llumar Window film on their projects.



3 THE BENEFITS

Today's window films enhance aesthetics while increasing indoor comfort and reducing utility costs.

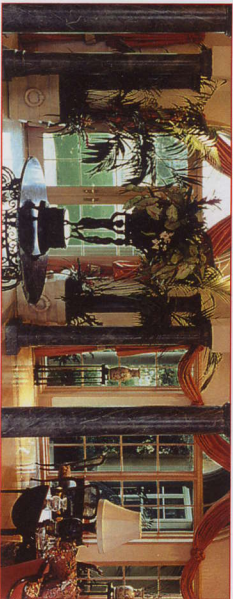
To offset the solar heat passing through windows, the U.S. consumes the energy equivalent of millions of barrels of oil everyday. Whether for new construction or retrofit projects, the application of Llumar Window Film is one of the most effective and economical methods of controlling this energy loss and increasing indoor comfort.



Glass windows are notorious as energy wasters, and architects and design professionals can justify their extensive use only by incorporating some degree of solar protection. Double and triple pane windows help, but may not be as effective as window film, despite their much higher cost.

Shutters are nice, but they hide the beauty of the window and darken a room when closed. Shades also block much of the outside view when in use. Draperies, while adding design appeal to the room, aren't much help in controlling energy loss even when closed. Window film alone offers protection from the sun while maintaining the full appeal of the unobstructed window.

Provide increased indoor comfort throughout the year, reduce energy consumption by cutting heat gain, protect fabrics and finishes, and reduce glare with Llumar Window Films.





ABOUT THE COMPANY

T

HERE IS A LLUMAR WINDOW FILM SOLUTION FOR EVERY GLASS PROBLEM.

Excessive Heat
Glare
Interior Fading
AestheticsGlass

GainSafety
Security
Anti-Graffiti
Decoration

Technical data sheets and samples are available from your Llumar representative. To assist you in selecting the correct film, CPFilms has a comprehensive computerized energy analysis program, DOE-based, that factors in all data that effects a building project such as climactic region, exposure, size, type of HVAC, window area, energy costs, etc. The Demand Analyzer energy analysis provides comparisons of the selected films, energy costs, and payback periods. We also have energy engineers and technical staff available to support your needs.

Manufacturer's Warranty

When installed by an authorized Llumar representative, these products carry a manufacturer's warranty for materials and labor. The warranty covers peeling, cracking, demetallizing, delamination, and adhesive failure. Llumar solar control films are warranted for periods up to ten years depending on the product selected.



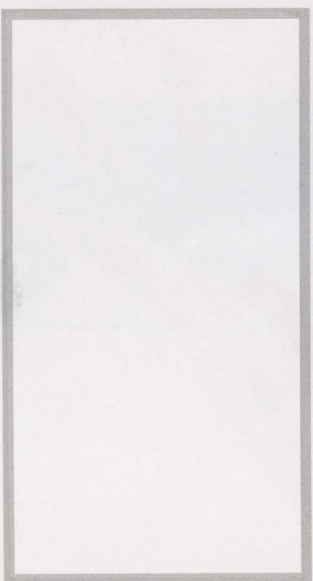
The undisputed leader in the industry, CPFilms Inc., makes Llumar Window Films. From its 650,000 square foot facility in Martinsville, Virginia, CPFilms is the only manufacturer to perform every step of its window film producing process at one location, thus ensuring excellent product control. Through its rigid quality standards, the company has been ISO 9001 Certified (Certificate Number FM 35957). With an unmatched desire to manufacture the best film, CPFilms and their Llumar brand have prevailed as the tint professionals' choice.

Film installation is easily accomplished on new or retrofit projects. Llumar Window Films are available from professional installers throughout North America. Their application takes little time and doesn't disrupt normal inside activities.

Film is applied with the aid of a surfactant and then trimmed to size. The surfactant activates the Clear Distortion Free adhesive system of the film, which provides a permanent bond to the glass. Tough scratch-resistant coatings allow the film to be easily installed and maintained.

Glass surfaces with Llumar Window Film are easily maintained with mild cleaning solutions. The superior scratch-resistant coatings are designed for years of clear viewing.

Benefit from Llumar protection by contacting your Llumar dealer today!



Llumar is a registered trademark of CPFilms Inc.
P.O. Box 5068
Martinsville, Virginia 24115
(800) 255-8627 www.llumar.com



Llumar Window Film

