

## CASE STUDY: Protection never looked this good

### Building

City of Atlanta Parks Department

### Location

Atlanta, Georgia, USA

### Window Film

NRM-PS2 (Frost)

### Type

Designer Film



## SITUATION

The City of Atlanta's Parks Department had a beautiful marquee that was constantly being defaced, its lettering constantly stolen. The sign needed to be encased, but the department didn't want its nice appearance impaired. They considered an acid-etched glass encasement, but the cost was exorbitant and the process difficult. Asked to find a better solution, landscape architect Cal Comier called the local LLumar dealer.

## SOLUTION

Comier designed a grass and woodland setting to surround and embellish the words, "Department of Parks, Recreation & Cultural Affairs." Employing an automated cutting system, the dealer installed the design on an encasement glass. The setting was complemented with varying depths of white frosted window film (LLumar NRMPS2) to take full advantage of the backlighting and to create a three-dimensional view.

## RESULT

The handsomely designed protective case won the approval of the Parks Department and the envy of other city departments who sought similar identification. Subsequently, Comier was commissioned by the Atlanta's police commissioner to bring new distinction to his department's lobby with a mural cityscape created with LLumar NRM-PS2 frosted window film.

## Performance Data

	% Total Solar Transmittance	% Total Solar Reflectance	% Total Solar Absorbance	% Visible Light Transmittance	% Visible Reflectance (exterior)	% Visible Reflectance (interior)	Winter U-value	Shading Coefficient	% Ultraviolet Ray Protection (wavelengths 280-380nm)	Emissivity	Solar Heat Gain Coefficient	% Total Solar Energy Rejected	Light-to-Solar Heat Gain Ratio (LSG)	% Summer Solar Heat Gain Reduction	% Winter Heat Loss Reduction	% Glare Reduction
Clear Glass	83	8	9	90	8	8	1.03	1.00	29	0.84	0.86	14	1.05	0	0	0
Privacy Series	Privacy Series films come in a wide range of colors and are ideal for commercial interior glazing applications to achieve privacy or interior design goals.															
NRM-PS2 (Frost)	69	20	11	75	25	22	1.02	0.84	98	0.84	0.73	27	1.03	16	1	17

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The solar performance data reported for LLumar architectural window films was captured using the National Fenestration Rating Council's (NFRC) standard guidelines for window film solar performance measurement as measured on single pane, 1/8 inch (3mm), clear glass. All values averaged from routinely accumulated quality control data.