

**Site**

Plaza Club

**Location**

Honolulu, Hawaii

**Window Film**

Luminance V28

**Product Series**

Dual-Reflective Series



**SITUATION**

When the local Vista™ by LLumar® dealer passed the imposing Pioneer Plaza office building in downtown Honolulu he was dismayed by the appearance of the buildings' two highest floors. These floors housed the prestigious Plaza Club, a fashionable meeting place where the city's business leaders got together for dining and meetings. The windows on the two top floors exhibited a worn, distorted and purple film covering which was clearly the worse for wear. Moreover, the appearance of these floors went a long way in destroying the otherwise neat, clean, clear-cut total look of the building.

**SOLUTION**

Action was taken to remove this eyesore! The dealer made a cold call to the club manager with the proposal that Vista solar control window film would not only transform the whole building's appearance but would bring remarkable improvements to the comfort and ambiance within the club. After a formal meeting, an analysis of the solar environment and a juxtaposed comparison of Vista and other competitors' installed products was performed. It was decided that the most suitable film to install was Vista™ by LLumar® Luminance V28, a film which improves and enhances the beautiful views that characterize the Plaza Club by cutting harsh glare. The Luminance film blocked more than 99 percent ultraviolet rays, helping protect against premature fading\* and reduced the amount of the sun's heat and glare which pass through untreated glass. When installed Vista Luminance lowers the sun's heat by 58 percent and cuts down sun glare by 67 percent. The dealer installed 4,850 square feet of film without interfering with the normal daily activities of the Club.

**RESULT**

The members are now able to enjoy the club facilities in a cool glare-free environment with expansive panoramic views of the city and the Pacific Ocean.

The building executives are so pleased with the exterior look of the Plaza Club floors and the comfort benefits brought by Vista Luminance that a decision was made to remove the existing film from all of the windows in the rest of the building (22 floors) and replace it with Vista V28, an additional 27,600 square feet of installation.

**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 Reflected	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	-	-	-
Dual-Reflective Series																
Luminance V28 SR CDF	23	33	44	30	33	21	1.01	0.41	>99	0.77	0.36	64	0.83	58	3	67

**EASTMAN**

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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 (3 mm), clear glass. Reported values are taken from representative product samples and are subject to normal manufacturing variances. Actual performance will vary based on a number of factors, including glass type and properties. \*Films do not eliminate fading—they reduce it. UV rays and heat are contributing factors to fading but other factors exist. For further information, see LLumar.com/download-library. © 2008, revised 2016 Eastman Chemical Company. VISTA™, the VISTA® logo, LLumar®, the LLumar® logo and Enerlogic® are trademarks of Eastman Chemical Company or one of its wholly owned subsidiaries. As used herein, ® denotes registered trademark status in the U.S. only. (06/16) SP1097