

Site

Mauna Lani Bay Hotel
and Bungalows

Location

Kona Coast, Hawaii

Window Film

Luminance V28 SR CDF

Product Series

Dual-Reflective Series



SITUATION

With 342 rooms, the Mauna Lani Bay Hotel and Bungalows is indeed an impressive sight. But when you add the breathtaking views of the Pacific, a AAA Five Diamond Award for excellence, and 4000 square foot luxury suites at \$4,500 a night, it's easy to see why some consider it to be the world's finest resort.

Crawford Sherman, the resort manager, began to notice that their window film was discoloring and the cost to maintain a comfortable room temperature was increasing. "The brand of film that had initially been installed seven years ago was from a very reputable manufacturer, so you can imagine how surprised I was when these problems began," said Sherman. "People travel thousands of miles for the ultimate vacation, and it was unthinkable that we would allow them to look through window film that was blotching and discolored."

SOLUTION

Immediate action was necessary. And no compromises could be made in correcting the problem. Sherman's first step was to contact their Vista™ by LLumar® dealer who recommended Vista™ by LLumar® V28 window film with its high heat rejection and its low interior reflectivity to optimize clarity.

RESULT

"I was overwhelmed by their knowledge, professionalism, and responsiveness, and was particularly impressed by Vista's ten year limited warranty," said Sherman. "The final results are that the windows are now shaded on the outside for privacy while on the inside, the sun's glare off the water is dramatically reduced enhancing the view that people travel so far to enjoy."



Performance Data

	% Total Solar Transmittance	% Total Solar Reflectance	% Total Solar Absorptance	% 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	-	-	-
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

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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, updated 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) SP1090