

Site

Yaquina Bay Lighthouse

Location

Newport, Oregon

Window Film

Crystal Elegance V58

Product Series

Neutral Series



SITUATION

The lighthouse in Yaquina Bay, Newport, Oregon protects seafarers from rocky shores. The light stands high above a stately residence, which is now home to antique furnishings and artifacts, including valuable art pieces, which have been loaned by Friends of Yaquina Lighthouses. Commissioned in 1871, the lighthouse was last restored in 1996 by the Oregon Parks and Recreation Department. The lighthouse was placed on the National Register of Historic Places by the United States Department of the Interior in 1974. Large Georgian-like windows provide the lighthouse with an historic appearance, which, while permitting grand views of the bay, also allow harmful ultraviolet rays from the sun to damage the interiors.

SOLUTION

Executive Director Jane Maines knew the precious furniture and art must be protected while they were in her custody, so she turned to interior decorator Jane Jincks for a solution. Jane had dealt with many similar problems at various locations and promptly recommended the installation of Vista™ by LLumar® Crystal Elegance V58 to protect the furnishings for generations to come. The film was installed on all the lighthouse windows for interior protection and to cut sun glare by 33 percent. The high-tech solar control film blocks more than 99 percent of ultraviolet rays, helping protect against premature fading.*

RESULT

Best of all, the film is virtually invisible and the professional installation was quick and trouble-free. With Vista in place, the generous donors of irreplaceable furniture and art can be sure that their possessions will be protected while in the lighthouse.

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	-	-	-
Neutral Series																
Crystal Elegance V58 SR CDF	55	10	35	60	11	9	1.07	0.76	>99	0.90	0.66	34	0.91	23	-3	33

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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) SP1105