

Venetian Blind Ecotect Model

This Ecotect model contains two sets of blinds for use in testing the effects of venetian blinds upon daylight access. The blinds are modeled with a typical curved profile and are 5'3" in length. It is possible to overlap copies of these blinds to obtain a longer blind for wider windows without ill effects in daylighting analysis.

The internal blinds set has a width of 3 inches and includes:

Position	Title of Zone where located
horizontal position	down_in_0
45% from horizontal	down_in_45
22.5% from horizontal	down_in_22_5

The interior blinds are set as panel material plastic with a reflectivity of 0.5 or 50%.

The external blinds set has a width of 6 inches and includes:

Position	Title of Zone where located
horizontal position	down_out_0
45% from horizontal	down_out_45
22.5% from horizontal	down_out_22_5

The exterior blinds are set as panel material stainless with a reflectivity of 0.7 or 70%.

Radiance Layers Ecotect Model

This Ecotect Model contains several materials to aid in preparing realistic daylighting models using Ecotect with Radiance. These include a custom library of glass assemblies to be used as window glazing which have been prepared using the Lawrence Berkeley National Laboratory's software Optics 5. This allows accurate glass transmittance to be modeled when analysis is done using Radiance for Ecotect, also from the LBNL. Additionally, translucent materials have been designed for use with Radiance.

Radiance for the PC desktop is available at:
<http://radsite.lbl.gov/deskrad/download.htm>

Optics 5 for Windows is located at:
<http://windows.lbl.gov/materials/optics5/default.htm>

To view the available options, select the Material tab, then windows, then double click on the name of the material you wish to select. In the properties panel that will load, select the last tab, Advanced Export, and confirm that Radiance is selected in the drop down menu. The properties that will be used by radiance appear in the dialog box.