GLASS QUALITY STANDARDS
INSULATING GLASS UNITS (IGU)

SoftLite Windows & Doors

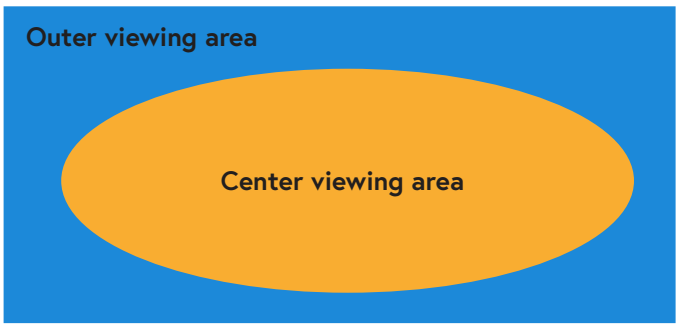
Visual Quality of Glass Surfaces

All insulating glass units supplied to SoftLite are expected to be clean and free of cosmetic defects that interfere with or detract from the view when looking through a window.

Because windows are viewed through during varying lighting conditions ranging from cloudy overcast days to bright sunny days, it is necessary to review and inspect based on good lighting conditions designed to replicate natural sun light. Considerations shall be given to bright sunny conditions. For this reason, inspections will take place using a minimum illuminant of 160 foot candles and units will be viewed in front of a black background to eliminate distractions and background interference.

Test Method

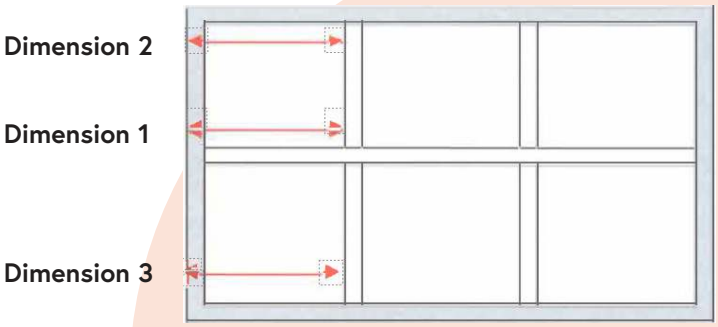
The viewer shall clean (if necessary) and place the unit in a vertical position. The unit shall be inspected from a distance of 40" and at angles normally used when viewing through a window (no greater than 45 degree angle). Any defect or blemish inside the center viewing area not visible from 40" is considered acceptable. Defects or blemishes in the outer viewing area shall be rejected when visible at a distance of 72".



Muntin (internal grid) Quality

Visual quality characteristics

Using the test method described in section 1.1, inspect grids using the same method. Any defect/ blemishes not detectable at a distance of 40" or greater are acceptable.

Straightness

Because grids are typically matched to another sash in most windows, grid placement must be as straight and as evenly spaced as possible. For this reason, SoftLite holds a+/- 1/16" tolerance on grid straightness and alignment. Using the example below, measure the grid placement in the 3 locations indicated. Using dimension 1 as the standard, dimensions 2 and 3 shall be within+/- 1/16" of dimension l. Additionally, dimensions 2 and 3 must be within 3/32" total difference.