



SSLT Lift & Tilt Blinds

Description

A magnetically coupled lift and tilt aluminum mini-blind for installation in sealed insulated glass packages. The blind is controlled by two externally mounted magnet assemblies, which are coupled to corresponding internal magnet assemblies. Moving the outer tilt operator to the left or right will cause the blind slats to rotate. Moving the outer lift operator down will cause the blind to raise and moving it up will cause the blind to lower.

OEM between the glass (BTG) mini-blinds, when installed in an insulated glass (IG) package, can be used in door window, regular window, and office partition applications. The blinds offer convenient control of light level and privacy by tilting and/or raising the slats and blind to your preference. Gone is the need to periodically dust the blinds. The outer glass surface can be easily wiped and cleaned without affecting the blind. Since they are internally mounted, damage to the blinds from everyday use is avoided.

Definition of Blind

Requires a 0.750" internal glass airspace. Slat is aluminum alloy 6010-T8, size 12.5 mm (0.500") x 0.008" painted with a polyester ultra violet high resistant finish. Head rail and bottom rail profiles are 6063-T5 aluminum alloy painted in coordinated color with the slat. High temperature plastics are also provided. The ladder tape and lift cord are thermally fixed polyester and are UV resistant. The sintered neodymium-iron-boron magnets have a produced energy of $Bh_{\max} = 35$ Mega Oersteds and a maximum working temperature of 248 °F.

The low profile operator extends 0.300" from the glass.

Glass Package (IG) Producer / Manufacturer Requirements

Maintain 0.750" air gap for blind operation. Ensure width and height rectangular internal glass dimensions. Install blind into IG package consisting of glass, box spacer, corner keys and sealant. Identify materials and fabrication process to OEM Shades to ensure compatibility with blind.

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Ensure IG or replaceable glass package maintains the internal geometry necessary to allow slat rotation during environmental temperature and pressure excursions. Glass deflection (internal bending) must be eliminated to allow proper blind operation. Possible methods to maintain acceptable air gap include pressurization or the installation of capillary tubes.

The blind must be installed in the vertical position for proper operation.

Tolerances

Size of blind assembly is typically glass size less 7/8" for both width and height. This cutback is derived as follows. Spacer bar width 5/16" (quantity of 2) and sealant of 1/8" (both sides) for a total of 7/8". The spacer bar must have a thickness of 3/4" to maintain air gap. A space of approximately 1/8" is left on each side between the slats and side guide/lift channel to allow for free movement of the system.

The production tolerance is +0 / -1/16" for the width of the blind. The tolerance for the height of the blind is +1/4" / -0".

Warranty

Blind repair or replacement only:

10 years when not exposed to temperatures greater than 220 °F

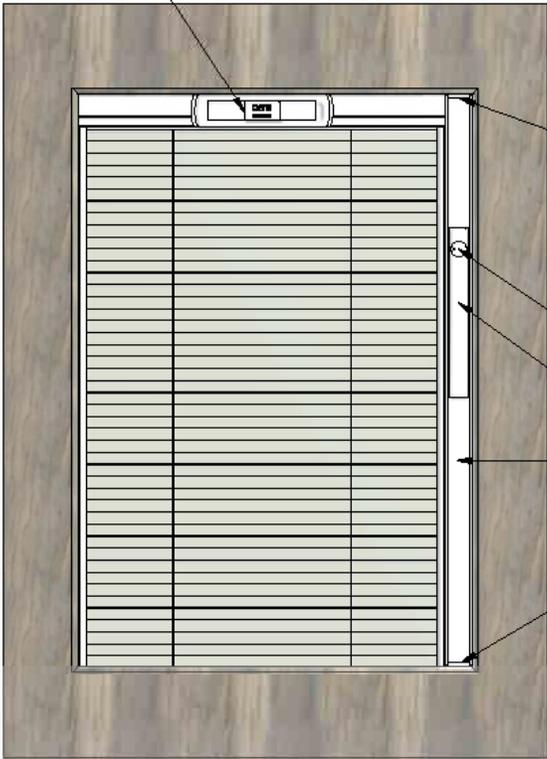
Outside tilt operator– 1 year

Outside lift operator and channels – 1 year

Low – E glass is not recommended with blinds that raise and lower. The ladder tape stacks can possibly touch the coating on the glass surface and with time, the constant friction can wear on the coating. If Low – E glass must be used, use a hard coat Low – E (pyrolytic) along with side guides. Note this does not guarantee there will be no contact between the Low – E glass surface and the blind.

SSLT -- Lift & Tilt Shade

TILT OPERATOR



END CAP

DUMMY SCREW / BRAKE SCREW

OUTSIDE LIFT OPERATOR

OUTSIDE LIFT CHANNEL

END CAP

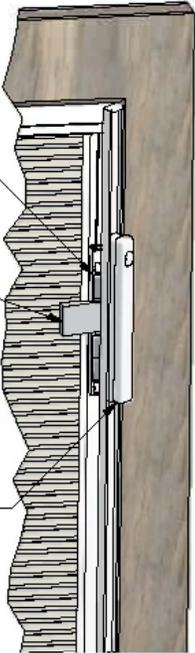
LOWER OUTSIDE LIFT CHANNEL

INSIDE LIFT OPERATOR

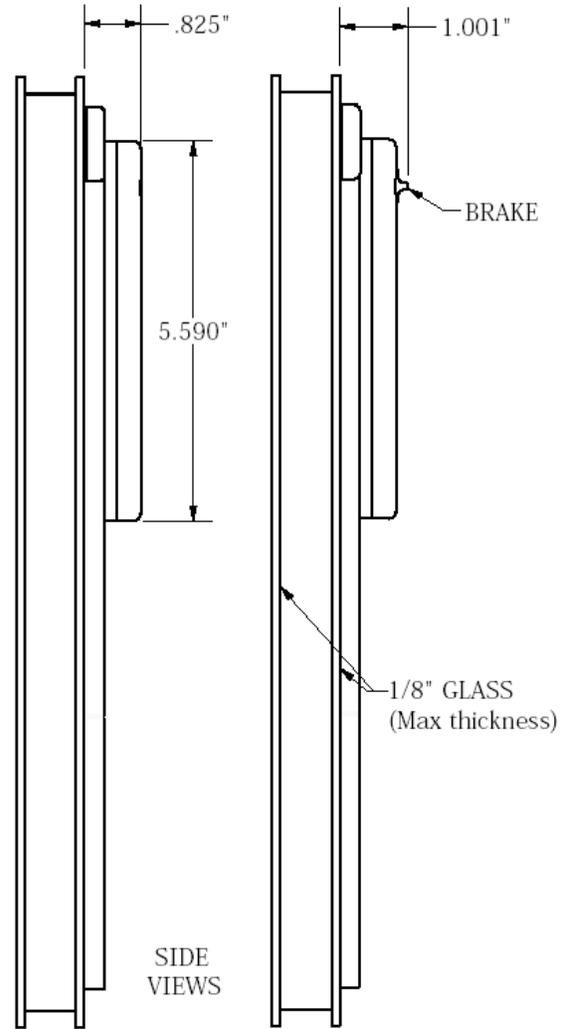
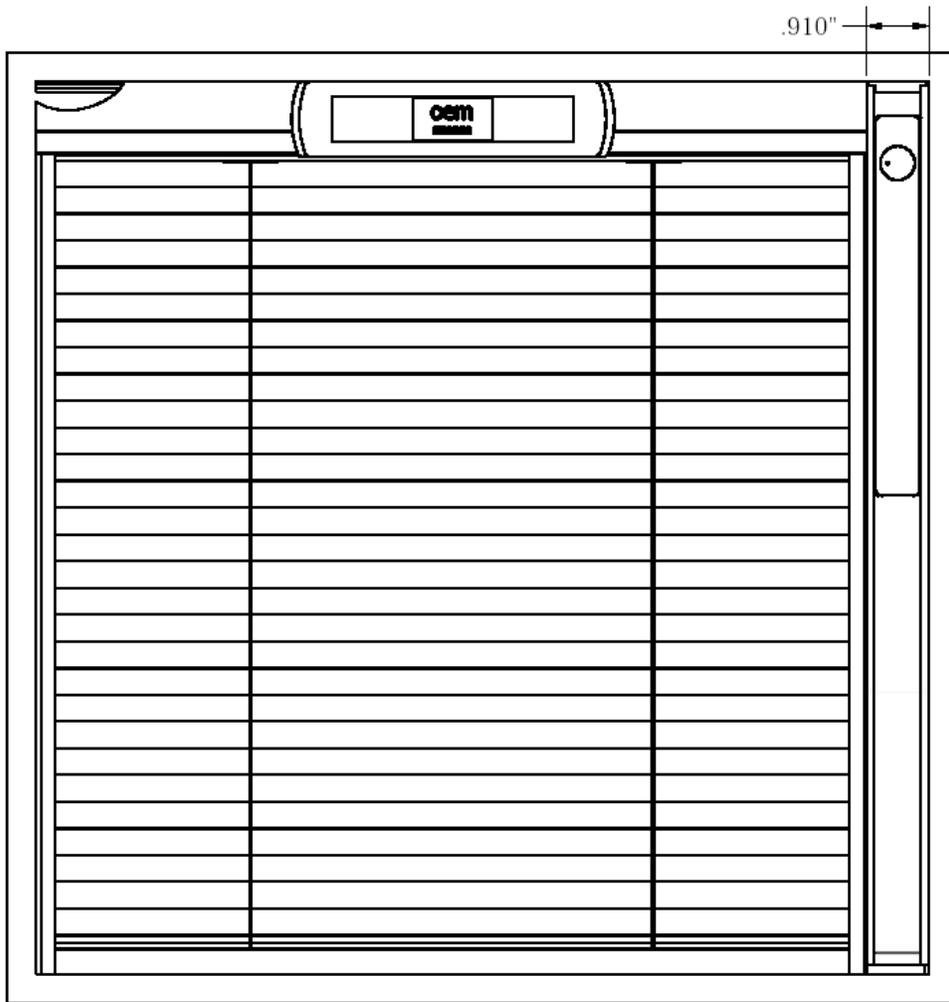
WEDGE

May be used to ease mounting of outside lift channel with lift operator.

The bottom of the outside lift operator must be lined up with the bottom of the inside lift operator for proper coupling.



SSLT Lift and Tilt Blind Assembly



WITHOUT BRAKE

WITH BRAKE