

Elevator Shield™

Protects elevator openings from fire and smoke. Prevents vertical smoke migration to other floors.



Elevator Shield™ Features

- Smoke and Fire Protection in One Solution
- UL Listed & Code Compliant
- Controlled Descent
- Lightweight, easy to lift by hand
- Integrated Up-Button for Egress
- Available in Sizes up to 19 feet 8 inches wide x 10 feet high
- Multiple Complementary Applications
- Battery Back-up standard, NOT Required for Gravity Fail Safe Deployment

Life Safety, Accessibility, Design Freedom

The **US Smoke & Fire Curtain Elevator Shield™** provides a robust and effective means of achieving smoke and fire protection for elevator hoist way openings. Elevator Shield™ employs smoke and fire curtain technology that has been utilized for decades around the world, protecting people and property in critical locations such as airports, shopping malls, theaters, commercial structures, and museums, every day. Our gravity fail-safe fire and smoke curtains have market-leading features and meet the most demanding specifications available, yet offer a cost-effective and flexible solution to fire and smoke control.

Elevator Shield™ is designed to protect elevator openings and shafts from vertical smoke migration. In addition, our exclusive **light-weight** curtain material is **UL Listed, Fire Rated** at 1800°F for 1 hour, and carries the **UL S label**.

Our Automatic Fire Curtains are rigorously tested and comply with all building code standards allowing their incorporation in designs worldwide. Our unique **smoke and fire rated** material can protect elevators, and also offer complementary solutions such as **Occupant Evacuation Elevators** and **Areas of Refuge**, if required.

Under normal conditions the Elevator Shield™ is retracted in a steel head box hidden in the ceiling above the elevator. Upon receipt of a signal from the fire alarm system, or should there be loss of communication, the system descends by gravity. Thus deployment is **Gravity Fail Safe** and does not require battery-backup to descend. Steel side guides mounted within the elevator frame, guide the curtain's **controlled rate of descent**. Incorporation of the side guides ensures mechanical attachment to the elevator hoist way. This **secure attachment** prevents smoke leakage and curtain displacement during extreme heat and pressure conditions. A manual retract Up-Button causes the curtain to temporarily lift, providing a **means for egress**.

Elevator Shield™ integrates with existing fire and alarm systems and provides Fail Safe Deployment. In the event the main power or the back-up generator fails, the Elevator Shield™ will operate independently and deploy the curtain.

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Options

Two Stage Descent – Upon activation of the fire alarm system the Elevator Shield™ is partially deployed (typically to 6' 8") for a specified period of time, followed by full deployment after the time elapses, to allow a ready means of egress.

Remote Key Switch – Elevator Shield™ will deploy upon receipt of an active fire alarm. The remote key switch provides the ability to retract the curtain for re-set, testing, and maintenance.

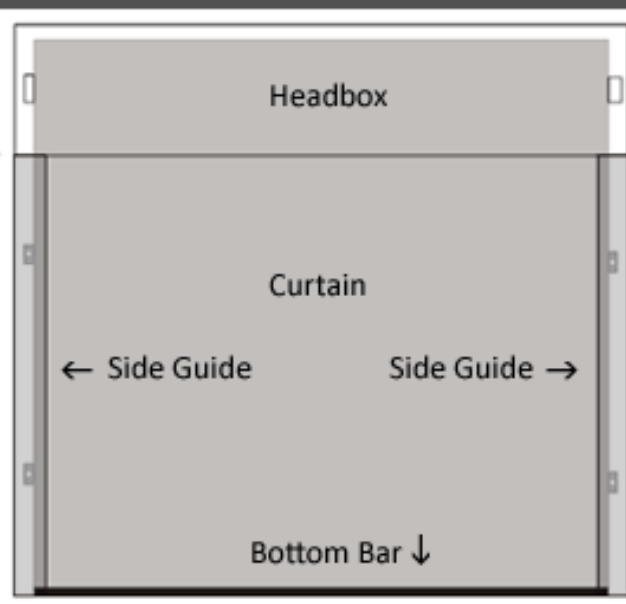
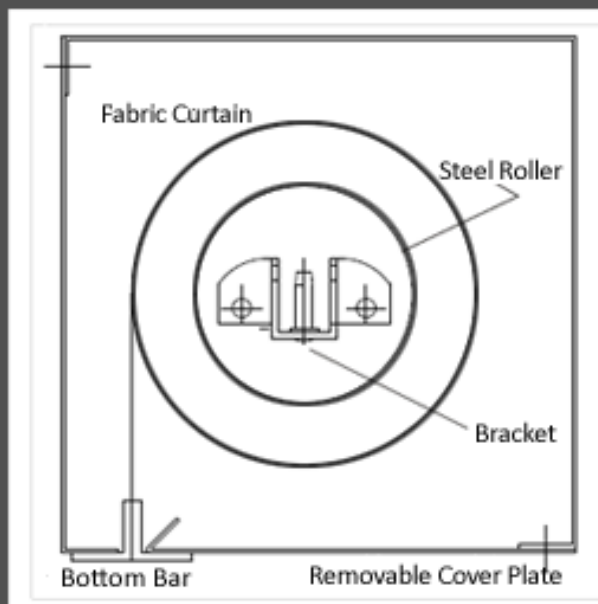
Audible and/or Visible Alerts– Upon activation of Elevator Shield™ audible and visible alarms can be triggered to notify those in the proximity that the Elevator Shield™ is descending.

Specifications

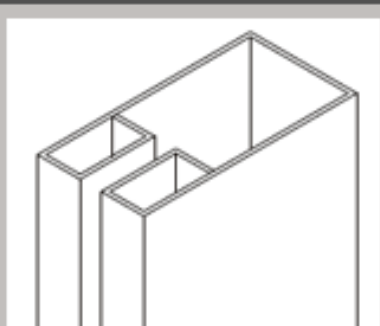
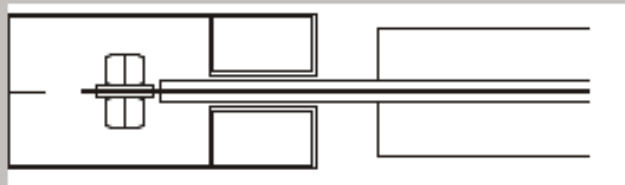
UL Listings*:	<ul style="list-style-type: none"> Per UL10D, Fire Protective Curtains (in accordance with the standard-time temperature curve of ANSI/ASTM E119) Per UL1784, Air Leakage Tests of Door Assemblies, S Label Per UL864, Control Units for Fire Alarms
Weight:	3.5 pounds per linear foot (typical)
Descent Rate:	6" per second (typical)

* US Smoke & Fire Curtain is the exclusive distributor of Bradley Lomas Electrolok fire curtain applications in the United States. The Elevator Shield incorporates the UL Listed FC 60 (1 hour fire rating) or FC240 (2 hour fire rating) BLE technology, patent pending.

The housing for the roller is available in 3 configurations to meet your design and retrofit needs.



Side Guide Top View



Our unique steel side guides ensure curtains stay in place when heat and fire will cause other products to deflect.

Version 5.1