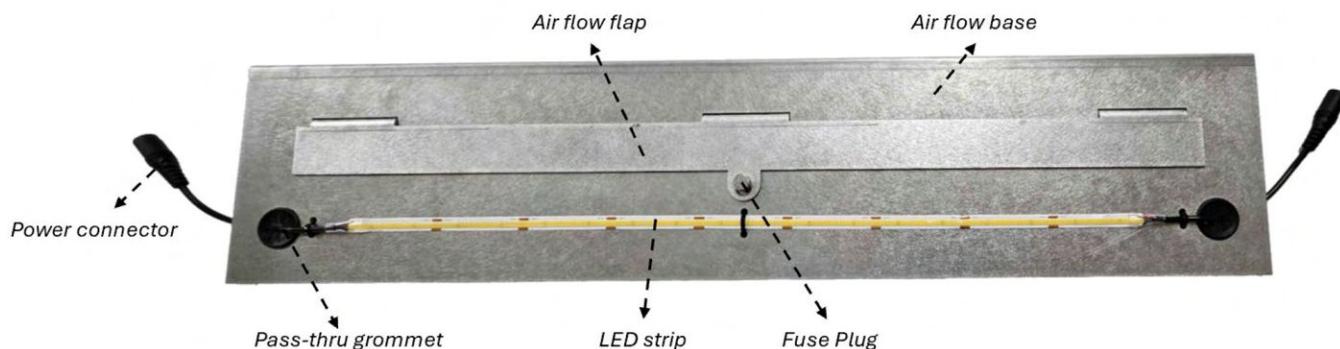


FOR COLD AISLE INSTALLATIONS ONLY

The Air Flow Flap (AFF) is a stand-alone component sold with Subzero Engineering's Dissolvable Air Barrier (DAB) panels. The AFF replaces the Firewire and lighting solutions which were included with the v1.0 DAB panels.

The AFF is placed in-line with the DAB panels, providing both enhanced air flow and lighting. All AFF's come with lighting installed but it is not necessary for the lighting to be active for the panel to provide air flow capabilities.

The AFF panels, when used for lighting, can be connected in chains of up to 10 panels to providing lighting in one or more aisles. CRD also sells power supplies, switches, and cabling to support lighting activation. The AFF is now sold separately and can be placed in-line with DAB panels in cold aisle containments deployments.



FEATURES

- Fire-activated incremental air flow for faster activation of overhead sprinkler systems.
- Direct LED lighting for increased visibility and reduced power demand.
- Ten (10) AFF panels can be chained to a single power supply, which can be connected to a 110v wall or C13 rack outlet.
- AFF can be repurposed when aisle configurations are modified.
- Require no special tools to install or repurpose.

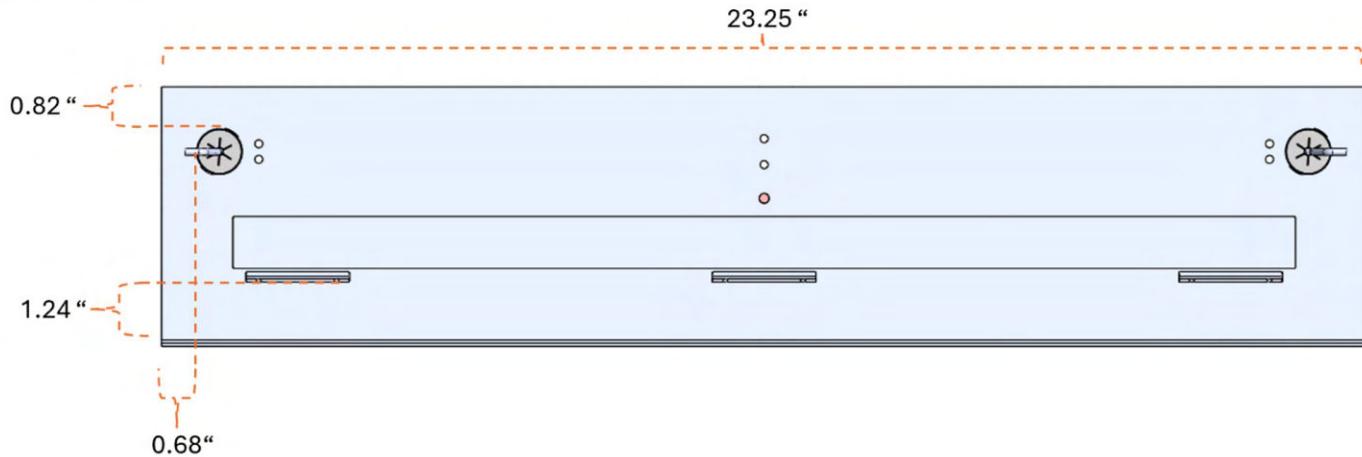
MATERIAL AND LIGHTING SPECIFICATIONS

- AFF is activated by 165F fusible threaded solder plug. The plug is vibration resistant and made of Brass Alloy 260. Manufactured by Elsie Manufacturing. UL33 certified.
- AFF is made of brushed 6063 Aluminum, 1/16 inch thick (0.0625 in, 1.59 mm)
- AFF should be installed every 6-8 feet along the length of the row.
- Lighting is provided by a 24v LED lighting strip.
 - 5w power consumption per panel.
 - Color: White 6500K
 - Brightness: 1050L/m²
 - UL Certified: 20160721-E485696
 - DC female connector on both ends, 5.5x2.1mm connector

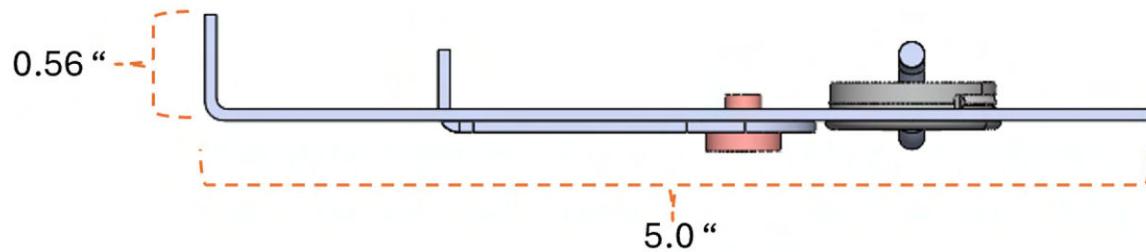
MECHANICAL SPECIFICATIONS

- The Air Flow Flap (AFF) is approximately 24 inches long, 5 inches wide and 1/2 inch high.
- The AFF weighs 12.7 ounces (0.8 lbs, 0.36 kilograms)
- The fuse plug will melt off at 165F allowing the flap to open and air to vent from the aisle into the space above.
- The flap will NOT fall out of the AFF as the hinges have been slightly expanded to exceed the slot size.
- A minimum of 0.5 inch clearance has been provided around the edge of the AFF to allow for adhesive tape, should it be required.
- The AFF should be mounted with the light strip and sticker facing the floor.

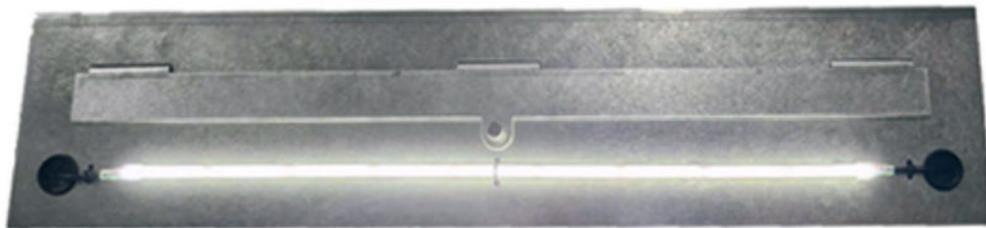
Bottom view



Cross section



AFF WITH LIGHT ACTIVATED



AFF WITH FLAP ACTIVATED



INSTALLATION RECOMMENDATIONS

AFF panels need to be installed every 6-8 feet in every aisle.

Depending upon the aisle width and orientation, the AFF panel can be installed in various configurations.

Typically, a full DAB panel is cut down by 5 inches in length to accommodate the placement of the AFF panel. The new DAB panels, being constructed entirely of paper, can be cut easily with scissors and recapped to make room for an AFF panel.

While the examples on the right are suggested installation patterns, installers should feel free to cut the panels in any configuration to support lighting needs.

