



Specification Sheet

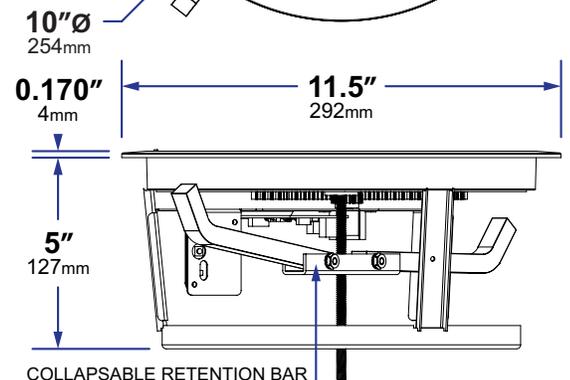
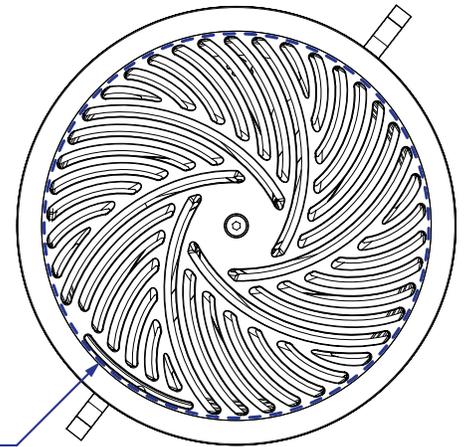
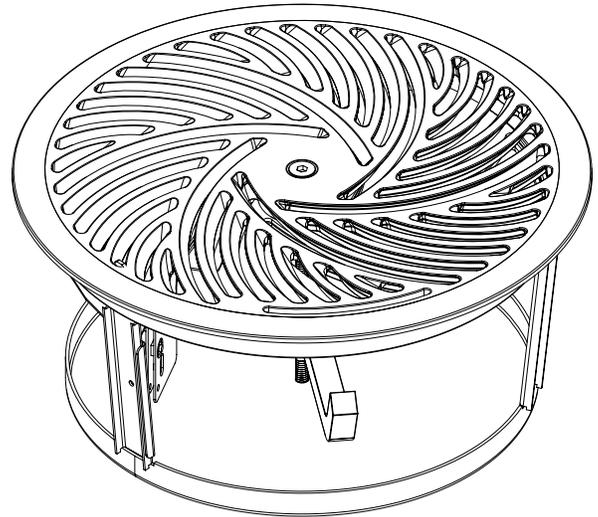
Élan-10R-360-DV Drop-In Underfloor Air Terminal (Variable Volume)

Description

Élan-10R-360-DV (Thermostatically Controlled VAV Personal Comfort Diffuser) is a variable volume air terminal for use in raised floor air systems. It features an 18 gauge (1.3mm) galvanized steel catch pan assembly, with all interior features pre-painted flat black.

The nominal 10" (254mm) diameter cast aluminum grille produces 360 degree omni-directional mixing air flow. An additional manually adjustable sliding damper allows occupants to limit maximum air flow. Ten (10) standard powder coat colors are available; custom colors and finishes can be provided to match architectural design (specify on order).

The Élan-10R-360-DV works with thermostatic control to vary total air delivered to a conditioned space in response to a 0–10V cooling signal. The damper is rated for 24VAC operation; up to fourteen (14) units are supported in chain by a single 95VA power module.



Features

- VAV damper designed for ultra low power consumption
- Fully motorized diffuser plate moves in response to changes in temperature
- User-controlled manual damper for true personal comfort, independent of thermostatic control
- Connect up to 14 diffusers to a single 95VA power module
- One (1) 25' (7.6m) plug and play cable included
- Parts and labor warranty covers 5 years of operation in a standard office application
- Ships fully assembled; quick, easy & efficient installation

ALL DIMENSIONS NOMINAL +/- 0.1" (2.5mm)



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Alternate Diffuser Configurations



Uni-Directional Desktop Mixing
(Élan-04R-180)



Uni-Directional Displacement
(Élan-06R-180)



Uni-Directional Mixing
(Élan-08R-180)



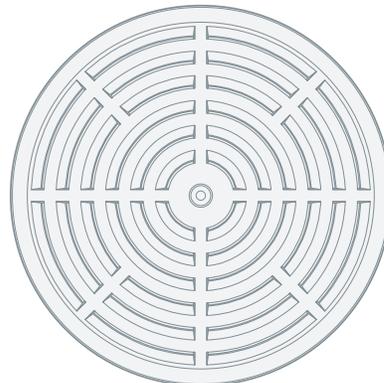
Omni-Directional Mixing
(Élan-08R-360)



Omni-Directional Mixing
(Élan-08R-720)



Omni-Directional Displacement
(PDD-08R)



Omni-Directional 10" Displacement
(PDD-10R)

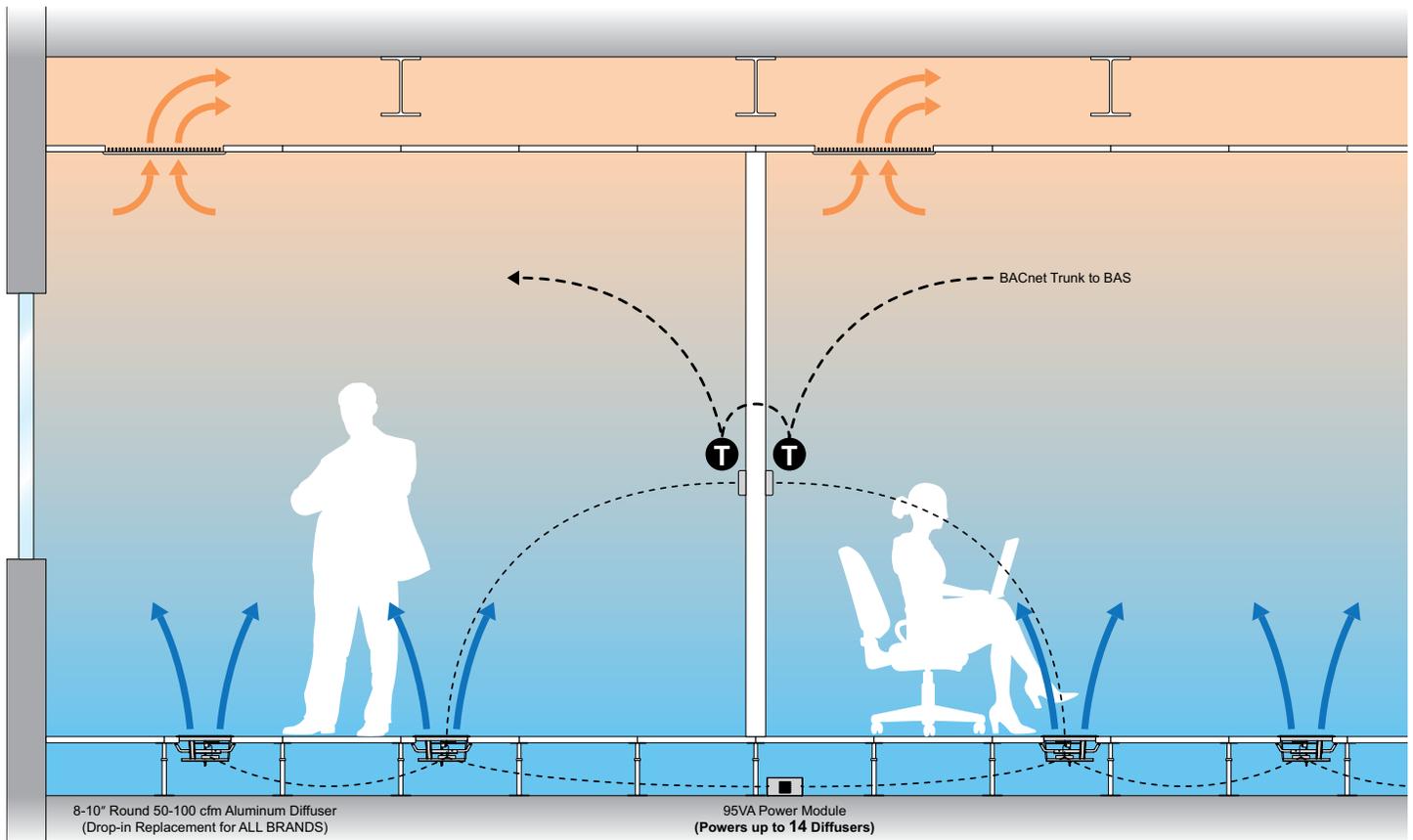


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Example System Layout

Cooling-Only with Wired Controls and Power



Specifications

| | |
|-------------------------------|--|
| Application: | Drop-In Underfloor VAV Cooling Raised Access Floor Systems 6" (152mm) + |
| Grille Dimensions: | Diffuser Opening: 10"Ø (254mm) Full Face: 11.5"Ø (292mm) |
| Diameter (Nominal) | Installation Cut-Out: 10.9"Ø [+.125/-0.00] (277mm [+3.175/-0.00]) |
| Grille Rating: | Cast Aluminum Conforms to NFPA 90a 1250 lbs. (567 Kg) Load Strength |
| Supply Press. / Temp.: | 0.02–0.1 in. w.c. (5–25 Pa) 40–140°F (4–60°C) |
| Capacity: | Maximum: 100 cfm @ 0.05 in. w.c. (170 m ³ /hr @ 12.5 Pa) |
| (Nominal) | Minimum (Damper Closed): 8 cfm @ 0.05 in. w.c. (14 m ³ /hr @ 12.5 Pa) |
| Noise Criterion: | ≤ NC-17 (All Flow Conditions) |