

Radian® Suggested Specification:

Adjustable air pattern diffusers for critical air diffusion applications shall be Tuttle and Bailey model Radian®. Diffusers shall provide a non-aspirating, low velocity displacement within the space. Installed units shall provide a flush line with the ceiling system. Non-flush face diffusers are not acceptable.

The diffuser face assembly shall feature engineered adjustable sets of longitudinal louvers and perforated sheet metal, oriented and proportioned in a manner to provide the desired air flow pattern. The perforated sheet metal shall consist of 5/32" diameter holes on 1/4" centers on 24"x24" module units and 3/16" diameter holes on 1/4" centers on 48"x24" module units.

The diffuser face assembly shall be removable with common tools. It must be hinged on one side and secured in place with quarter turn fasteners on the opposing side. The diffuser backpan assembly shall be fabricated as a fully assembled single unit, consisting of the backpan and an integral diffusion baffle specifically designed for each size.

The Finish shall be Tuttle & Bailey White (WH) Powder Coat or Mill finish.

The manufacturer shall provide engineering data based upon tests conducted in accordance with ASHRAE Standard 70-1991.