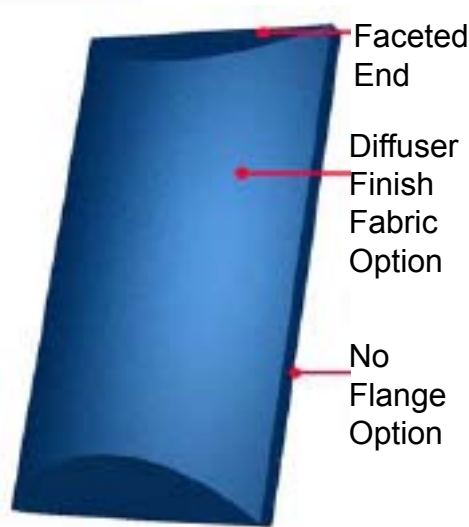
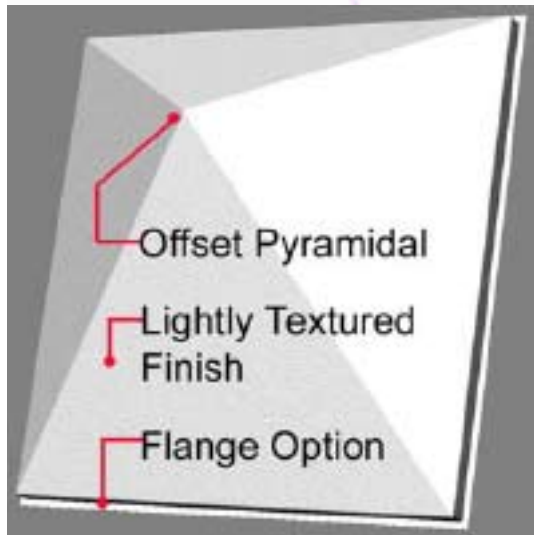




Diffusers, Barrel and Pyramidal



Descriptions and Uses

ISC Diffusers are designed for use in performance areas, auditoriums and other facilities requiring enhanced quality and acoustical performance. ISC Diffusers scatter and blend sounds for a broad range of frequencies and improve the quality of music environments.

By reflecting and absorbing sounds, diffusers blend the sound field in a room resulting in a more pleasant listening experience. Various sizes of barrel and pyramidal diffusers are available to meet the most demanding project needs. These rugged and easy to install diffusers are supplied with hardware for either wall or ceiling applications.

Composition

Diffusers are constructed of 0.125" thermoformed fire resistant plastic, and are molded to a one-piece barrel or a special offset pyramidal shape. The surface is white and lightly textured, or, fabric can be applied directly to the face forming a full finished edge with tailored corners. The internal portion can be lined with 1-1/2" thick layer of glass fiber batts to enhance sound absorption.

Availability

ISC Diffusers are offered in a white lemon peel texture, or are available with fabric coverings. Contact ISC for available fabrics and colors.

Type	Nominal Size
Pyramidal	2' x 2'
	2' x 4'
	4' x 4'
Barrel	2' x 2'
	2' x 4'
	3' x 3'
	4' x 2'
	4' x 3'
	4' x 4'
	4' x 8'
	6' x 3'
	6' x 4'
8' x 4'	

Barrel diffusers normally have faceted ends; alternately, long dimension facets can be specified in all sizes. Custom shapes and sizes are available upon request.

Physical Property Data

Surface burning characteristics:

Components have been tested in accordance with ASTM E84* and determined to have a Class I/A rating.

Noise Reduction Coefficient

The NRC value for each product was determined in conformance with Test method ASTM C 423, using the D5 mounthing (5mm airspace):

Pyramidal 4'X4' Thermoformed	NRC .10
Barrel 4'X4' Thermoformed	NRC .10

Data is also available upon request for fabric covered, insulated interior and other mounting configurations.

Mounting

Wall Diffusers, which have a straight edge, mount using a combination of L-angles and hook and loop fasteners. Ceiling Diffusers normally come in a flanged configuration to fit standard-sized ceiling grid. Optionally, Ceiling Diffusers can be supplied with straight edge and L-angles for direct mounting to solid surfaces.

Warranty

1 year limited warranty against manufacturing defects

*The ASTM E 84 standard should be used to measure and describe the properties of materials, products or assemblies in response to heat and flame under controlled laboratory conditions and should not be used to describe or appraise the fire hazard or fire risk of materials, products, or assemblies under actual fire conditions. However, results of this test may be used as elements of a fire risk assessment which takes into account all of the factors which are pertinent to an assessment of fire hazard of a particular end use. Values are reported to the nearest 5 rating.