

FreeSpace® DS 16F Flush-Mount Loudspeaker



Bose® performance and value for business music systems.



The Bose FreeSpace DS 16F loudspeaker helps create an inviting atmosphere for customers by reproducing music with notable presence and detail.

The FreeSpace DS 16F loudspeaker's performance and value make it well-suited for background music and speech reproduction in a wide range of commercial applications, including retail, restaurant and hospitality establishments.

The loudspeaker's sleek, contemporary styling visually blends into ceilings. This 16-watt loudspeaker easily can be flush-mounted in ceilings and is suitable for use in air handling (plenum) spaces when used with an accessory plenum cover (PC-16). The loudspeaker also can be suspended from open ceilings with an accessory pendant-mount kit.

The DS 16F loudspeaker meets numerous standards for combination music and evacuation systems around the world.

Designed for business music applications.

- > Enhance your customers' experience with premium Bose sound.
- > Clean, sleek styling visually blends into ceilings.
- > Each model is available in black or white and can be painted.
- > Quickly and easily set taps with a simple turn of an innovative thumb wheel, accessible under the grille.
- > Versatile for 8Ω or high-impedance use with a built-in multi-tap transformer.
- > Provides tap settings for 1W, 2W, 4W, 8W, 16W for 70V use; and 2W, 4W, 8W, 16W for 100V use.
- > Flush- or pendant-mount in ceilings.
- > Integrated mounting hardware allows for fast and easy installation.
- > Suitable for use in air handling (plenum) spaces when used with accessory plenum cover (PC-16).

- > Acoustically compatible with the FreeSpace DS 16S (indoor) and DS 16SE (outdoor) surface-mount loudspeakers and can be combined on the same loudspeaker line.
- > Can be combined with FreeSpace 3 Acoustimass® module for extended bass response.
- > Performance can be maximized by using the recommended loudspeaker equalization resident in select Bose electronics. The loudspeaker can be used out of the box with an 80-Hz high-pass filter when recommended loudspeaker equalization is not used.
- > Meets numerous standards for combination music and evacuation systems.
- > Engineered and tested for demanding business environments and backed by a five-year transferable limited warranty.

Bose Professional Systems Division

Design | Performance | Support

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Specifications

Driver complement:

One 2.25" (57mm) full-range driver

Maximum acoustic output (pink noise):

96 dB-SPL @ 1m

102 dB-SPL (peak) @ 1m

Impedance:

8Ω (transformer bypass)

Long-term power handling:

16W

Sensitivity (pink noise):

84 dB-SPL, 1W @ 1m

Frequency range (-3 dB):

90 Hz to 16 kHz

Beamwidth (-6 dB point, average 1 – 4 kHz):

140° conical

Construction features:

Enclosure: Injection-molded PC/ABS rated at UL94 5VA

Grille: Powder-coated steel

Finish:

Textured black or white finish with a contoured, powder-coated steel grille. Both the enclosure and grille can be painted.

Connectors:

Three-terminal barrier strip with a pre-wired ceramic connector.

Color:

Black or white, paintable

Dimensions:

Outer flange diameter: 9.4" (239mm)

Ceiling hole diameter: 8" (203mm)

Height to top of housing: 6.2" (158mm)

Weight:

Product: 4.4lb (2.0kg)

Shipping: 6lb (2.7kg)

For more information:

pro.bose.com

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