

FreeSpace FS2C

in-ceiling loudspeaker

Product Overview

FreeSpace FS loudspeakers are designed for high-quality performance in background music and voice announcement applications. Redesigned enclosures and aesthetics, removeable logos, metal backcans on ceiling-mount models, and ease-of-installation features mean that this update to the classic FreeSpace DS line is ideal for installations in almost any commercial space.

The ceiling-mount FS2C features a full-range 2.25-inch cone transducer, low frequency range down to 85 Hz, 16-ohm and 70/100 V operation, with front baffle-mounted tap settings, and front baffle audio connections on a detachable Euroblock connector.



Key Features

High-quality loudspeaker solutions for voice and background music

Updated enclosures and removeable logos that do not leave grille marks or holes

Low-impedance and high-impedance operation without separate model versions

Consistent tonality throughout the line means mixing and matching models in the same installation

UL1480 ULC-S541 Life Safety Fire Alarm and Signaling listed

Black and White versions of all models

Designed for in-ceiling installation with UL2043 plenum rated backcan and front baffle audio wiring access

Compact enclosure design featuring an 18.3 cm (7.2-in) baffle diameter and a metal 12.5 cm (4.9-in) backcan

Technical Specifications

SINGLE LOUDSPEAKER PERFORMANCE		
Frequency Response (-3 dB) ⁽¹⁾	95 - 18,000 Hz	
Frequency Range (-10 dB) ⁽¹⁾	85 - 19,000 Hz	
Nominal Coverage Angle ⁽²⁾	180°	
Nominal Coverage (1 - 10 kHz)	165°	
	Bose extended-lifecycle test ⁽⁵⁾	AES transducer test ⁽⁶⁾
Power Handling, long-term continuous	16 W	20 W
Power Handling, peak	64 W	80 W
Sensitivity (SPL/1W @ 1 m) ⁽³⁾	84 dB	84 dB
Calculated Maximum SPL @ 1 m ⁽⁴⁾	96 dB	97 dB
Calculated Maximum SPL @ 1 m, peak	102 dB	103 dB
Loudspeaker EQ	Not Required, Bose EQ Voicing and SmartBass available	
Recommended High-Pass Protection	85 Hz with minimum 24-dB/octave filter	
Transformer taps	70V: 1, 2, 4, 8, 16 W, bypass 100V: 2, 4, 8, 16 W, bypass	
TRANSDUCERS		
Full-Range Driver	1 x 2.25-inch woofer (57 mm)	
Nominal Impedance	16 ohms (transformer bypass)	

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PHYSICAL	
Enclosure Material	Engineered-plastics front baffle with integrated steel formed back can
Grille	Perforated steel, powder-coated finish
Logo	Rotatable, removable
Color	Black: similar to Ral 9005, White: similar to Ral 9003
Environmental	Indoor only
Safety Agency	Certification: UL 1480, ULC-S541 for Fire Alarm and Signaling Systems Installation: NFPA 70, NFPA 72, CSA C22.1 Section 32, in accordance with IEC60268-5, CE RoHS
Operating Temperature Range	0 °C to 50 °C (32 °F to 122 °F)
Connectors	Euro block 6-pin connector with loop-through, front-baffle mounted Accepts 18 AWG (0.8 mm ²) to 14 AWG (2.5 mm ²) size wire
Wire/Conduit Entry	Top and side wire entry point 1/2-inch knockouts allow for 9.5 mm (3/8 in) conduit and fittings
Suspension/Mounting	Two (2) standard mounting arms plus one (1) safety cable tab
Maximum Ceiling Thickness	38 mm (1.5 in)
Product Dimensions (Baffle Diameter × Depth)	183 × 132 mm (7.2 × 5.2 in)
Backcan Dimensions (Diameter × Depth)	155 × 125 mm (6.10 × 4.92 in)
Ceiling Cutout	165 mm (6.5 in)
Net Weight	1.63 kg (3.6 lb)
Shipping Weight, Pair	4.4 kg (9.7 lb)
Included Accessories	Each FS2C includes one (1) cut-out template per box
Optional Accessories	Adjustable Tile-Bridge 6-Pack, DesignMax DM2CRI Rough-in kit 6-pack, Retrofit Kit, Ceramic terminal w/ Fuse kit
PRODUCT CODES	
841154-0110	FREESPACE FS2C PAIR BLK
841154-0210	FREESPACE FS2C PAIR WHT

Footnotes

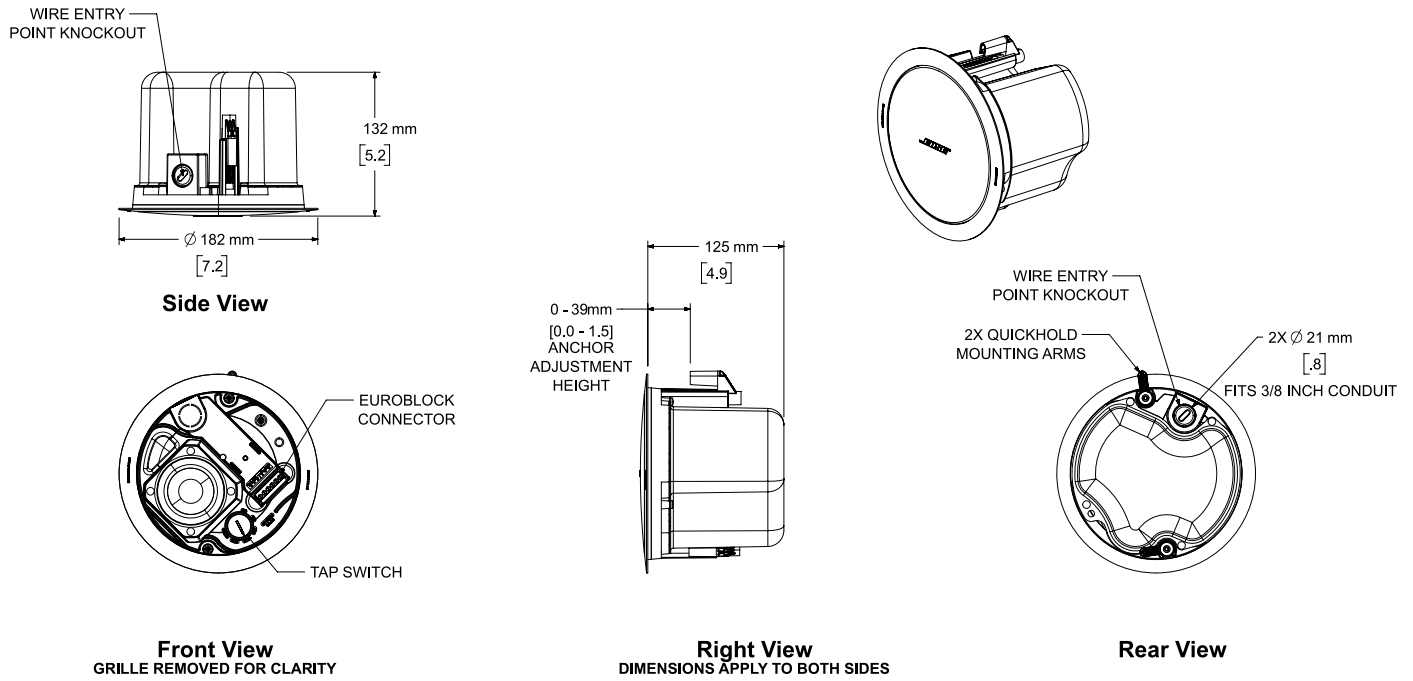
- (1) Frequency response and range measured on-axis in half-space environment with recommended EQ
- (2) 1 kHz to 4 kHz average
- (3) Sensitivity measured on-axis in half-space environment with recommended EQ
- (4) Maximum SPL calculated from sensitivity and power handling specifications, exclusive of power compression
- (5) Bose extended-lifecycle test using pink noise filtered to meet IEC268-5, 6-dB crest factor, 500-hour duration
- (6) AES standard 2-hour duration with IEC system noise

For additional specifications and application information, please visit PRO.BOSE.COM.
Specifications subject to change without notice. 01/2020

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Dimensions



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