

SF 3PT

SOUNDFIELD PENDANT SPEAKER



The Extron SF 3PT is a pendant loudspeaker for speech reinforcement and music playback in open-ceiling applications. With its clean lines, the SF 3PT easily blends in with contemporary pendant lighting. The included Extron exclusive PendantConnect™ speaker cable completes an integrator-friendly solution, with a steel safety cable invisibly bundled inside for a finished installation that is clean and secure.

- ▶ 3" full-range driver
- ▶ Frequency Range: 110 Hz to 20 kHz
- ▶ 8 ohm direct or 70/100 volt operation
- ▶ 116° conical dispersion
- ▶ 16 watts continuous pink noise
32 watts continuous program
- ▶ Architecturally clean, patent pending design using Extron's exclusive PendantConnect™ speaker cable

DESCRIPTION

The Extron **SF 3PT** is a pendant loudspeaker with a 3" full-range driver for speech reinforcement and music playback in high-ceiling and open-ceiling applications. Taking inspiration from modern pendant lighting, the SF 3PT offers an architecturally clean, patent pending design that complements the aesthetic of contemporary interiors. The SF 3PT is available in black or white and is paintable to fit in with any décor. Included with the SF 3PT is Extron's exclusive PendantConnect™ speaker cable that combines the speaker wires and a steel safety cable within a single outer jacket, providing for a finished installation that is clean and secure. The UL listed SF 3PT offers both direct 8 ohm and 70/100 volt operation and is voiced similarly to the Extron SF 3CT LP for consistency and installation flexibility in mixed ceiling environments.

The 3" (76 mm) full-range driver provides a wide and smooth frequency range of 110 Hz to 20 kHz. The design reduces beaming of mid and high frequencies directly under the speaker for excellent voice clarity. A power rating of 32 watts continuous program also gives this speaker plenty of headroom for music reproduction.

The Pendant Speaker That Blends In

With the SF 3PT, Extron designers took the pendant speaker concept in a new direction. The simple enclosure of the SF 3PT, with its clean lines, blends into the background alongside contemporary pendant lighting fixtures. This addresses the common requirement that installed speakers be invisible or architecturally complementary, without requiring modifications to existing structure.

Integrator-Friendly Installation

The SF 3PT pendant speaker comes with everything needed for a finished installation, including 20 feet (6.1 m) of PendantConnect speaker cable, an Extron exclusive hybrid cable design incorporating the speaker wires and a steel safety cable into a single outer jacket, for a clean installation with only a single visible cable. Like the speaker itself, PendantConnect speaker cable is paintable.

To ease the process of wiring a pendant speaker in place by a single installer, the SF 3PT can be suspended from a ladder, or other temporary point, in the included protective bag while connections to the speaker and ceiling electrical box are made. Once installed, and the workplace is clear, the protective bag can be removed.

Voicing Consistency

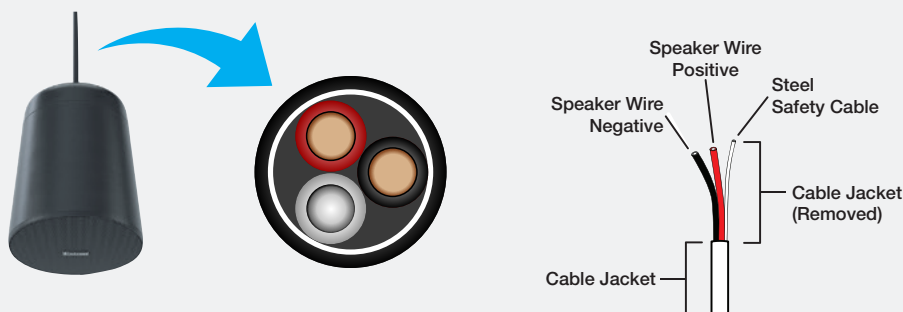
The SF 3PT is voiced consistently with the Extron SF 3CT LP and SF 3C LP ceiling speakers to ensure smooth sonic transitions in applications when the listener moves between drop-ceiling and open-ceiling areas.

KEY FEATURES

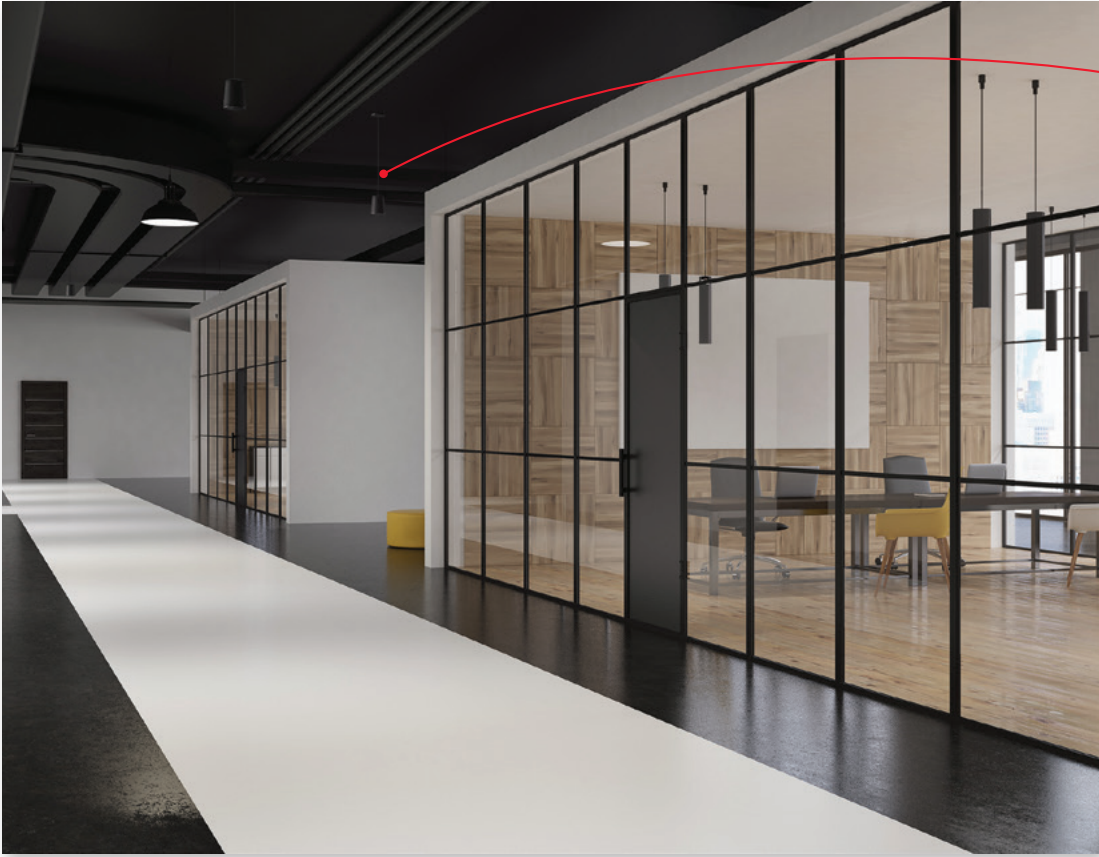
- ▶ **3" (76 mm) full-range driver**
- ▶ **Frequency range: 110 Hz to 20 kHz**
- ▶ **8 ohm direct or 70/100 volt operation:**
 - 8 ohm direct
 - 70 volt: 16, 8, 4, 2, and 1 watt selectable
 - 100 volt: 16, 8, 4, and 2 watt selectable
- ▶ **116° conical dispersion**
- ▶ **16 watts continuous pink noise**
32 watts continuous program
- ▶ **Architecturally clean, patent pending design using Extron exclusive PendantConnect speaker cable**
- ▶ **Similar voicing to the Extron SF 3CT LP and SF 3C LP ceiling speakers**
- ▶ **Available in black or white and is paintable to fit in with any décor**
- ▶ **UL 1480A listed for safety**
- ▶ **Optional 20 foot (6.1 m) length of PendantConnect speaker cable**
- ▶ **Optional 500 foot (152 m) spool of PendantConnect speaker cable**
- ▶ **5-year parts and labor warranty**

PENDANTCONNECT CABLE

The Extron exclusive PendantConnect cable simplifies the installation process by eliminating the need for a separate safety cable, which also eliminates the visual clutter caused by separate speaker and safety cables. PendantConnect cable achieves this by bundling the two speaker conductors and a steel support cable into a single harness surrounded by an extra-strength jacket that acts as the primary support.



ARCHITECTURALLY DISCREET



SPECIFICATIONS

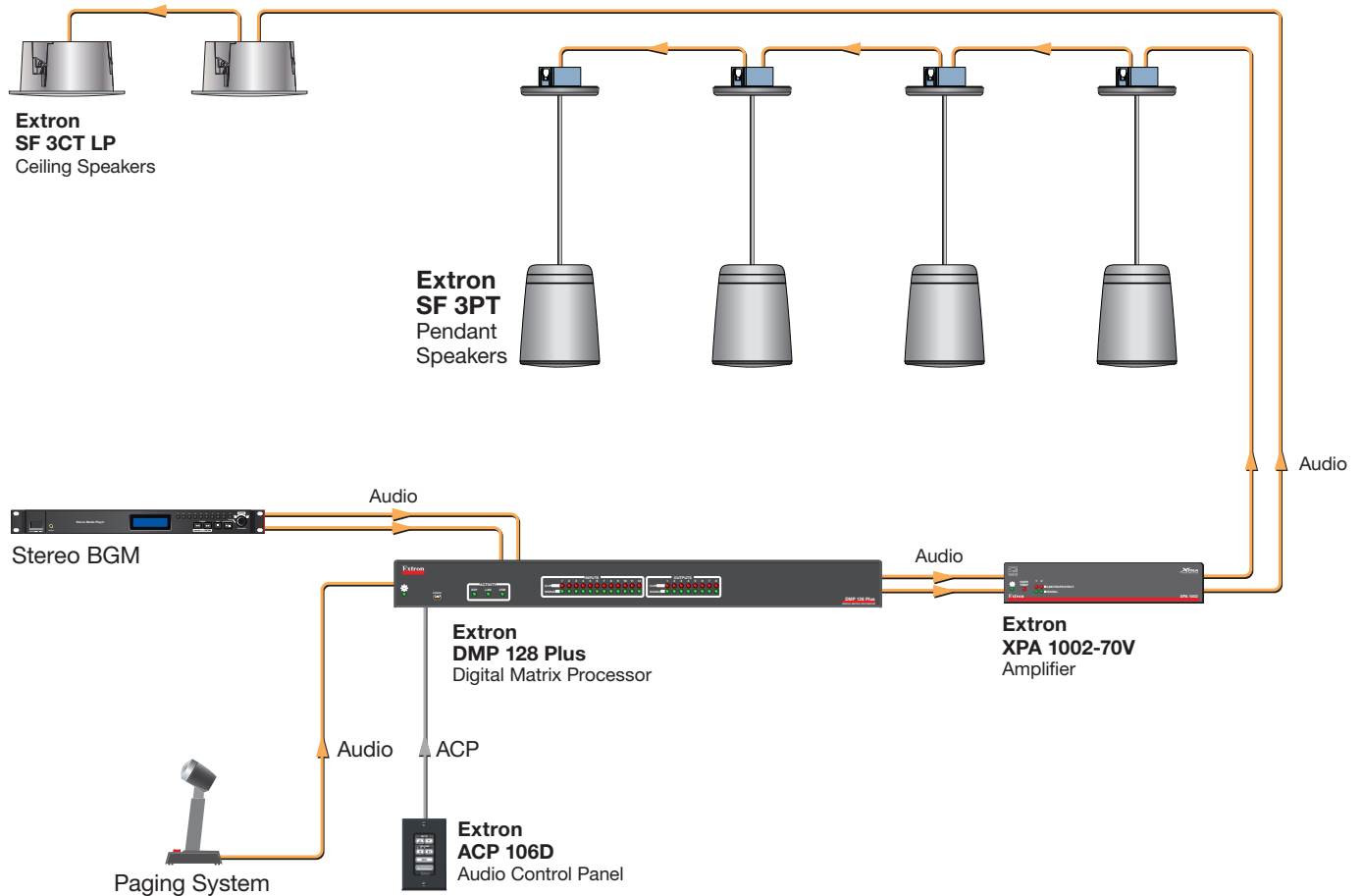
AUDIO/ACOUSTIC AND ELECTRICAL	
Speaker type	Pendant speaker with plastic enclosure
Frequency range	110 Hz to 20 kHz, -10 dB, full space (per IEC 60268-5)
Power capacity	16 W (rms) continuous pink noise (per IEC 60268-5) 32 W (rms) continuous program
Rated maximum input voltage (MIV)	10 V (12.5 W at 8 ohms) (per AES2-2012)
Maximum SPL	92 dB, 1 m (based on measured MIV) 94 dB, 1 m (calculated)
Nominal sensitivity	82 dB SPL, 1 W, 1 m, full space
Nominal impedance	8 ohms per speaker
Nominal coverage angle	116° conical coverage (1 kHz to 4 kHz, weighted 2-4 kHz)
Rotary switch taps	70V: 16 W, 8 W, 4 W, 2 W, 1 W, 8 ohms direct 100 V: null, 16 W, 8 W, 4 W, 2 W, 8 ohms direct
Driver	(1) 3" (76 mm) paper cone
Overload protection	Full range power limiter
Input connector	(2) splicing connectors, 2 pole (2) splicing connectors, 3 pole, for 1 input and 1 loop-through
GENERAL	
Package	2 speakers (1 pair)
Included accessories	Setup guide, 2 mounting plates, 2 mounting plate covers, 2 2-pole splicing connectors, 2 3-pole splicing connectors, 20' (6.1 m) pendant cable
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing

Mounting		Ceiling hangable with included hardware
Enclosure type		
Enclosure materials		High-impact, fire-resistant (UL94V-0) plastic
Enclosure design		Plastic, tapered cylindrical
Grille material		Steel
Enclosure outer dimensions		6.83" H x 5.31" diameter (174 mm H x 135 mm diameter)
Product weight		2.7 lbs (1.2 kg) each 3.6 lbs (1.6 kg) with mounting plate/cover and 10' (3.1 m) of PendantConnect cable
Regulatory compliance		
Safety		CE, UL 1480A UL 1480A listed for commercial and professional audio systems
Environmental		RoHS, WEEE
Warranty		5 years parts and labor
NOTE: All nominal levels are at ±10%.		
Model	Version Description	Part number
SF 3PT	3" Full-Range Pendant Speaker Pair - Black	60-1736-02
SF 3PT	3" Full-Range Pendant Speaker Pair - White	60-1736-03
Optional Accessories		
PCC-1 18/20	PendantConnect™, SF 3PT, 20' (6.1 m) Black	26-722-20
PCC-1 18/20	PendantConnect™, SF 3PT, 20' (6.1 m) White	26-721-20
PCC-1 18/500	PendantConnect™, SF 3PT, 500' (152 m) Black	22-271-02
PCC-1 18/500	PendantConnect™, SF 3PT, 500' (152 m) White	22-270-02

For complete specifications, please go to www.extron.com
Specifications are subject to change without notice.

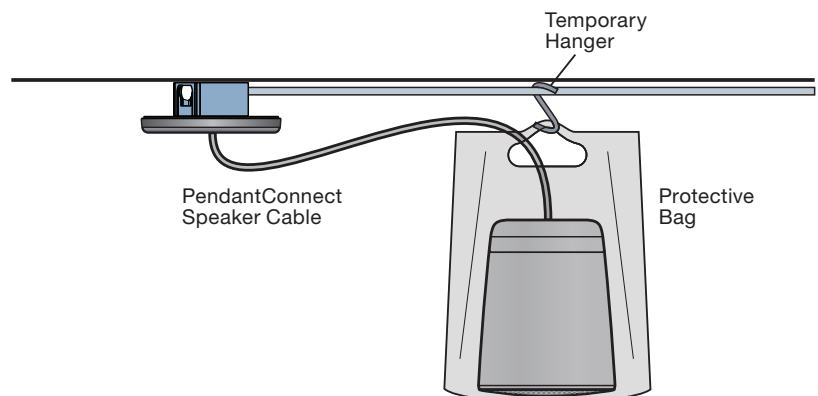
MIXED CEILING APPLICATIONS

Many interior spaces feature mixed ceiling heights with a low ceiling in one part of the room and a high, open ceiling in another part of the room. This can present sonic challenges in matching the two areas so that when a listener moves between them, the sound remains consistent. To solve this problem the Extron SF 3PT pendant speaker is voiced consistently with the SF 3CT LP and SF 3C LP ceiling speakers. While acoustic differences between the two ceiling heights will still require separate DSP settings, the starting point provided by consistently voiced speakers will reduce commissioning time.



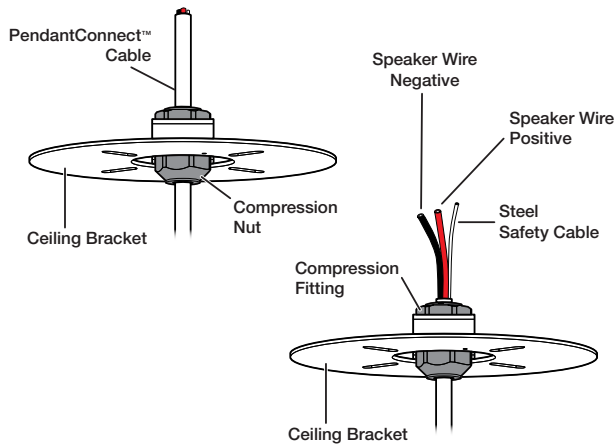
DESIGNED FOR THE INTEGRATOR

This illustration is an example of how the included protective bag can be used to temporarily suspend the SF 3PT during the installation process. This example shows the SF 3PT inside the protective bag, suspended from conduit by an S-hook. Any suitable suspension point and temporary hanger could be used, such as a ladder and tie wrap.

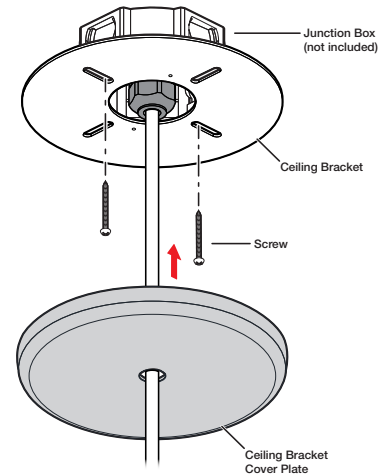


DESIGNED FOR THE INTEGRATOR

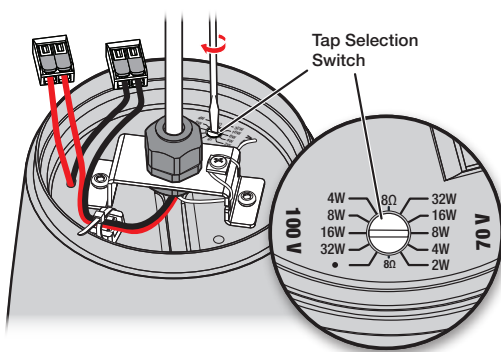
The process of installing a pendant speaker often leaves the integrator wishing for an extra arm while making connections. Then the installation environment leads to a speaker that needs cleaning. Extron solves these problems by including a protective bag, with integrated handles, that can be used to suspend the speaker during the installation process, leaving both the integrator's hands free. This also protects the speaker from finger smudges and site debris. Once installed, the bag is removed for a factory fresh finish.



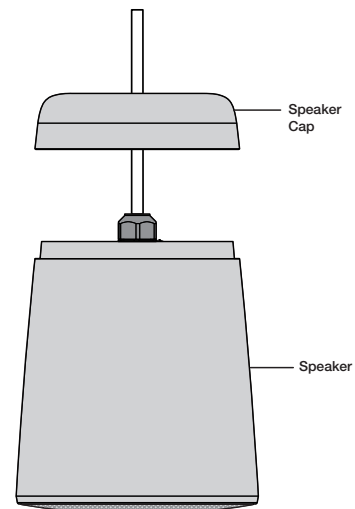
Attach PendantConnect™ Cable to Ceiling Bracket and Strip Cable



Mount Ceiling Bracket to Junction Box



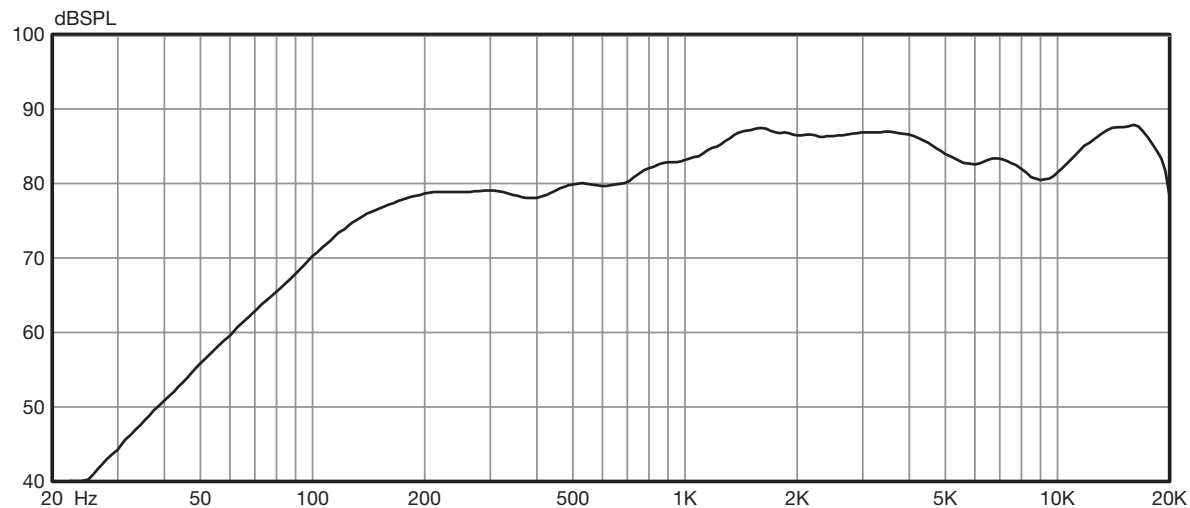
Attach PendantConnect™ Cable to Speaker and Make Tap Selection



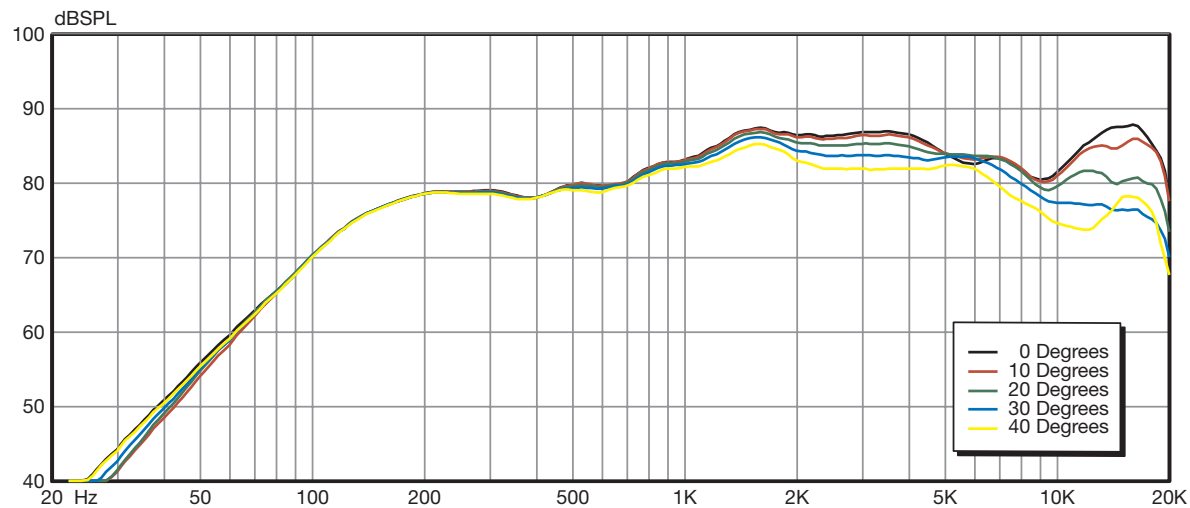
Slide Speaker Cap Onto Speaker

RESPONSE GRAPHS - FREQUENCY AND IMPEDANCE

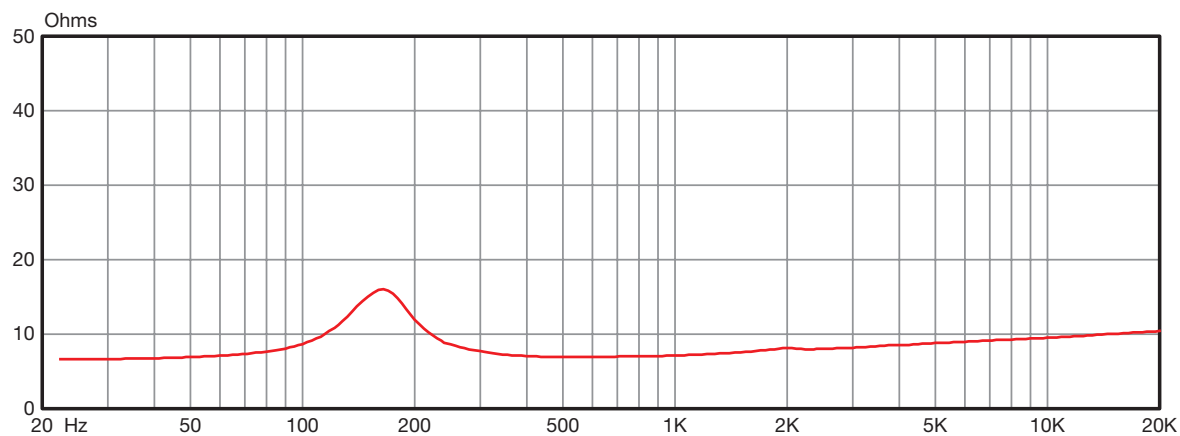
SPL VS. FREQUENCY - 1 WATT @ 1 METER RESPONSE, FULL SPACE (4π)



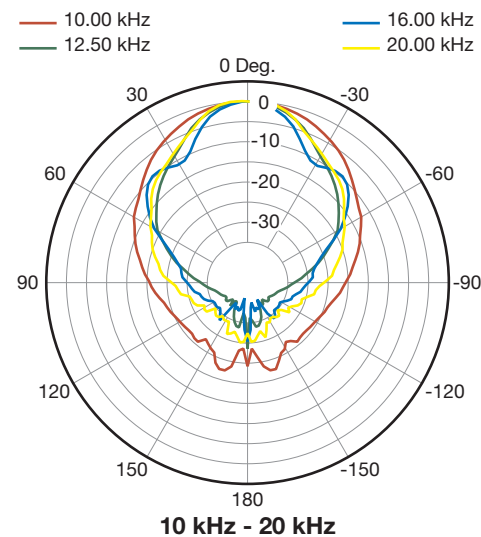
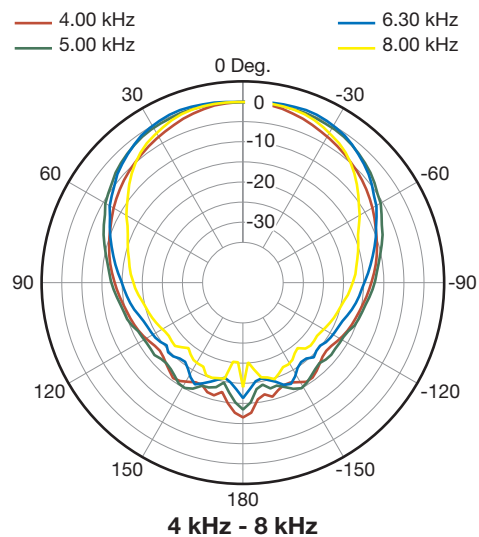
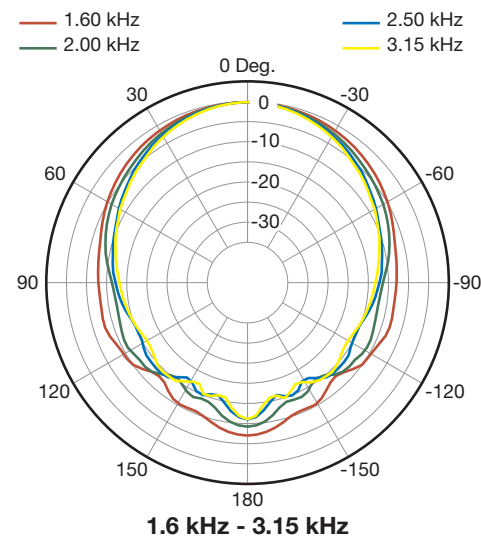
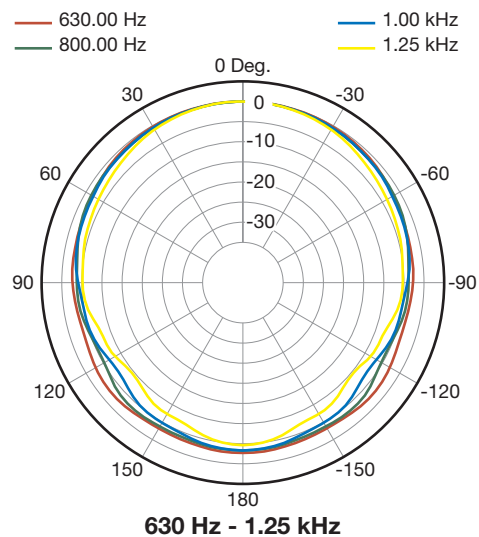
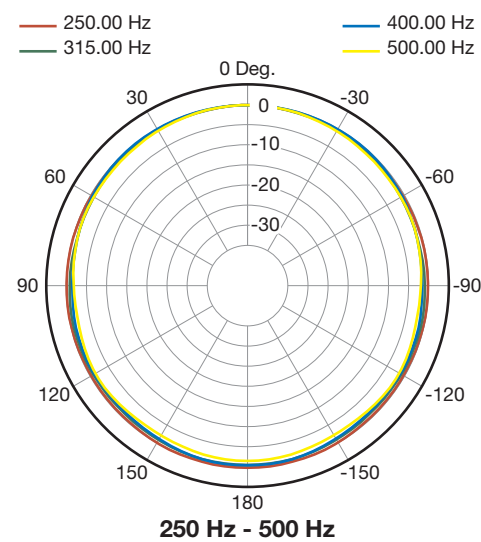
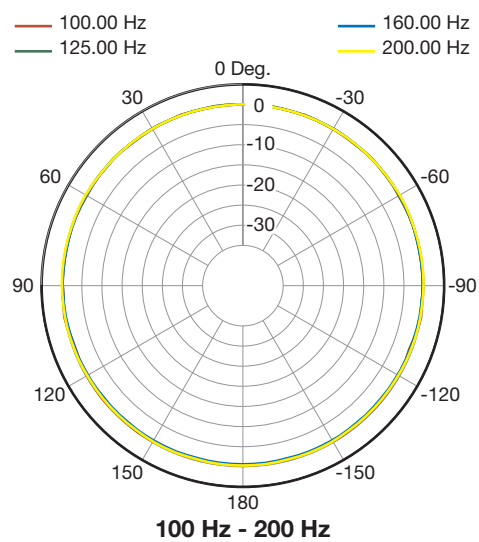
SPL VS. FREQUENCY - HORIZONTAL OFF-AXIS RESPONSE, FULL SPACE (4π)



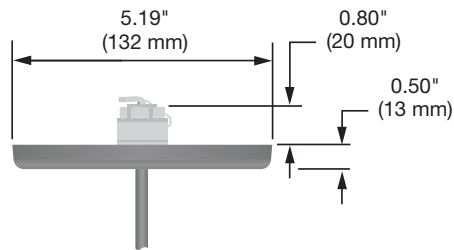
IMPEDANCE VS. FREQUENCY



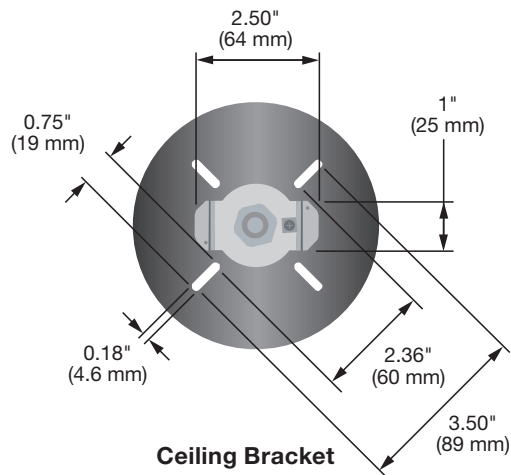
POLAR GRAPHS - 1/3 OCTAVE, HORIZONTAL



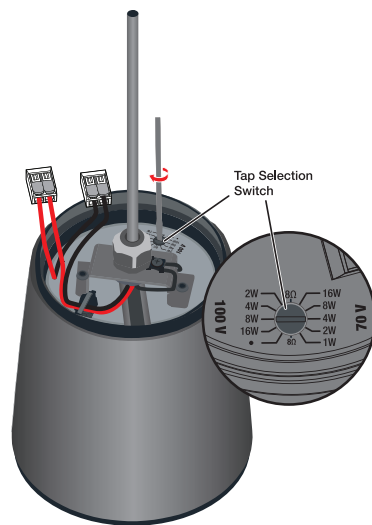
PANEL DRAWINGS



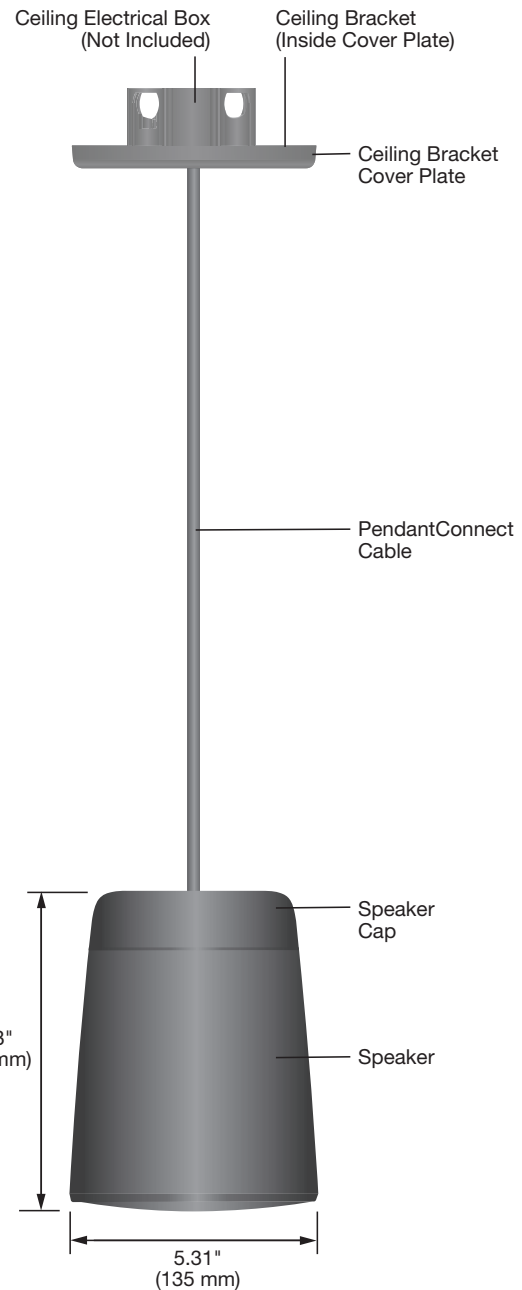
Ceiling Bracket With Cover Plate



Ceiling Bracket



Top View



Side View

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