The Ashby-5C self-powered, ceiling-mounted loudspeaker provides wide coverage and low distortion, even at high sound levels, for applications that require accurate music reproduction and intelligible voice. The Ashby-5C outperforms all in-ceiling loudspeakers of comparable size.

The Ashby-5C is engineered to the same award-winning standards as all Meyer Sound IntelligentDC loudspeakers. With on-board amplification with sophisticated signal processing, the Ashby-5C exhibits the flat frequency and phase response for which Meyer Sound loudspeakers are known.

The Ashby drivers are designed and manufactured at the Meyer Sound factory in Berkeley, California. The 0.75-in metal-dome tweeter is concentrically mounted over a 5-in cone driver in an innovative configuration that maximizes the surface of the wave guide.

With an incredibly smooth, consistent 100° coverage, fewer loudspeakers can cover a larger area, which reduces system cost while maintaining the highest sound quality.

The Ashby-5C requires an external MPS-488HP IntelligentDC power supply. The 19-in (1 RU) unit distributes DC power and balanced audio to Ashby loudspeakers or other Meyer Sound IntelligentDC loudspeakers. Composite multi-conductor cables (e.g., Belden® 1502) can deliver both DC power and balanced audio from a single Phoenix™ 5-pin male connector.

The MPS-488HP can power up to 24 Ashby-5Cs and can connect to Meyer Sound’s RMS remote monitoring system. Using IntelligentDC to supply power from an external source has several advantages:

- Eliminates the need to use conduit (Class 2 wiring)
- Allows longer, lighter-gauge cable runs
- Preserves the advantages of self-powered systems with even more flexible installation options

Housed in an integrated metal back-can to meet commercial fire codes, the Ashby-5C can be flush-mounted in ceilings using a low-profile grille that blends discretely into any décor. The following Meyer Sound accessories are designed specifically to install Ashby loudspeakers into a variety of ceiling environments:

- C-Ring with bridge kit, new construction bracket, and pendant mount

Features and Benefits
- Self-powered
- Easy to install
- Extremely wide and consistent coverage
- Ultra low distortion
- Exceptional SPL-to-size ratio
- Beautiful reproduction of speech and music
- Supports long cable runs with light-gauge cables
- One MPS-488HP can power up to 24 Ashby-5Cs

Applications
- Distributed systems for music and paging that demand high-quality audio and vocal intelligibility
- Constellation acoustic systems
**Architectural Specifications**

The loudspeaker shall be self-powered and include one 5-inch (127 mm) diameter coaxial transducer and one 0.75-inch (20 mm) dome tweeter mounted concentrically in wave guide in front of the 5-inch driver.

Performance specifications for a typical production unit shall be as follows, measured at 1/3-octave resolution. Operating frequency range, 100 Hz – 18 kHz; phase response, 290 Hz – 16 kHz ±45° and a conical coverage of 110 degrees.

- **Frequency Response**: 100 Hz – 18 kHz
- **Phase Response**: 290 Hz – 16 kHz ±45°
- **Nominal Input Sensitivity**: -2.5 dBV (0.25 V rms, 1.00 V peak)
- **System Peak-to-RMS ratio**: 12.5 dB
- **System Response**: 112.0 dB, M-noise

**Cutout diameter range shall be 7.60 – 7.875 in** (193 – 200 mm). **Weight shall be 7.8 lb (3.53 kg).**

The loudspeaker shall be the Meyer Sound Ashby-5C.