

RS31-EZ

3" On-Ceiling Speaker

SOUNDTUBE
ENTERTAINMENT



Specifications: RS31-EZ

Mounting hardware included

System Type	3" Full range, open ceiling, sealed
Nominal Impedance	8 ohm
Impedance (minimum)	8.0 ohm
Sensitivity dB @ 2.83V/1M	85.0dB
Sensitivity dB @ 1W/1M (2)	85.0dB
Frequency Response (± 3 dB)	170 Hz - 14 kHz
Frequency Response (± 10 dB)	120 Hz - 22 kHz
Max. Program Power	40w
Max. Continuous Power RMS	20w
Max. Power SPL @ 1 M	98.0dB
Tap Selector	Selectable terminal input strip
Colors	Black or white
Woofer - part	76.1 mm (3.0 in.) Polypropylene driver w/ butyl rubber surround.
Inputs	Terminal strip
Height (SM = Height)	125.4 mm / 4.93 in
Diameter (SM = Width)	110.5 mm / 4.35 in
SM Depth (Including Bracket)	96.8 mm / 3.81 in
Weight	0.6 kg / 1.32 lb
Shipping Weight	0.9 kg / 1.98 lb
Accessories Optional	120 watt XFMR
Packaging	1 per box
Regulatory - UL	1480 planned
Regulatory - CE	Approved
Regulatory - IP	not planned
Regulatory - CCC	approved

Key Features

- 3 inch One (76.1 mm) polypropylene driver with butyl rubber surround
- Weatherized components for indoor/outdoor applications.
- Ultra-low profile ZeroReflection™ ABS enclosure (4.35 inch diameter by 4.35 inch height without stabilizing arm).
- Corrosion-resistant, powder-coated aluminum grille.
- UL 1480 (UEAY) planned.
- High quality black or white paint finish.
- Included accessories: Mounting element, cover plate, 10ft speaker signal/hanging cable.

Description

One 3 inch (76.1 mm) polypropylene driver with butyl rubber surround. Ultra-low profile ZeroReflection™ ABS enclosure (4.35 inch diameter by 4.35 inch height without stabilizing arm). Corrosion-resistant, powder-coated aluminum grille. UL 1480 (UEAY) listed. Included accessories: Mounting element, cover plate, 10ft speaker signal/hanging cable.

Applications

Engineered for rapid installation and low profile mounting for smaller venues, the RS31-EZ is ideal for finished ceiling applications in retail, restaurants, conference rooms, patio areas, educational facilities or any setting where full-range intelligibility, unobtrusive design and installation ease are paramount. For additional bass response down to 41 Hz (- 10 dB), the SM1001p powered 10-inch subwoofer may be incorporated.

Patented SoundTube Technologies

SoundTube and MSE Audio Group constantly develop new technologies that enhance audio product performance. SoundTube innovations are protected by multiple U.S. and international patents, which explicitly cover SoundTube dispersion, enclosure and dome technologies. MSE Audio Group actively defends its patents in order to protect SoundTube resellers and end users.

Technical Data and Specification Tools

Technical Data

SoundTube Entertainment strives to provide complete and effective technical information and data to dealers, engineers and designers. All data are available from SoundTube Entertainment or at www.soundtube.com.

Technical data and downloads include: EASE™ data - 3-D polar plots. EASE™ Address - 2-D modeling for distributed systems Autodesk® Revit® software Tech Sheets - Technical information and architectural specs for system engineers SoundTubeSPEC™ - Proprietary speaker placement software

Data Acquisition and Verification

All data for SoundTube speakers are independently collected from and verified by NWAALabs (www.nwaalabs.com) using their proprietary MACH testing system. All data are collected and analyzed according to ASTM, ISO and AES standards using EASRA,

TEF and MLSSA. Full balloon data including both phase and magnitude are compiled into a variety of formats including EASE 4.x, GLL and CLF.

Architectural Specifications

The loudspeaker transducer shall consist of one full-range 76.2 mm (3.0 in.) polypropylene cone with butyl rubber surround. Performance specifications for a typical production unit shall be as follows: Useable frequency response shall extend from 120 Hz - 22 kHz (- 10 dB). Measured sensitivity (2.83 volt input, 1 meter) shall be at least 85.0 dB. Rated power capacity shall be at least 20 watts continuous (RMS) and conform to EIA-426-B. Maximum continuous power output at 1 meter shall be 98 dB. Installation shall be by mounting element designed to retro-fit in most junction boxes. The speaker will hang via 10 foot signal/hanging cable (included). Cover plate is included to store excess signal/ hanging cable as it is screwed into place, concealing the mounting element and junction box. The speaker utilizes weatherized components for indoor and outdoor

applications. External wiring shall be by low-profile screw terminal and shall accept from 10 - 22-gauge wire. The enclosure shall be constructed of injection-molded, ABS. The grille shall be constructed of powder-coated aluminum for lasting performance and affix to the speaker baffle via pressure fit. Overall cabinet dimensions shall be no more than 110.5 mm (4.35 in.) in height by 110.5 mm (4.35 in.) in diameter. The unit height with stabilizing arm shall be no more than 139.7 mm (5.5 in.). The system shall be the RS31-EZ for low-impedance applications.

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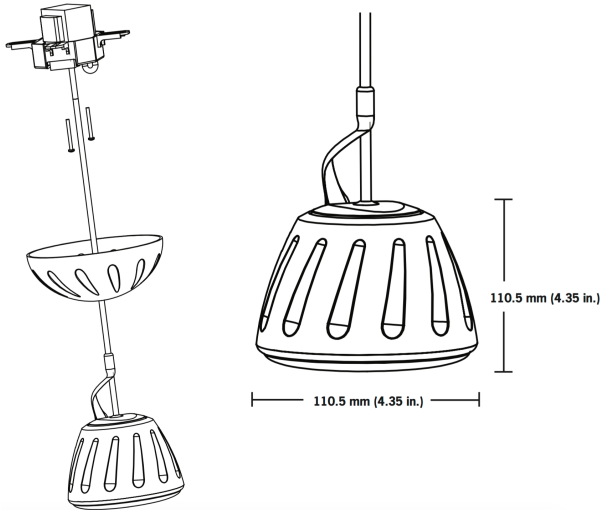
8005 W. 110th St. | Suite 208
Overland Park, KS 66210
Phone 9136635600
Fax 8556635600
Toll Free 8556635600
<http://soundtube.mseaudio.com>
All SoundTube products come with a 5-year limited warranty.

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Mechanical Drawings



Optional Accessories

120 watt XFMR