

In-Ceiling Loudspeaker with 6-1/2" Woofer

Leviton Architectural Edition® Powered by JBL®

LAE6C-000



APPLICATION

Barely noticeable. Until you hear them.

Leviton Architectural Edition powered by JBL speakers were engineered for full sound dispersion to fill the room – no matter where installed, be it home theater systems or whole house audio applications. With proven acoustic superiority through rigorous testing and real-world evaluation as well as sound inspired by JBL's legendary M2 Master Reference Monitor, JBL's High Definition waveguide technology allows the loudspeaker to fill the room in cinema quality, full immersion sound from any location – even high elevations or off-axis listening locations.

Specially designed with a nearly invisible zero-bezel and paintable magnetic grille, speakers blend into any environment's wall or ceiling architecture. This is equally pleasing to audiophiles and interior designers for integration into any configuration or setup.

The speaker's sturdy reliable design also includes a XL-2 bracket suitable for mounting in any wall or ceiling up to 2" thick.

Expertly crafted, Leviton Architectural Edition powered by JBL speakers will leave you wondering how such spectacular sound seems to come out of nowhere.

JBL has a reputation for incorporating the most advanced audio materials, technologies, and precision engineering available. Through Leviton's longstanding partnership with JBL select products have been chosen for the Leviton Architectural Edition Powered by JBL family of speakers. Whatever the application, when the specs call for JBL In-Wall, In-Ceiling, Outdoor, or Home Theater speakers, Leviton Architectural Edition performance is guaranteed to deliver high sound quality and aesthetics.

Leviton Manufacturing Co., Inc. Global Headquarters

201 N. Service Rd. Melville, NY 11747-3138 Tech Line: 1-800-824-3005 Fax: 1-800-832-9538

Leviton Manufacturing Co., Inc. Energy Management, Controls and Automation.

865 Fulton St., Suite 500, New Orleans, LA, 70130 Tel: 504 608-9001

Visit our Website at: www.leviton.com/automation

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PRODUCT DATA**FEATURES**

- Signature JBL Loudspeaker performance providing room filling sound with clean powerful highs
 - Long-throw woofers with rubber surrounds provide high output with low distortion.
- Paintable, nearly invisible zero-bezel magnetic grilles seamlessly blend into wall or ceiling architecture.
- High Definition Imaging (HDI) waveguide technology and computer-optimized driver positioning results in ideal performance and life-like soundstage imaging throughout the entire room, regardless of location.
- Engineered for the custom installer with a whole-room, seamless audio and visual design in mind.
- Superior XL-2 installation bracket
 - Sturdy, reliable design fit for easy installation in walls up to a full 2" thick.
 - Specialty mechanical grip designed to minimize vibration regardless of installation format.
 - Handles custom installation better than typical 1-1/2" bracket designs.
- Optional rough-in kits available for pre-construction installation

PHYSICAL SPECIFICATION

- Cutout Dimensions: (D): 8" (203mm)
- Grille Finished Dimensions: (D): 9-3/32" (231mm)
- Mounting Depth: 4-11/16" (119mm)
- Compatible Wall Material Thickness
 - 0.5" – 2.0" (12mm – 51mm)
- Color: Black with white grille
- Shipping units of measure: Each

PERFORMANCE SPECIFICATIONS

- Impedance: 8 Ohms
- Recommended Amplifier Power: 80W
- Frequency Response: 38Hz - 20kHz
- Loudspeaker Sensitivity: 86dB 2.83V @ 1m
- Low Frequency Driver Size and Material:
 - 6-1/2" (165mm) Polycellulose Woofer
- High Frequency Driver Size and Material:
 - 1" (25mm) Silk-Dome Tweeter

COUNTRY OF ORIGIN

China

WARRANTY INFORMATION

For a copy of Leviton product warranties, visit www.leviton.com/warranty.

ORDERING INFORMATION

DESCRIPTION	CAT. NO.
Leviton Architectural Edition powered by JBL 6.5" in-ceiling speaker with paintable 0 bezel magnetic grill. 80 Watts, 8 Ohms. 1 FG = 1 Speaker.	LAE6C-000
Pre-Construction Bracket for use with the LAE8C	PCC55-KIT
Fire-Rated Back-Box Enclosure	AEBC6-000

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INSTALLATION INSTRUCTIONS

CAUTION: NOTE THAT THESE INSTRUCTIONS ARE WRITTEN WITH THE ASSUMPTION THAT THE INSTALLER POSSESSES SKILL IN THE PROPER USE OF HAND AND POWER TOOLS, AND IS FAMILIAR WITH THE ENVIRONMENT BEHIND THE SURFACE OF THE WALL OR CEILING WHERE THE SPEAKERS WILL BE INSTALLED.

TO INSTALL:

1. Select speaker mounting location. Route speaker cable from source to this location. Note: We recommend the use of 16/2 (minimum) class 3 speaker wires.
2. Attach wings to back plate of Pre-Construction Bracket (refer to Figures 1A). Only two wings are required for each back plate. Select the mounting arrangement that best suits your specific application. Note: The wings are designed to be shortened as required.
3. Attach the Pre-Construction Bracket in the desired location to the underside of framing members so that after drywall installation, the bracket and the wings are sandwiched between the drywall and the framing member (ensure "FRONT" is facing into the room) (refer to Figures 1A). If the mounting area is too congested to use both mounting wings you can drive screws through the back plate directly into the framing member.
4. Loop the speaker wire and attach it to the wire management loops on the back of the bracket.
5. After drywall installation install speakers in holes provided by drywall installer. Follow instructions included in speaker packaging.

Figure 1A – Ceiling Mounting

Use holes to mount bracket with screws to framing stud

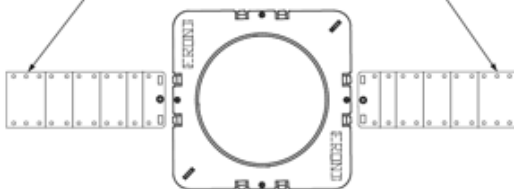
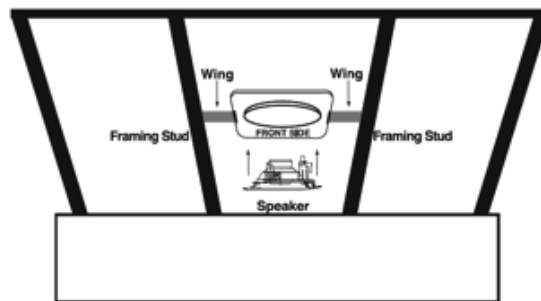
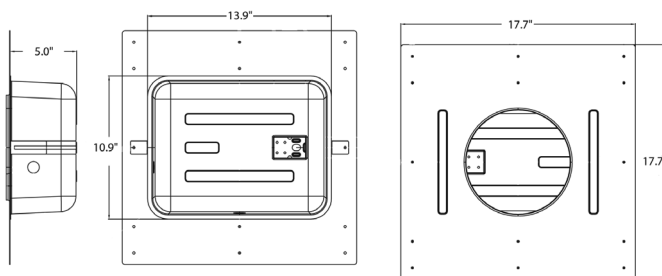


Figure 2 (Ceiling Mounting Depicted)



Fire Rated Back-Box Enclosure Dimensions



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