**Product: JBL Synthesis SCL-8**

**Description Title:** SCL-8

**Descriptor:** 2-Way 5.25-inch (130mm) In-Ceiling Loudspeaker

**Short Descriptor:** 2-Way 5.25-inch (130mm) In-Ceiling Loudspeaker

**Short Description:** The most compact round in-ceiling model in the JBL Synthesis Custom Loudspeaker range, the SCL-8 features JBL’s patented D2410H 2-inch (25mm) compression driver mated to an offset High Definition Imaging (HDI™) horn. Integrated with an angled 5.25-inch advanced aluminum matrix cone cast-frame woofer to aim sound at the main listening position, as part of a complete JBL Synthesis immersive sound system.

**Long Description:** The most compact round in-ceiling model in the JBL Synthesis Custom Loudspeaker (SCL) series, the SCL-8 is designed for unparalleled performance in small to medium theater rooms for immersive applications as a height channel, or in high-performance two-channel applications and distributed whole-house audio. The SCL-8 features the patented JBL D2410H-2 1-inch (25mm) compression driver mated to an offset High Definition Imaging (HDI™) horn and an angled 5.25-inch advanced aluminum matrix cone cast-frame woofer with integral waveguide baffle allowing the loudspeaker to be “aimed”, focusing its output towards a specific listening area. The SCL-8 is acoustically designed to complement any of the JBL Synthesis Custom Loudspeakers (SCL series) as part of a complete JBL Synthesis solution.

**Highlights:**

* 2-way in-ceiling loudspeaker system designed for off-axis listening as height, in-ceiling LCR and surround channels
* Features 1-inch 2410H-2 compression driver tweeter mated to a JBL patented offset High-Definition Imaging (HDI™) horn assembly, angled toward listening area
* Complemented with a 5.25-inch (130mm) advanced aluminum matrix cone, cast frame woofer with waveguide baffle, angled to match HDI horn
* Patented Cat Claw mounting mechanism for faster installations
* Gold plated, spring-loaded binding posts
* Comes with paintable zero-bezel, magnetically attached round and square grilles
* Compatible with CB8 pre-construction bracket

**General Specifications:**

|  |  |
| --- | --- |
| Type: | 2-Way In-ceiling loudspeaker |
| Low Frequency Driver: | 5.25” (130 mm) advanced Aluminum Matrix cone cast-frame woofer (JW130Al-4) |
| High Frequency Driver: | 1" (25 mm) 2410H-2 Teonex® annular ring-diaphragm compression driver |
| Recommended Amplifier Power: | 25 - 100 W RMS |
| Impedance: | 4 Ohm |
| Loudspeaker Sensitivity: | 85 dB/2.83V/1m |
| Frequency Response: | 55 Hz - 30 kHz (-6 dB on-axis), 2pi anechoic |
| Crossover Frequency: | 1.8 kHz |
| High Frequency Coverage Angle (-6dB): | 60° Vertical (Up: 30°, Down: 30°, from 45° Vertical Center line),  120° Horizontal, from 2k Hz to 10k Hz. |
| Enclosure Type: | Open back |
| Controls: | Boundary Proximity Control |
| Grille Dimensions: | Round: 10.77” (273 mm) Diameter  Square: 10.77” (273 mm) x 10.77” (273 mm) |
| Product Dimensions (with grille): | 10.77” H x 10.77” W x 4.73” D (273 mm x 273 mm x 120 mm) |
| Cut-out Diameter: | 9.49” (241 mm) |
| Accessory Rough-in Bracket: | CB8 |
| Mounting Depth: | 4.54” (115 mm) |
| Input Type: | Gold-plated spring-loaded binding posts |
| Product Weight: | 7.8 lb. (3.5 kg) |
| Shipping Weight: | 10.6 lb. (4.8 kg) |
| Shipping Units of Measure: | Each |
| Warranty: | 5 Years |

**Web Product Page Attachments:**

* Owner’s Manual
* Spec Sheet
* Quick Specs