

SONIA C5



Sonia C5 is a 5.25" in-ceiling speaker with Category cable connection, designed to enable anyone to deploy speaker systems into meeting rooms, classrooms and discussion spaces using standard IT infrastructure. Sonia C5 mounts into suspended ceiling grids using an included tile bracket and double-stepped dog ears, enabling blind installation from below. Sonia C5 features no proprietary audio connectors and is connected to a Sonia Amp using standard Category cable. Each Sonia C5 features VoiceMatch™ technology when used in conjunction with Sonia Amp/Solaro Series, enabling speech optimization for added intelligibility. Sonia C5 features a magnetic, fully-paintable grille with removable logo and offers integrated mounting for Sonia Amp, allowing the entire speaker system to be contained within a drop ceiling with no in-room racks.

BENEFITS

- › Sonia C5 enables intelligible sound with consistent volume and coverage across meeting rooms, classrooms and discussion spaces without the requirement to run expensive, hefty copper wire. Installation is simple and quick using standard Category cable with RJ45 connectors.
- › Sonia C5 offers a 5.25" driver with a wide dispersion pattern and VoiceMatch technology to allow for fewer speakers in large rooms.
- › Integrated 'backpack'-style mounting allows for amplifier and speaker to both be hidden in the ceiling, eliminating the need for in-room racks.
- › When paired with a Sonia Amp, integrated fault monitoring between Sonia C5 and Sonia Amp products enables the same level of monitoring as found in an individually-addressable IP loudspeaker without the cost.
- › Up to four (4) individual rooms can be covered with a single Sonia C5/Sonia Amp system, and each Sonia Amp can accommodate up to eight (8) Sonia C5 speakers in pairs.

ENGINEERING SPECIFICATIONS

The loudspeaker shall be 8 ohm, 2-way and consist of one 134mm (5.25 in) low-frequency transducer and one 19mm (0.75 in) high frequency transducer with an integrated crossover in a sealed enclosure. The low-frequency transducer shall have a polypropylene cone material with a rubber surround, and the high frequency transducer shall be constructed of silk material using a balanced-cone configuration. An integrated passive limiter shall protect the speaker from over-current. The backcan shall be 116mm (4.6 in) deep and be constructed of drawn steel painted with black, textured finish. The speaker grill shall be magnetically attached and include a safety tether wire, provide full coverage of speaker front and be constructed from powder-coated perforated steel painted RAL 9010 white. The speaker grill shall be paintable with a removable logo badge. Performance specifications shall be as follows: frequency range of 50Hz to 20kHz (-10dB), sensitivity more than 91 dB (at 1m), rated power of 30W at 8 Ohms, with a coverage angle of 180 degrees (-6dB at 2kHz) and 107 degrees (-6dB at 10kHz). The loudspeaker shall include RJ45 connections for audio input and output, safety tether wire attachment points, four blind-mount ceiling attachment wings that accommodate ceiling tile thickness from 0.9mm (0.35 in) to 40.9mm (1.6 in) and mounting capability for a networked amplifier. The loudspeaker shall be rated for operation between 0-40C. The loudspeaker shall be the Xilica Sonia C5.

TECHNICAL SPECIFICATIONS

Electrical

Input/Output

Audio in: RJ45, CatX, amplified audio over Category cable;

Audio out: RJ45, CatX, amplified audio over Category cable (link)

Rated Power	30W at eight (8) Ohms
Operating Temperature	32–104°F (0–40°C)
Ethernet	(2) RJ45 with Link and Speed indicators
Fault Sensing	Yes; to Sonia Amp
VoiceMatch Support	Yes; via Sonia Amp/Solaro Series

Mechanical

Speaker Type	Two-way, eight (8) Ohm, 5.25" coaxial, in-ceiling
Transducer(s)	<i>Low Frequency:</i> 134mm (5.25") polypropylene cone, rubber surround; <i>High Frequency:</i> 19mm (0.75") silk dome tweeter
Frequency Range	50Hz to 20kHz (-10dB)
Coverage Angle	180 degrees (-6dB at 2kHz), 107 degrees (-6dB at 10kHz)
Sensitivity	>91dB (at 1m)
Dimensions	<i>Diameter:</i> 269mm (10.6") <i>Depth:</i> 121mm (5.7") Cutout Diameter: 222mm (8.75")
Enclosure	Drawn steel backcan with ABS baffle; Powder-coated, magnetically-attached speaker grille, painted white
Color	Grille: RAL 9010 (white)
Min/Max Ceiling Thickness	0.9mm (0.35") to 40.9mm (1.6")
Coverage Angle	180 degrees (-6dB at 2kHz), 107 degrees (-6dB at 10kHz)
Weight	5kg / 11lbs

General

Compliance	CE, RoHS
Warranty	Xilica Five Year Limited Warranty
Part Number(s)	2200–007–0102
Included Accessories	Sonia Tile Bridge Kit; Connector cover (with knockouts for conduit connection)