

DATA SHEET

QT® ACTIVE EMITTER, FUSION EDITION (DS1320) SOUND MASKING EMITTER



The Qt® Active Emitter, Fusion Edition (DS1320) is a point-source Emitter capable of both sound masking and simultaneous reproduction of clear audio sources such as paging signals. The Qt Active Emitter provides higher SPL and a broader frequency range than previous direct field Emitter offerings using a 1.25” diameter driver. Patented direct-field technology ensures both uniform, comfortable sound masking as well as clear, articulate paging in a device that’s virtually invisible once deployed in finished or open structure ceilings. This version of the Qt Active Emitter should only be used with the Cambridge Networked System QT X 800 and 805 series controllers.

FEATURES

- A ported emitter capable of delivering uniform, comfortable sound masking and clear, quality paging
- Delivers quality masking and audio in a small device that’s virtually invisible once deployed in finished or open structure ceilings
- Provides direct field sound masking and high fidelity audio with individually addressable emitters in the Cambridge Networked system
- Met Works with WELL licensing criteria for sound masking
- Plenum-rated, ETL listed, and complies with UL 2043

ARCHITECTS & ENGINEERS SPECIFICATION

The emitter shall consist of a single 1.25” (3.17 cm), full range driver installed in a vented enclosure. The enclosure shall be made to meet UL Standard 2043 requirements for heat and smoke release in accordance with the provisions of the following codes: National Electric Code, NFPA 70; International Mechanical Code, NFPA 5000; Standard for the Installation of Air Conditioning and Ventilating Systems, and NFPA 90A. The emitter shall provide a screw terminal plug to be used only to connect to a Cambridge Qt X 800/800D or Qt X 805/805D networked speaker controller. A twist-and-lock mounting ring shall be provided for quick and secure mounting in ceiling materials. The enclosure shall provide a secondary attachment for a security cable where required by local authorities.

Biamp, Cambridge, Dynasound, Qt, and QtPro are either trademarks or registered trademarks of Biamp Systems, LLC in the United States and other countries. Other product names referenced may be trademarks or registered marks of their respective owners and Biamp Systems is not affiliated with or sponsored by these companies.

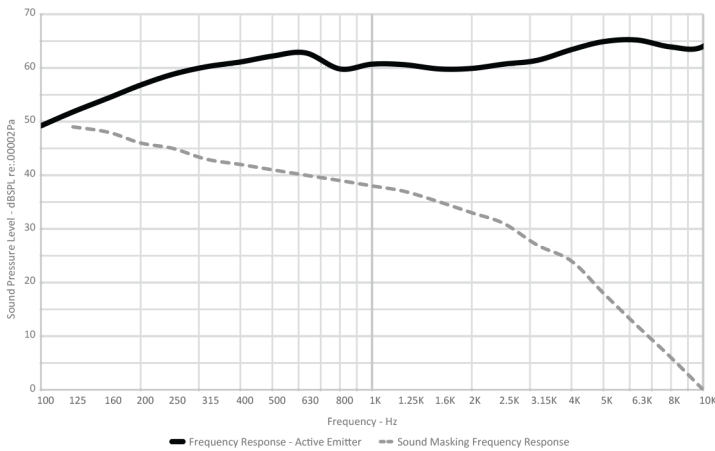
Qt ACTIVE EMITTER, FUSION EDITION (DS1320) SPECIFICATIONS

| | | | |
|--|---------------------------------------|-----------------------------------|---|
| Emitter Type: | Active with integrated amplifier | Maximum Power Consumption: | 2 W |
| Frequency Response | | Driver Diameter: | 1.25" (32mm) |
| Sound Masking¹: | 125Hz to 10kHz | Enclosure: | Front Vented |
| Music/Paging (-10dB)²: | 115Hz to 12kHz | Color: | Black or White |
| SPL¹ | | Product Dimensions | |
| Minimum Masking SPL (@ 1m): | 30dBA | Overall Diameter: | 3.25 inches (83mm) |
| Maximum Masking SPL (@ 1m): | 60dBA | Depth: | 4 inches (89mm) |
| Maximum Music/Paging SPL (@ 1m): | 74dBA | Weight: | 6.5 oz. (184g) |
| Nominal Dispersion: | 170° conical / half space | Included Accessories: | Acoustic Ceiling Tile Mounting Ring |
| Connectors: | Screw Terminal Plug (12 to 22 AWG) | Compliance: | ETL listed (USA) Evaluated to the requirements of UL 2043 and is suitable for use in air handling spaces |
| Cabling: | 2 conductor 18 AWG stranded wire | | |

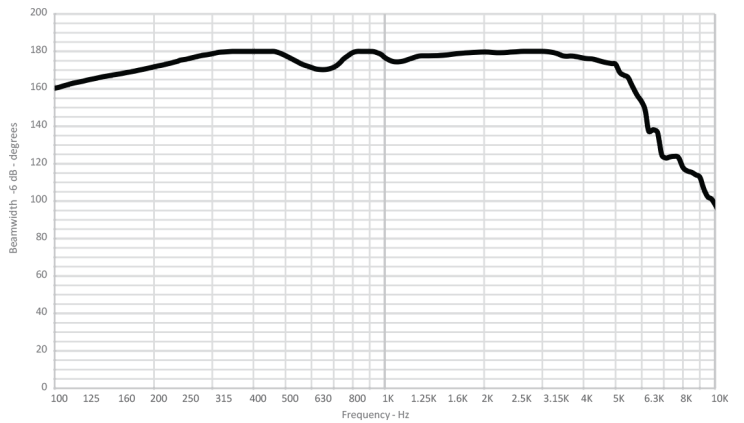
¹ Specifications based on emitter array using published layout practices in conjunction with Qt X Control Processor.

² Specifications based on laboratory measurements by NWAA Labs, not using Qt Control Processor..

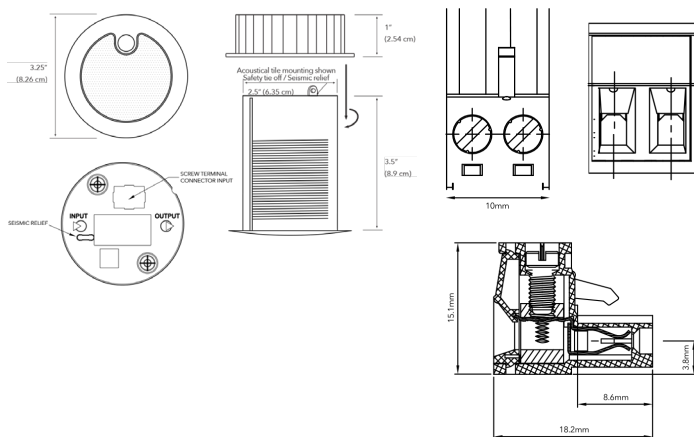
FREQUENCY RESPONSE (dB SPL)



BEAMWIDTH (-6 dB)



DIMENSIONS



REQUIRED ACCESSORIES

| DESCRIPTION | SKU |
|--------------------|--------------------------------|
| Emitter Controller | Qt X 800/800D or Qt X 805/805D |

OPTIONAL ACCESSORIES

| DESCRIPTION | SKU |
|-------------------|------------------|
| Drywall Mount | DM |
| Beam Bracket | AE-BB-W, AE-BB-B |
| Universal Bracket | AE-UB-W, AE-UB-B |
| Pendant Mount | PM-W, PM-B |