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.

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2175 Avon Industrial Dr., Rochester Hills, MI 48309 | Rev 0 | OCT 2026

Drawings and product details are for information and/or illustrative purposes only, and may vary. Please contact your local Memtech representative for the most current product information.

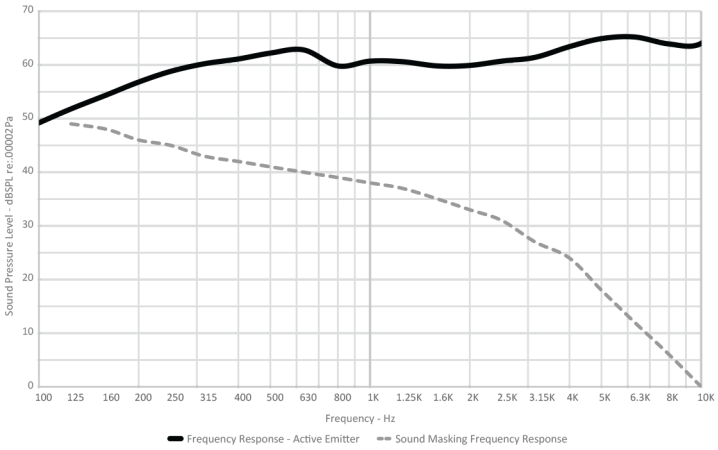
Qt ACTIVE EMITTER, FUSION EDITION (DS1320) SPECIFICATIONS

Emitter Type:	Active with integrated amplifier
Frequency Response	
Sound Masking[1]:	125Hz to 10kHz
Music/Paging (-10dB)[2]:	115Hz to 12kHz
SPL[1]	
Minimum Masking SPL (@ 1m):	30dBA
Maximum Masking SPL (@ 1m):	60dBA
Maximum Music/Paging SPL (@ 1m):	74dBA
Nominal Dispersion:	170° conical / half space
Connectors:	Screw Terminal Plug (12 to 22 AWG)
Cabling:	2 conductor 18 AWG stranded wire

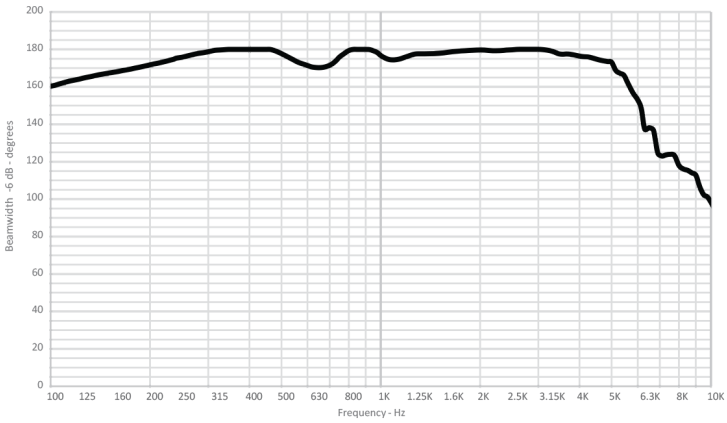
Maximum Power Consumption:	2 W
Driver Diameter:	1.25” (32mm)
Enclosure:	Front Vented
Color:	Black or White
Product Dimensions	
Overall Diameter:	3.25 inches (83mm)
Depth:	4 inches (89mm)
Weight:	6.5 oz. (184g)
Included Accessories:	Acoustic Ceiling Tile Mounting Ring
Compliance:	ETL listed (USA) Evaluated to the requirements of UL 2043 and is suitable for use in air handling spaces

[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..

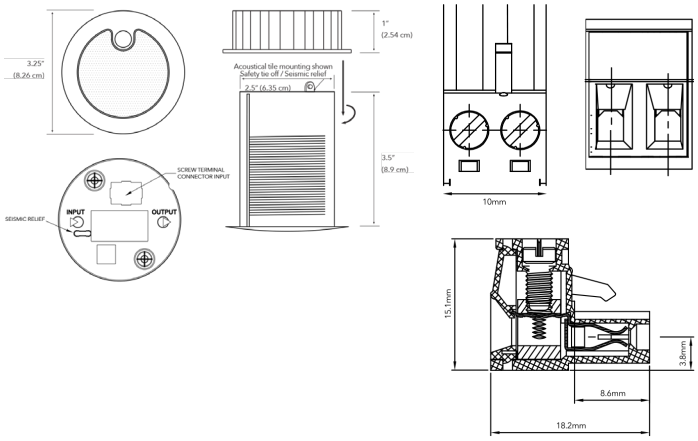
FREQUENCY RESPONSE (dB SPL)



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

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