

The F-2352CEN Q is certified according to the European EN 54-24:2008, DoP number is 20-001

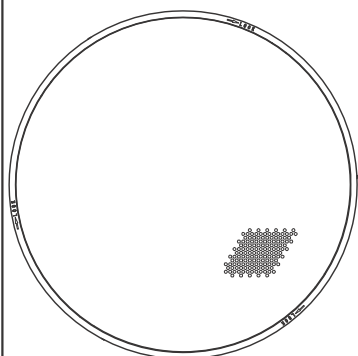
DESCRIPTION

The F-2352CEN Q ceiling-mounted speaker covers an extremely wide area and can be used for 25, 70 and 100V line application. Well-balanced sound can be heard uniformly at any location.

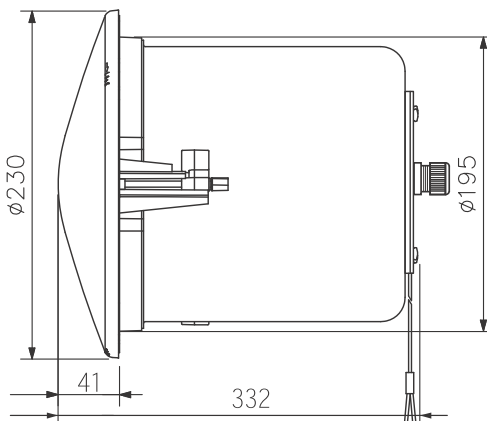
SPECIFICATIONS

Enclosure	Bass reflex type
Rated Input	30 W (High Impedance)
ated Impedance	100 V Line : 330 Ω (30 W), 1 k Ω (10 W), 3.3 k Ω (3 W), 10 k Ω (1 W) 70 V Line : 170 Ω (30 W), 330 Ω (15 W), 1 k Ω (5 W), 3.3 k Ω (1.5 W), 10 k Ω (0.5 W) 25 V Line : 170 Ω (3.7 W), 330 Ω (1.9 W), 1 k Ω (0.6 W), 3.3 k Ω (0.2 W), 10 k Ω (0.06 W) 8 Ω
Sensitivity	90 dB (1 W, 1 m) (500 Hz – 5 kHz, pink noise) 89 dB (1 W, 1 m) (100 Hz – 10 kHz, pink noise) 77 dB (1 W, 4 m) (100 Hz – 10 kHz, pink noise)
Maximum Sound Pressure Level	101 dB (1 W, 1 m) (100 Hz – 10 kHz, pink noise) 89 dB (1 W, 4 m) (100 Hz – 10 kHz, pink noise)
Frequency Response	70 Hz – 20 kHz (–10 dB) 50 Hz – 20 kHz (–20 dB)
Coverage Angle (–6 dB)	Horizontal and Vertical : 199° (500 Hz), 152° (1 kHz), 153° (2 kHz), 166° (4 kHz) according to EN 54-24
Dust/Water Protection	IP21C
Speaker Component	High frequency: Balanced dome-type, Low frequency 12 cm (4.72") cone-type
Operating Temperature	–10 °C to +50 °C (14 °F to 122 °F)
Mounting Hole	ø200 mm (Maximum ceiling thickness: 37 mm)
Input Terminal	Removable locking connector with screw-down terminals (2 input terminals and 2 bridge terminals)
Usable Cable	Solid copper wire: ø0.5 – ø1.6 mm (equivalent to AWG No. 24 – 14) Stranded copper wire: ø0.2 – ø2.5 mm ² (equivalent to AWG No. 24 – 14)
Finish	Enclosure: Steel plate, plating Baffle: Fire-resistant ABS resin (resin material grade: UL-94 V-0), black Rim: Fire-resistant ABS resin (resin material grade: UL-94 V-0) white, paint Punched net: Steel plate, white, paint
Dimensions	ø230 x 200 (D) mm
Weight	3.7 kg (including panel)
Accessories	Panel ...1, Ceiling reinforcement ring ...1, Safety wire ...1, Paper pattern ...1, Cable gland ...1
Option	Anchor hanging bracket: HY-AH1, Back can: HY-BC1 Tile bar bridge: HY-TB1, Trim ring: HY-TR1

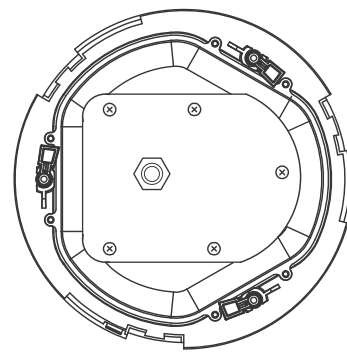
■ APPEARANCE



Front View

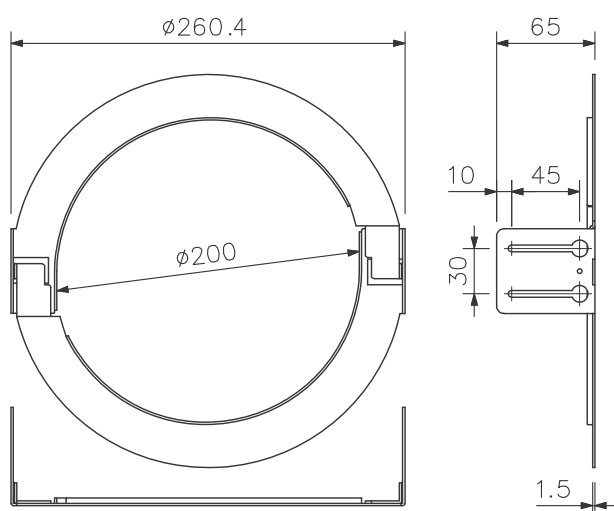


Side View

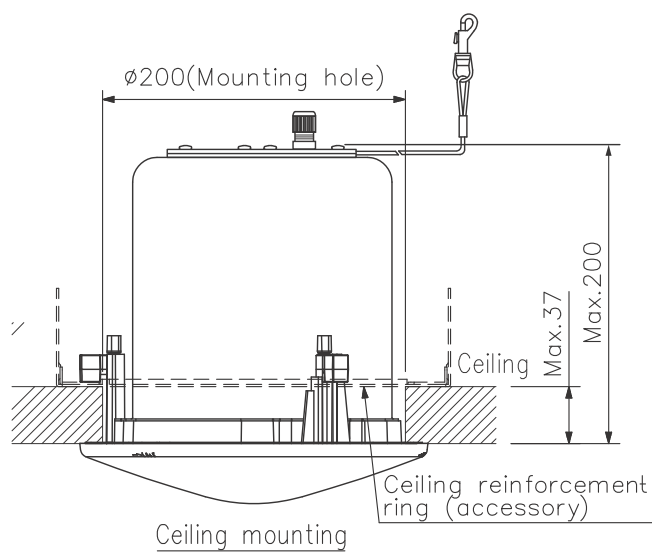


Rear View

Safety wire
60 cm in length (accessory)



Ceiling reinforcement ring (accessory)



Ceiling mounting

UNIT:mm SCALE:1/10