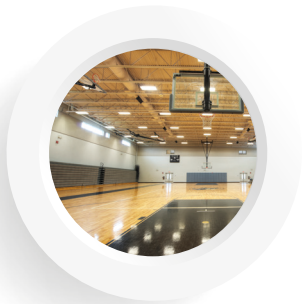


F-SERIES

Wide Dispersion Ceiling Speaker

EN
54-24



**Expanded coverage area
through extra-wide dispersion
characteristics.**

F-1522SCEN / F-2352SCEN / F-2322CEN / F-2352CEN / F-2852CEN

Wide Dispersion Ceiling Speaker

Most noticeable has always been the high-frequency roll-off of standard speakers that resulted from limited speaker dispersion characteristics. The F-Series provides well-balanced audio reproduction without treble attenuation over an expanded listening area thanks to the extra-wide dispersion characteristics that are part of the overall speaker design. Perceived speaker directionality and beaming tendencies are minimised, resulting in a natural, well-balanced sound over a wide area at all levels. Conventional ceiling speakers exhibit high frequency roll-off characteristics as the distance between ceiling speaker and listener increases. An ideal ceiling-mounted speaker's response characteristics should include wide dispersion and non-frequency dependent directionality and this ceiling speaker series proves that. Now all F-series models listed here are EN54-24 certified.

COMMON FEATURES

- Easy and quick installation
- Input selector switch permits easy verification and change of current impedance settings, even after installation

F-1522SCEN

- Cost-effective full range speaker
- 117 mm mounting depth
- Flat front panel

F-2322CEN

- 30W full range speaker
- High power
- Heat-resistant back can
- Flat front panel

F-2352SCEN

- 2-way wide range speaker
- 154 mm mounting depth
- Diffuser for wide dispersion of high frequencies

F-2352CEN

- 2-way speaker
- High power
- Overload protection
- Heat-resistant back can
- Diffuser for wide dispersion of high frequencies

F-2852CEN

- 2-way speaker
- High power
- Overload protection
- Heat-resistant back can
- Diffuser for wide dispersion of high frequencies

Specifications

	F-1522SCEN	F-2352SCEN	F-2322CEN	F-2352CEN	F-2852CEN
Coverage angle (2/4/8 kHz)	180° / 100° / 80°	180° / 180° / 60°	180° / 110° / 60°	180° / 105° / 170°	90° / 100° / 110°
Rated Input	6W (100V)		30W (100V)		60W (100V)
Power Handling Capacity	Continuous pink noise: 9 W (8 Ω), Continuous program: 18 W (8 Ω)	Continuous pink noise: 9 W (8 Ω), Continuous program: 18 W (8 Ω)	Continuous pink noise: 60 W (8 Ω) Continuous program: 120 W (8 Ω)		Continuous pink noise: 90 W (8 Ω), Continuous program: 180 W (8 Ω)
Tappings	6 / 3W (100V), 6 / 3 / 1.5W (70V)	6 / 3 / 1 / 0.5W (100V), 6 / 3 / 1.5 / 0.5 / 0.25W (70V), 8Ω	30 / 10 / 3 / 1W (100V), 30 / 15 / 5 / 1.5 / 0.5W (70V), 8Ω		60 / 30 / 15 / 3W (100V), 60 / 30 / 15 / 7.5 / 1.5W (70V), 8Ω
Sensitivity (1W, 1m)	88dB	89dB	90dB		91dB
Frequency Response	65Hz – 18kHz	80Hz – 20kHz	70Hz – 20kHz		60Hz – 20kHz
Mounting Hole Diameter	135mm	200mm			250mm
Speaker Component	10cm cone-type	Low: 12cm cone-type, High: Balanced dome-type	12cm cone-type	Low: 12cm cone-type, High: Balanced dome-type	Low: 16cm cone-type, High: Dome-type
Finish	Baffle: Fire-resistant ABS resin, black / Rim: Fire-resistant ABS resin, white / Punched net: Steel plate, white, paint / Dust proof bag: Artificial fiber, black		Enclosure: Steel plate, plating / Baffle: Fire-resistant ABS resin, black / Rim: Fire-resistant ABS resin, white / Punched net: Steel plate, white, paint	Enclosure: Steel plate, plating / Baffle: Fire-resistant ABS resin, black / Rim: Fire-resistant ABS resin, white / Punched net: Steel plate, white, paint	
Dimensions (ø x D)	155 x 117 mm	230 x 154 mm	230 x 200 mm	230 x 229 mm	280 x 227 mm
Weight	1 kg	1.5 kg	3.7 kg		5.1 kg

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The technical specifications may contain errors and are subject to change without notice.
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We supply sound, not equipment.

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