

**Section** EN54 Voice Evacuation Systems

**Category** EN54-24 Loudspeakers

**Code** C51HF/40-EN



**References**

**Safety:** Compliant to EN 50200, EN 62368-1

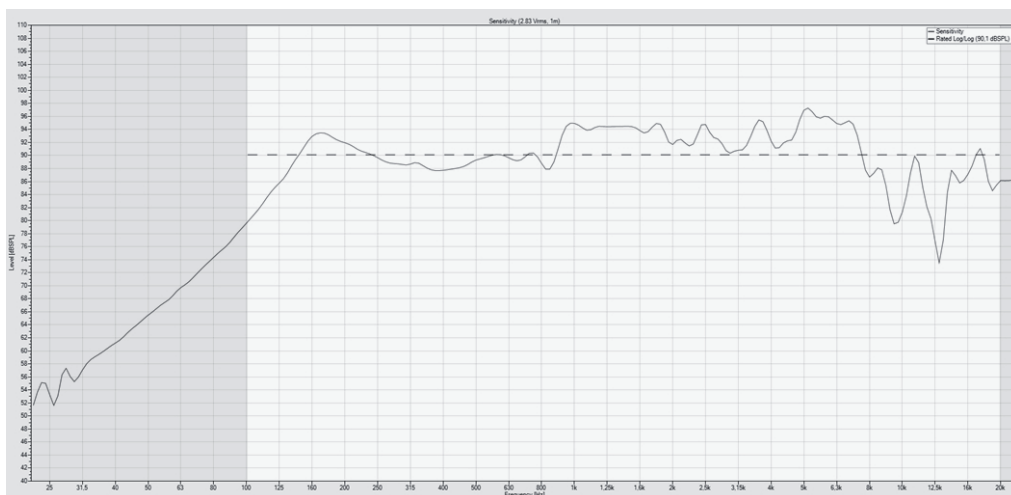
**Emergency:** EN54-24:2008 (cert. n° 0068-CPR-169/2022)  
ISO 7240-19:2010 - CEN/TS 54-32:2015 - EN 50849

**Application:** Indoor environment (Type A)

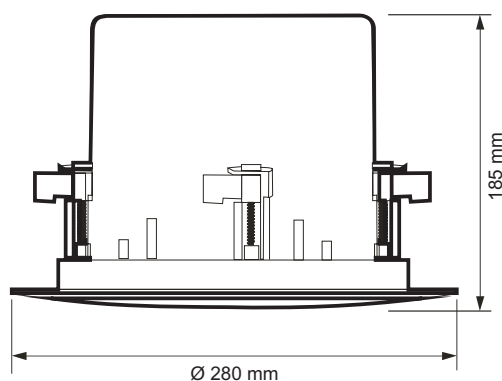
**Description** EN54-24 40W 2-way HI-FI ceiling speaker unit

The **C51HF/40-EN** ceiling speaker unit features a loudspeaker with a 8" cone and a 1" tweeter, self-extinguishing ABS body and metal fire dome and grille. Suitable for flush-mounted installation in false-ceilings, it is equipped with a protected integrated thermal fuse, a 100V transformer for connection via terminals to constant voltage lines and a rotary switch that allows you to easily adjust the output power. Low impedance connection (8 Ω) is also available. The C51HF/40-EN model provides excellent sound performance and speech intelligibility, as well as powerful music reproduction. It is ideal for installation in large facilities such as schools, hotels, airports and conference rooms.

**Technical data**



Frequency response @ 1W/1m



Overall dimensions

Technical data

C51HF/40-EN



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0068-CPR-169/2022

EN 54-24

Loudspeaker for voice alarm systems  
for fire detection and fire alarm systems for buildings

C51HF/40-EN

Type A

No. of loudspeakers	2, 8" woofer & 1" tweeter
Rated output power	40 W
Adjustable power (100 V line)	40 W / 20 W / 10 W / 5 W - 8 Ω
Impedance (100 V line)	250 Ω / 500 Ω / 1000 Ω / 2000 Ω
Line transformer inputs	100 V / 70 V
Rated impedance	8 Ω
Frequency response @ -6dB	100 ÷ 20.000 Hz
Efficiency @ 1W/1m	90 dB
Maximum sound pressure SPL @ Pmax/1m	106 dB
Hor./Vert. dispersion angle @ -6dB	180° (500 Hz) 110° (1 kHz) 90° (2 kHz) 50° (4 kHz)
Protection degree	IP 21C
Material	ABS structure, metallic fire dome & grille
Mounting	Spring clips
Colour	White
Cutout size	Ø 248 mm
Dimensions	Ø 280 x 185 mm
Net weight	2,3 kg