Pendant Point Source

EN 54-24:2008

EN 54-24:2008 - Type B
CPR & DOP 0068-CPR-212/2024
Loudspeaker for voice alarm system for fire detection and fire alarm system for building

Declaration of Performance (DoP) available on the website www.fbt.it



MAIN FEATURES

- 2-way coaxial
- 5” LF woofer with 1.5” voice coil
- 1” HF driver with 1” voice coil
- Recommended amplifier: 120W RMS
- 70/100V line transformer with power selector (64/32/16/10) or 15Ω
- Sturdy ABS molded enclosures
- 4-pin Euroblock in & thru connectors
- Suspension cable: 3.5mt / 11.48ft
- EN 54-24 Certificate of Conformity / TYPE B
- Available in black (45511) and white (45483)

DESCRIPTION

The FBT LIBRA 5CT series speakers feature lightweight, sturdy ABS molded enclosures. Available in black or white finish, the FBT LIBRA 5CT provides fixed installations with an elegant design that blends into any decor. The FBT LIBRA 5CT is a two-way design incorporating a 5” coaxial low-frequency woofer with a 1.5” voice coil and a 1” high-frequency driver with a 1” voice coil. With a frequency range of 80Hz to 20kHz, the FBT LIBRA 5CT provides high-fidelity sound for both speech and music applications with a maximum SPL of 114dB. The FBT LIBRA 5CT incorporates a switchable 70V/100V transformer with a power selector from 10W to 64W and low-impedance connection (15Ohm). Mounting the speaker is done through a connection cable; the connections are made through a terminal block connector behind the rear cover.

TECHNICAL SPECIFICATIONS

GENERAL

Code	Black	45511
	White	45483
Configuration	way	2 coax
Low frequency woofer	inch	5 - 1.5 coil
High frequency driver	inch	1 - 1 coil
Line transformer	V / W	70 - 100 / 64
Opertaing / Storage temperature	°C	-25 ÷ +55 / -40 ÷ +70
Relative Humidity		<95%

AMPLIFIER

Recommended amplifier	W RMS	120
Rated noise power 100hrs	W (V)	64 (31)
Nominal impedance	Ohm	15
Nominal impedance 100V LINE	Ohm (W)	156 - (64)
		312 - (32)
		625 - (16)
		1000 - (10)
Nominal impedance 70V LINE	Ohm (W)	76 - (64)

ACOUSTIC SPECIFICATIONS

Frequency response (@-6dB)	Hz	80 - 20k
Sensitivity (@1W/1m) (biamp LF/HF)	dB	86
MAX SPL (@1m/4m)	dB	104 / 92
Dispersion (@-6dB) Narrow = Wide setting		200° (500Hz)
		120° (1kHz)
		85° (2kHz)
		75° (4kHz)
		95° (8kHz)
Recommended HP filter	Hz - 24 oct	70 - 24

MECHANICAL SPECIFICATIONS

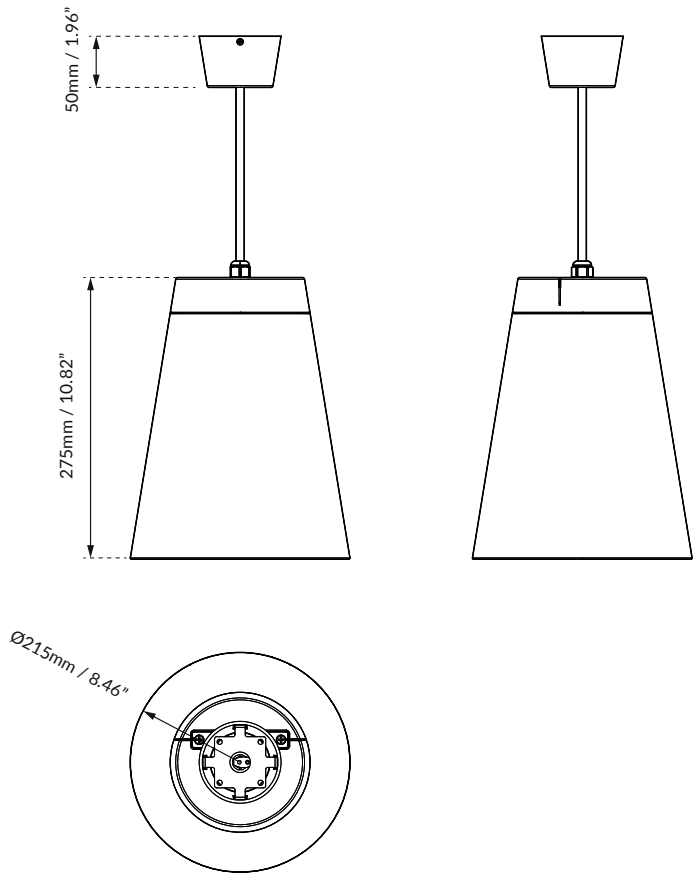
Material	Cabinet	ABS
	Grille	Aluminium
Suspension cable	mt	3.5
	ft	11.48
Net dimensions (WxHxD)	mm	ø215 x 275
	inch	ø8.5 x 10.82
Transport dimensions (WxHxD)	mm	305 x 345 x 305
	inch	12 x 13.45 x 12
Net weight	kg	4
	lb	8.81
Transport weight	kg	5.40
	lb	11.90

INPUTS & OUTPUTS

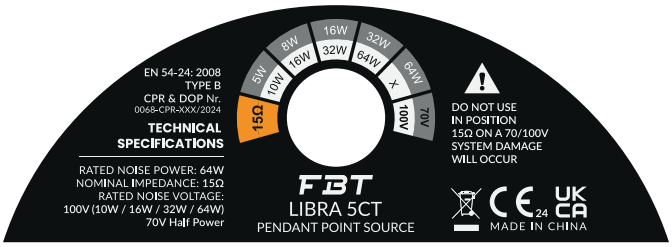
Input connectors		4-pin Euroblock in & thru

FBT ELETTRONICA S.p.A. strives to improve its products continuously and therefore reserves the right to make changes to the drawings and technical specifications at any time and without notice.

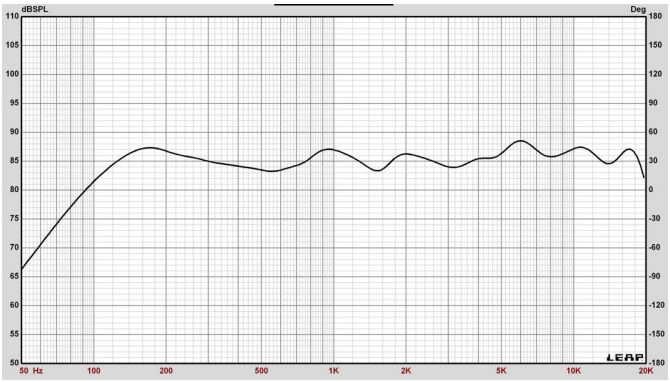
DIMENSIONAL DRAWING



CONTROL PANEL



FREQUENCY RESPONSE DIAGRAM



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