

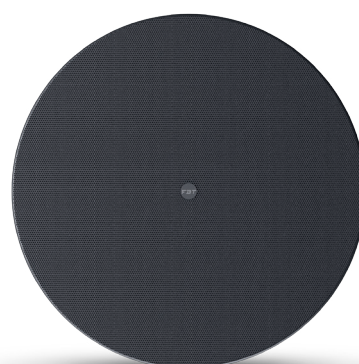
In-ceiling Speaker

MAIN FEATURES

- 2-way configuration
- 6.5" LF woofer with 1" coil
- 0.75" HF driver with 0.75" coil
- Recommended amplifier: 120W / 16 Ohm
- Frequency response from 68Hz to 20kHz
- Transformer taps (@100V): 60/30/15W bypass
- ABS cabinet with scratch-resistant paint and magnetic steel front grille
- Springlock mounting clamps installation
- Ceramic terminal block
- EN 54-24 Certificate of Conformity / TYPE A
- Ideal match with ELYSION 8S subwoofer
- Available in black and white colours

DESCRIPTION

ELYSION 6CT is a two-way in-ceiling speaker with a 6.5" LF woofer, it is ideally suited for applications that demand top-notch music reproduction, clear speech intelligibility and a sleek design that seamlessly blends into any environment. ELYSION 6CT meets the following performance criteria: recommended amplifier power of 120W/16 Ohm, capable of achieving 106.5dB SPL, and a frequency response from 68Hz to 20kHz. Easy to install, ELYSION 6CT is equipped with a spring-lock mounting and a safety hook front power switch, a line transformer with taps 60/30/15W bypass and ceramic terminal block. Available in black and white colours, ELYSION 6CT is made of ABS with scratch-resistant paint and a magnetic front steel grille, and it is certified EN 54-24:2008.



PRELIMINARY

EN 54-24:2008

**EN 54-24:2008 - TYPE A
IN CERTIFICATION**

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

TECHNICAL SPECIFICATIONS

GENERAL

Code	Black	47328
	White	47329
Configuration	way	2
Low frequency woofer	inch	6.5 - 1 coil
High frequency driver	inch	0.75 - 0.75 coil
Operating / Storage temperature	°C	-25 ÷ +55 / -40 ÷ +70
Relative humidity		<95%

ACOUSTIC SPECIFICATIONS

Frequency response (@-6dB)	Hz	68 - 20k
Sensitivity (@1W/1m)	dB	89.5
MAX SPL (1m/4m)	dB	106.5 / 94.5
Dispersion (@-6dB) Horizontal = Vertical		178° (500Hz)
		148° (1kHz)
		73° (2kHz)
		105° (4kHz)
		70° (8kHz)
Recommended HP filter	Hz-24 oct.	60 - 24

INPUT & OUTPUT

Input connectors		Ceramic terminal block
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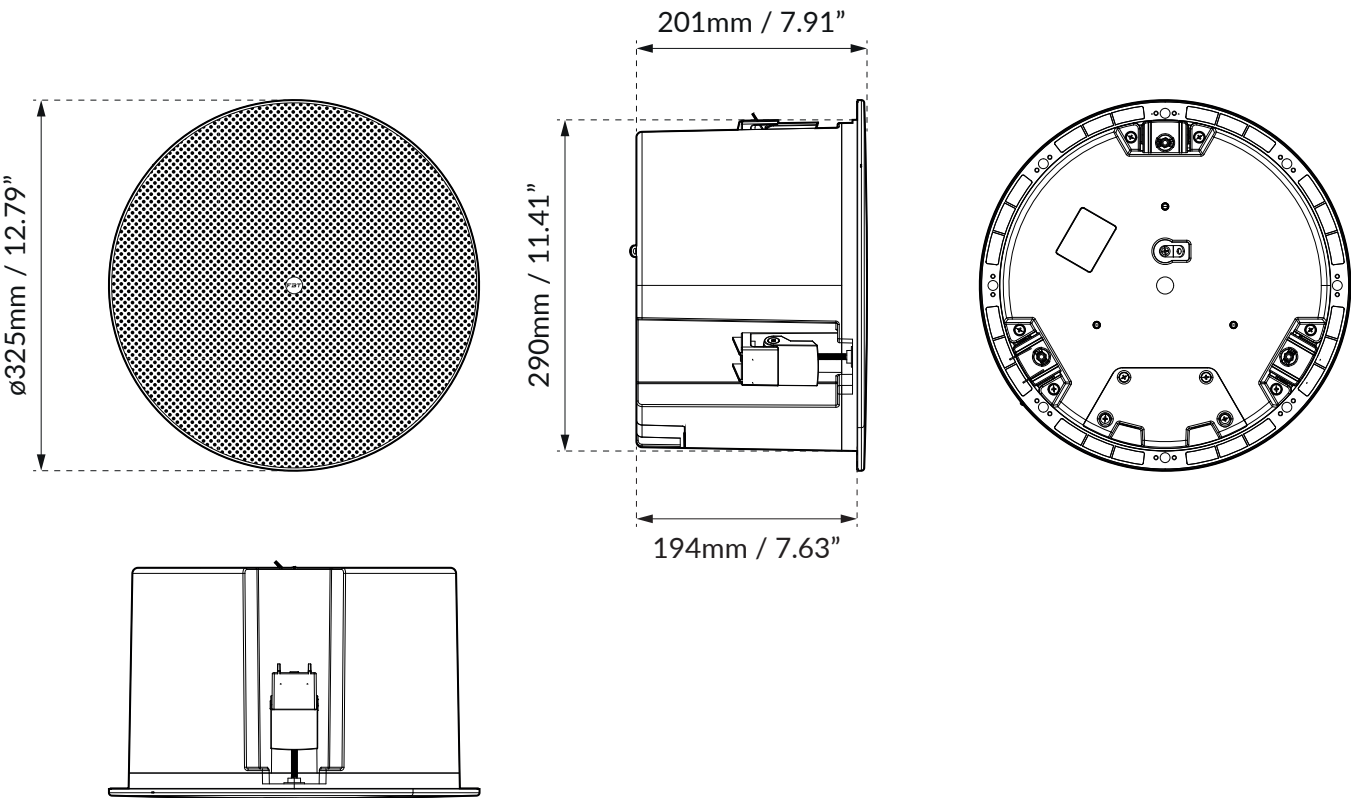
AMPLIFIER

Recommended amplifier	W RMS	120
Rated noise power 100hrs	W (V RMS)	60 (31)
Nominal impedance	Ohm	16
Nominal impedance 100V line	Ohm (W)	666 (15)
		333 (30)
		166 (60)
Nominal impedance 70V line	Ohm (W)	83 (60)

MECHANICAL SPECIFICATIONS

Material	Cabinet	ABS
	Grille	Steel
Net dimensions (WxHxD)	mm	ø325 x 201
	inch	ø12.79 x 7.91
Net weight	kg	4.2
	lb	9.25

DIMENSIONAL DRAWING



CONTROL PANEL

FBT
ELYSION 6CT
IN-CEILING SPEAKER

TECHNICAL SPECIFICATIONS
RATED NOISE POWER (100 hrs): 60W
NOMINAL IMPEDANCE: 16Ω
RATED NOISE VOLTAGE:
100V - 60W/30/15W | 70V - Half power

EN 54-24: 2008 / TYBE B
CPR: 0068-CPR-XXX/202X
DOP: 0068-CPR-XXX/202X

SERIAL NUMBER

MADE IN CHINA | ENGINEERED by
FBT ELETTRONICA SpA, RECANATI (MC)

CE UK CA

FREQUENCY RESPONSE DIAGRAM

