

Ray-On

# B70TC

Single channel sound bar

Based on the expertise of Active Audio in the field of directivity control by loudspeakers arrays, the Ray-On B70TC sound bar focuses on the directivity control of loudspeaker alignments on the horizontal plane.

The elegant design and the finesse of the B70TC enclosure combined with its horizontal laying mode allow to obtain an easy and aesthetic integration.

B70TC is designed for the sound reinforcement of longilineal spaces such as corridors, shopping alleys, railway platforms, subway stations, meeting rooms.

The directivity of the B70TC provides excellent intelligibility, even in reverberant and noisy spaces.

It also allows to limit the noise pollution on the adjacent areas: neighbourhood of station docks, shops in a shopping arcade, screens in a museum, Visio-Conferences spaces in an open-space offices...

The ray-on B70TC operates in  $8\Omega$  and 70/100V mode, and is certified EN54-24.

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Max SPL: 97dB at 5m

Advantage of B70TC: Optimised horizontal coverage

Bandwidth: 120Hz-18kHz

Continuous Power: 75W

IP55

Paintable

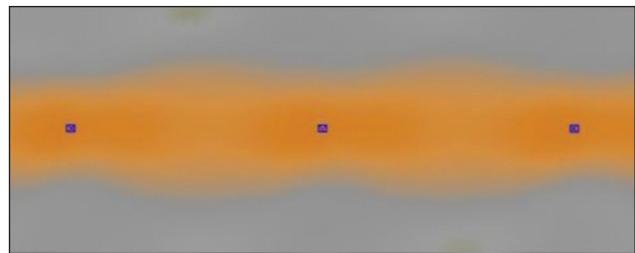
**EN54-24**  
TYPE B

5 years warranty

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Advantage of B70TC: Optimised horizontal coverage



Direct sound at 1kHz on a 10m wide path with Ray-on B70TC spaced by 10m, installation height 5, 5m: attenuation -10dB at the edges.



Direct sound at 1kHz obtained with 6" ceiling loudspeakers spaced by 5m, installation height 5,5m: attenuation of -3dB on the edges.

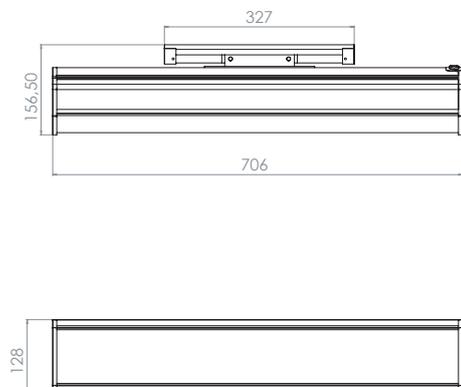
Active  
audio

# B70TC

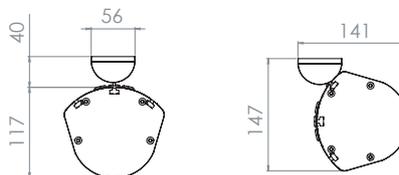
## Technical Specifications

### Mechanical drawing

Front views



Top views



### Technical Specifications

#### Acoustical data

Opening angle 500Hz-2kHz (at -6dB):

Longitudinal plan	40°
Transverse plan	180°

SPL max	97dB at 5m (111 at 1m) *
SPL max wideband	92dB at 5m (75W)
Efficiency	74dB at 5m (1W)
Bandwidth (à -10dB)	120Hz - 18kHz
Drivers	7 x 2,5"

#### Mechanical data

Net weight	5,4 kg
Shipping weight	5,9 kg
Height	706 mm
Width	128 mm
Depth	117 mm
Standard colors	White RAL 9016 Black RAL 9005
Material	Aluminium body, treated steel Rustproof and UV proof

#### Electrical data

Impedance	8Ω	556/278/139Ω
Continuous power	75W	18W/36W/72W
Connector	Lever quick connector with loop-thru	
Wiring	2 wires, from 0,5 to 2,5mm <sup>2</sup>	

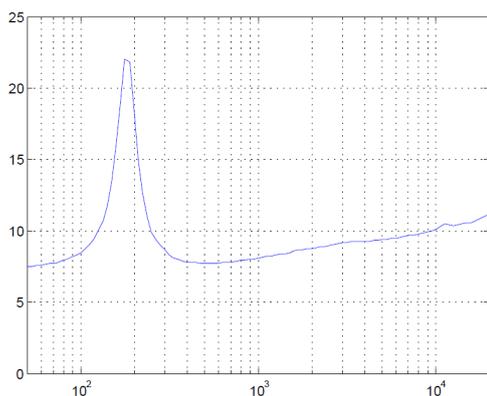
#### Tuning and exploitation

Recommended equalisation	5 param Cells
Modeling	EASE et CATT-Acoustic™
Environnement	IP55 from -25°C to 55°C / IK08 indoor & outdoor
Certification	Compatible EN54-24 type B
Mounting	Surface mount or hanged

\*Estimated sound level based on a 6dB decreased by doubling distance from the measure pressure level at 5m.

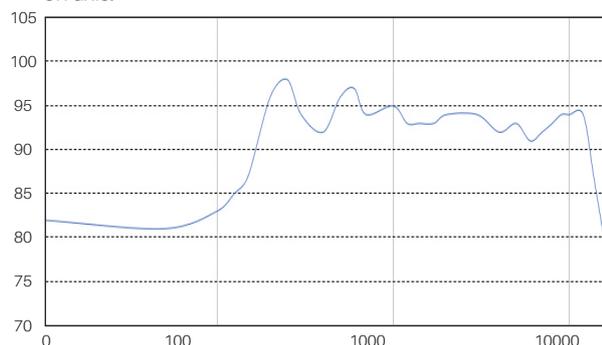
### Impedance curve

Impedance curve of B70TC.



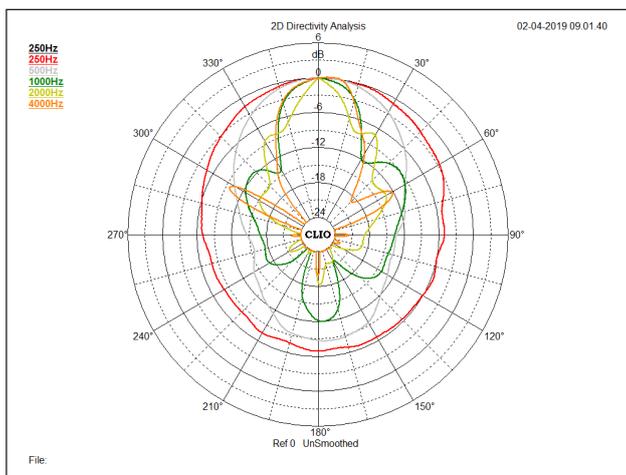
### Frequency response

B70TC frequency response with recommended equalisation at 2m on axis.



# Polar diagrams

Transversal polarity (10dB / div)



Longitudinal polarity (10dB / div)

