

## Ray-On PoE

Ray-On PoE serie allows to the patented DGRC (Digital and Geometric Radiation Control) technology to be easily integrated in smart buildings. This innovation yield homogenous sound coverage and perfect intelligibility. The elegant design of Ray-On loudspeakers with their finely perforated grid, the ability to dispose of all colors thanks to a paintable cast aluminium body, and the vertical installation of the columns inherent to the DGRC technology allow achieving optimal results in terms of aesthetics and integration.

Based on the expertise of Active Audio in the field of directivity control by loudspeakers arrays, the Ray-On B70PoE sound bar focuses on the directivity control of loudspeaker alignments on the horizontal plane.

The directivity of the B70 provides excellent intelligibility, even in reverberant and longilineal spaces or to limit the noise pollution on the adjacent areas in shopping malls or museums.

The elegant design and the finesse of the B70PoE enclosure combined with its horizontal laying mode allow to obtain an easy and aesthetic integration.

The integrated 60W PoE+ amplifier module allows to power and put audio signal in the column with a single CAT6 cable. Ray-OnB70 PoE can be installed close to any RJ45 socket connected to a network switch with a PoE+ port.

Equipped with an AES67 compatible DANTE input on RJ45 connector, Ray-OnB70PoE is designed to be integrated into complex digital networks. The internal DSP of the enclosure provides an optimal frequency response.

With a similar design Ray-On R70PoE exists in 75W low impedance or 70V/100V version under the reference Ray-On B70 TC.



# B70PoE

Network powered single channel sound bar

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Max SPL: 94dB at 5m

Advantage of B70: Optimised horizontal coverage

Bandwidth (-10dB) : 120Hz-18kHz

Continuous output power: 60W

 **Dante**™ / AES67

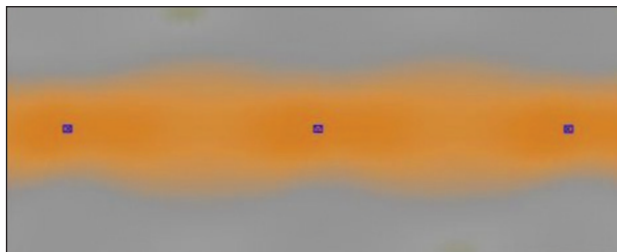
Paintable

5 years warranty

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Advantage of B70: Optimised horizontal coverage



Direct sound at 1kHz on a 10m wide path with Ray-on B70 spaced by 10m, installation height 5, 5m: attenuation -10dB at the edges.



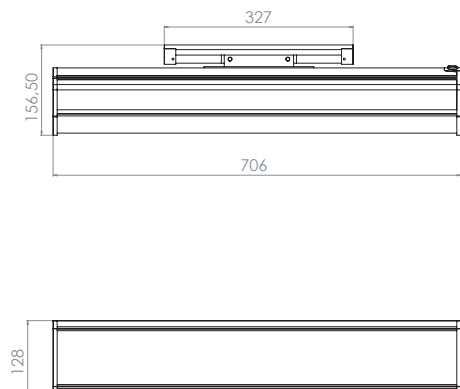
Direct sound at 1kHz obtained with 6" ceiling loudspeakers spaced by 5m, installation height 5,5m: attenuation of -3dB on the edges.

# B70PoE

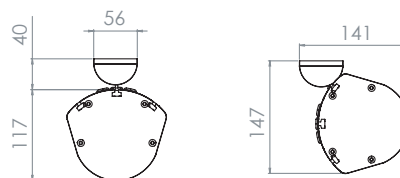
## Technical Specifications

### Mechanical drawing

Front views



Top views



### Technical Specifications

#### Acoustical data

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

Longitudinal plan	40°
Transverse plan	180°

SPL max 94dB at 5m (108 at 1m) \*

Sensitivity 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

Power input PoE+ (30W), 802.3af/at compatibility

Output power 60W

Connector RJ 45

#### Tuning and exploitation

Recommended equalisation 5 param Cells

Modeling EASE et CATT-Acoustic™

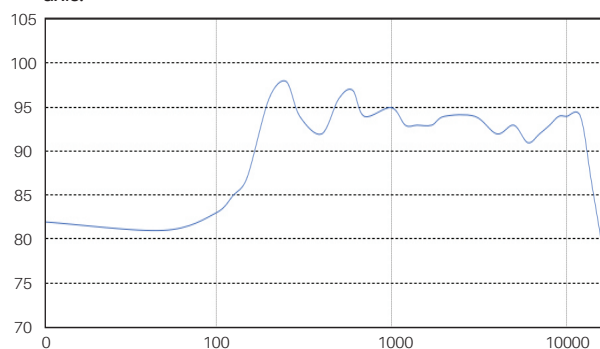
Environnement From -25° to 55°C IP23 indoor

Mounting Surface mount or hanging

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

#### Frequency response

B70 frequency response with recommended equalisation at 5m on axis.



Horizontal polar (10dB / div)

