



# High Quality Column-Speaker



## Pan Beam® PB 8-15 – Features

- High Quality Loudspeakers for Outdoor use capability
- -30° to +70° C Temperature Range
- High Speech Intelligibility even in highly reverberant or noisy environments
- High quality Drivers for clear music reproduction
- 200 Watt max
- Slim Compact Design: 906 mm x 99 mm x 94 mm
- Lightweight: 5 kg
- Wide Horizontal Dispersion: 140°
- Wall-Mounting-Hardware included
- Mounting options for fixed installation and portable use
- Other products available in the PanBeam®-Family:  
PB 08, PB 16, PB 16-C, PB 24, PB 32, PB 40, PB 224,  
P 248, PB-S 208
- Engineered and manufactured in Germany



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## Pan Beam® PB 8-15 Technical Data

<b>Power Handling</b>	passive 150 Watt max., 200 W peak (Requirements: High pass cut off 135 Hz, 24 dB octave)
<b>Configuration</b>	passive Fullrange-System 15 x High Quality long excursion Drivers
<b>Sensitivity</b>	89 dB [1W / 1m]
<b>Nominal Impedance</b>	8 Ohm 100Volt-input optional
<b>Acoustical Performance</b>	
Operating Range:	135 Hz to 18 kHz (+3 / -10 dB)
Nominal Bandwidth:	horizontal: 140°
SPL-Limit (avg):	110 dB A-weighted [1 W / 1m]
SPL-Limit (peak):	113 dB [1 W / 1m] (Remark: Full Room Measurement)
<b>Mechanical Performance</b>	
Enclosure:	rear extruded aluminum
Grill:	powder-coated perforated steel
Color	aluminum RAL 9006
Dimensions:	906 x 99 x 94 mm
Weight:	5 kg
<b>Temperature Range</b>	-30° to +70° C ambient
<b>Standard</b>	IP-54- Classification for outdoor using and constant voltage available

**Pan Acoustics reserves the right to make changes without prior notification.**



# High Quality Column-Speaker

## Pan Beam® PB 8-15 Technical Data

The Pan-Beam® series offers a high quality solution in nearly every architecturally demanding sound installation.

Pan-Beam® consists of several types, it is a family.

For active control and electronically steerable columns please choose the type PB 08, PB 16, PB 16-C PB 24, PB 32, PB 224 or PB 248.

The PanBeam® P8-15 is ideally suited for smaller environments with unfavorable acoustical circumstance, where improved speech intelligibility is required.

The PanBeam® P8-15 is equipped with 15 high quality loudspeakers for very good sound reproduction in the higher frequencies even at high sound pressure levels.

A single PanBeam® P8-15 is capable of covering an audience-area of up to 25 m, giving a quite constant sound pressure and clarity over the complete distance.

Wall mounting hardware is included.

## Pan Beam® PB 8-15 Technical Data

### PanBeam® Product-Family

PanBeam® is a family of several intelligent models: for active control and electronically steerable columns please choose the type PB 08, PB 16, PB 16-C, PB 24, PB 32, PB 224, PB 248. More PanBeam®-Products will be released in the near future.

### Typical Applications

churches, museums, railway-stations, conference facilities, lecture halls, shopping malls, A/V presentation rooms, fill or delay System in larger installations

### Available Options

full range of mounting accessories, color matching service

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# High Quality Column-Speaker

**Suggested Processor-Filterdata for Pan Beam PB8-15 passive**

	HP	PEQ1	PEQ2	PEQ3	PEQ4	PEQ5	PEQ6
<b>Frequenz</b>	150	250	500	1350	2500	4600	10000
<b>Q-factor</b>	24dB/OCT	Q=1	Q=2,9	Q=1,5	Q=2,9	Q=2,9	Q=1,5
<b>Gain</b>		-5dB	-3dB	+2dB	-3dB	-2dB	+4dB