



The use of ordinary PA loudspeaker in places with high ambient noise such as in basement car parks, open air theme parks or in heavy machinery rooms proves to be insufficient to cut through the severe acoustic condition to get the message across to the listener. The PLS Series Projector Loudspeakers provide an excellent solution to speech reproduction and sound distribution in such conditions.

Constructed from high impact ABS, the units are strong but lightweight and resistant to corrosion and UV light. They are dust and water protected to IP65 (in accordance to IEC 529), thus ideal for outdoor applications with harsh environmental conditions.

The PLS Series Projector Loudspeaker is transformerised for 100 V / 70 V line distributed loudspeaker system and come with a swivel mounting bracket for final positioning adjustment.

- Compact projector loudspeaker, excellent for speech intelligibility and capable of producing high sound pressure levels, suitable for places with high ambient noise and long throw applications.
- Easy selectable power tapings via a multi-core cable.
- Corrosion-free ABS material and robust construction which is dust and water protected to IP65, comes equipped with a swivel mounting bracket and a 100 V / 70 V line matching transformer.
- Frequency response of unit designed to emphasise on the vocal range for optimum speech intelligibility.



**PLS 610**



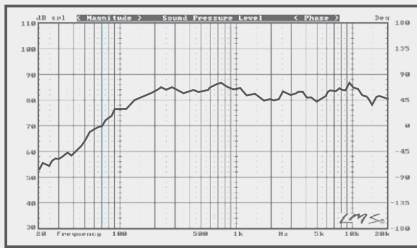
**PLS 630**

## Technical Specifications

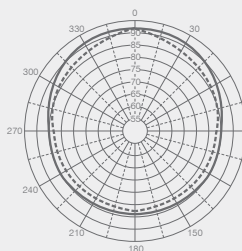
	PLS 610	PLS 630
Rated Input	100 V : 10 W (10 - 5 - 2.5 W)	100 V : 30 W (30 - 15 - 7.5 W)
Maximum Power	15 W	45 W
Rated Impedance	1 K $\Omega$ (1 - 2 - 4 K $\Omega$ )	330 $\Omega$ (330 - 670 - 1300 $\Omega$ )
Sensitivity (1W / rated at 1 m)	92 / 102 dB	92 / 106 dB
Coverage Angle (1 kHz, -6 dB)	180°	180°
Frequency Response	150 Hz ~ 15 kHz	100 Hz ~ 16 kHz
Speaker Component	120 mm Dynamic Full Range Loudspeaker	120 mm Dynamic Full Range Loudspeaker
Safety	Acc. to EN 60065	Acc. to EN 60065
Dust & Water Protection	IP65	IP65
Operating Temperature	-10 to 58 °C	-10 to 58 °C
Dimensions	Dia. 138×205 mm	Dia. 161×240 mm

## Frequency Response

### PLS 610

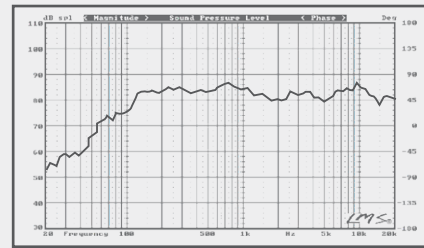


\* at 1W / 1m

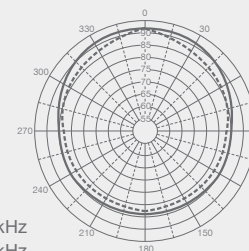


— 1 kHz  
- - - 4 kHz

### PLS 630



\* at 1W / 1m

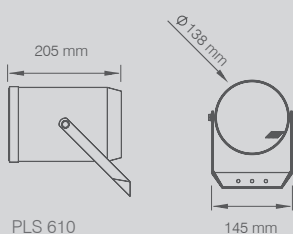


— 1 kHz  
- - - 4 kHz

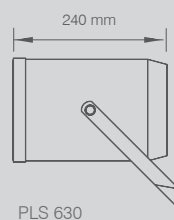
## Engineers' Specifications

The projector loudspeaker shall be constructed from UV Resistive ABS in White with a fine metal mesh front. The unit shall have an effective coverage angle of 180 deg (H) x 180 deg (V). The projector loudspeaker shall be incorporated with a 120 mm dynamic full range loudspeaker (PLS 610) / 160 mm dynamic full range loudspeaker (PLS 630) component. The unit shall be environmentally protected to IP 65 and shall come with a swivel mounting bracket.

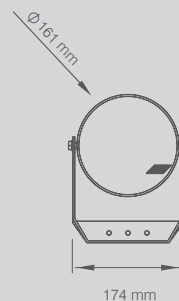
A line matching transformer shall be provided with multiple tapings of 2.5,5,10 W (PLS 610) / 7.5,15,30 W (PLS 630) rated at 100 V line suitable for distributed loudspeaker system. The unit shall have a useable frequency range of 150 Hz ~ 15 kHz (PLS 610) / 100 Hz ~ 16 kHz. (PLS 630). The weight of the projector loudspeaker unit shall not exceed 1.60 kg (PLS 610) / 1.75 kg (PLS 630).



PLS 610



PLS 630



174 mm