



The use of ordinary PA loudspeakers 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 with IEC 529), thus ideal for outdoor applications with harsh environmental conditions. The PLS Series Projector Loudspeaker is transformerized for 100 V / 70 V line distributed loudspeaker systems and comes with a swivel mounting bracket for final positioning adjustment.

- Delivers clear, natural speech and gentle background music through a wide-band driver tuned for even, consistent coverage.
- Fully weatherproof to IP65, ready for permanent outdoor mounting and regular wash-down.
- PLS 610, 100 V line taps: 10 W, 5 W, 2.5 W.
- PLS 630, 100 V line taps: 30 W, 15 W, 7.5 W.
- Discreet moulded ABS enclosure finished in white, set behind a steel grille, resists moisture and impact while sitting light and unobtrusive in the ceiling or on the wall.
- PLS 610, Ø138 × 205 mm, 1.32 kg.
- PLS 630, Ø161 × 240 mm, 1.90 kg.
- Purpose-built for corridors, stairwells, platforms and walkways needing directional coverage.



PLS 610

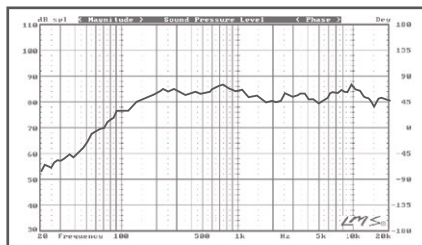


PLS 630

## Technical Specification

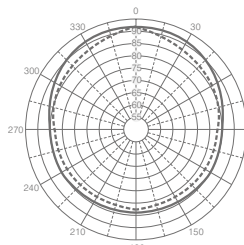
|                                    | PLS 610                                                                                | PLS 630                                                                                |
|------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <b>Rated Input</b>                 | 100 V : 10W (10W - 5W - 2.5W)                                                          | 100 V : 30W (30W - 15W - 7.5W)                                                         |
| <b>Rated Impedance</b>             | 1.0k $\Omega$ , 2.0k $\Omega$ , 4.0k $\Omega$                                          | 0.3k $\Omega$ , 0.7k $\Omega$ , 1.3k $\Omega$                                          |
| <b>Maximum Power</b>               | 15 W                                                                                   | 45 W                                                                                   |
| <b>Frequency Response</b>          | 150 Hz - 15 kHz                                                                        | 100 Hz - 16 kHz                                                                        |
| <b>Sensitivity 1W @ 1m</b>         | 92 / 102 dB                                                                            | 92 / 106 dB                                                                            |
| <b>Coverage Angle (1kHz, -6dB)</b> | 180°                                                                                   | 180°                                                                                   |
| <b>Speaker Component</b>           | 120 mm Dynamic Full-range Loudspeaker                                                  | 160 mm Dynamic Full-range Loudspeaker                                                  |
| <b>Safety</b>                      | Acc. to EN 60065                                                                       | Acc. to EN 60065                                                                       |
| <b>Operating Temperature</b>       | -10 to 58°C                                                                            | -10 to 58°C                                                                            |
| <b>Dust &amp; Water Protection</b> | IP65                                                                                   | IP65                                                                                   |
| <b>Material &amp; Finish</b>       | Enclosure: ABS, white<br>Grille: Treated Steel, white<br>Bracket: Treated Steel, white | Enclosure: ABS, white<br>Grille: Treated Steel, white<br>Bracket: Treated Steel, white |
| <b>Dimensions</b>                  | Dia. 138×205 mm                                                                        | Dia. 161×240 mm                                                                        |
| <b>Weight</b>                      | 1.32 kg                                                                                | 1.90 kg                                                                                |

## Frequency Response

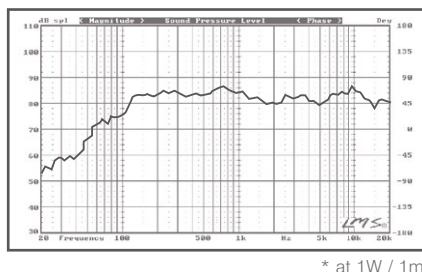
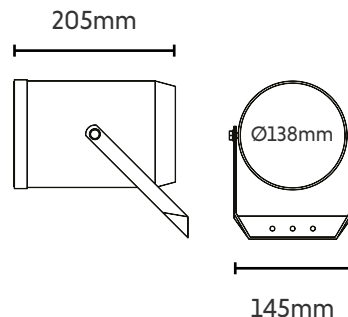


PLS 610

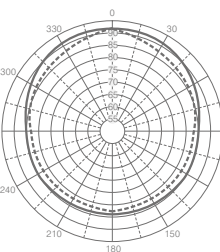
## SPL Polar Plot



PLS 610



PLS 630



PLS 630

