

PC-1868W-EB ceiling speaker sound pressure level chart

As an index to express the intensity of sound from a speaker sound pressure level (dB) is generally used. The sound pressure level rises as the electrical input to the speaker increases and falls as the distance from the speaker increases.

The below chart shows the approx sound pressure level achieved at varying distances and electrical inputs (w)

Distance from speaker (m)		1	2	5	10	15	20	30	40
Electrical input (w)	1	90dB	86dB	76dB	70dB	66.5dB	64dB	60.5dB	58dB
	1.5	92.6dB	86.6dB	78.6dB	72.6dB	69.1dB	66.6dB	63.1dB	60.6dB
	3	94.8dB	88.8dB	80.8dB	74.8dB	71.3dB	68.8dB	65.3dB	62.8dB
	6	97.8dB	91.8dB	83.8dB	77.8dB	74.3dB	71.8dB	68.3dB	65.8dB