Comparison Matrix: Ceiling Loudspeakers

Model	AC-C2T	AC-C4T	AC-C6T	AC-C8T	AD-C4T	AD-C4T-LP	AD-C6T	AD-C6T-LP	AD-C821	AD-C1200	AD-C81Tw
Series	AcousticCoverage™	AcousticCoverage™	AcousticCoverage™	AcousticCoverage™	AcousticDesign™	AcousticDesign™	AcousticDesign™	AcousticDesign™	AcousticDesign™	AcousticDesign™	AcousticDesign™
LF Transducer	2.75 in	4 in	6 in	8 in	4.5 in	4.5 in	6.5 in	6.5 in	8 in	12 in	8 in
HF Transducer	N/A	N/A	0.86 in	0.86 in	0.75 in	0.75 in	0.75 in	0.75 in	1.4 in	1.75 in	NA
Coverage	170° conical	140° conical	110° conical	100° conical	150° conical DMT	150° conical DMT	135° conical DMT	135° conical DMT	90° conical DMT	85° conical DMT	180 conical DMT
Response (-10 dB)	70 Hz - 20 kHz	70 Hz - 16 kHz	65 Hz - 20 kHz	52 Hz - 20 kHz	70 Hz - 20 kHz	70 Hz - 20 kHz	65 Hz - 20 kHz	65 Hz - 20 kHz	52 Hz - 18 kHz	37 Hz - 18 kHz	28 Hz - 208 Hz
Sensitivity (1w @ 1m)	84 dB	89 dB	89 dB	89 dB	87.5 dB	87 dB	88 dB	88 dB	91 dB	93 dB	92 dB
Program Power	32 watts	32 watts	60 watts	160 watts	60 watts	60 watts	120 watts	120 watts	400 watts	600 watts	200 watts
Peak SPL	102 dB	107 dB	110 dB	114 dB	108 dB	108 dB	112 dB	112 dB	120 dB	124 dB	118 SPL
Nominal Impedance	8 ohm	8 ohm	8 ohm	8 ohm	16 ohm	16 ohm	16 ohm	16 ohm	16 ohm	16 ohm	8 ohm
70/100v Maximum Tap	16 watts	16 watts	30 watts	60 watts	30 watts	30 watts	60 watts	60 watts	100 watts	150 watts	60 watts
Low-Z Selectable	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Input Connector Type	4 Pole Euroblock	4 Pole Euroblock	4 Pole Euroblock	4 Pole Euroblock	4 Pole Euroblock	4 Pole Euroblock	4 Pole Euroblock	4 Pole Euroblock	4 Pole Euroblock	Ceramic & 4 Pole Euro	Ceramic & 4 Pole Euro
Baffle Material	ABS Polymer	ABS Polymer	ABS Polymer	ABS Polymer	UL 94V-0 rated ABS	UL 94V-0 rated ABS	UL 94V-0 rated ABS	UL 94V-0 rated ABS	HIPS	HIPS	HIPS
Enclosure Material	Powder coated steel	Galvanized steel	Galvanized steel	Galvanized steel	Powder coated steel	Powder coated steel	Powder coated steel	Powder coated steel	Zinc plated steel	Zinc plated steel	Powder coated steel
Install Depth	7.52 in (191 mm)	7.52 in (191 mm)	8.03 in (204 mm)	10.59 in (270 mm)	6.8 in (172 mm)	3.75 in (95 mm)	9.1 in (232 mm)	3.75 in (95 mm)	11.5 in (291 mm)	15.2 in (386 mm)	14.5 in (368 mm)
Grill Material	Painted steel	Painted steel	Painted steel	Painted steel	Powder coated steel	Powder coated steel	Powder coated steel	Powder coated steel	Powder coated steel	Powder coated steel	Painted aluminum
Grill Attachment	Compression	Compression	Compression	Compression	Magnetic	Magnetic	Magnetic	Magnetic	Magnetic	Screw	Compression
Agency Rating	UL1480, UL2043, CE	UL1480, UL2043, CE	UL1480, UL2043, CE	UL1480, UL2043, CE	UL1480, UL2043, EN54-24 CE	UL1480, UL2043, CE	UL1480, UL2043, EN54-24 CE	UL1480, UL2043, CE	UL1480, UL2043, BS/EN 60849, CE	UL1480, UL2043, CE	UL1480, UL2043, BS/EN 60849
Intrinsic Correction (Advanced FIR)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Comparison Matrix: Surface Loudspeakers

Model	AC-S4T	AC-S6T	AD-S802T	AD-S162T	AD-S4T	AD-S6T	AD-S8T	AD-S10T	AD-S12	AD-S112sw
Series	AcousticCoverage™	AcousticCoverage™	AcousticDesign™	AcousticDesign™	AcousticDesign™	AcousticDesign™	AcousticDesign™	AcousticDesign™	AcousticDesign™	AcousticDesign™
LF Transducer	4 in	6.5 in	2.5 in (x8)	2.5 in (x16)	4.5 in	6.5 in	8 in	10 in	12 in	12 in
HF Transducer	1 in	1 in	NA	NA	0.75 in	1 in	1 in exit, 1.4 in VC comp.	1 in exit, 1.4 in VC comp.	1 in exit, 1.4 in VC comp.	N/A
Coverage	130° conical	130° conical	170° x 20°	170° x 20° or 30° (selectable)	120° conical DMT	105° conical DMT	105° conical DMT	90° conical DMT	75° conical DMT	N/A
Response (-10 dB)	70 Hz - 20 kHz	60 Hz - 20 kHz	100 Hz - 17 kHz	85 Hz - 17 kHz	68 Hz - 20 kHz	60 Hz - 20 kHz	55 Hz - 20 kHz	50 Hz - 19k Hz	52 Hz - 20 kHz	30 Hz - 135 Hz
Sensitivity (1w @ 1m)	85 dB	86 dB	87 dB	W 88 dB N 89 dB	87 dB	89 dB	90 dB	92 dB	95 dB	90 dB
Program Power	32 watts	60 watts	240 watts	400 watts	100 watts	300 watts	400 watts	500 watts	600 watts	600 watts
Peak SPL	103 dB	107 dB	114 dB	W 117 dB N 118 dB	110 dB	116 dB	119 dB	122 dB	126 dB	121 dB
Nominal Impedance	8 ohm	8 ohm	8 ohm	8 ohm	8 ohm	8 ohm	8 ohm	8 ohm	8 ohm	8 ohm
70/100v Maximum Tap	16 watts	30 watts	60 watts	120 watts	30 watts	60 watts	60 watts	100 watts	N/A	N/A
Low-Z Selectable	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Input Connector Type	4 Pole Euroblock	4 Pole Euroblock	4 Pole Euroblock	4 Pole Euroblock	4 Pole Euroblock	4 Pole Euroblock	4 Pole Euroblock	4 Pole Euroblock	4 Pole Euroblock	4 Pole Euroblock
Enclosure Material	ABS polymer	ABS polymer	Extruded aluminum	Extruded aluminum	ABS polymer	ABS polymer	ABS polymer	ABS polymer	ABS polymer	ABS polymer
Grille Material	Powder coated steel	Powder coated steel	Powder coat aluminium	Powder coat aluminium	Powder coated aluminum	Powder coated aluminum	Powder coated aluminum	Powder coated aluminum	Powder coated aluminum	Powder coated aluminum
Mounting Material	Powder coated aluminum	Powder coated aluminum	Powder coated steel	Powder coated steel	Powder coated aluminum	Powder coated aluminum	Powder coated aluminum	Powder coated aluminum	Powder coated aluminum	Powder coated aluminum
Mounting System	Yoke	Yoke	Pan / Tilt Wall Bracket	Pan / Tilt Wall Bracket	X-Mount™	X-Mount™	X-Mount™	X-Mount™	X-Mount™	Yoke
Ingress Protection	IP 44	IP 44	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54
Sealed Input Weather Cover	X	X	✓	✓	✓	✓	✓	✓	✓	✓
Intrinsic Correction (Advanced FIR)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DMT (Directivity Matched Transition™)	X	X	X	X	✓	✓	✓	✓	✓	✓

Comparison Matrix: Pendant Loudspeakers

Model	AD-P4T	AD-P6T
Series	AcousticDesign™	AcousticDesign™
LF Transducer	4.5 in	6.5 in
HF Transducer	0.75 in	0.75 in
Coverage	150° conical	135° conical
Response (-10 dB)	65 Hz - 20 kHz	56 Hz - 20 kHz
Sensitivity (1w @ 1m)	88 dB	88 dB
Program Power	60 watts	120 watts
Peak SPL	108 dB	112 dB
Nominal Impedance	16 ohm	16 ohm
70/100v Maximum Tap	30 watts	60 watts
Low-Z Selectable	✓	✓
Input Connector Type	4 Pole Euroblock	4 Pole Euroblock
Enclosure Material	UL 94V-0 rated ABS	UL 94V-0 rated ABS
Grille Material	Powder coated steel	Powder coated steel
Grille Attachment	Magnetic	Magnetic
Agency Rating	UL1480	UL1480 CE
Ingress Protection	IP 54	IP 54
Intrinsic Correction (Advanced FIR)	✓	✓

Comparison Matrix: Performance Loudspeakers

Model	AP-4122m	AP-5102	AP-5122	AP-5122m	AP-5152	AP-212sw
Series	AcousticPerformance™	AcousticPerformance™	AcousticPerformance™	AcousticPerformance™	AcousticPerformance™	AcousticPerformance™
LF Transducer	12 in	10 in	12 in	12 in	15 in	2x 12 in
HF Transducer	1.75 in VC comp (coax)	3 in VC comp	3 in VC comp	3 in VC comp	3 in VC comp	
Coverage	90° conical DMT	105° conical DMT	90° conical DMT	90° conical DMT	75° conical DMT	
Response (-10 dB)	50 Hz - 18 kHz	60 Hz - 18 kHz	48 Hz - 18 kHz	55 Hz - 18 kHz	44 Hz - 18 kHz	35 Hz - 250 Hz
Sensitivity (1w @ 1m)	96 dB	94 dB	95 dB	95 dB	96 dB	93 dB
Program Power	800 watts	900 watts	1100 watts	1100 watts	1250 watts	1200 watts
Peak SPL	128 dB	127 dB	128 dB	128 dB	129 dB	127 dB
Nominal Impedance	4 ohm	8 ohm	8 ohm	8 ohm	8 ohm	4 ohm
Input Connector Type	2x NL4	Barrier strip, NL4	Barrier strip, NL4	2 x NL4	Barrier strip, NL4	2x NL4 (crossed)
Enclosure Material	15-ply baltic birch	15-ply baltic birch	15-ply baltic birch	15-ply baltic birch	15-ply baltic birch	15-ply baltic birch
Grille Material	Powder coated steel	Powder coated steel	Powder coated steel	Powder coated steel	Powder coated steel	Powder coated steel
Rigging Points	11	15	15	11	15	✗
Available Yoke Mount	✓	✓	✓	✓	✗	✗
Bi-Amp / Passive Switchable	✗	✓	✓	✓	✓	✗
Unadorned Badging	✓	✓	✓	✓	✓	✓
DMT (Directivity Matched Transition™)	✓	✓	✓	✓	✓	✗
Under Stage Clear Height	✗	✗	✗	✗	✗	15.25 in
Caster Accessory	✗	✗	✗	✗	✗	✓
Vertical & Horizontal Pole Cups	✗	✗	✗	✗	✗	✓
Intrinsic Correction (Advanced FIR)	✓	✓	✓	✓	✓	✓