



CSL-6106/ CSL-6112/ CSL-6120

Ceiling Speakers

Features

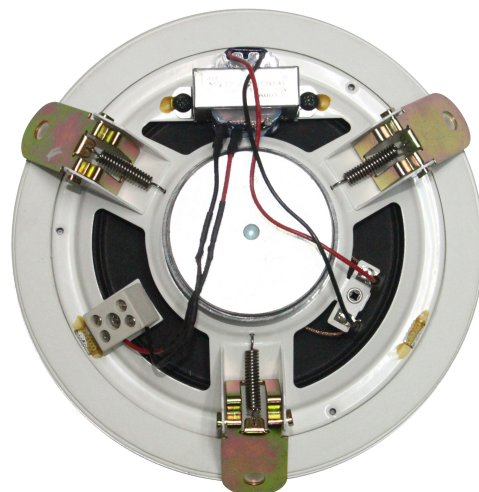
- 6.5" full range transducer
- 6 W - 12 W - 20 W
- 70/100 V
- 74 mm shallow
- EN 54-24



CSL-6106, CSL-6112 and CSL-6120 are ceiling speakers specially designed for indoor public address applications. These are the ideal solution for theme parks, commercial centers, train stations, airports, car parks and other applications where message paging and background music are required. They are EN 54-24 compliant, so they can be used as part of a voice alarm system.

CSL speakers are equipped with a full range 6 ½" (16.5 cm) transducer mounted on a robust metal chassis. It delivers sensational speech intelligibility and large frequency response for background music. The 100V line transformer delivers from 6 W to 20 W depending on the models.

The plastic dome is rated 5VB and protects the speaker against the fire and intrusive materials. The speakers are 60 mm shallow which is convenient when the space is limited in a solid or tile ceiling. The quick and easy setting is done by using spring hooks for a solid and safety installation.



Specifications

MODEL	CSL-6106	CSL-6112	CSL-6120
System type	Ceiling Speaker		
Standard	European Standard EN 54-24 /2008; Certification no. 1438-CPR-0363 Loudspeaker for voice alarm systems for fire detection and fire alarm system		
Environment Type	Type A (Indoor applications)		
Transducer LF	6.5" full range paper speaker	6.5" full range paper speaker	6.5" full range paper speaker
Frequency Response	110Hz ~ 20kHz	110Hz ~ 20kHz	95Hz ~ 20kHz
Rated Noise Power	6W (100V and 70V line)	12W (100V and 70V line)	20W (100V and 70V line)
Rated Impedance	(100V line)	1667Ω (6W) 3333Ω (3W) 6667Ω (1.5W)	833Ω (12W) 1667Ω (6W) 3333Ω (3W)
			500Ω (20W) 1000Ω (10W) 2000Ω (5W)
	(70V line)	817Ω (6W) 1667Ω (3W) 3333Ω (1.5W)	408Ω (12W) 817Ω (6W) 1667Ω (3W)
			245Ω (20W) 500Ω (10W) 1000Ω (5W)
	Sensitivity (500Hz - 5kHz pink noise)	92dB (1W, 1m)	93dB (1W, 1m)
	(100Hz - 10kHz pink noise, according to EN54-24)	79dB (1W, 4m)	79dB (1W, 4m)
Max SPL	(100Hz - 10kHz pink noise, according to EN54-24)	85dB (6W, 4m)	87dB (12W, 4m)
	(100Hz - 10kHz pink noise, converted based on EN54-24)	98dB (6W, 1m)	98dB (12W, 1m)
Coverage Angle (-6dB)	(500Hz)	180°	180°
	(1kHz)	180°	180°
	(2kHz)	150°	150°
	(4kHz)	55°	55°
Operating Temperature	-10°C to +50°C		
Applicable Cable	Solid wire: ϕ 0.8mm ² (18 AWG) UL2464		
Cable Connection	Screw connector (steatite terminal x2) bridging		
Finish	Baffle: steel, painted		
	Grille: Steel net		
	Fire Dome: 5VB plastic		
	Mounting Bracket: trivalent chromate treatment plating		
Weight (incl. bracket and fire dome)	0.88kg	0.96kg	1.10kg
Dimensions	ϕ 199 x 13mm (exposed section) + 74(D) mm		
Dimensions for Fixing Hole	ϕ 178 mm (mounting hole) x 30 mm (maximum ceiling thickness) (ϕ 7" x 1.18")		

Specifications subject to modification without notice