

The CE Series ceiling loudspeakers are specially designed for low ceiling applications such as supermarkets, offices and restaurants. These ceiling loudspeakers are capable of reproducing voice announcements and background music with high clarity.

The unit's impeccable sound quality and broadband frequency response are attributed to its 120 mm dual cone full range loudspeaker component to accurately reproduce the source signal with minimal sound discoloration. Mounted on to a high impact ABS grille with an off-white finish and an aesthetically pleasing front metal mesh for model CE 561M & CE 562M.

Model CE 561 & CE 561M are screw mounted while model CE 562 & CE 562M are designed with a unique torsion spring mounting system for ease of installation without the need of screws. All models come with a multiple impedance line matching transformer, suitable for 70 V or 100 V distributed loudspeaker system with a maximum power handling of 6 W rated at 100 V. Optional metal back enclosure is available for all models.

- Off-white circular flush-mounted high impact ABS grille with an aesthetically pleasing front metal mesh (model CE 561M & CE 562M).
- 120 mm dual cone full range loudspeaker component for a wide frequency response.
- Flush mounted on to the ceiling with the choice of either screw mounting or spring mounting for ease of installation and improved aesthetics.
- Ready fitted line matching transformer with multiple power tapings of 6, 3 & 1.5 W at 100V line (3, 1.5, 0.75 W at 70 V).
- Wide coverage angle reduces the number of loudspeaker units required for evenly distributed sound coverage.
- Optional metal back enclosure available for installations that requires additional protection to the loudspeaker unit.



**CE 561**



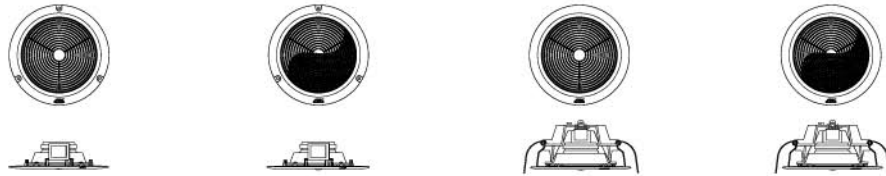
**CE 562**



**CE 561M**



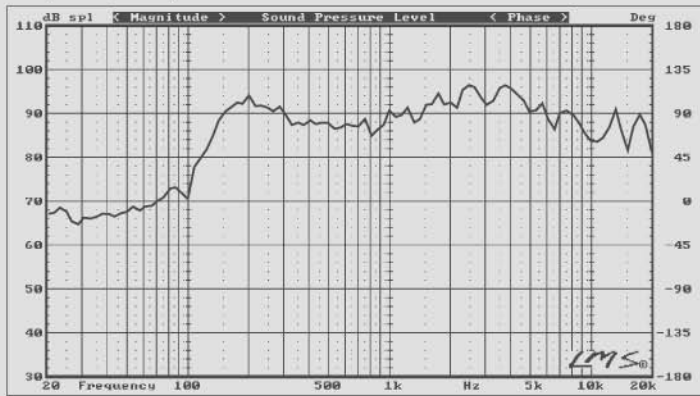
**CE 562M**



## Technical Specifications

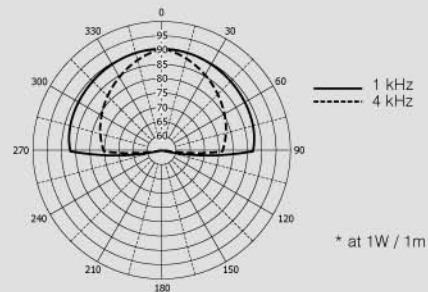
	CE 561	CE 561M	CE 562	CE 562M
Rated Input (100 V)	100 V : 6 W (6 - 3 - 1.5 W) 70 V : 3 W (3 - 1.5 - 0.75 W)	100 V : 6 W (6 - 3 - 1.5 W) 70 V : 3 W (3 - 1.5 - 0.75 W)	100 V : 6 W (6 - 3 - 1.5 W) 70 V : 3 W (3 - 1.5 - 0.75 W)	100 V : 6 W (6 - 3 - 1.5 W) 70 V : 3 W (3 - 1.5 - 0.75 W)
Maximum Power	9 W	9 W	9 W	9 W
Rated Impedance	1.7 kΩ ( 1.7 - 3.3 - 6.7 kΩ )	1.7 kΩ ( 1.7 - 3.3 - 6.7 kΩ )	1.7 kΩ ( 1.7 - 3.3 - 6.7 kΩ )	1.7 kΩ ( 1.7 - 3.3 - 6.7 kΩ )
Sensitivity (1W / rated at 1m)	90 / 98 dB	90 / 98 dB	90 / 98 dB	90 / 98 dB
Coverage Angle (1 kHz, -6 dB)	180 deg.	180 deg.	180 deg.	180 deg.
Frequency Response	110 Hz ~ 20 kHz	110 Hz ~ 20 kHz	110 Hz ~ 20 kHz	110 Hz ~ 20 kHz
Speaker Component	120 mm Dual cone Full Range Loudspeaker	120 mm Dual cone Full Range Loudspeaker	120 mm Dual cone Full Range Loudspeaker	120 mm Dual cone Full Range Loudspeaker
Safety	Acc. to EN 60065	Acc. to EN 60065	Acc. to EN 60065	Acc. to EN 60065
Finish	ABS resin, Off-White ( RAL 9010 )	ABS resin, Off-White ( RAL 9010 ) c/w Fine Metal Mesh	ABS resin, Off-White ( RAL 9010 )	ABS resin, Off-White ( RAL 9010 ) c/w Fine Metal Mesh
Dimensions	Dia. 190 x 49 mm	Dia. 190 x 49 mm	Dia. 190 x 89 mm	Dia. 190 x 89 mm
Weight	370 g	405 g	440 g	475 g
Ceiling Thickness	-	-	9 ~ 25 mm	9 ~ 25 mm

## Frequency Response



\*at 1W / 1m

## SPL Polar Plot



\* at 1W / 1m

## Accessories



**CL 01CB**  
Conduit Adaptor  
Mounting Bracket



**CL 01E**  
Metal Back Enclosure  
for CE 561 / CE 561M



**CL 02E**  
Metal Back Enclosure  
for CE 562 / CE 562M

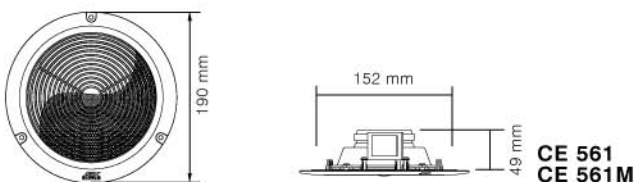
## Engineers' Specifications

The ceiling loudspeaker unit shall consist of a 120 mm dual cone full range loudspeaker driver, mounted on to a 190 mm circular off-white high impact ABS baffle.

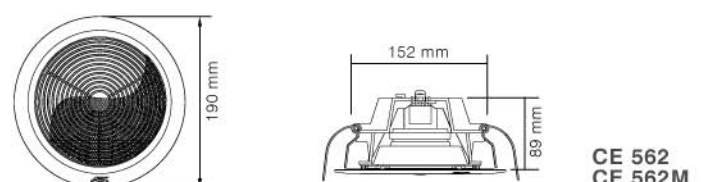
Model CE 562 / CE 562M: A torsion spring assembly shall be provided to secure the loudspeaker unit to the ceiling.

Model CE 561M / CE 562M: A fine epoxy coated metal perforated mesh in off-white shall cover the grille of the unit.

A line matching transformer shall be provided with multiple tapings of 6, 3 and 1.5 W rated at 100 V (3, 1.5 and 0.75 W rated at 70 V) line distributed loudspeaker system. The loudspeaker unit shall have a useable frequency range of 110 Hz ~ 20 kHz and a minimum SPL of 90 dB at 1 m/W with the coverage angle of 180 deg. at 1 kHz (-6 dB). (OPTIONAL: A metal back enclosure shall be securely mounted to the unit with provisions for 3/4" conduit adaptor mounting and attaching a safety wire to the unit.)



**CE 561**  
**CE 561M**



**CE 562**  
**CE 562M**