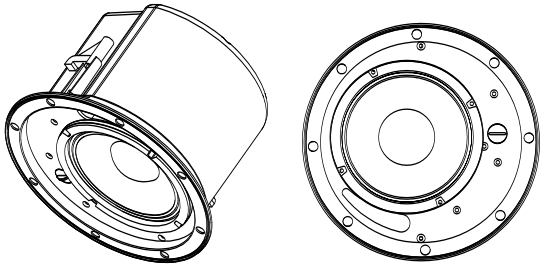
LUCASACS

Coaxial In-Ceiling Loudspeaker
In-Ceiling Subwoofer

for Installation Applications



Model	Description
CS42Q-PAIR	4.5" 2-way coaxial, standard profile
CS62Q-PAIR	6.5" 2-way coaxial, standard profile
CS82Q-PAIR	8" 2-way coaxial, standard profile
CS8SUB-PAIR	8" Subwoofer, standard profile

LUCASACS
WWW.LUCASACOUSTIC.CO.UK
info@lucasacoustic.com

PRODUCT MANUAL

IMPORTANT SAFETY INSTRUCTIONS

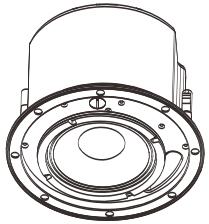
1. Read all safety and operating instructions before using this product.
2. All safety and operating instructions should be kept for future reference.
3. Read and understand all warnings listed on the operating instructions.
4. Follow all operating instructions to operate this product.
5. This product should not be used near water, i.e. Bathtub, sink, swimming pool, web basement etc.
6. Only use dry cloth to clean this product.
7. Do not block any ventilation openings, it should not be placed flat against a wall or placed in a built-in enclosure that will impede the flow of cooling air.
8. Do not install this product near any heat sources, such as, radiators, heat registers, stove or other apparatus (including heat producing amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The side blade or the third prong are provided for your safety if the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord being walked on or pinched particularly at Plugs, convenience receptacles and the point where they exit from the apparatus. Do not break the ground pin of the power supply cord.
11. Only use attachments specified by the manufacturer.
12. Use only the cart, stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used use caution when moving cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Care should be taken so that objects do not fall and liquids are not spilled into the unit through the ventilation ports or any other openings.
15. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way; such as, power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped.
16. WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
17. Correct disposal of this product: This symbol indicates that this product must not be disposed of with household waste, according to the national law. This product should be take to a collection center licensed for the recycling of waste electrical and electronic equipment. The mishandling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances. At the same time, your cooperation in the correct disposal of this product will contribute to the efficient use natural resources. For more information about where you can take your waste equipment for recycling, please contact your local city office, or your household waste collection service.



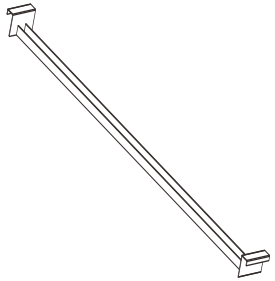


In the package

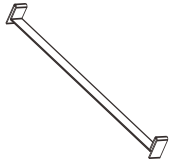
ITEM	QTY	DESCRIPTION
A	2	Loudspeaker (with integral back cans)
B	4	Tile Support Bridge Rails
C	4	Support Bridge Rail Spacers
D	2	Grilles
E	2	Detachable Input Terminal Block
F	1	Flat Screwdriver
G	1	User Manual



A (x2)



B (x4)



C (x4)



D (x2)



E (x2)

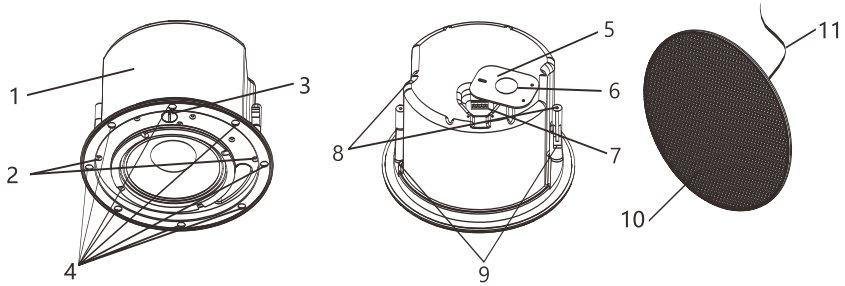


F (x1)



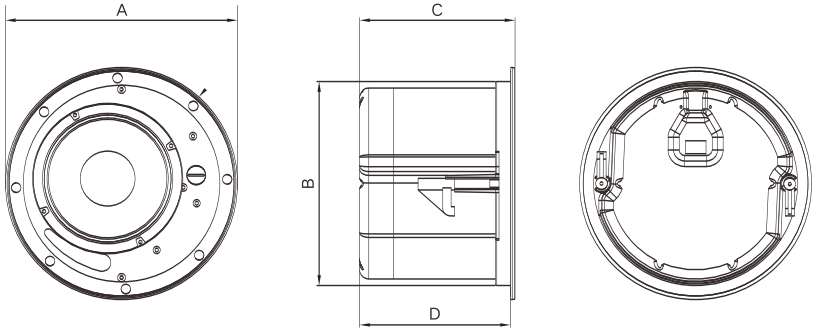
G (x1)

Component Identification



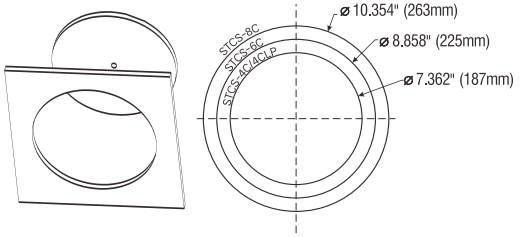
ITEM	IDENTIFICATION	ITEM	IDENTIFICATION
1	Steel Back Can	7	Detachable Input Terminal Block
2	Phillips-head for Locking Clamp	8	Assistant Support Ring
3	Tap Switch (8 ohm / 70V /100V)	9	Can-Locking Clamp
4	Grille Magnet	10	Grille
5	Connector Cover	11	Grille Safety Cable
6	Cable Hole		

Dimensions

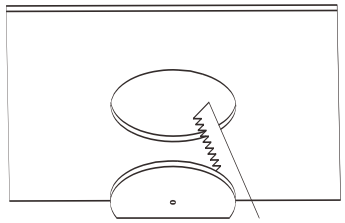


ITEM	CS42Q	CS62Q	CS82Q	CS8SUB
A	Φ8.39" (213mm)	Φ9.96" (253mm)	Φ11.42" (290mm)	Φ11.42" (290mm)
B	Φ7.13" (181mm)	Φ8.74" (222mm)	Φ10.27" (261mm)	Φ10.27" (261mm)
C	5.59" (142mm)	6.65" (169mm)	7.83" (199mm)	7.83" (199mm)
D	5.39" (137mm)	6.47" (164.4mm)	7.65" (164.4mm)	7.65" (164.4mm)
Cutout Diameter	Φ7.36" (187mm)	Φ8.86" (225mm)	Φ10.35" (263mm)	Φ10.35" (263mm)

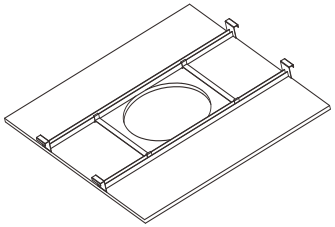
Installation



1. Use a cardboard and make a cutout template as above dimension.



2. Mark the hole location on the ceiling tiles, using the cutout template to cut a hole to the precise size.



3. Insert the Tile Bridge Support Rails. Then insert the Bridge Rail Spacer Bars and clip them over the tile bridge support rails.

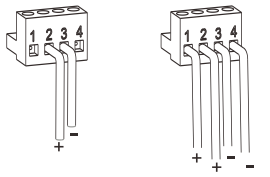
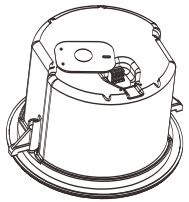
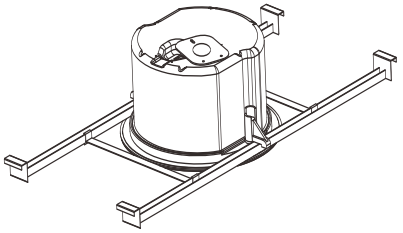


Figure 1.1 Figure 1.2

4. Wiring the terminal block.
For single speaker (only input), make the wiring according to Figure 1.1.
For parallel speakers (input & output), make the wiring according to Figure 1.2.

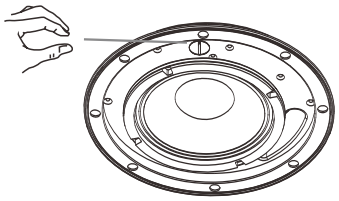


5. Insert the Terminal Block into the back can.

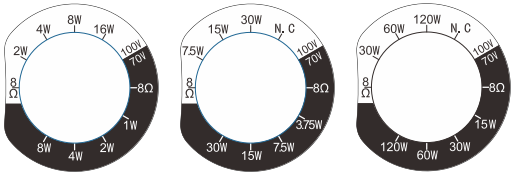


6. Sliding the loudspeaker into the hole, aligning it so that the mounting clamps are nearest to the two bridge support rails. Using a #2 Phillips screw driver twist each actuator clock-wise until you feel resistance as the clamps press against the ceiling bridge rails.

Installation

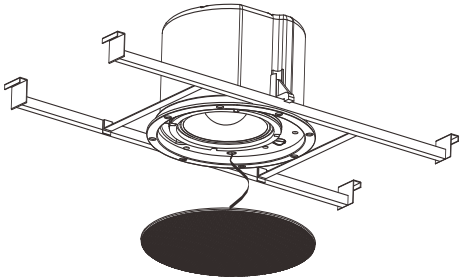


7. Twist to adjust the power control dial on the front face of the loudspeaker baffle.



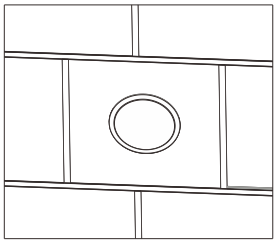
CS42Q CS62Q/82Q CS8SUB

8. Enlarged detail of typical adjustor dial are as shown above, you can make any of five different settings, although the dial has dual calibrations so at first glance it appears to have ten settings. The 8-ohm position is the same on both sides and is for a low impedance connection.



9. Before magnetic attaching the grille to the loudspeaker, please secure the safety cable. There is a nylon mono filament loop attached to the grille. And there is a small metal ring on the front face of the loudspeaker baffle. Use the metal clip to link the safety cable to the loudspeaker.

Do not overtighten the safety cable!



10. Installation completed.

Specifications

MODEL	CS42Q	CS62Q	CS82Q	CS8SUB
Type	4.5" Standard	6.5" Standard	8" Standard	8" Standard
Frequency Range (-10dB)	75~20kHz	70~20kHz	65~20kHz	50~200Hz
LF Driver	1 x 4.5"	1 x 6.5"	1 x 8"	1 x 8"
HF Driver	1 x 1" (coaxial)	1 x 1" (coaxial)	1 x 1" (coaxial)	-
RMS Power (8Ω)	50W	60W	80W	150W
Program Power (8Ω)	100W	120W	160W	300W
Sensitivity (1W/1 meter)	90dB	91dB	92dB	90dB
SPL	108dB	109dB	110dB	115dB
Nominal Impedance	8Ω	8Ω	8Ω	8Ω
Dispersion	140° Conical	120° Conical	120° Conical	Omnidirectional
Available 70V Taps (watts)	8-4-2-1	30-15-7.5-3.75	30-15-7.5-3.75	120-60-30-15
Available 100V Taps (watts)	16-8-4-2	NC-30-15-7.5	NC-30-15-7.5	NC-120-60-30
Low Impedance	8 Ω	8 Ω	8 Ω	8 Ω
Connector	4 Pole Euroblock Connector			
Enclosure	Zinc Plated Steel			
Grille	Powder Coated Steel Grille with Safety Clip			
Weight	2.05kgs, 4.5Lbs	3.06kgs, 6.7Lbs	3.65kgs, 8Lbs	6.5kgs, 14.3Lbs