

Cluster Q Q4 Q8

Installation line array

Covering the demand for high-pressure systems for night-clubs, concert halls, and sports arenas, Cluster series introduces the power of arrayable speakers into the realm of fixed installations. Inheriting the best features of reliability, sound performance, and ease of control from touring and mobile sound, Cluster series is augmented with convenient mounting hardware solution for quick setups and perfect fit into the architectural designs.

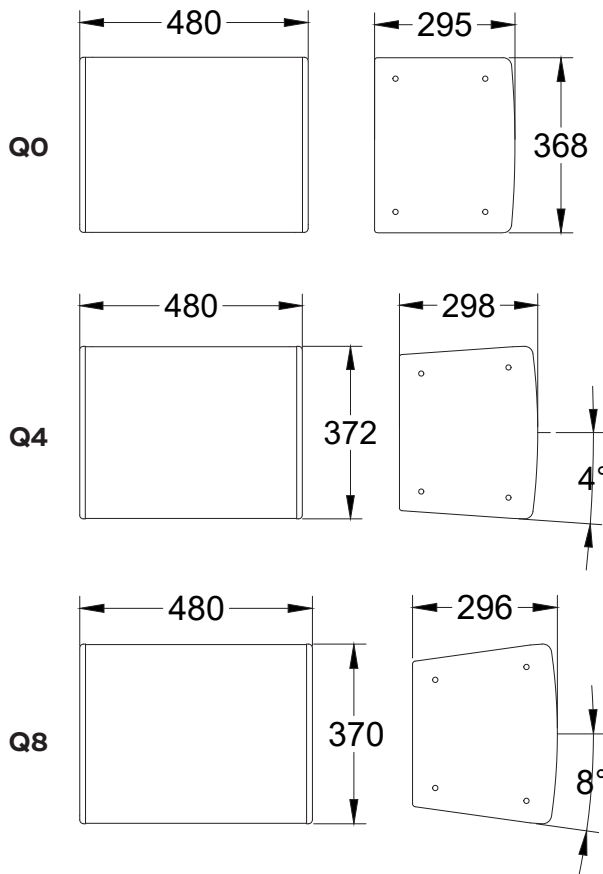
Cluster Q, Q4 and Q8 systems are unique installation line array modules with integrated

mounting capabilities, providing flexible tool for systems engineer to introduce uniform coverage into each and every sound project. With convenient options for wiring and amplifier connection, Q, Q4 and Q8 can be used to accurately steer the sound field for even the most difficult acoustical conditions.

Cluster Q, Q4 and Q8 can be used with Cluster S15 subwoofers to deliver a complete package of in-house sound system for a sound-pressure demanding high-profile projects.



DIMENSIONS



SPECIFICATIONS

Frequency response (-10dB)	100 - 19000 Hz
Max SPL ¹	138 dB
Sensitivity (1W/1m)	98 dB Low / 113 dB High
LF Driver	4x 6", 1,75" VC
HF Driver	2x 1", 1,75" VC
Horizontal coverage	Q - 60°, Q4 - 80°, Q8 - 100°
Vertical splay angle	Q - 0°, Q4 - 4°, Q8 - 8°
Impedance	8 Ohm Low / 16 Ohm High
Nominal power ²	520 W Low / 100 W High
Connectors	Barrier strip
Dimensions (WxHxD)	Q - 480x368x295 mm Q4 - 480x372x298 mm Q8 - 480x370x296 mm
Net / Shipping weight	24 kg / 26,5 kg
Mounting	Integrated rigging hardware
Enclosure materials	Plywood, wear resistant paint
Speaker protection	Steel grill, acoustically transparent backing

¹ - pink noise, filtered according to AES 2 - 2012, crest factor 9 dB

² - based on transducer power measured according to AES 2 - 2012

CONNECTIONS

Use Hi-pass filter to prevent speaker damage and distorted sound by eliminating low non-audible frequencies in input signal.

Do not exceed input power ratings mentioned in specifications while exploiting the speaker system.

Speaker system comes with two Neutrik® Speakon heavy duty sockets for easy connection.

Low +	MID +	High +	HI +
Low -	MID -	High -	HI -
High pass filter:			
Low	100 Hz or higher, 18 dB/oct or higher		
High	1300 Hz or higher, 18 dB/oct or higher		
Recommended amplifier power			
Low	520 - 1040 W on nominal impedance		
High	100 - 200 W on nominal impedance		

SAFETY INSTRUCTIONS

1. Do not pour liquids on speaker system - this may cause driver cone destruction and unappealing speaker appearance. Do not allow direct sunlight on speaker cone in order to prevent premature failure. Do not install speaker system near open flames or heating elements.

2. Do not use speaker system with damaged speakON or speaker cable so as not to cause electric shock hazard or fire hazard.

3. Make sure speaker system is firmly set up on the floor, stage, or wall (where applicable).

4. While setting speaker system up onto an angled or slippery surface, make the necessary arrangements to avoid vibration-induced movement.

5. Speaker system is capable of delivering significant sound pressure levels. To avoid permanent or temporary hearing damage, prolonged exposure to sound pressure levels exceeding 90 dB should be limited.