

Cluster Q4 IP

Installation line
array module



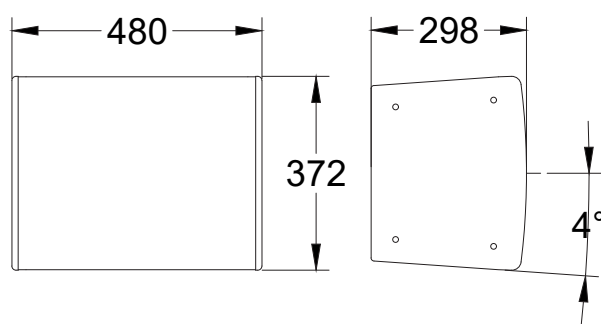
Covering the demand for high-pressure systems for night-clubs, concert halls, and sports arenas, Cluster series introduces the power of arrayable speakers into the realm of fixed installations. Inheriting the best features of reliability, sound performance, and ease of control from touring and mobile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

Cluster Q IP, Q4 IP and Q8 IP systems are unique installation line array modules with integrated mounting capabilities and convenient options for wiring and amplifier connection, which can be used to accurately steer the sound field for even the most difficult acoustical conditions. IP54 weather protection allows to use them in difficult environmental conditions as well.

Cluster Q IP, Q4 IP and Q8 IP can be used with Cluster S15 subwoofers to create a permanent outdoor sound system for demanding high-profile projects.



DIMENSIONS



SPECIFICATIONS

Frequency response (-10dB)	100 – 19000 Hz
Max SPL ¹	134 dB
Sensitivity (1W/1m)	98 dB Low / 113 dB High
LF Transducer	4 x 6", 1,75" VC
HF Transducer	2 x 1", 1,75" VC
Horizontal coverage	80°
Vertical splay angle	4°
Impedance	4 Ohm Low / 4 Ohm High (Cluster Q4-44) 8 Ohm Low / 16 Ohm High (Cluster Q4-816)
Nominal power ²	520 W Low / 100 W High
Connectors	Phoenix
Dimensions (W x H x D)	480 x 372 x 298 mm / 18,90" x 14,65" x 11,73"
Net weight	24 kg / 52,9 lbs
Shipping weight	26,5 kg / 58,4 lbs
Mounting	Integrated rigging hardware
Enclosure materials	Plywood; wear-resistant paint
Weather resistance	IP54
Grill	Steel grill, acoustically transparent foam

¹ - pink noise, filtered according to AES 2 - 2012, crest factor 9 dB
² - based on transducer power measure according to AES 2 - 2012

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.

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 powers, abovementioned in specifications, while exploiting the speaker system.

Speaker system comes with barrier strip screw terminals for connection to amplifier.

Connection:	
Low +	MID +
Low -	MID -
High +	HI +
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