

Product Guide

C 1080 200mm (8") 100V High Power 55W Ceiling Ball Speaker



C 1080 200mm 100V High Power 55W Ceiling Ball Speaker

- ✓ 55W power output for increased sound dispersion
- ✓ Excellent speech intelligibility
- ✓ High quality speaker driver developed for BGM, paging and emergency warning applications
- ✓ Ideal for large open areas
- ✓ Omni directional design
- ✓ 1 year warranty



Application

The spherical speaker enclosure and parabolic shaped reflector combine to create an omni-directional loud speaker, allowing 360° horizontal sound dispersion.

With an attractive appearance, these loudspeakers are invaluable where it is impractical to install traditional ceiling type speakers. Used in large open areas with very high raked, suspended, concrete, or exposed ceilings.

Typically these type of ceilings will be found in places of worship, gymnasiums, train stations, airports, factories, markets, shopping centres etc.

Fitted with high efficiency drivers, they are excellent for high ambient noise locations and offer extremely articulate reproduction suitable for both background music and paging applications.

C 1080 is fitted with a high efficiency 100 volt line matching transformer.

About Redback® Speaker Drivers

Each custom designed speaker and transformer combination has been specifically engineered to ensure a wide frequency range and dispersion angle, plus a high sound pressure level (SPL) ensuring excellent music and speech intelligibility; which is highly desirable.

Redback® drivers exhibit optimum frequency response and efficiency for BGM, paging and EWIS applications. The transformers are wound on professional grade grain oriented steel cores for high efficiency and extended frequency response.

Each transformer is fitted with multiple power tapings which are selected via a tab on the top of the transformer.

Installation Guidelines

Supplied complete with stainless steel wire suspension kit allowing installation from a single fixing point.

Testing

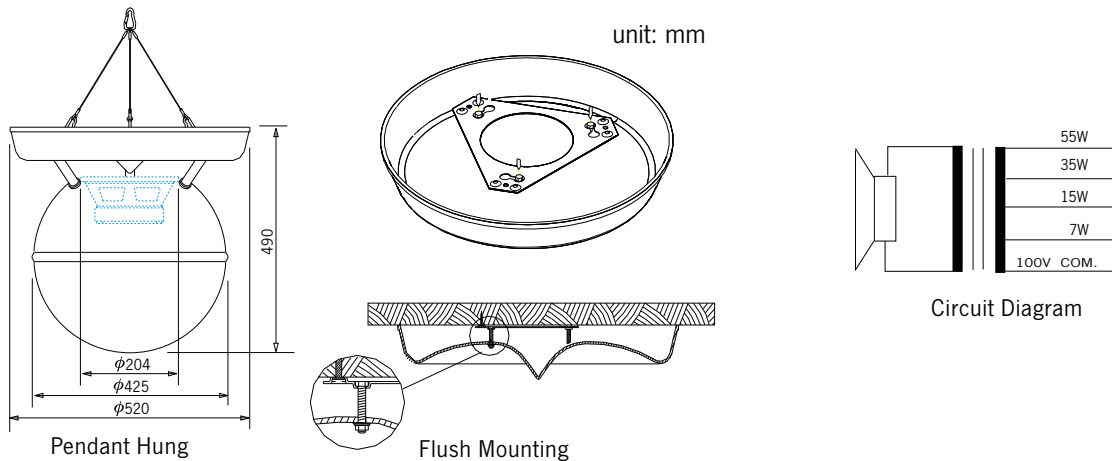
Redback® drivers are subject to strenuous factory testing reducing the risk of unit failure or performance reduction over time. Each driver has a power rating well above the max tapping of the transformer, ensuring reliable operation and excellent longevity.

Product Guide

C 1080 200mm (8") 100V High Power 55W Ceiling Ball Speaker



Dimensions & Transformer Detail



Specifications

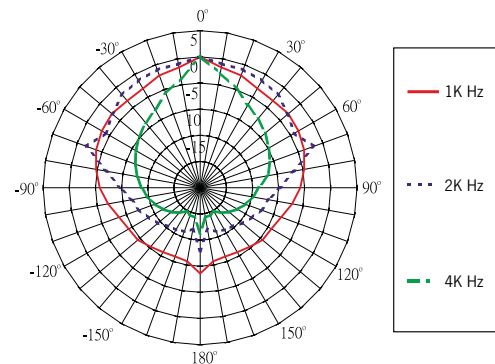
Electrical

Power taps:	7, 15, 35, 55W
SPL 1W @ 1m:	92dB @ 1kHz (+/- 2dB)
SPL full power @ 1m:	109dB @ 1kHz (+/- 2dB)
Frequency response:	60Hz-18kHz
Transformer impedance:	182 Ω / 285 Ω / 667 Ω / 1.43k Ω
Dispersion:	180° vertical, 360° horizontal
Directivity Q factor, 1kHz	2 ϕ
Connection:	Multi-way screw terminal block

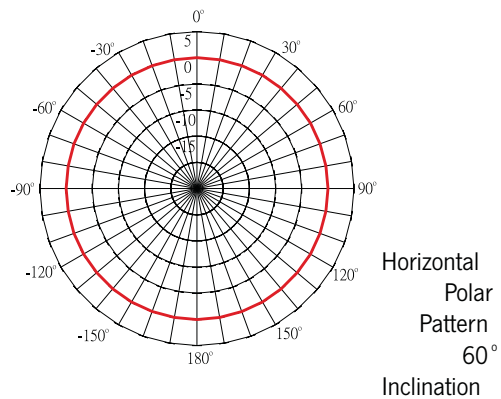
Mechanical

Driver construction:	Paper twin cone
Housing construction:	Fibreglass
Dimensions:	520 x 490mm
Overall weight:	7.8kg

Polar Plots



Vertical Polar Pattern



Horizontal Polar Pattern 60° Inclination

Response Graphs

