Celestion FTR12-4080DL

Celestion, a supplier of professional loudspeakers and compression drivers for sound reinforcement applications introduces the FTR12-4080DL (4-ohm) 12-inch, cast aluminium chassis, ferrite magnet low frequency driver which is specifically designed for subwoofer applications. Well-established as an 8-ohm driver, this purpose-built subwoofer is newly available in 4-ohm, making it ideal for applications that are hungry for every watt of amplifier power when delivering uncompromising bass.

The Celestion FTR12-4080DL features a 4-inch (100 mm) voice coil, providing 1400W of continuous power handling and 88dB sensitivity with an output frequency range of 20-300Hz. The half-roll elastomer surround offers improved modal distribution for reduced distortion and enables greater stability at extremes of excursion (with an Xmax of 13.6mm) for a solid, deep bass response. The Airflow vented magnet assembly allows for dynamic heat dispersion, minimising power compression and enhancing product longevity. The driver features optimised double suspension for enhanced control and linearity and the glass loaded paper cone features a weather-resistant impregnation for extreme durability.

Developed at Celestion’s headquarters in Ipswich, England, this loudspeaker was

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designed using specialist FEA (Finite Element Analysis) modelling techniques, enabling the Celestion engineering team rapidly to achieve genuine increases in performance, including greater efficiency, and exceptionally low distortion. The new FTR12-4080DL cast aluminium loudspeaker emphasizes Celestion’s continuing commitment to delivering a wide range of high-quality solutions for sound reinforcement and professional audio applications.

FTR12-4080DL Specifications

- Nominal diameter: 305mm / 12in
- Nominal power rating: 700W
- Continuous power rating: 1400W
- Rated impedance: 4Ω or 8Ω
- Sensitivity: 88dB
- Frequency range: 20-300Hz
- Chassis type: Cast aluminium
- Magnet type: Ferrite
- Magnet weight: 3.6kg / 126oz
- Voice coil diameter: 100mm / 4in
- Voice coil material: Round copper
- Former material: Aluminium
- Cone material: Glass loaded paper (weather-resistant)
- Surround material: Elastomer
- Suspension: Double
- Gap height (Hg): 9.5mm / 0.37in
- VC winding height (Hvc): 32mm / 1.26in
- Xmax: 13.6mm / 0.54in

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