# CELESTION

# LF Loudspeakers

# CF0820BMB

8-inch, cast aluminium chassis, ferrite magnet bass and mid/bass driver







- Balanced airflow venting provides enhanced cooling
- Half-roll elastomer surround

## **General Specifications**

Nominal Diameter Power Rating Continuous power rating Rated impedance Sensitivity Frequency range Chassis type Magnet type Magnet weight Voice coil diameter Voice coil material

Former material Cone material Surround material Suspension Gap height (Hg) VC winding height (Hvc) Additional impedances

## **Mounting Information**

Overall diameter Overall depth Cut-out diameter Mounting hole dimensions

Number of mounting holes Mounting hole PCD

Unit weight

200mm / 8in 250W 500W 8Ω 93dB 50-6000Hz Cast aluminium Ferrite 0.99kg / 35oz 50mm / 2in Copper clad aluminiu m Glass fibre Treated paper Elastomer Single 8mm / 0.31in 18.5mm / 0.73in 16?

215mm / 8.5in 108mm / 4.3in 187mm / 7.4in 7x5.6mm / 0.28x0.22i n 8 197-200mm / 7.8-7.9i n 3.1kg / 6.8lb

#### Frequency Response and Impedance Curves



Topmost curve: Frequency response on axis | Secondary curve: Frequency response at 45° off axis

Power rating: Tested for two hours using a

continuous, band-limited pink noise signal as per AES standard. Power calculated on minimum impedance. Loudspeaker tested in free air.

**Continuous power rating:** Defined as 3dB greater than the AES rating.

**Sensitivity:** Measured on axis at 1W, 1m in 2? anechoic environment.

**Parameters:** Measured after unit subjected to pre-conditioning signal.

Xmax: 0.5\*(Hvc-Hg) + 0.25\*Hg

#### **Parameters**

Sd	226.98cm2 / 35.18in <sup>2</sup>
Fs	50.50Hz
Mms	32.35g / 1.14oz
Qms	5.095
Qes	0.394
Qts	0.366
Re	5.45 Ω
Vas	22.42l / 0.79ft 3
Bi	11.92Tm
Cms	0.31mm/N
Rms	2.01kg/s
Le (at 1kHz)	0.78mH
Xmax	7.25mm / 0.29in

### **Packed Dimensions & Weight**

Multi pack qty	8
Multi pack size W x D x H	465mm x 455mm x 250m
	m / 18.3in x 17.9in
	x 9.8in
Multi pack weight	27.5kg / 60lb

