



VECTOR

ACOUSTICS

LS-60

*Line Source Loudspeaker
for Public Alert Systems*



The LS-120 Line Source Loudspeaker from Vector Acoustics broadcasts loud and clear messages with superior sound quality and power. Spoken messages broadcast with the LS-120 are able to be clearly understood due to the LS-120's improved frequency response over the vocal range. The highly efficient design results in industry leading Sound Pressure Levels, for greater broadcast range without the need for higher powered amplifiers. The ruggedized enclosure with super durable architectural grade powdercoat finish makes the LS-120 ideal for permanent outdoor installation in all climactic conditions.

Acoustic Performance

Efficiency, 1kHz:	116.5 dB (1W, 1m)
Maximum SPL	
500 Hz:	128 dB (60W, 1m)
1 kHz:	135 dB (60W, 1m)
2 kHz:	140 dB (60W, 1m)
Frequency response:	400 Hz ~ 7 kHz (+/- 8 dB)
Beam width (approx.):	110° Horiz., 20° Vert. (1 kHz)
Power handling:	60W, or 30W at 100V
Input impedance:	166 Ohms at 60W 333 Ohms at 30W

Environmental Performance

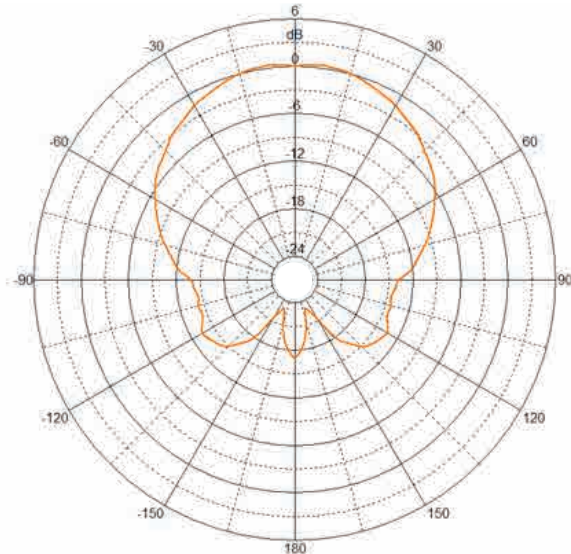
Operating Temperature:	-30°C ~ +60°C
Wind:	75 m/s
Ingress Protection:	IPX6
Insects:	Insect screen

Mechanical

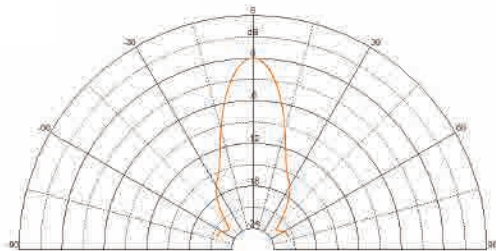
Weight:	19 kg
Dimensions:	259 mm (W) 1211 mm (H) 245 mm (D)
Construction:	5052-H32 aluminum corrosion resistant chemical conversion coating 300 series stainless steel hardware
Hazardous Substances:	RoHS compliant
Mounting:	M10 mounting studs with hardware
Electrical connection:	2 meter wire leads



Polar Plots at 1 kHz

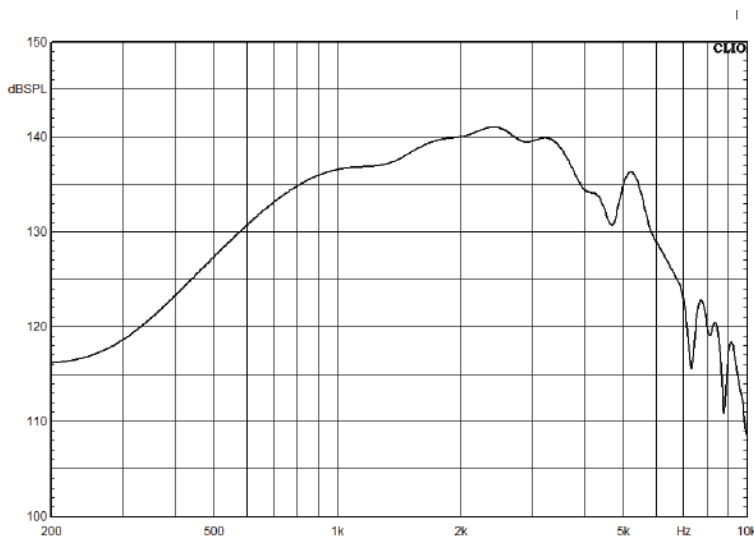


Horizontal

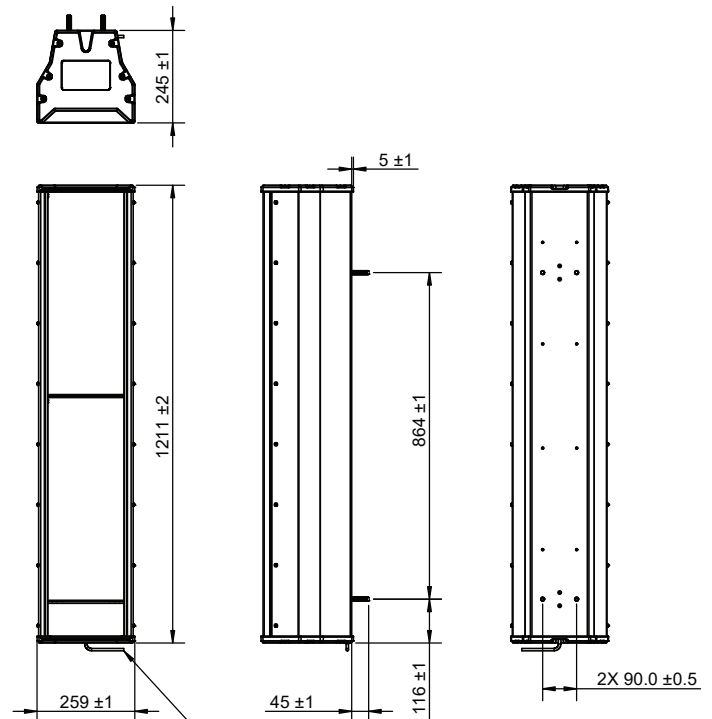


Vertical

Frequency Response at 60W - scaled to 1m



Mechanical Dimensions (mm)



100V INPUT CABLE
LENGTH 2000mm \pm 200mm
CONNECTIONS:
BLACK - COMMON
WHITE - 30 WATT
RED - 60 WATT