



VARIABLE CURVATURE LINE SOURCE COURSE DESCRIPTION

EDUCATION PROGRAMS



This advanced course is dedicated to the variable curvature line source and its associated tools for optimization.

SUMMARY

COURSE TYPE	Skills development
LEARNING PATH	Advanced learner
LEARNING OBJECTIVES	<ul style="list-style-type: none">• Understand the acoustic behavior of a variable curvature line source and its sonic performances over the audience• Master the physical deployment of a variable curvature line so that electronic adjustments become optimization rather than correction• Design a variable curvature line source in Soundvision software, using advanced setting tools for inter-element angles and FIR filters

MODALITIES

PREREQUISITES	<ul style="list-style-type: none">• Knowledge in acoustics and live sound reproduction• Technical English
DURATION	7 hours
PARTICIPANTS	12 maximum
LEARNING FORMAT	Instructor-led session: onsite classroom
TEACHING METHODS	Presentation
LANGUAGES	<ul style="list-style-type: none">• Session delivered in local language• Material written in technical English
INSTRUCTOR PROFILE	Live sound expert, selected, trained, certified and regularly updated by L-Acoustics education team
CERTIFICATION	Attendance to the session



LEARNING AGENDA

ONSITE - MORNING	Directivity Control <ul style="list-style-type: none">• Fresnel analysis• Line source behavior	1.5 HOURS
	SPL Coverage <ul style="list-style-type: none">• Absolute throw• Relative throw• Mean SPL• SPL profiles	2 HOURS
ONSITE - AFTERNOON	Frequency Response <ul style="list-style-type: none">• HF flatness• Tonal balance homogeneity	2 HOURS
	Soundvision Process <ul style="list-style-type: none">• Source definition• SPL target optimization• Autosolvers assistance	1.5 HOURS

REQUIRED EQUIPEMENT

INSTRUCTOR-LED SESSION	<ul style="list-style-type: none">• Computer with a mouse• Latest version of Soundvision and LA Network Manager software: L-Acoustics website• Note pad and pen
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EARNED BENEFITS

Upon completion, the participant is granted with a *Certificate* and a 1-year account activation/extension on the online *L-Acoustics Education* platform.

In the platform, the membership to the **Variable Curvature Line Source** group opens access to:

- Always up-to-date **Variable Curvature Line Source** material in the *Learning center*
- Forum gathering all the **Variable Curvature Line Source** certified technicians and instructors