

## Q-SYS PL-LA8

### Two-way passive 8-in installation line array

#### KEY FEATURES

- 8-in LF transducer & HF compression driver in a bass-reflex enclosure
- Weatherized (IP54) ABS enclosure for indoor and protected outdoor environments
- QSC LEAF™ Waveguide provides superior acoustic performance
- Pairing with Q-SYS network amplifiers provides unique system optimization through custom voicings and filter sets
- Black (RAL 9011)



#### Q-SYS PL-LA8

Two-way passive 8-in installation line array

The Q-SYS PL-LA8 is a two-way, passive installation loudspeaker designed to deliver premium sound for Q-SYS systems in a broader range of entertainment applications. From auditoriums and House of Worship to theatres and music venues, the PL-LA8 offers a high-performance line array ideal for front-of-house in small to medium sized venues. PL Series performance loudspeakers pair a rich legacy of high-performance audio with the power and flexibility of Q-SYS to extend an integrated audio, video and control experience to your Front-of-House applications.

#### DELIVER THE RIGHT SYSTEM FOR YOUR CUSTOMERS

PL Series loudspeakers provide an abundance of options to ensure the right loudspeaker solution anywhere in the venue that requires higher performance audio.

*The PL-LA8 is a two-way line-array featuring an 8-in transducer and high-frequency compression driver in a bass-reflex enclosure that provides a high-performance solution for front-of-house in small to medium sized venues such as auditoriums and concert halls. They feature the QSC Length-Equalized Acoustic Flare™ (QSC LEAF™) waveguide, providing superior acoustic performance through optimized internal sound paths. Combining the PL Series line arrays with Q-SYS network amplifiers also enables advanced system optimization. Any addition to the line array or curvature change will change the tonal response, requiring high, mid, and low frequency balancing that Q-SYS delivers automatically with custom voicings and filter sets to simplify deployment and deliver optimal performance.*

All of the PL Series loudspeakers feature a weatherized enclosure (IP54 rating), making them a perfect choice for indoor or protected outdoor applications. Pairing them with the Q-SYS Platform, including Q-SYS processing and network amplifiers extends a number of unique benefits from custom loudspeaker voicings (Intrinsic Correction™) and protection safeguards to advanced telemetry, helping to speed up deployment and deliver a more holistic system operation experience.

#### FULL CONTROL AND MONITORING FOR ENTERTAINMENT VENUES

The Q-SYS Platform offers a full-featured control engine that lets you deploy the right level of intuitive user control and system visibility for each stakeholder in the venue. Design an advanced system control interface with Q-SYS UCI Editor for the sound operators, containing any combination of gain, preset triggers, status indicators, telemetry data and more. Similarly, enlist Q-SYS Reflect Enterprise Manager to remotely monitor and manage the integrity of your system from anywhere, and even allow an offsite technician to identify and troubleshoot issues from any web browser.

#### SEAMLESS Q-SYS EXPERIENCE FOR ENTERTAINMENT VENUES AND COMPLEXES

PL Series are part of a comprehensive Q-SYS portfolio that lets you take advantage of industry leading power amplification, flexible AV routing, intuitive control and robust processing capabilities to deliver a singular Q-SYS experience venue-wide. Whether you need foreground reinforcement for your performance area, background music in the lobbies or ancillary areas, collaboration in the meeting rooms, wide area audio distribution or third-party device integration and automation, the Q-SYS Platform ties these pieces to deliver a uniquely tailored experience throughout.

## Q-SYS PL-LA8

<b>Transducers</b>	LF: 8 in (200 mm), 2 in (50.8 mm) voice coil, neodymium magnet HF: Compression driver, 1 in (25.4 mm) exit, 1.75 in (44.5 mm) voice coil
<b>Enclosure configuration</b>	Bass Reflex, two-way passive/bi-amp line array loudspeaker
<b>Coverage (horizontal x vertical)</b>	100° x 15°
<b>System bandwidth<sup>1</sup> (-10dB with EQ)</b>	-3 dB: 69 Hz - 20 kHz -6 dB: 64 Hz - 20 kHz -10 dB: 60 Hz - 20 kHz
<b>Crossover HF-LF</b>	1.6 kHz (passive) 1.5 kHz (bi-amp)
<b>Sensitivity<sup>2</sup></b>	101.5 dB
<b>LF sensitivity</b>	91 dB
<b>HF sensitivity</b>	109 dB
<b>Max SPL (continuous)<sup>3</sup></b>	116 dB (passive) 120 dB (bi-amp)
<b>Max SPL (peak)<sup>4</sup></b>	128 dB (passive) 132 dB (bi-amp)
<b>Max SPL (calculated)<sup>5</sup></b>	132 dB (passive)
<b>Power rating<sup>6</sup></b>	46 Vrms, continuous power 260 W @ 8 Ω, rated power 520 W @ 8 Ω
<b>LF power rating</b>	45 Vrms, continuous power 250 W @ 8 Ω, rated power 500 W @ 8 Ω
<b>HF power rating</b>	31 Vrms, continuous power 60 W @ 16 Ω, rated power 120 W @ 16 Ω
<b>Nominal impedance</b>	8 Ω (passive), 8 Ω (LF), 16 Ω (HF)
<b>Minimal impedance</b>	6.5 Ω (passive), 7 Ω (LF), 12.8 Ω (HF)
<b>Connectors</b>	2x Speakon NL4 up to 10 AWG (6 mm <sup>2</sup> ). 1x Euroblock locking 4 poles (parallel to Speakon): 8 AWG (10 mm <sup>2</sup> ) The connector is recessed and may be covered by an IP65 sealing plate.
<b>Rigging angles</b>	0.5, 1.5, 3, 4.5, 6, 8, 10, 12
<b>Deployment<sup>7</sup></b>	Ground stacking 4x PL-LA8 (requires PL-LA8-AF Array Frame) Flyable up to 14x PL-LA8 (requires PL-LA8-AF Array Frame)
<b>Enclosure material</b>	Impact-resistant ABS
<b>Enclosure color</b>	Black (RAL 9011)
<b>Grille thickness</b>	18 Ga, 1.2 mm
<b>Weatherization</b>	IP54; Stainless screws; UV and Corrosion treated grille; Aluminum Rigging Hydrophobic Stainless Steel Mesh behind grille; Input cup (IP65) sealing with gland
<b>Dimensions (HxWxD)</b>	Net: 10.7 x 20.1 x 13.7 in (272 x 512 x 349 mm) Shipping: 13.6 x 22 x 18.5 in (345 x 560 x 470 mm)
<b>Weight</b>	Net: 27.4 lbs (12.4 kg) Shipping: 33.1 lbs (15 kg)
<b>Recommended amplifiers</b>	Q-SYS CX-Q Series network amplifiers - up to four (4) loudspeakers per channel on CX-Q 8K4 - up to two (2) loudspeakers per channel on CX-Q 4K4
<b>Accessories</b>	PL-LA8-AF array frame PL-LA8-PB pull back bar EB3082-BK Extension bar LA-KIT-I (single deployment)

1. Default voicing, no sub high pass, smoothed

2. 1 W/1 m, averaged on 200-10 kHz (System), 200-2 kHz (LF) or 1k-10 kHz(HF)

3. Used for simulation. Measured 1m on-axis in free space after 1mn. Pink noise 12 dB crest Factor into RMS protection, Z weight, RMS value

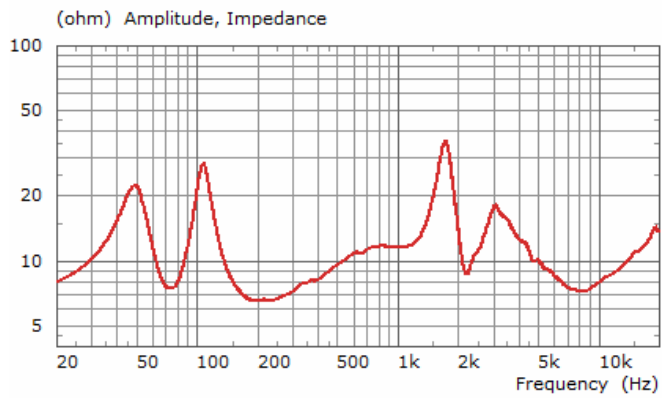
4. Same as continuous SPL +12 dB CF

5. Provided for reference with former specs, calculated from continuous noise power and sensitivity +6 dB, default horn

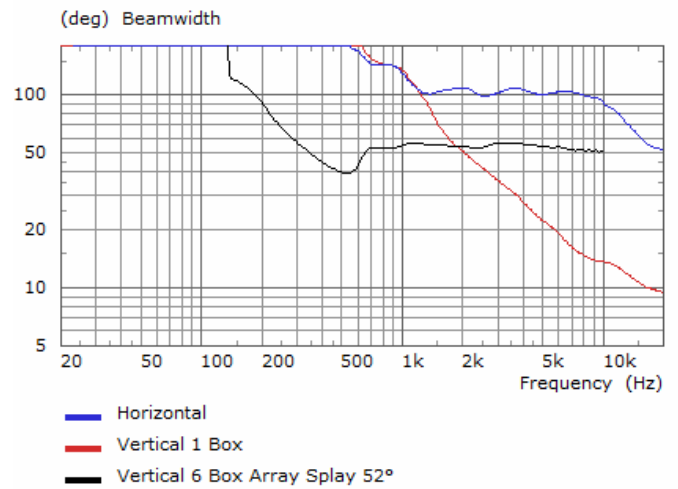
6. max voltage during 2 h without transducer permanent damage. Protection voltage will be lower.

7. Consult the User Manual for Factor of Safety information

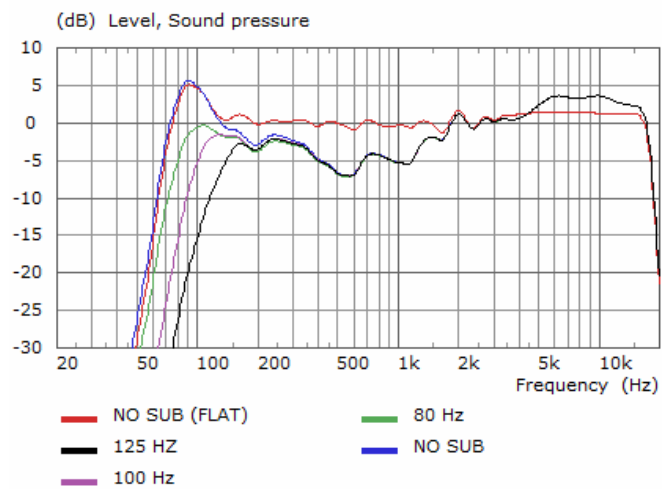
### Impedance



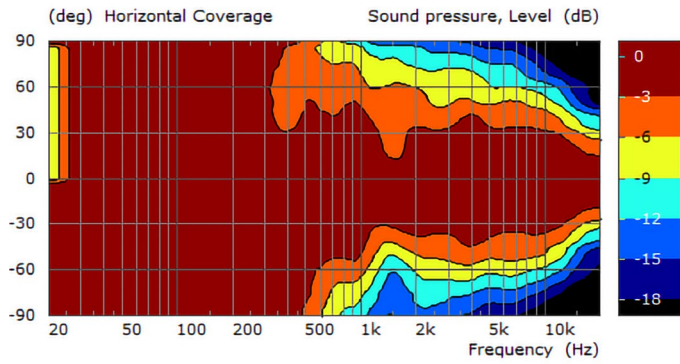
### Beamwidth



### Frequency Response



## Horizontal Coverage



## Vertical Coverage

