Advisory Guide

10 LED Sourcing Mistakes You Should Avoid

Avoid these mistakes before you buy LED displays directly from China



Short Introduction

Buying LED displays directly from China can deliver excellent results — high quality, strong service, competitive pricing.

But many buyers make avoidable mistakes that lead to unnecessary costs, wrong product choices, or performance issues after installation.

This guide summarizes 10 critical mistakes and how to avoid them.

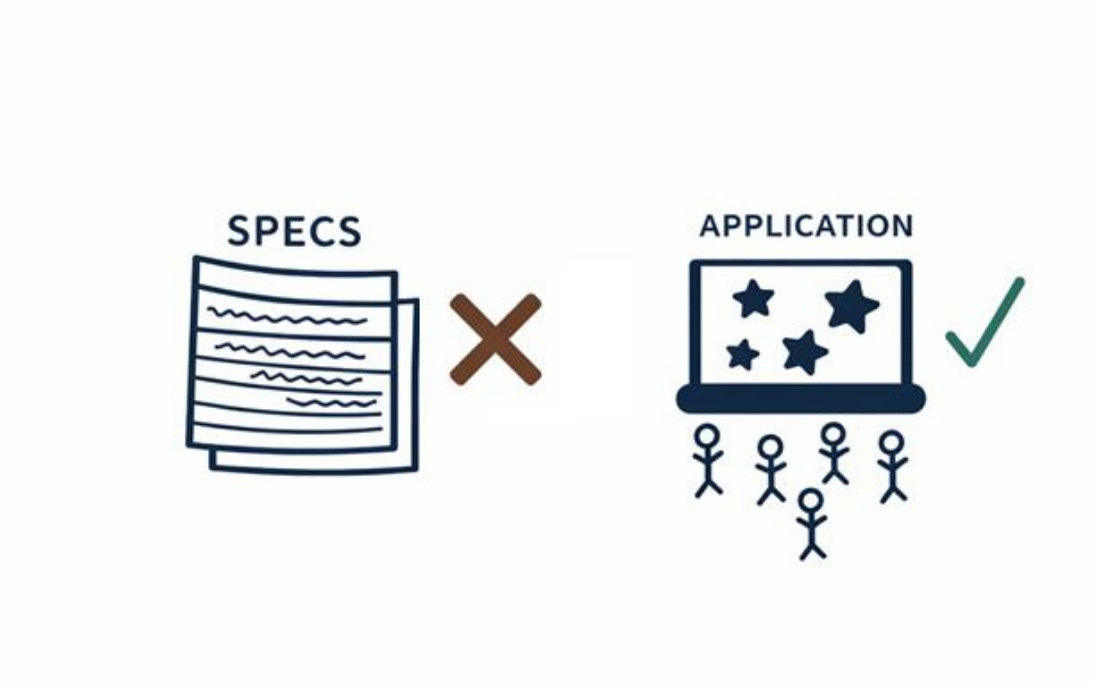
1. Starting with a product instead of the application

Many buyers begin by comparing product specs — before defining how and where the display will be used.

This often leads to over-specifying, under-specifying, or choosing the wrong cabinet type entirely.

How to avoid it:

Start with the application: environment, viewing distance, brightness needs, maintenance access, installation height, creative or standard layout.



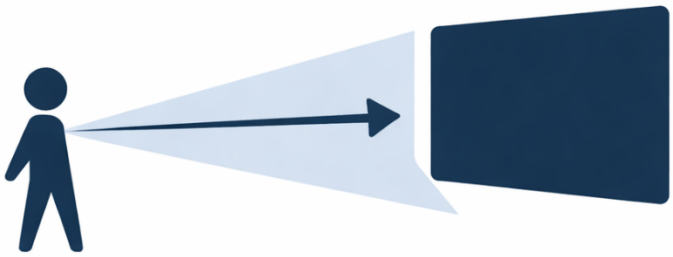
2. Treating pixel pitch as the main indicator of quality

A smaller pixel pitch doesn’t automatically produce a better visual result.

Viewing distance, installation height, content type, and angle play a larger role.

How to avoid it:

Choose the pixel pitch based on the minimum viewing distance — not assumptions or marketing expectations.



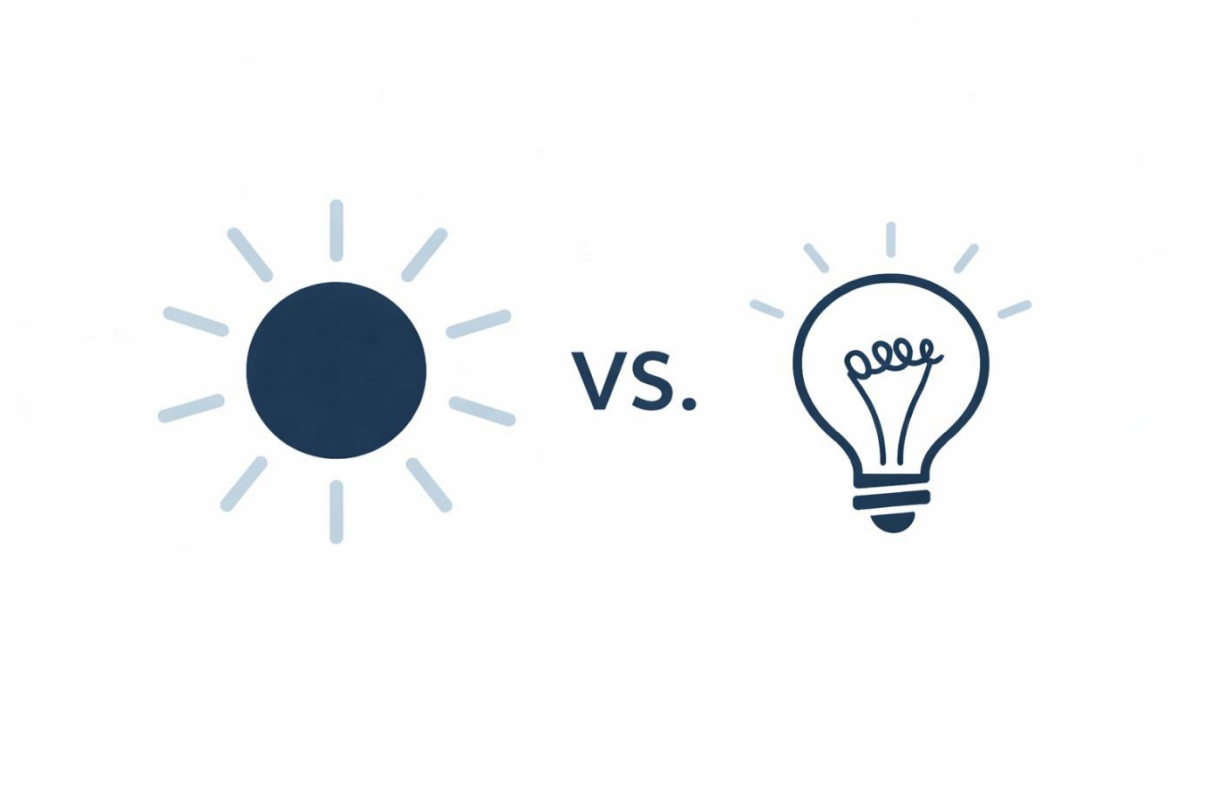
3. Choosing brightness without considering real conditions

Indoor buyers sometimes choose displays that are too bright.

Outdoor buyers often choose brightness that is too low for direct sunlight.

How to avoid it:

Match brightness to the environment, reflections, sun exposure, and indoor lighting. Balance visibility with heat generation and lifetime.



4. Assuming similar datasheets mean similar performance

Many LED displays share nearly identical specs on paper.

But component selection, thermal design, calibration, power system stability, and cabinet precision determine real performance.

How to avoid it:

Evaluate consistency, engineering quality, component brands, and QC processes — not just the spec sheet.



5. Overlooking LED chip binning and driver IC selection

These two factors strongly influence uniformity, refresh rate, stability, and lifetime, but many buyers don’t ask about them.

How to avoid it:

Confirm LED chip brand + binning level, and check which driver IC series is used for your pitch and application.



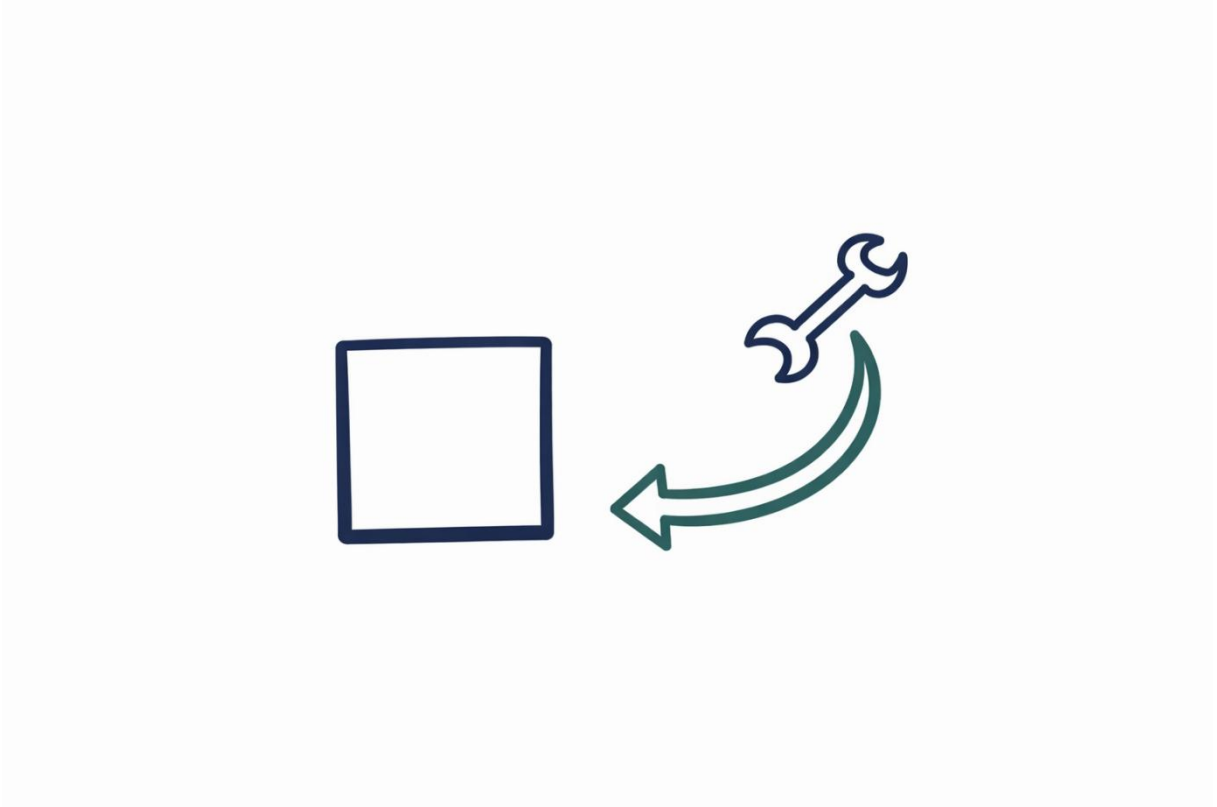
6. Ignoring maintenance access requirements

Some locations need full front service, others require or allow rear access.

Choosing the wrong service type can complicate installation or make long-term maintenance difficult.

How to avoid it:

Define the service method before selecting the product. Consider wall integration, depth, and available space.

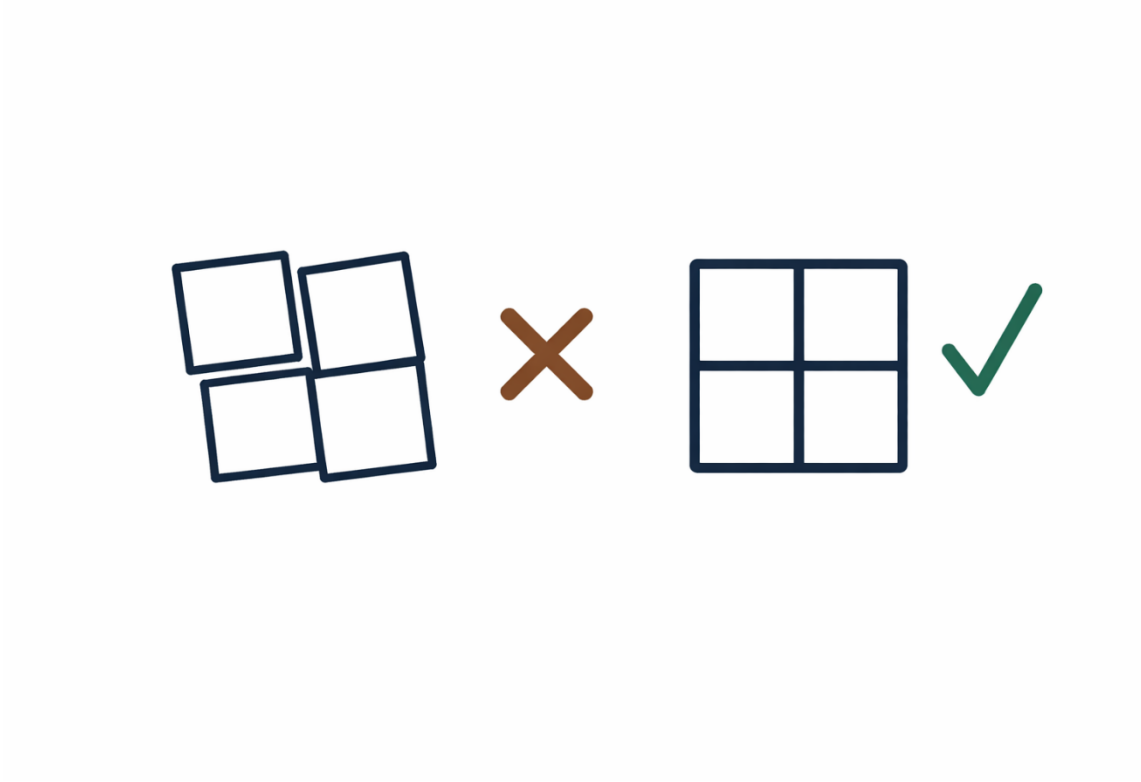


7. Not evaluating cabinet precision or structural design

Misalignment, visible seams, poor flatness, and vibration issues often come from low-precision cabinet design — not the LED itself.

How to avoid it:

Check alignment systems, structural rigidity, and tolerance control. Ask for cabinet close-ups and assembly photos.



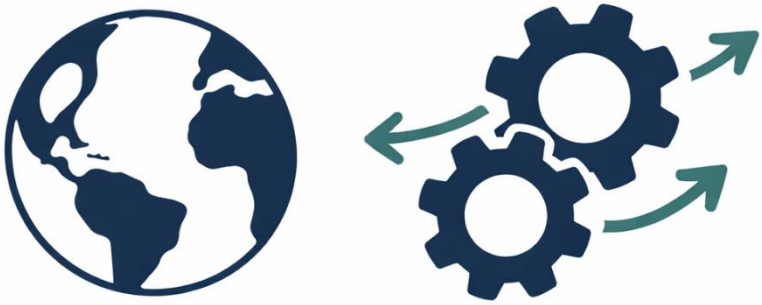
8. Expecting geography to indicate quality

High quality and low quality both exist in China.

It’s not the city — it’s the manufacturer’s engineering process, component choice, and QC discipline.

How to avoid it:

Focus on the manufacturer’s process, not stereotypes about regions or price levels.



9. Assuming the highest price = highest quality

Some suppliers price aggressively high for market positioning — not because the product is objectively better.

Some mid-priced suppliers deliver excellent engineering.

How to avoid it:

Compare the actual technical content of the product — power system, chip selection, calibration, safety certifications, cabinet precision.

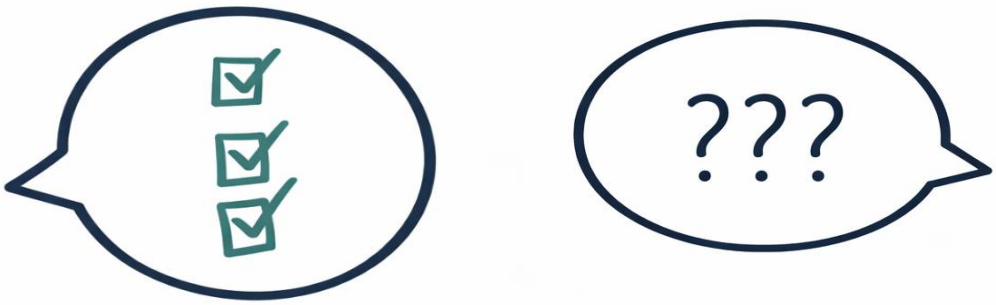


10. Not asking for clarity in direct sourcing

Direct sourcing can be efficient, but unclear communication about installation environment, power, cabling, or content requirements leads to mismatches.

How to avoid it:

Provide clear details, ask structured questions, confirm specifications, request photos or drawings, and ensure transparent documentation.



Conclusion

Avoiding these mistakes makes LED sourcing from China safer, more predictable, and more efficient.

A structured approach reduces risk and ensures the final product matches your project requirements.

If you need support comparing models or evaluating specifications, our team is ready to assist. Send us an e-mail at info@inficolorled.com.