

TAMPA INTERNATIONAL AIRPORT ELEVATES THE PASSENGER EXPERIENCE WITH NANOLUMENS



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FOR NEARLY A DECADE, TAMPA INTERNATIONAL AIRPORT (TPA) HAS RELIED ON NANOLUMENS TO ENHANCE THE PASSENGER EXPERIENCE WITH CUTTING-EDGE DISPLAY TECHNOLOGY.



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PROJECT OVERVIEW



Tampa International Airport (TPA) is one of Florida's largest airports, serving approximately 25 million passengers annually. With over 100 non-stop destinations across North America, South America, the Caribbean, and Europe, TPA is a major hub for domestic and international travel. Known for its efficiency and customer satisfaction, TPA has earned numerous accolades, including top rankings from Zagat, Condé Nast Traveler, and JD Power and Associates. In 2020, Airports Council International named it the best airport in North America for its size, and in 2024, Travel + Leisure ranked it the eighth-best domestic airport in the U.S. TPA is celebrated for its accessibility, smooth check-in process, and modern design, making it a favorite among travelers.

THE ROLE OF NANOLUMENS



"TPA has a history of leading the way in innovation," said Arch Nelson, Director of Themed Entertainment Experiences for Nanolumens. "Take their cell phone lot, for example. While they didn't invent the concept, theirs is arguably the best – spacious, well-designed, and user-friendly. They consistently set new standards, which is exciting because when they introduce something groundbreaking, we can showcase it to other airports as a model of excellence."

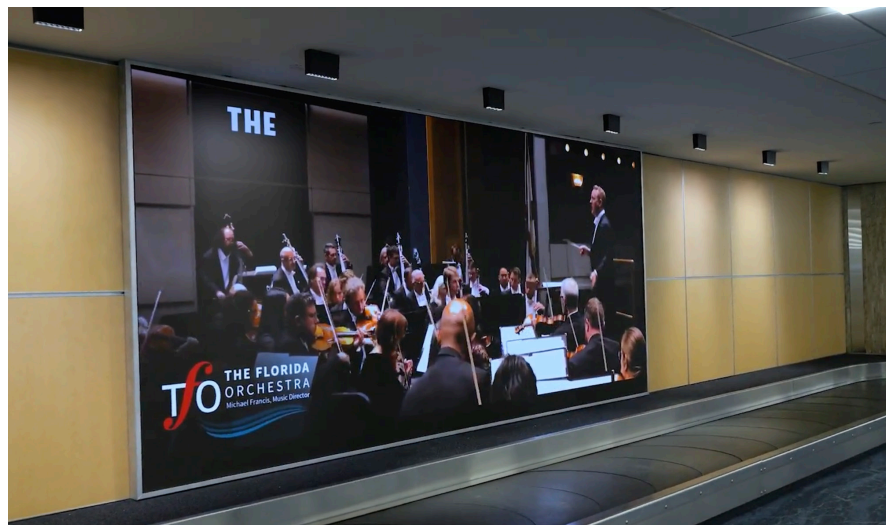
For nearly a decade, TPA has relied on Nanolumens as its trusted LED provider, continuously investing in new technologies to enhance the passenger experience. From the airport's first major LED installation to its most recent upgrades, Nanolumens has played a crucial role in bringing TPA's digital vision to life. As the airport expands and modernizes, its partnership with Nanolumens ensures that travelers are met with vibrant, high-quality displays that provide essential information and engaging content.

DESIGN INNOVATION

“While LED technology offers excellent visibility from multiple angles, TPA took an extra step to enhance the viewing experience,” explained Nelson. “They integrated five-degree angle adjustments on back-to-back displays, a subtle yet significant design choice that adds to the overall aesthetic and functionality. This attention to detail sets them apart from other airports across the world.”



TPA’s commitment to forward-thinking technology and design ensures that every traveler benefits from a seamless, modern, and engaging journey. Doug Wycoff, Senior Manager of Client Support and Innovation for Tampa International Airport, has played a pivotal role



in driving this vision forward, championing solutions that redefine how digital displays enhance airport environments.

OVERCOMING CHALLENGES



“Changing the culture around digital displays is never easy,” said Wycoff. “It’s a battle that requires proving the value of technology every step of the way. People don’t always know what’s possible until they see it. Some of our projects took years to gain approval. The ideas were proposed, shut down, revised, and then shut down again before moving forward. However, persistence paid off. That’s how we’ve pushed forward with our large-scale FIT (Flight Information Display) screens. We recognize that LED technology isn’t the cheapest option, but it’s about quality, longevity, and overall impact.”



LONG-TERM INVESTMENT



Wycoff added, “With Nanolumens’ LED displays, we’re creating a lasting investment. Traditional monitors might require frequent replacements, and when one fails in a video wall, replacing a single unit can make the entire setup look inconsistent. LED displays, on the other hand, provide a seamless, high-quality canvas that can last for a decade or more. For us, consistency is key. We need a trustworthy partner – one with a proven track record. Our first seven Nanolumens displays, installed over seven years ago, still perform like new. That longevity gives us confidence in every new project we take on. Most importantly, they always deliver a reliable, timely resolution when we need a custom solution – whether it’s a curved or flexible display.”

THE FUTURE OF DIGITAL DISPLAY AT TPA

Recently, TPA announced a significant investment in its future by constructing Airside D, a cutting-edge, 16-gate terminal designed to accommodate the region's growing tourism, population, and business needs. Set to open in 2028, the \$1.5 billion facility will serve as TPA's primary international arrivals and departures hub, helping the airport expand its capacity to welcome 35 million passengers annually by 2037.

"Looking ahead, we hope to expand our digital signage even further," said Wycoff.

"The baggage area still has older displays that could be upgraded, and our FIT screen rollout is just beginning.

Beyond that, major projects are on the horizon. We have plans to incorporate LED across the entire back wall in our upcoming ticket-level modernization. We're also developing the Airside D terminal, which will undoubtedly feature significant LED installations. Nanolumens and our other partners will play a crucial role in these expansions over the next decade."

Wycoff added, "This partnership isn't just about technology – it's about trust, adaptability, and long-term vision. And with Nanolumens, we know we have a partner who's just as invested in our success as we are."

With the upcoming Airside D terminal and ongoing digital display upgrades, TPA is setting new standards for efficiency, connectivity, and engagement. Through its trusted partnership with Nanolumens, the airport is ensuring that every traveler benefits from high-quality, seamless digital communication.



ABOUT NANOLUMENS

Nanolumens is a U.S.-based LED design and manufacturer headquartered in Atlanta, Georgia. Nanolumens offers world-class screens across multiple market segments, adding wonder to physical spaces. We're pioneers of the True Curve™ technology and are committed to being better. With a bold and visionary team of experts, we take your project, in all shapes and sizes, from concept to reality. We bring creative visions to life, leaving a first and lasting impression

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WE BRING YOUR CREATIVE VISIONS TO LIFE,
LEAVING A FIRST AND LASTING IMPRESSION.

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