



Seaport Science Center

Location: Boston, MA

Specifier: LAB Life. Science. Architecture, Inc.

Application: Labs and corridors

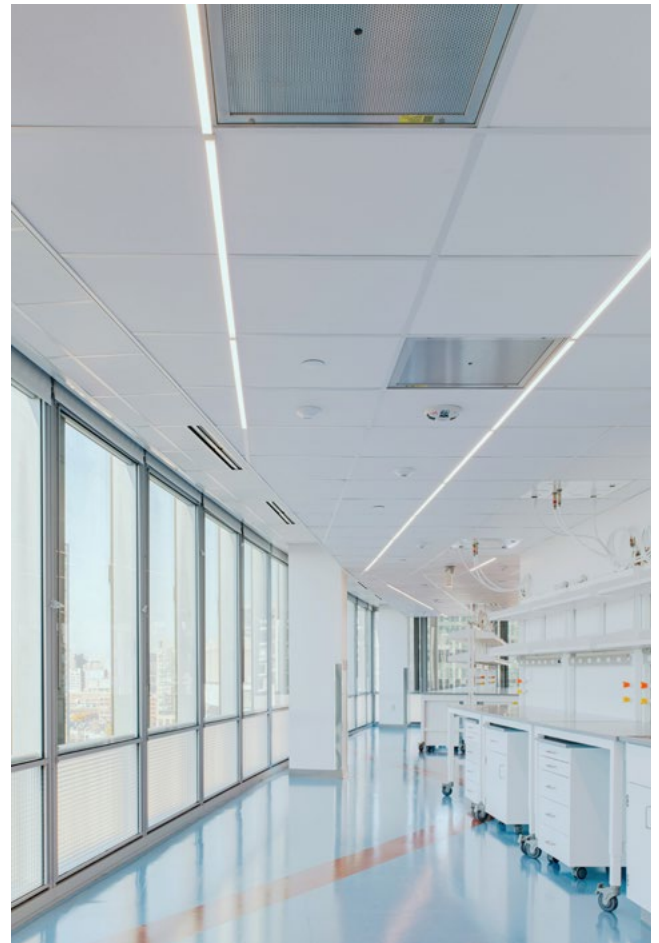
The Seaport Science Center in Boston, Massachusetts, is a 482,000-square-foot, LEED Gold-certified building with a renewed purpose. Formerly the headquarters of John Hancock, the facility has been reimagined to support the rapidly growing life sciences industry. Five floors of the building have been converted into state-of-the-art laboratories, illuminated by over 7,000 linear feet of T-BAR LED® fixtures and approximately 500 linear feet of GEMINI™ fixtures from JLC-Tech.

Laboratory environments come with strict requirements, such as cleanliness, pressurization, and environmental control. As a result, the ceiling space often becomes congested with utilities needed to support critical lab functions. LAB Architects turned to T-BAR LED and GEMINI to meet these challenges with a structurally integrated lighting solution.



T-BAR LED becomes a structural part of the ceiling system by replacing cross tees.

T-BAR LED becomes a structural part of the ceiling system by replacing cross tees. With a profile no wider or taller than a standard cross tee, it minimizes ceiling plenum penetration, creating a cleaner and less congested ceiling plane. This integrated design allows building utilities to be placed wherever needed and leaves the ceiling easily accessible for plenum access—an essential feature in lab environments.



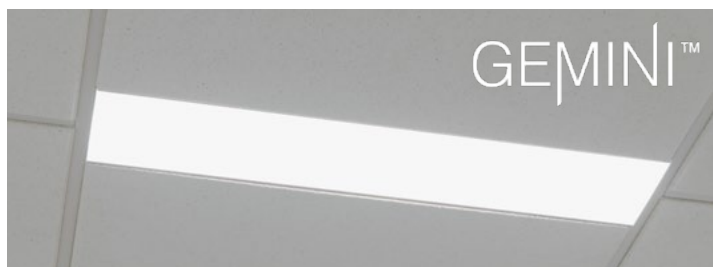


"T-BAR LED – it defines the space, really dominates your impression of the clean ceiling, and has that high-tech look that's appealing to innovation companies."

– Mark Reed, LAB Life. Science. Architecture, Inc.

Superior lighting performance is also critical. Linear runs of T-BAR LED were positioned directly over lab benches, delivering light levels of 80–100 foot-candles at the work surface—ideal for precise laboratory tasks.

GEMINI fixtures were used in the corridors to maintain a cohesive ceiling aesthetic throughout the floors. Like T-BAR LED, GEMINI replaces standard cross tees, requiring no custom ceiling modifications. Its diffuse light output creates a soft, comfortable ambiance for transitional spaces.



GEMINI replaces cross tees, requiring no custom ceiling modifications.

Both T-BAR LED and GEMINI share a compact form factor that significantly reduces shipping volume and onsite logistics. A single pallet—holding approximately 1,600 linear feet of T-BAR LED—can illuminate 25,000 square feet. In contrast, lighting the same area with conventional 2x2 troffers would require up to seven pallets. The reduced shipping and storage footprint simplifies installation and reduces job site clutter.

Installation is straightforward, and both lighting solutions preserve the architect's original design intent. T-BAR LED and GEMINI *are* the ceiling – delivering seamless integration, high performance, and logistical and economic efficiency.



<< Watch the Seaport Science
Center video case study here