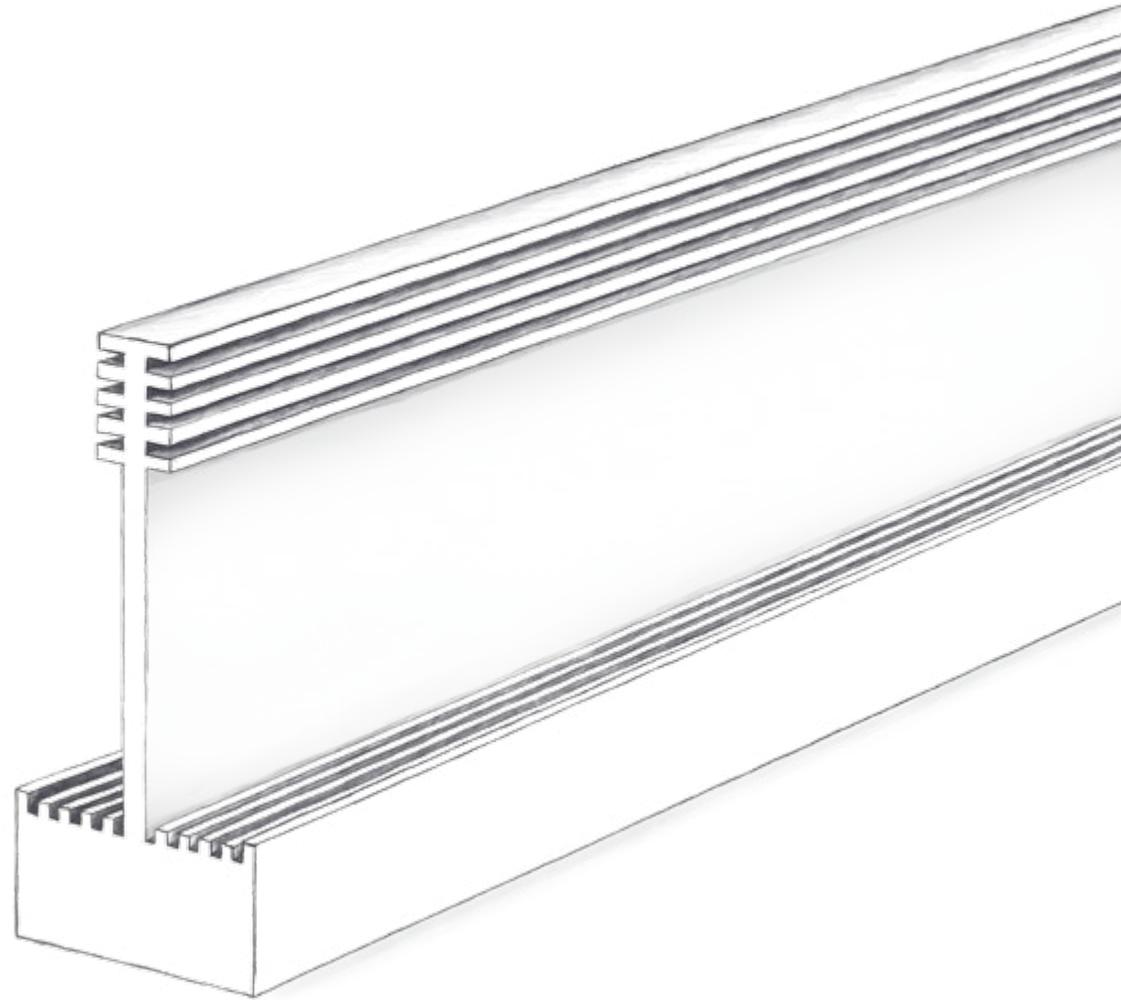




THE  
**F3BAR LED™** AT A GLANCE

JLC • tech

*“Any fool can make something complicated. It takes a genius to make it simple.”* – Woody Guthrie



## Project Portfolio

JLC-Tech was founded in 2010 with one singular vision: to create unique and useful LED lighting fixtures. By abandoning the tired and overused standards of light fixture design, JLC-Tech has successfully fused the best of LED technology with creative and structurally-interactive designs. This modern outlook on LED lighting has enabled JLC-Tech to create the T-BAR LED™, ***the only lighting fixture that actually replaces the cross tee in the suspended ceiling system.***



Logan Building  
Seattle, WA  
DLR Group

Armstrong® Ceilings MetalWorks™  
Tegular microperf panels with Suprafine® 15mm

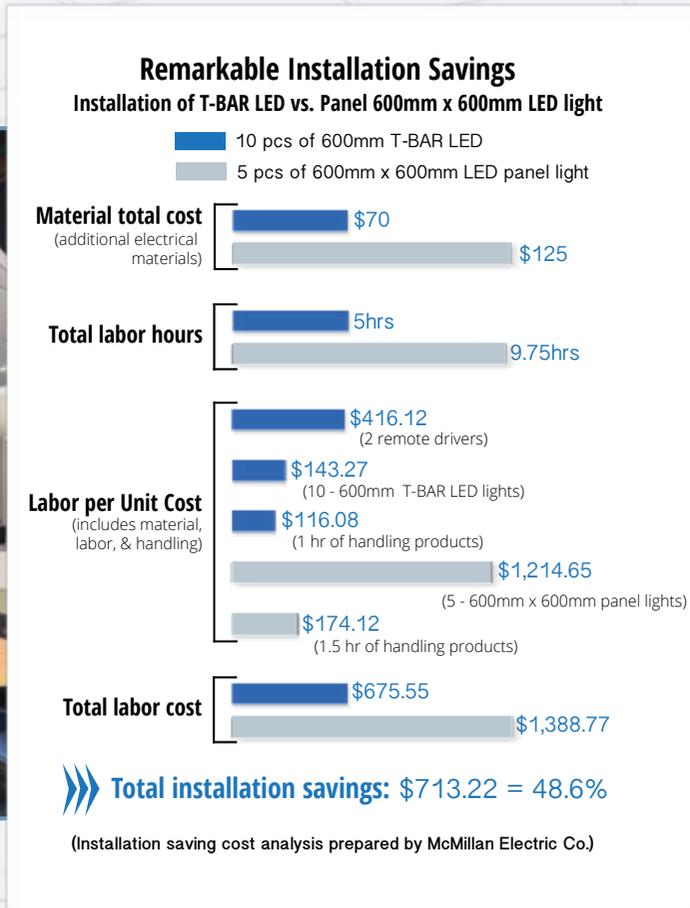


### **REDUCE AND SAVE**

The installation is a snap and requires minimal to no tools or field cutting of tiles. Third party studies have found that the cost of building materials and labor are reduced by nearly 50% when using the T-BAR LED in comparison to other lighting.

Project:  
**McMillan Electric Co. Office**  
 - San Francisco, CA

Specifier: **McMillan Electric Co.**  
 Application: **Headquarters office space**  
 Total square meters: **140 square meters**  
 Average lx level achieved: **270 lx at desk**



Quantity of products:  
**20 pcs - TBSL-MW-6-24-D-A-W**  
 T-BAR LED 600mm Diffusing Microprismatic Lens 24mm (3,500K)  
**12 pcs - TBSL-MW-6-24-B-A-W**  
 T-BAR LED 600mm Clear Block Optic 24mm (3,500K)

Armstrong® Ceilings  
 Prelude® XL® 24mm



*“easy to handle and install”*

*“Our goal in the design phase of our new office was to showcase lighting that was unique, modern and would stay current. We saw the T-BAR LED demo pack and our search was over. The fixtures arrived on time to meet schedule. The T-BAR LEDs were easy to handle and install. The quality and performance exceeds expectations.”*

– David Auch, Vice President of McMillan Electric Co.

Project:  
**Saint-Gobain & CertainTeed  
North American Headquarters**  
- Malvern, PA

Specifier: **HLB Lighting**  
Application: **Conference rooms and cafeteria**  
Total square meters: **1.765 square meters**  
Average lx level: **375 lx level at desk in conference rooms**  
**270 lx level at desk in cafeteria**



Quantity of products:

**72 pcs - TBSL-MW-6-15-D-U-W**  
T-BAR LED 600mm Diffusing Microprismatic Lens 15mm (3,500K)

**64 pcs - TBSL-MW-12-15-D-U-W**  
T-BAR LED 1200mm Diffusing Microprismatic Lens 15mm (3,500K)



*“This project was meant to showcase Saint Gobain’s various building products. The ease of installation and minimal look of the T-BAR LED was great. The unique style is appealing and it was a great fixture to play with - especially to build patterns and unique layouts that would have been impossible with traditional slot fixtures due to installation, costs, and energy use.”*

– Lee Brandt, Principal of HLB Lighting

*“unique layouts”*

Project:

**Butler Elementary School**

- Cottonwood Heights, UT

Specifier: **Envision Engineering**

Application: **Corridors**

Total square meters: **850 square meters**

Average lx level achieved: **160 lx level at floor**



Quantity of products:

**311 pcs - TBSL-MW-6-24-D-U-W**

T-BAR LED 600mm Diffusing Microprismatic  
Lens 24mm (3,500K)

**34 pcs - TBSL-MW-12-24-D-U-W**

T-BAR LED 1200mm Diffusing Microprismatic  
Lens 24mm (3,500K)

**50 pcs - TBSL-MW-12L-24-D-U-W**

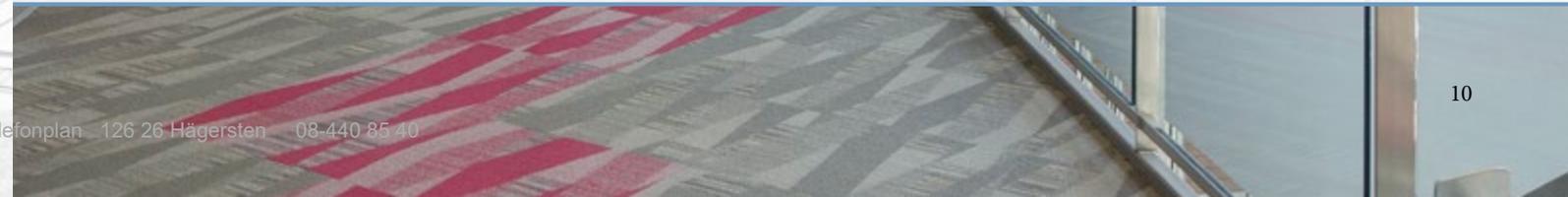
T-BAR LED 12L Model Diffusing Microprismatic  
Lens 24mm (3,500K)

*“portray the theme”*



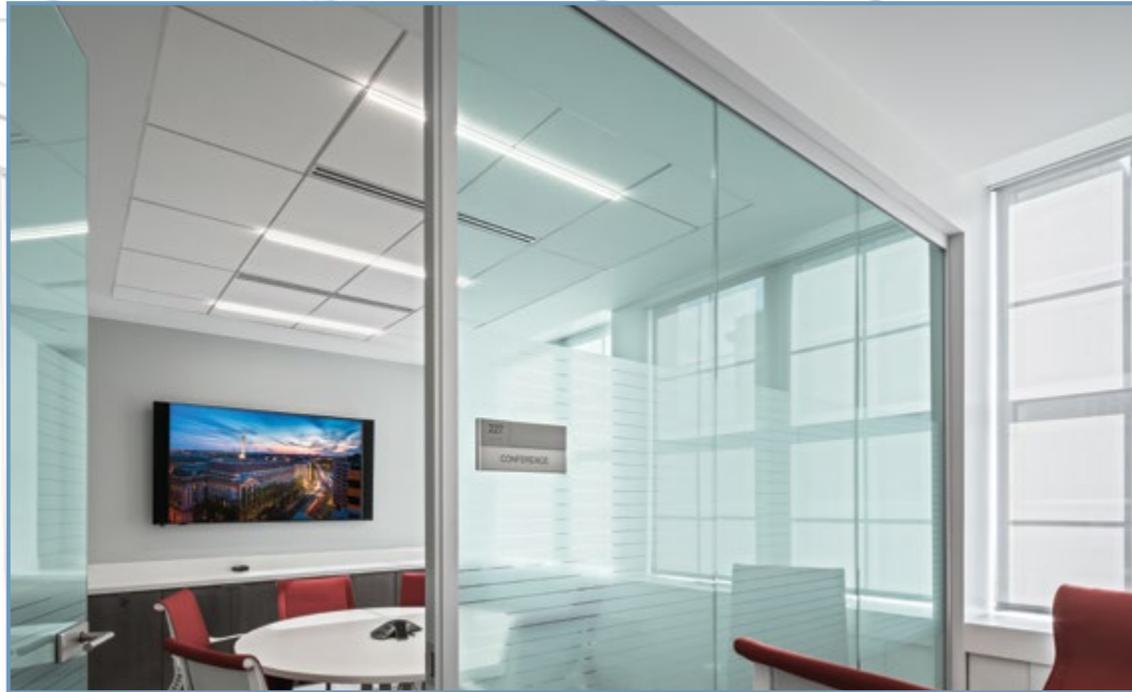
*“The theme of this School was Mountains and Valleys. The Architect wanted to portray the theme into the main corridors of the building. The T-BAR LED lighting system was used to create the mountains and valleys in the corridor ceilings using a rotated ceiling grid layout. The lighting system did a great job illuminating the corridors and stairwells without cluttering the ceiling and creating the ‘Mountain and Valley’ look.”*

– Scott Kingery, Project Manager at Envision Engineering



Project:  
**American National Red Cross**  
- Washington, D.C.

Specifier: **HOK / LOOP Lighting**  
Application: **National Headquarters**  
Total square meters: **2.790 square meters**  
Average lx level achieved: **440 lx level at desk**



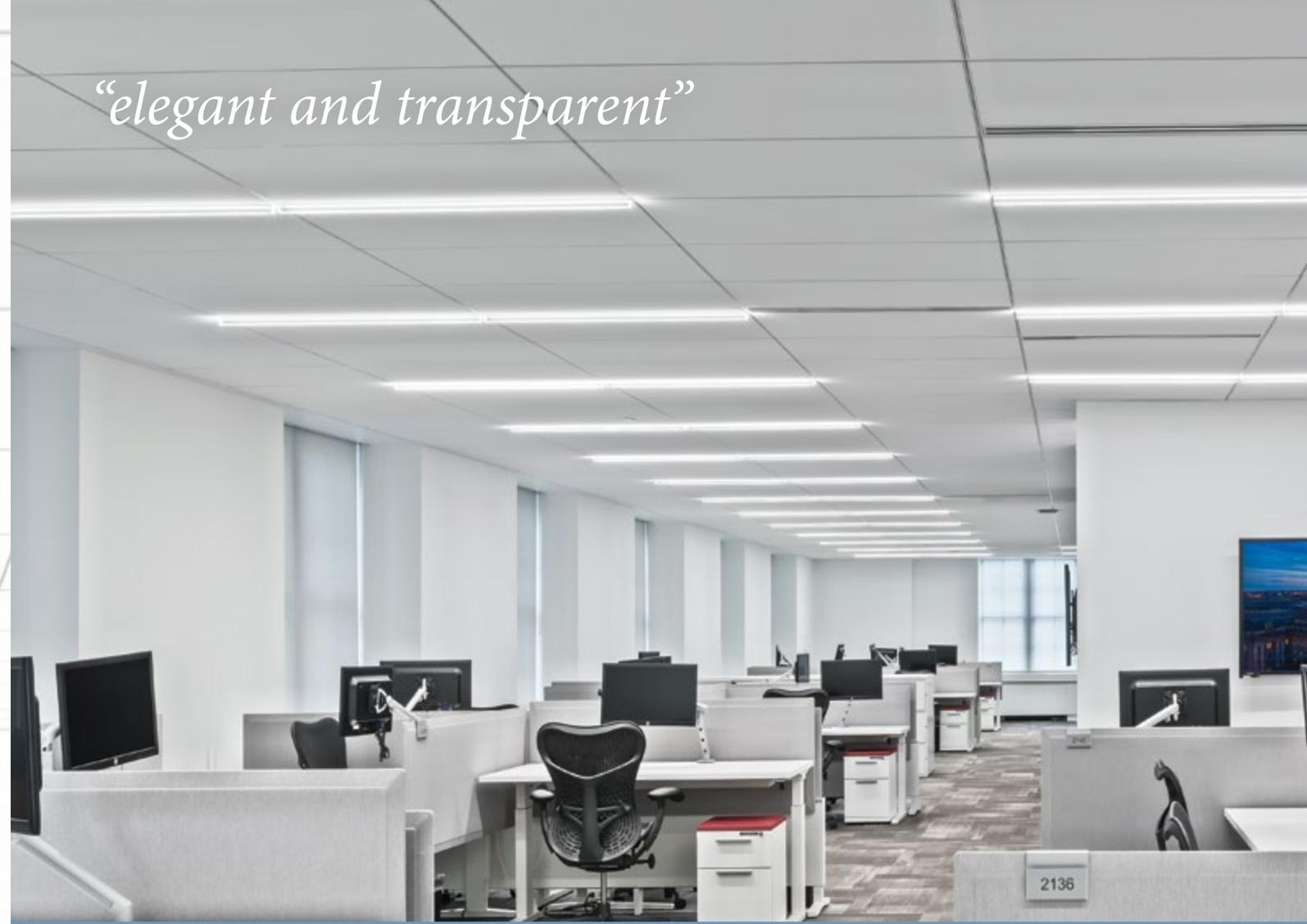
Armstrong® Ceilings  
Optima® Panels 3257 15mm

Quantity of products:

**676 pcs - TBSL-MW-12-15-B-A-W**  
T-BAR LED 1200mm Clear Block Optic 15mm (3,500K)

**3 pcs - TBSL-MW-6-15-B-A-W**  
T-BAR LED 600mm Clear Block Optic 15mm (3,500K)

*“elegant and transparent”*



*“We selected the T-BAR LED lighting system for its elegant, transparent, innovative design, which mirrored HOK’s renovation goals for the historic American Red Cross National Headquarters. The translucent quality of the T-BAR LED light fixtures provided the perfect visual connection between the perimeter windows of the open office and the glass walls of the private meeting rooms. The client and contractor appreciated the efficiency and ease of installation.”*

– Alina Ainza, LOOP Lighting

Project:

**Worthington Industries**

- Columbus, OH

Specifier: **BHDP Architecture**

Application: **Conference rooms**

Total square meters: **140 square meters**

Average lx level achieved: **430 lx level at desk**



Armstrong® Ceilings  
DC FlexZone™ 15mm

Quantity of products:

**31 pcs - TBSL-MW-12-15-D-A-W**

**T-BAR LED 1200mm Diffusing Microprismatic Lens 15mm (3,500K)**



*“We recently installed the DC FlexZone and T-BAR LED lights in our new Innovation Center as we were looking to utilize innovative products that provide flexibility, energy savings and inspire people to change the status quo.”*

– Michael Luh, Vice President of Innovation for Worthington Industries

*“inspire people to change”*



## **NO PLENUM OCCUPANCY**

The minimalistic low profile lighting leaves the space above the ceiling completely unoccupied and facilitates the coordination of placing other ceiling utilities.

Project:

**AWeber Communications**

- Chalfont, PA

Specifier: **Wulff Architects Inc.**

Application: **Recreation room**

Total square meters: **150 square meters**

Average lx achieved: **300 lx level at desk**



Armstrong® Ceilings  
Suprafine® XL® 15mm

Quantity of products:

**50 pcs - TBSL-HN-6-15-D-U-W**

T-BAR LED 600mm Diffusing Microprismatic Lens 15mm (4,500K)

**9 pcs - TBSL-HN-12-15-D-U-W**

T-BAR LED 1200mm Diffusing Microprismatic Lens 15mm (4,500K)



*“With less than three inches above the suspended ceiling system, the T-BAR LED was the perfect fit due to its minimum plenum occupancy that directly integrates into the ceiling grid.”*

*“minimum plenum occupancy”*

Project:

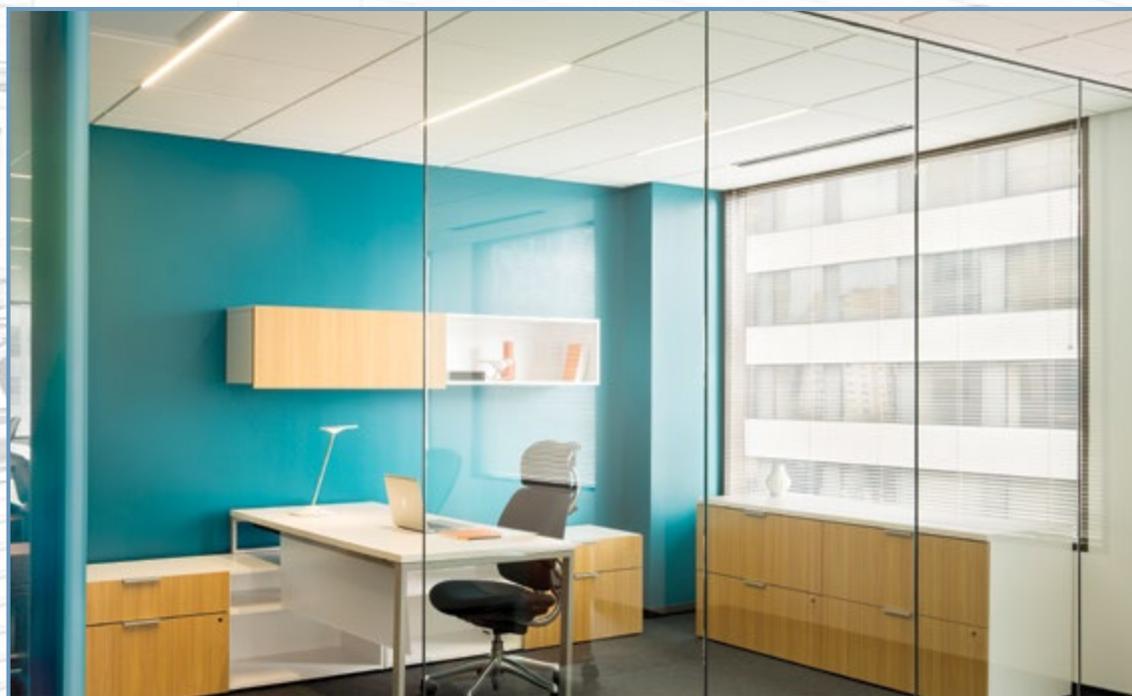
**Crystal City Design Lab**  
- Arlington, VA

Specifier: RTKL

Application: Office space

Total square meters: 223 square meters

Average lx level achieved: 350 lx level at desk



Quantity of products:

30 pcs - TBSL-MW-12-15-D-U-W

T-BAR LED 1200mm Diffusing Microprismatic Lens 15mm (3,500K)

*“placement flexibility”*



*“The ability to minimize plenum depth and maximize ceiling height, the benefit of placement flexibility with wide spacing along with its integration into the ceiling grid and clean minimal design aesthetic, are the reasons we specified the T-BAR LED at the Vornado Design Lab.”*

– Nathan Ferrance, Architect

Project:  
**The American Beverage Association**  
- Washington, D.C.

Specifier: **FOX Architects**  
Application: **Lobby, conference rooms and café**  
Total square meters: **280 square meters**  
Average lx level achieved: **215 lx level at desk in elevator lobby**  
**325 lx level at desk in reception area**  
**430 – 540 lx level at desk in conference rooms and café**



Quantity of products:  
**52 pcs - TBSL-MW-12-24-B-U-W**  
T-BAR LED 1200mm Clear Block Optic 24mm (3,500K)



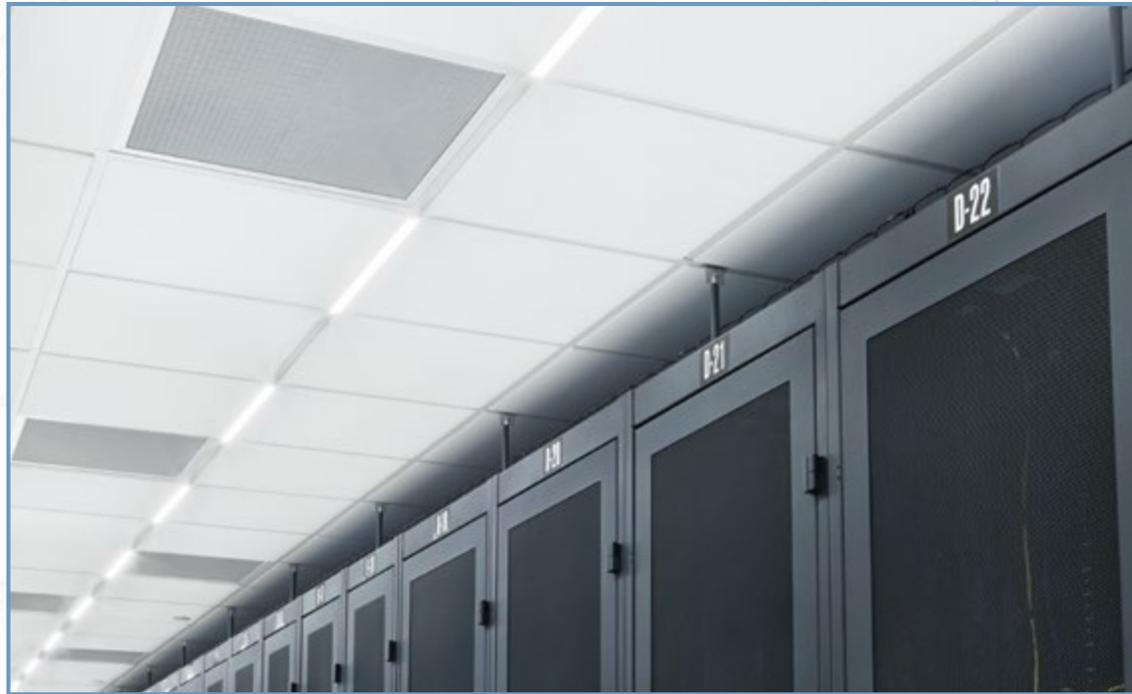
*“We chose the T-BAR LED because it reinforced the overall concept for the American Beverage Association project – creating a sleek, modern space, unified by a central ceiling element. This building had incredible challenging ceiling heights and plenum space. The T-BAR LED provided our team with the liberty to locate the lights where needed, free of challenges from above-ceiling conflicts.”*

- Brent Kruse, Project Manager at FOX Architects

*“freedom to locate the lights where needed”*

Project:  
**Mid Atlantic Region**

Specifier: Facility Management / Illuminations Inc.  
Application: Data center hot aisles  
Total square meters: 96 square meters  
Average lx level achieved: 190 lx level at floor



Quantity of products:  
48 pcs - TBSL-MW-6-24-D-A-W  
T-BAR LED 600mm Diffusing Microprismatic Lens 24mm (3,500K)

Armstrong® Ceilings  
DC FlexZone™ 24mm



*“low voltage DC power”*

*“While the Data Center generates an excessive amount of heat and requires complex ventilation systems, the T-BAR LED helps maintain that efficiency with low voltage DC power without generating extra heat.”*

Project:  
**East Courts Building**  
- Phoenix, AZ

Specifier: DFDG - Dick & Fritsche Design Group  
Application: Courtrooms and hallways  
Total square meters: 270 square meters  
Average lx level achieved: 590 lx level at desk



Armstrong® Ceilings  
Prelude® XL® 24mm

Quantity of products:

72 pcs - TBSL-HN-6-24-D-U-W  
T-BAR LED 600mm Diffusing Microprismatic Lens 24mm (4,500K)  
30 pcs - TBSL-HN-12-24-D-U-W  
T-BAR LED 1200mm Diffusing Microprismatic Lens 24mm (4,500K)

*“a very clean solution”*



*“Aesthetically, the T-BAR LEDs provided a very clean solution. Functionally, they allow speakers to be positioned based on where they are best suited. And to top it off, the various ducts, sprinkler pipes, and electrical conduits easily fit without having to coordinate around light locations.”*

- Chad Billings, Principal of DFDG

Project:

**Bob Swope Ford Dealership**

- Elizabethtown, KY

Specifier: **Engineered Lighting Sales, Inc.**

Application: **Showroom**

Total square meters: **260 square meters**

Average lx level achieved: **430 lx level at desk**



Quantity of products:

**47 pcs - TBSL-MW-6-24-D-U-W**

T-BAR LED 600mm Diffusing Microprismatic Lens 24mm (3,500K)

**3 pcs - TBSL-MN-6-24-S-U-W**

T-BAR LED 600mm Signage Diffusing Lens 24mm (4,000K)



*“The owner saw the product installed on another project and loved the high-tech and minimalist look. The lighting did not overwhelm the ceiling space and fit nicely with the new updated contemporary look for the showroom.”*

- Ernest Cruse II, President of Engineered Lighting Sales

*“loved the high-tech look”*



## IMPROVED ACOUSTICS

The clean modern lights occupy the grid allowing for the use of uninterrupted ceiling panels, creating a uniform ceiling design and optimizing sound absorption and light reflectance.

Project:  
**AARP Renovation Project**  
- Washington, D.C.

Specifier: **OPX Design Consultancy**  
Application: **Conference/focus/work rooms**  
Total square meters: **240 square meters**  
Average lx level achieved: **340 lx level at desk**



Quantity of products:

**43 pcs - TBSL-MW-6-15-D-U-W**  
T-BAR LED 600mm Diffusing Microprismatic Lens 15mm (3,500K)

**46 pcs - TBSL-MW-12-15-D-U-W**  
T-BAR LED 1200mm Diffusing Microprismatic Lens 15mm (3,500K)



*“There are many reasons why we chose to use the T-BAR LED fixtures, and probably none more than acoustics. This client was very sensitive to sound transfer between enclosed spaces, and the T-BAR LED was a big part of our solution. Having the fixture integrated into the ceiling grid system allows additional ceiling tiles to be installed to absorb sound, and also to limit sound transfer through the light fixture, which is not the case with a traditional 2x2 fixture.”*

– Erik Wyche, OPX Design Consultancy

*“improved acoustics”*

Project:

## The Bambora Project

- Stockholm, Sweden

Specifier: MER Architects

Application: Conference and waiting rooms

Total square meters: 90 square meters

Average lx level achieved: 350 lx level at floor



Quantity of products:

20 pcs - TBSL-HW-12-24-D-U-W

T-BAR LED 1200mm Diffusing Microprismatic Lens 24mm (3,000K)

10 pcs - TBSL-HW-6-24-D-U-W

T-BAR LED 600mm Diffusing Microprismatic Lens 24mm (3,000K)



*“sophisticated simplicity”*

*“The Bambora company is known for their sophisticated simplicity in the commerce field. The owners wanted to bring the same theme to their new office and conference room settings. The T-BAR LED was the perfect fit, adding a unique look while improving sound quality.”*



Project:

## Rhode Island College, Gaige Hall

- Providence, RI

Education

Specifier: LLB Architects, Inc.

Application: Lobby, multi-purpose room, corridors

Total square meters: 745 square meters

Average lx level achieved: 300 lx level at floor in lobby

260 lx level at floor in multi-purpose room

270 lx level at floor in corridors



Armstrong® Ceilings MetalWorks™ Suprafine® XL® 15mm

Armstrong® Ceilings Prelude® 24mm

Quantity of products:

50 pcs - TBSL-MW-12-24-B-U-W

T-BAR LED 1200mm Clear Block Optic 24mm (3,500K)

8 pcs - TBSL-MW-6-24-D-U-W

T-BAR LED 600mm Diffusing Microprismatic Lens 24mm (3,500K)

21 pcs - TBSL-MW-12-24-D-U-W

T-BAR LED 1200mm Diffusing Microprismatic Lens 24mm (3,500K)

15 pcs - TBSL-MW-6-24-A-U-W

T-BAR LED 600mm Asymmetric Lens Optic 24mm (3,500K)

16 pcs - TBSL-MW-12-15-D-U-W

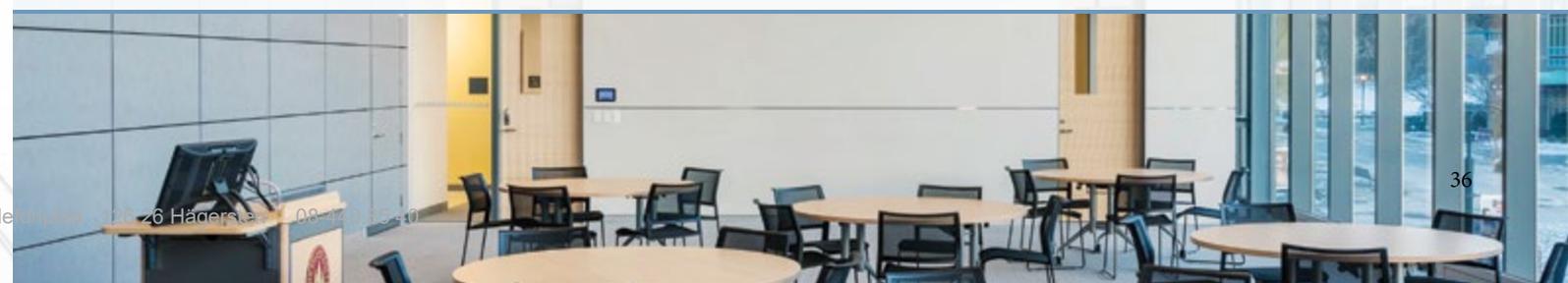
T-BAR LED 1200mm Diffusing Microprismatic Lens 15mm (3,500K)

*“elegant aesthetics”*



*“The T-BAR LED fixtures were chosen for their elegant aesthetics, ease of installation, and minimal space needs in the ceiling plenum.”*

– Enno Fritsch, Associate/Director of Design Communication at LLB Architects



Project:

**Equity Office**

- Boston, MA

Specifier: **Dyer Brown Architects**

Application: **Office Space**

Total square meters: **270 square meters**

Average lx level achieved: **590 lx level at desk**



Armstrong® Ceilings  
Ultima® 24mm

Quantity of products:

**16 pcs - TBSL-MW-12-24-D-U-W**

**T-BAR LED 1200mm Diffusing Microprismatic Lens 24mm (3,500K)**

*“a minimalistic look”*



*“The T-BAR LED was chosen for this space due to the look of the fixture. Equity wanted a minimalistic look and this was exactly what they were looking for. They liked how the light blended in and fit within a ceiling grid.”*

- Heather Stanley, Senior Project Manager at Dyer Brown Architects

Project:

**Bishop McVinney Memorial Auditorium**

- Providence, RI

Specifier: **Abernathy Lighting Design / Torrado Architects**

Application: **Auditorium entrance lobby**

Total square meters: **170 square meters**

Average lx level achieved: **215 lx level at floor**



Quantity of products:

**8 pcs - TBSL-HW-6-24-D-U-W**

T-BAR LED 600mm Diffusing Microprismatic Lens 24mm (3,000K)

**44 pcs - TBSL-HW-12-24-D-U-W**

T-BAR LED 1200mm Diffusing Microprismatic Lens 24mm (3,000K)



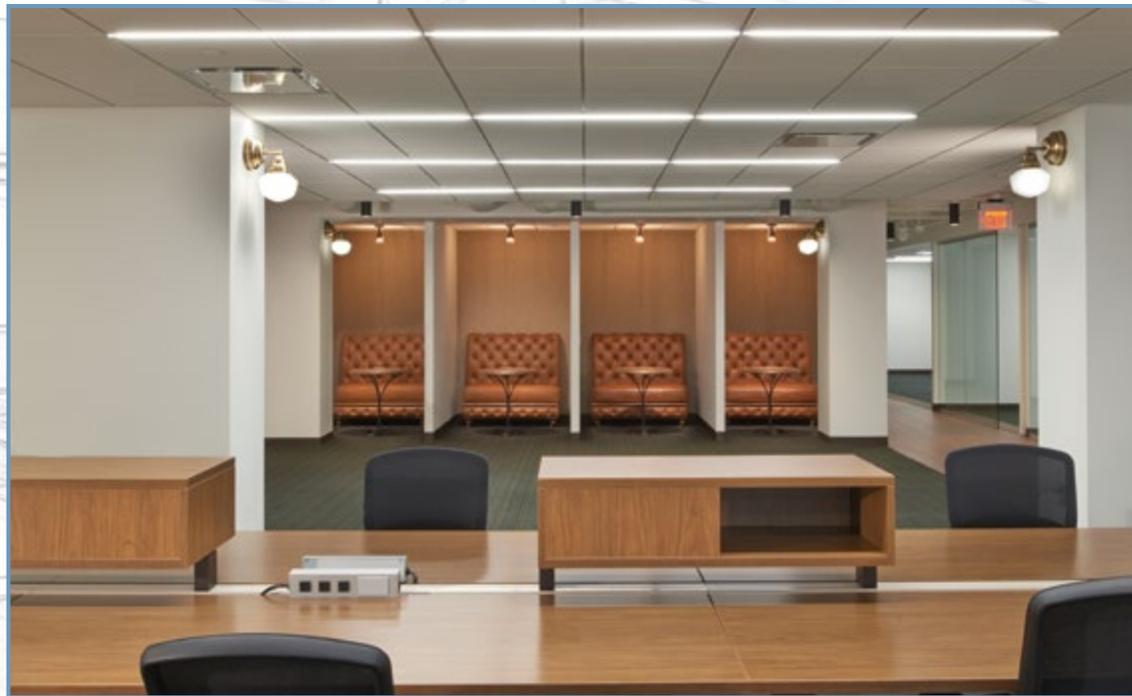
*“The raked ceiling and the T-BAR system allowed us to provide the general area lighting that we needed along with the marquee sparkle that every Theater desires for an entrance. The rake was important for the architectural effect as it made the lighting itself more visible. The T-BAR’s low profile proved to be the one lighting system that could achieve both effects.”*

– Kathy Abernathy, Principal of Abernathy Lighting Design

*“the architectural effect”*

Project:  
**Beacon Capital Spec Suite Offices**  
- McLean, VA

Specifier: **Wingate Hughes Architects**  
Application: **Office Space**  
Total square meters: **1.390 square meters**  
Average lx level achieved: **485 lx level at desk**



Armstrong® Ceilings  
Suprafine® XL® HRC 15mm

Quantity of products:  
**406 pcs - TBSL-MW-12-15-D-U-W**  
T-BAR LED 1200mm Diffusing Microprismatic Lens 15mm (3,500K)



*“Wingate Hughes Architects set the building’s sustainable-lighting standard when we installed the T-BAR LED lights in the four Beacon Capital Spec Suite Offices. Additionally, the four suites cater to tenants needs as they are flexible in functionality and aesthetically appealing. In anticipation of room and office conversions, the lights are installed on a standard spacing module allowing the future tenant to put up walls (or remove them) without affecting the lighting layout.”*

– Meghan Fuentes, Wingate Hughes Architects

*“set the sustainable lighting standard”*



## **EVEN LUX LEVELS**

The versatile lighting can be placed in the ceiling wherever light is needed or desired, resulting in a more uniform illumination and the ability to achieve the lux levels required.

Project:

**UNUM Therapeutics**  
- Cambridge, MA

Specifier: Perkins + Will

Application: Office space

Total square meters: 325 square meters

Average lx level achieved: 345 lx level at desk



Armstrong® Ceilings  
Dune™ Beveled Tegular 24mm

Quantity of products:

**162 pcs - TBSL-MW-12-24-D-A-W**  
T-BAR LED 1200mm Diffusing Microprismatic  
Lens 24mm (3,500K)

**78 pcs - TBSL-MW-6-24-D-A-W**  
T-BAR LED 600mm Diffusing Microprismatic  
Lens 24mm (3,500K)

**18 pcs - TBSL-MW-12-24-A-A-W**  
T-BAR LED 1200mm Asymmetric Lens Optic  
24mm (3,500K)

**30 pcs - TBSL-MW-12L-24-D-A-W**  
T-BAR LED 12L Model Diffusing Microprismatic  
Lens 24mm (3,500K)

Fox Belysning AB | Tellusgängen 8 | Telefonplan 126 26 Hågersten | 08-440 85 40

*“a creative, non-institutional feel”*

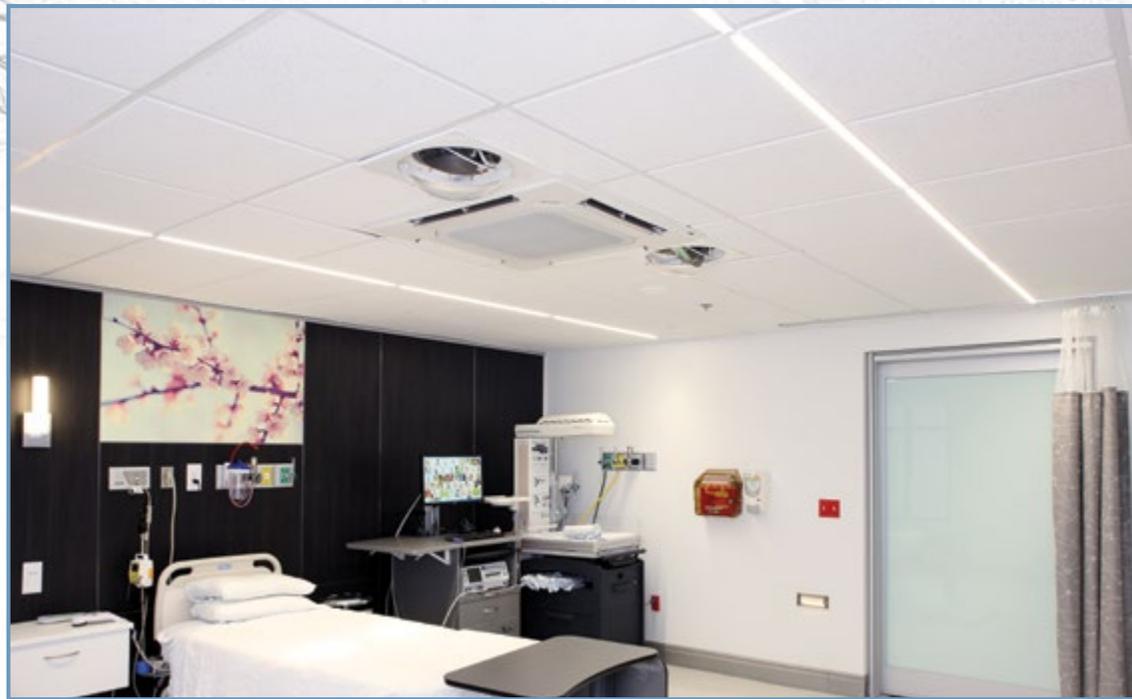


*“The lights convey a minimalist, modern feel. The flexibility to adjust the spacing and alignment of the T-BAR LEDs gives our space a creative, non-institutional feel that is hard to avoid with most alternative lighting options.”*

– Chuck Wilson, CEO of UNUM Therapeutics

Project:  
**Springhill Medical Center**  
- Mobile, AL

Specifier: **AMA Lighting**  
Application: **Birthing suites**  
Total square meters: **30 square meters**  
Average lx level achieved: **420 lx level at desk**



Armstrong® Ceilings  
Prelude® XL® 24mm

Quantity of products:

**6 pcs - TBSL-MW-6-24-D-U-W**  
T-BAR LED 600mm Diffusing Microprismatic Lens 24mm (3,500K)

**6 pcs - TBSL-MW-12-24-D-U-W**  
T-BAR LED 1200mm Diffusing Microprismatic Lens 24mm (3,500K)

*“functionally efficient”*



*“The T-BAR LED is attractive in appearance and very functionally efficient, giving off a surprising amount of light for its small profile. It was the perfect union of aesthetics and function. Even our contractors said that it is quick and easy to install.”*

Project:  
**Sandbox ColLABorative,**  
**Southern New Hampshire University**  
- Manchester, NH

Specifier: **Perry Dean Rogers | Partners Architects**  
Application: **R&D educational facility**  
Total square meters: **70 square meters**  
Average lx level achieved: **485 lx level at desk**



Armstrong® Ceilings  
WoodWorks® Grille Tegular 24mm

Quantity of products:

**22 pcs - TBSL-MW-12-24-D-A-C**  
T-BAR LED 1200mm Diffusing Microprismatic Lens 24mm (3,500K)  
custom color - matte black

“seamless integration”



“The seamless integration of the T-BAR LED with the wood slatted ceiling offered the Design Team a well-coordinated and aesthetically pleasing solution to the ‘feature space’ of the Sandbox ColLABorative.”

– Todd Shafer, Perry Dean Rogers | Partners Architects

Project:

**Foster Kia Dealership**

- Toronto, ON Canada

Specifier: e-Lumen International Inc. Consulting Engineers

Application: Showroom and offices

Total square meters: 215 square meters

Average lx level achieved: 880 lx level at desk in showroom

460 lx level at desk in offices

200 lx level at desk in corridor



Armstrong® Ceilings  
Prelude® XL® 24mm

Quantity of products:

97 pcs - TBSL-MW-12-24-D-U-W

T-BAR LED 1200mm Diffusing Microprismatic Lens 24mm (3,500K)



*“less watts per square foot”*

*“The T-BAR LED system was chosen for this particular location because of its unique look. Like no other product, T-BAR LED allows the ceiling to look clean and adds the flexibility to mount the lights wherever we want. This solution provides the end user less watts per square foot while achieving the high illumination required for this application.”*

– Jerry Mobilio, Principal of e-Lumen International Inc.

Project:

**Bank of the West**

- San Francisco, CA

Specifier: **Gensler / Birkenstock Lighting Design**

Application: **Banking facility**

Total square meters: **500 square meters**

Average lx level achieved: **440 lx level at desk**



Armstrong® Ceilings  
Prelude® XL® 24mm

Quantity of products:

**30 pcs - TBSL-MW-12-24-D-U-W**

**T-BAR LED 1200mm Diffusing Microprismatic Lens 24mm (3,500K)**



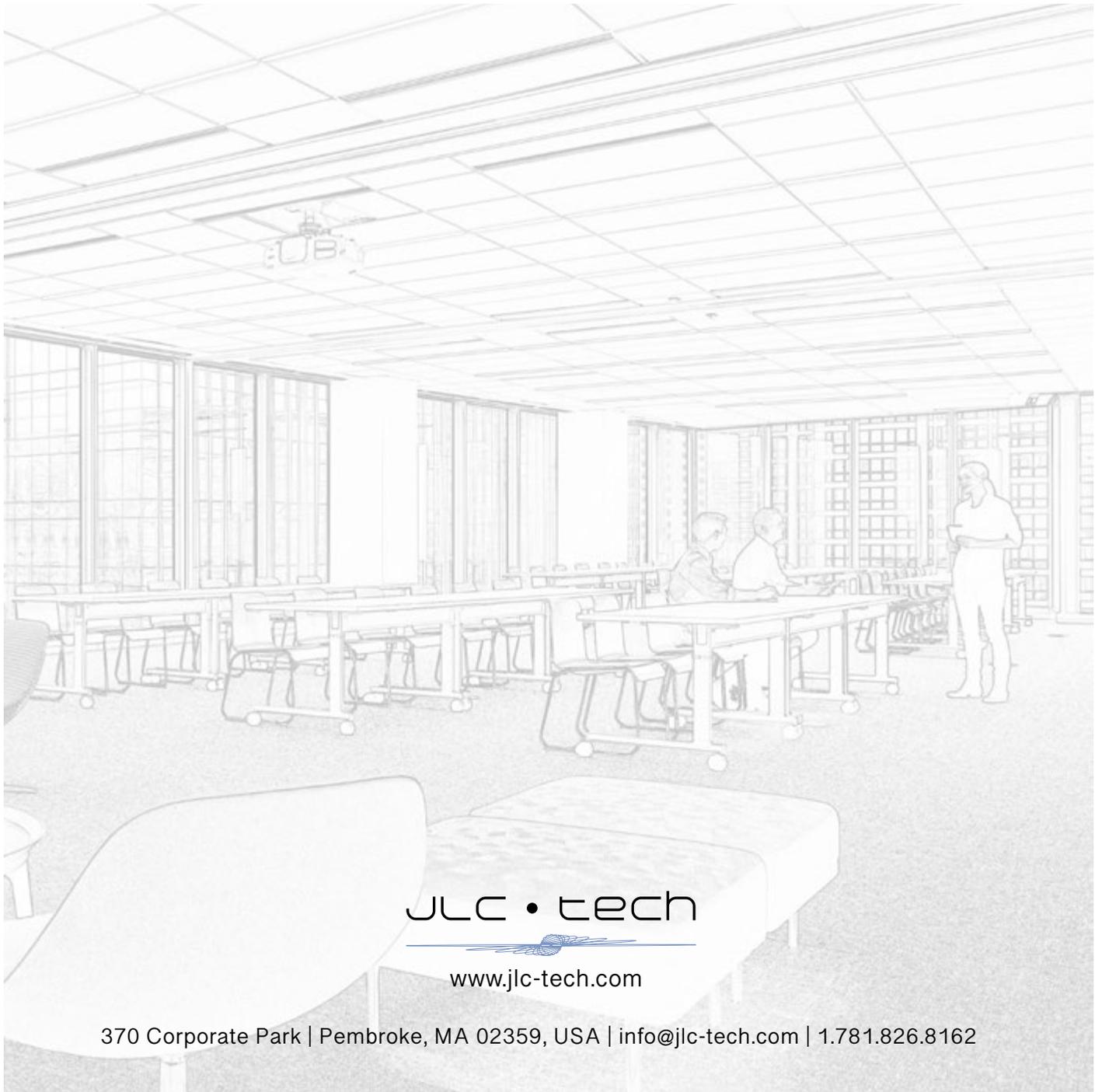
*“The T-BAR LED lighting system offers a minimalist, high-performing solution for our retail design needs. The seamless integration into the ceiling system creates a clean and modern aesthetic that enhances the overall design, creating a balance between light and space.”*

- Prasert Wiwatyukhan, Designer at Gensler

*“creating a balance”*

*“Designers can now almost paint with the light, placing the fixtures wherever light is needed in the space.”*

– Mia Antonia, Principal Partner of JLC-Tech



JLC • tech

[www.jlc-tech.com](http://www.jlc-tech.com)

370 Corporate Park | Pembroke, MA 02359, USA | [info@jlc-tech.com](mailto:info@jlc-tech.com) | 1.781.826.8162