



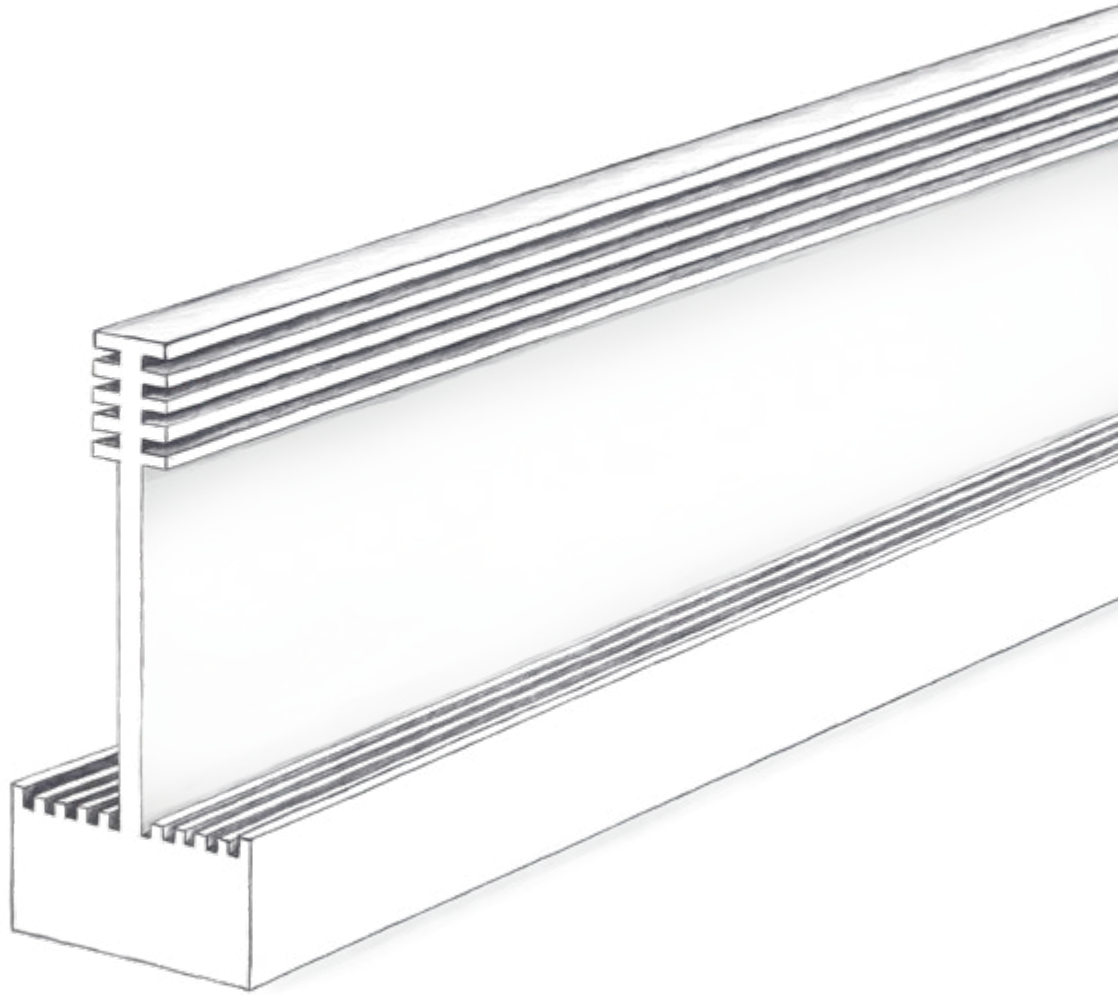
THE  
T3BAR LED® AT A GLANCE

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 microperforated panels with Suprafine® 9/16"*





## **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

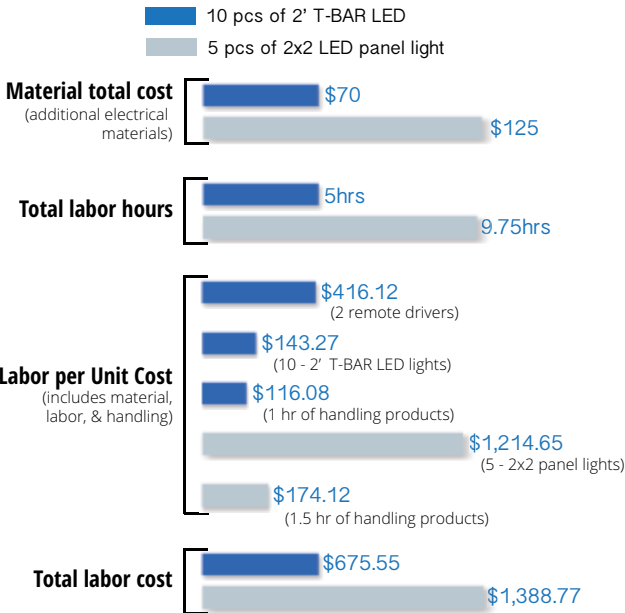
Specifier: **McMillan Electric Co.**  
Application: **Headquarters office space**  
Total square footage: **1,514.59 sq ft**  
Average foot candle achieved: **25 FC at desk**



Quantity of products:  
**20 pcs - TBSL-MW-2-24-D-A-W**  
T-BAR LED 2’ Diffusing Lens 15/16” (3,500K)  
**12 pcs - TBSL-MW-2-24-B-A-W**  
T-BAR LED 2’ Block Diffusing Lens 15/16” (3,500K)

**Remarkable Installation Savings**

Installation of T-BAR LED vs. Panel 2x2 LED light



➤➤➤ **Total installation savings: \$713.22 = 48.6%**

(Installation saving cost analysis prepared by McMillan Electric Co.)

Armstrong® Ceilings  
Prelude® XL® 15/16”



A wide-angle photograph of a modern office interior. The ceiling is a white grid with several rectangular T-BAR LED light fixtures installed, providing a warm, yellowish glow. Below the ceiling, there are white cubicle walls and desks. In the background, there are glass partitions and a brick wall. The overall atmosphere is clean and professional.

*“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 Design**

*Application:* **Conference rooms and cafeteria**

*Total square footage:* **19,000 sq ft**

*Average foot candle achieved:* **35 FC at desk in conference rooms  
25 FC at desk in cafeteria**



*Quantity of products:*

**72 pcs - TBSL-MW-2-15-D-U-W**  
T-BAR LED 2' Diffusing Lens 9/16" (3,500K)

**64 pcs - TBSL-MW-4-15-D-U-W**  
T-BAR LED 4' Diffusing Lens 9/16" (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 Design

*“unique layouts”*

*Project:*

**Butler Elementary School**

– Cottonwood Heights, UT

*Specifier: Envision Engineering*

*Application: Corridors*

*Total square footage: 9,152 sq ft*

*Average foot candle achieved: 15 FC at floor*



*Quantity of products:*

**311 pcs - TBSL-MW-2-24-D-U-W**

T-BAR LED 2' Diffusing Lens 15/16" (3,500K)

**34 pcs - TBSL-MW-4-24-D-U-W**

T-BAR LED 4' Diffusing Lens 15/16" (3,500K)

**50 pcs - TBSL-MW-4L-24-D-U-W**

T-BAR LED 4L Model Diffusing Lens 15/16" (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**

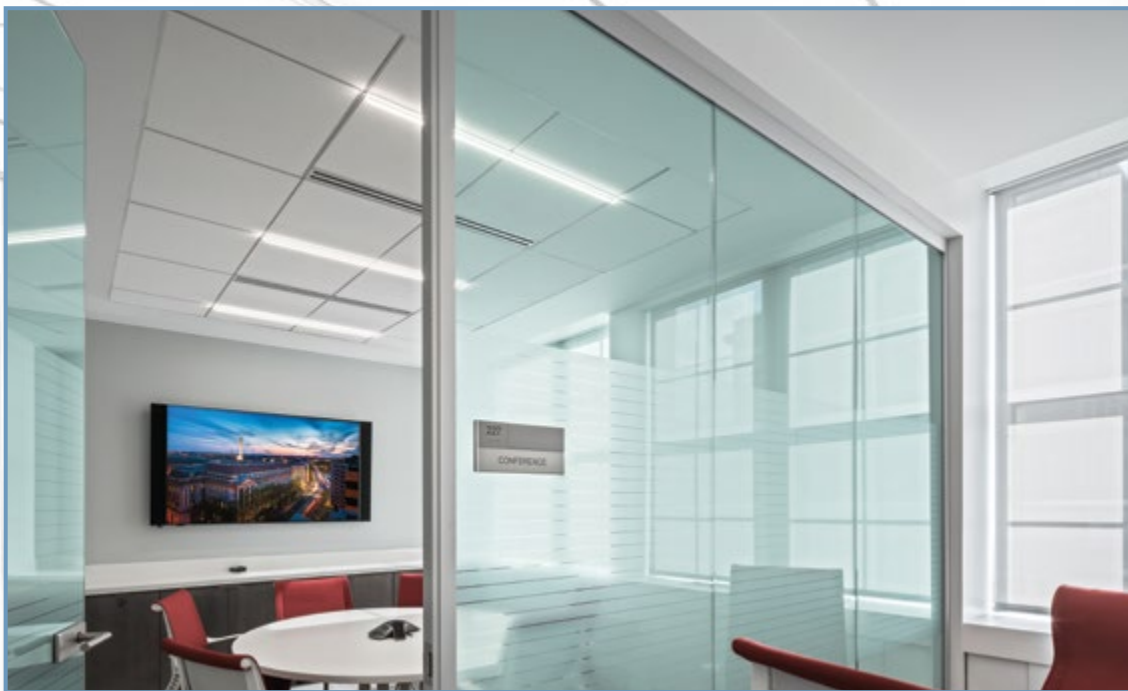
– Washington, D.C.

*Specifier:* **HOK / LOOP Lighting**

*Application:* **National Headquarters**

*Total square footage:* **30,000 sq ft**

*Average foot candle achieved:* **41 FC at desk**



*Quantity of products:*

**676 pcs - TBSL-MW-4-15-B-A-W**

**T-BAR LED 4' Block Diffusing Lens 9/16" (3,500K)**

**3 pcs - TBSL-MW-2-15-B-A-W**

**T-BAR LED 2' Block Diffusing Lens 9/16" (3,500K)**

Armstrong® Ceilings  
Optima® Panels 3257 9/16"

*“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**

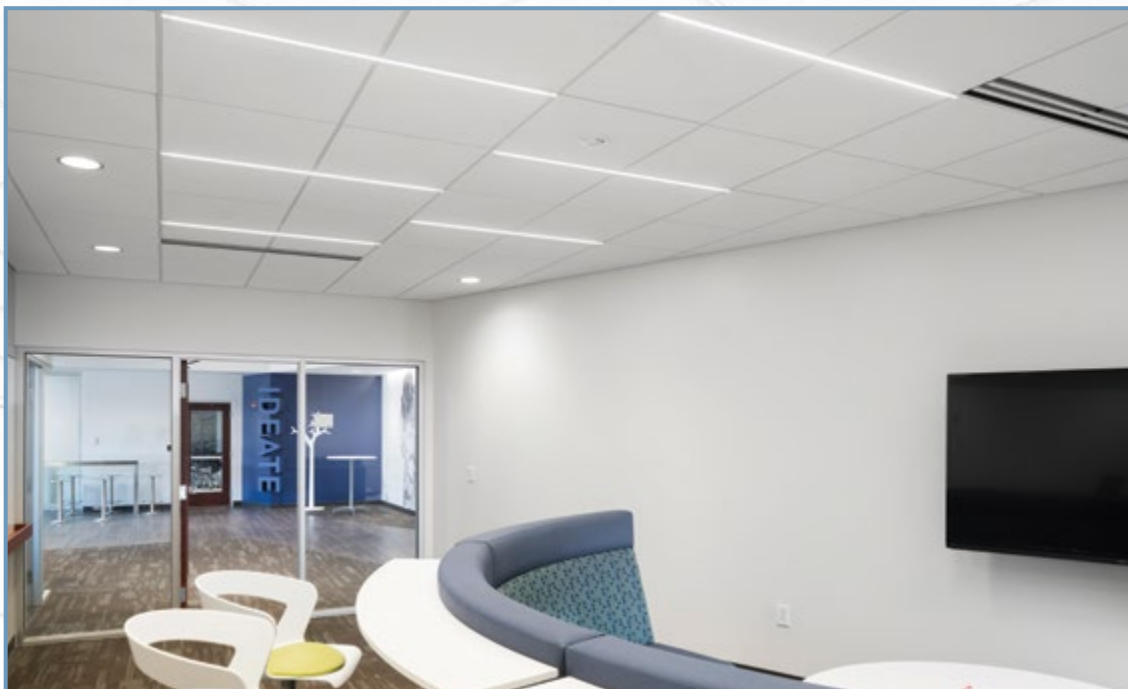
– Columbus, OH

*Specifier:* BHDP Architecture

*Application:* Conference rooms

*Total square footage:* 1,516 sq ft

*Average foot candle achieved:* 40 FC at desk



*Quantity of products:*

**31 pcs – TBSL-MW-4-15-D-A-W**

**T-BAR LED 4' Diffusing Lens 9/16" (3,500K)**

Armstrong® Ceilings  
DC FlexZone™ 9/16"





*“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”*



*Project:*

## **Salk Middle School**

- Spokane, WA

*Specifier: NAC Architecture*

*Application: POD areas and stairwells*

*Total square footage: 3,500 sq ft*

*Average foot candle achieved: 30 FC at desk*



*Quantity of products:*

**104 pcs – TBSL-MN-4-24-B-A-C**

**T-BAR LED 4' Block Clear Diffusing Lens 15/16" (4,000K)  
custom color - matte black**

Armstrong® Ceilings  
WoodWorks® Grille Tegular 15/16"





*“flexibility”*

*“The T-BAR LED gave us the right tools to strike the appropriate balance for a new and modernized school. The scale and flexibility were the primary design principles to ensure the school will remain relevant for evolving educational delivery for many decades.”*

– NAC Architecture



## **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:*

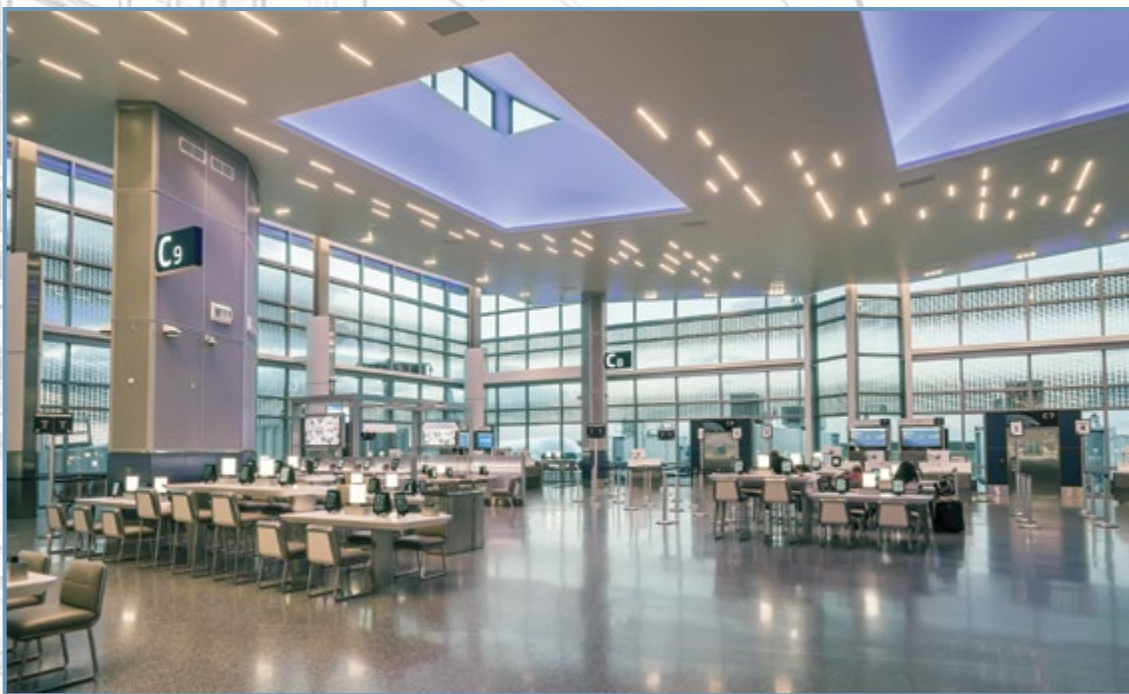
**George Bush Intercontinental Airport, United Terminal C**  
– Houston, TX

*Specifier:* HLB Lighting Design | Pierce Goodwin Alexander & Linville

*Application:* Airport terminal

*Total square footage:* 57,000 sq ft

*Average foot candle achieved:* 20 FC at desk



*Quantity of products:*

**447 pcs - TBSL-HW-2-24-C-U-W**

**T-BAR LED 2' Cut-Off Reflector Lens 15/16" (3,000K)**



*“We were looking for something with a little ‘glitter’ and agreed on lines of discrete LEDs creating an organic ‘meandering path’ of light through the concourse.”*

*– Clifton Manahan, Associate Lighting Designer at HLB Lighting Design*

*“lines of discrete LEDs”*



*Project:*

## **The American Beverage Association**

– Washington, D.C.

*Specifier:* **FOX Architects**

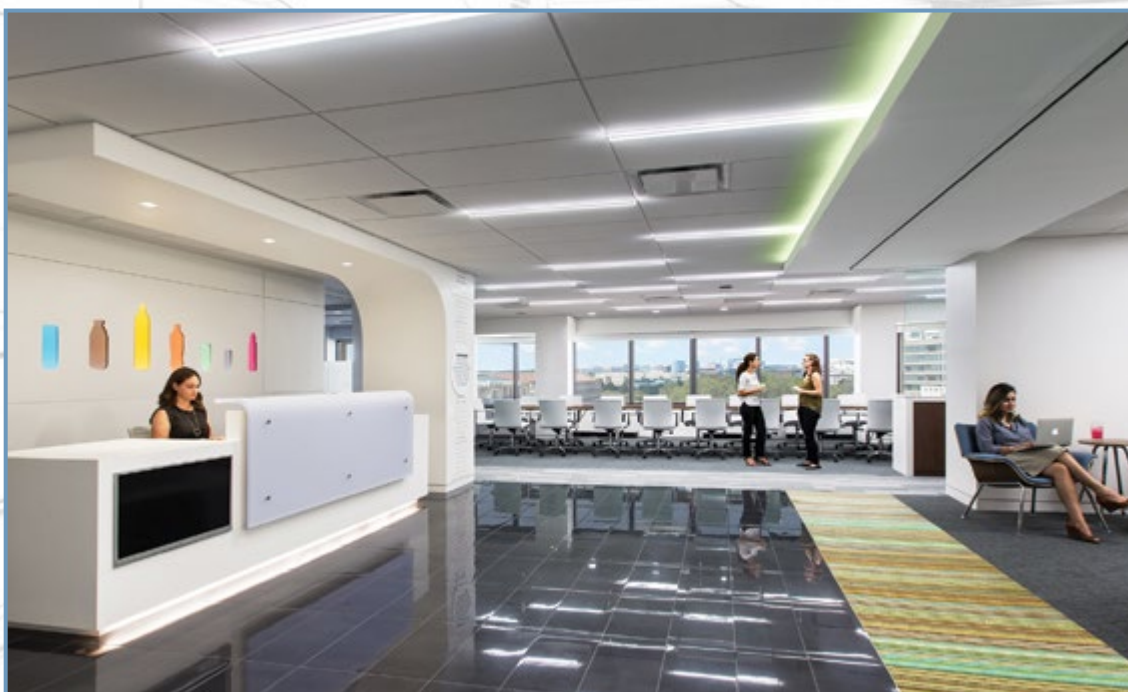
*Application:* **Lobby, conference rooms and café**

*Total square footage:* **3,000 sq ft**

*Average foot candle achieved:* **20 FC at desk in elevator lobby**

**30 FC at desk in reception area**

**40–50 FC at desk in conference rooms and café**



*Quantity of products:*

**52 pcs - TBSL-MW-4-24-B-U-W**

**T-BAR LED 4' Block Diffusing Lens 15/16" (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 footage: 1,035 sq ft

Average foot candle achieved: 17.7 FC at floor



Quantity of products:

48 pcs - TBSL-MW-2-24-D-A-W

T-BAR LED 2' Diffusing Lens 15/16" (3,500K)

Armstrong® Ceilings  
DC FlexZone™ 15/16"





*“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 footage:* 2,900 sq ft

*Average foot candle achieved:* 54.5 FC at desk



*Quantity of products:*

**72 pcs - TBSL-HN-2-24-D-U-W**

T-BAR LED 2' Diffusing Lens 15/16" (4,500K)

**30 pcs - TBSL-HN-4-24-D-U-W**

T-BAR LED 4' Diffusing Lens 15/16" (4,500K)

Armstrong® Ceilings  
Prelude® XL® 15/16"

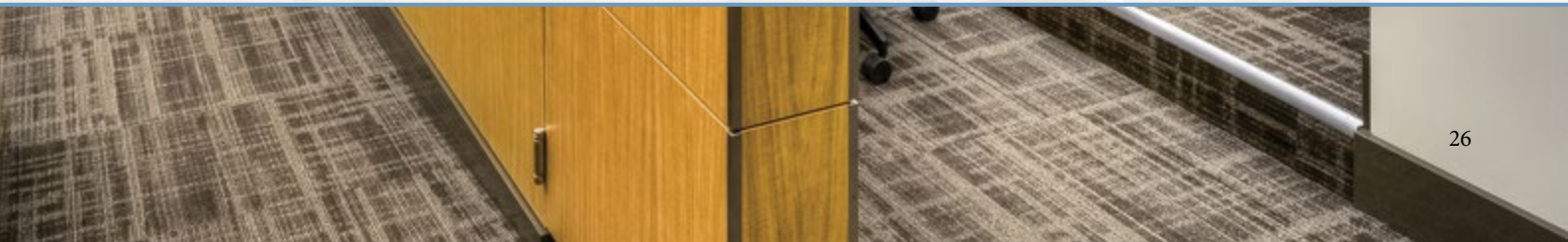


*“a very clean solution”*



*“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 footage: 2,800 sq ft*

*Average foot candle achieved: 40 FC at desk*



*Quantity of products:*

**47 pcs - TBSL-MW-2-24-D-U-W**

T-BAR LED 2' Diffusing Lens 15/16" (3,500K)

**3 pcs - TBSL-MN-2-24-S-U-W**

T-BAR LED 2' Signage Diffusing Lens 15/16" (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 footage: 2,600 sq ft*

*Average foot candle achieved: 31.5 FC at desk*



*Quantity of products:*

**43 pcs - TBSL-MW-2-15-D-U-W**

T-BAR LED 2' Diffusing Lens 9/16" (3,500K)

**46 pcs - TBSL-MW-4-15-D-U-W**

T-BAR LED 4' Diffusing Lens 9/16" (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 footage:* **980 sq ft**

*Average foot candle achieved:* **32.5 FC at floor**



*Quantity of products:*

**20 pcs - TBSL-HW-4-24-D-U-W**

T-BAR LED 4' Diffusing Lens 15/16" (3,000K)

**10 pcs - TBSL-HW-2-24-D-U-W**

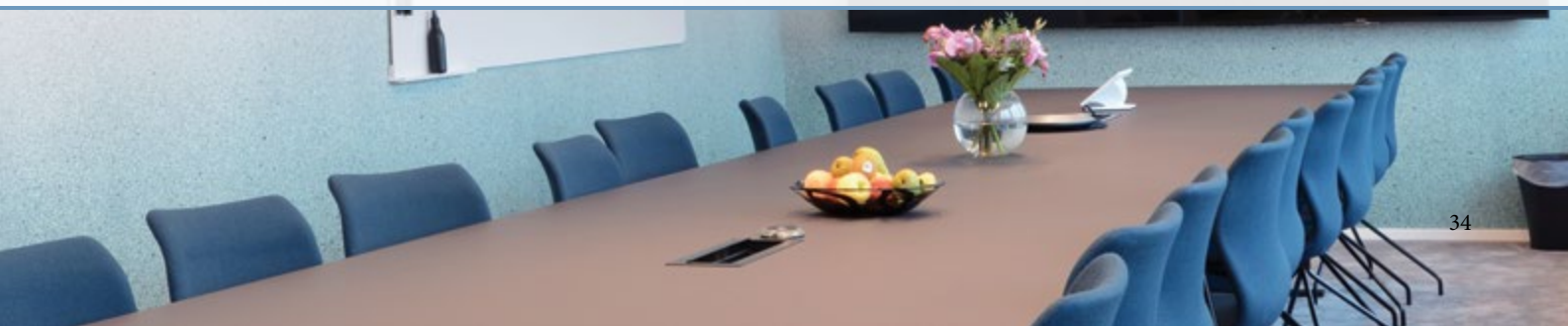
T-BAR LED 2' Diffusing Lens 15/16" (3,000K)





*“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

Specifier: LLB Architects, Inc.

Application: Lobby, multi-purpose room, corridors

Total square footage: 8,000 sq ft

Average foot candle achieved: 27.75 FC at floor in lobby

24 FC at floor in multi-purpose room

25 FC at floor in corridors



Armstrong® Ceilings MetalWorks™ Suprafine® XL® 9/16"

Armstrong® Ceilings Prelude® 15/16"

Quantity of products:

**50 pcs - TBSL-MW-4-24-B-U-W**

T-BAR LED 4' Block Diffusing Lens 15/16" (3,500K)

**8 pcs - TBSL-MW-2-24-D-U-W**

T-BAR LED 2' Diffusing Lens 15/16" (3,500K)

**21 pcs - TBSL-MW-4-24-D-U-W**

T-BAR LED 4' Diffusing Lens 15/16" (3,500K)

**15 pcs - TBSL-MW-2-24-A-U-W**


T-BAR LED 2' Asymmetric Lens 15/16" (3,500K)

**16 pcs - TBSL-MW-4-15-D-U-W**

T-BAR LED 4' Diffusing Lens 9/16" (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 footage:* **2,900 sq ft**

*Average foot candle achieved:* **54.5 FC at desk**



Armstrong® Ceilings  
Ultima® 15/16"

*Quantity of products:*

**16 pcs - TBSL-MW-4-24-D-U-W**

**T-BAR LED 4' Diffusing Lens 15/16" (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 footage: 1,830 sq ft*

*Average foot candle achieved: 20 FC at floor*



*Quantity of products:*

**8 pcs - TBSL-HW-2-24-D-U-W**

T-BAR LED 2' Diffusing Lens 15/16" (3,000K)

**44 pcs - TBSL-HW-4-24-D-U-W**

T-BAR LED 4' Diffusing Lens 15/16" (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”*





## **EVEN FOOT CANDLES**

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 foot candles required.

*Project:*

## **UNUM Therapeutics**

– Cambridge, MA

*Specifier: Perkins + Will*

*Application: Office space*

*Total square footage: 3,500 sq ft*

*Average foot candle achieved: 32 FC at desk*



Armstrong® Ceilings  
*Dune™ Beveled Tegular 15/16"*

*Quantity of products:*

**162 pcs - TBSL-MW-4-24-D-A-W**

T-BAR LED 4' Diffusing Lens 15/16" (3,500K)

**78 pcs - TBSL-MW-2-24-D-A-W**

T-BAR LED 2' Diffusing Lens 15/16" (3,500K)

**18 pcs - TBSL-MW-4-24-A-A-W**

T-BAR LED 4' Asymmetric Lens 15/16" (3,500K)

**30 pcs - TBSL-MW-4L-24-D-A-W**

T-BAR LED 4L Model Diffusing Lens 15/16" (3,500K)



*“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**

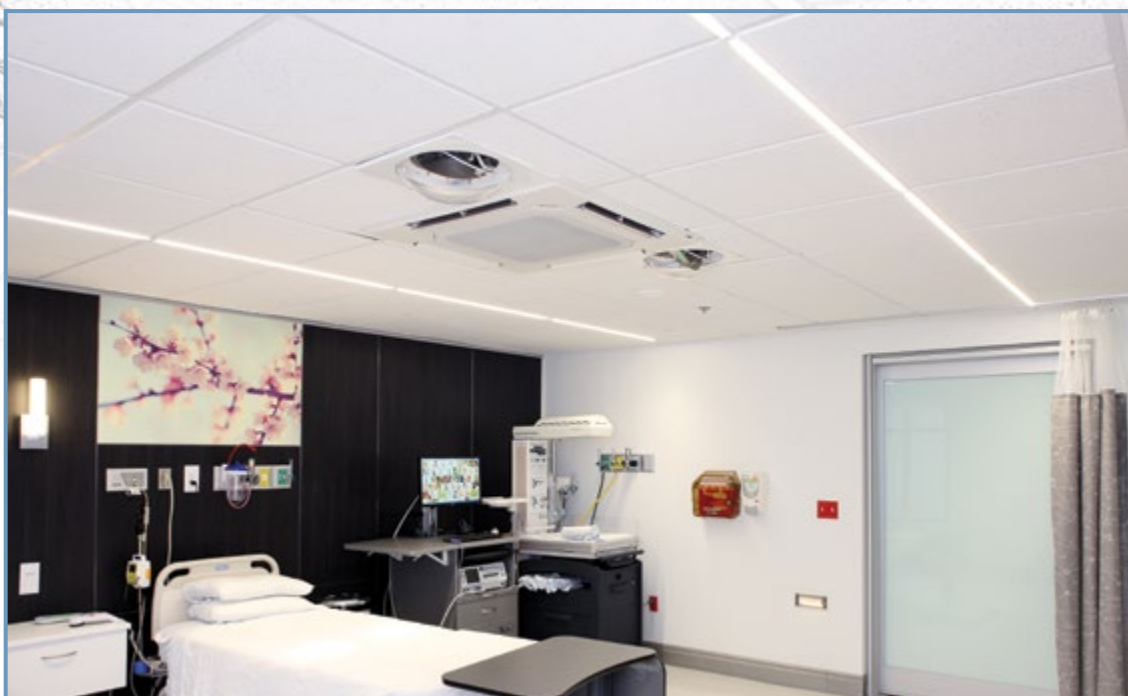
- Mobile, AL

Specifier: **AMA Lighting**

Application: **Birth suites**

Total square footage: **310 sq ft**

Average foot candle achieved: **38.77 FC at desk**



Armstrong® Ceilings  
Prelude® XL® 15/16"

Quantity of products:

**6 pcs - TBSL-MW-2-24-D-U-W**  
T-BAR LED 2' Diffusing Lens 15/16" (3,500K)

**6 pcs - TBSL-MW-4-24-D-U-W**  
T-BAR LED 4' Diffusing Lens 15/16" (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 footage:* 750 sq ft

*Average foot candle achieved:* 45 FC at desk



*Quantity of products:*

**22 pcs - TBSL-MW-4-24-D-A-C**

**T-BAR LED 4' Diffusing Lens 15/16" (3,500K)**

**custom color - matte black**

Armstrong® Ceilings  
WoodWorks® Grille Regular 15/16"

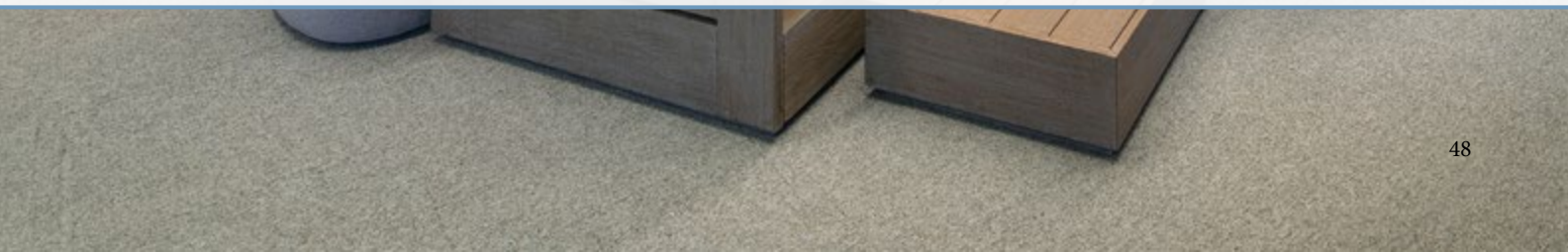


*“seamless integration”*



*“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 footage:* 2,303.48 sq ft

*Average foot candle achieved:* 82 FC at desk in showroom

42.56 FC at desk in offices

18.9 FC at desk in corridor



*Quantity of products:*

**97 pcs - TBSL-MW-4-24-D-U-W**

T-BAR LED 4' Diffusing Lens 15/16" (3,500K)

Armstrong® Ceilings  
Prelude® XL® 15/16"





*“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 footage:* **5,423 sq ft**

*Average foot candle achieved:* **40.76 FC at desk**



*Quantity of products:*

**30 pcs - TBSL-MW-4-24-D-U-W**

**T-BAR LED 4' Diffusing Lens 15/16" (3,500K)**

Armstrong® Ceilings  
Prelude® XL® 15/16"





*“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”*



*Project:*

**Robinson Middle School**

– Little Rock, AR

*Specifier:* WER Architects

*Application:* Cafeteria, library, hallways

*Total square footage:* 22,000 sq ft

*Average foot candle achieved:* 80 FC at desk



*Quantity of products:*

**201 pcs - TBSL-MN-2-24-D-U-W**

T-BAR LED 2' Diffusing Lens 15/16" (4,000K)

**145 pcs - TBSL-MN-4-24-D-U-W**

T-BAR LED 4' Diffusing Lens 15/16" (4,000K)

**144 pcs - TBSL-MN-4L-24-D-U-W**

T-BAR LED 4L Model Diffusing Lens 15/16" (4,000K)



*“create a dynamic look”*

*“I was looking for a cost effective solution to add visual interest to a large ceiling. The T-BAR LED fixtures paired with a simple ceiling pattern and pendant lights created a dynamic look to an otherwise typical lay-in acoustical ceiling. The district and the students love the impact these lights have on the space.”*

– Russell Fason, Designer at WER Architects





*“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



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

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