The only lighting products that are designed, approved and patented to replace the cross members in a suspended grid ceiling system.
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"Making the simple complicated is commonplace; making the complicated simple, awesomely simple, that's creativity."
– Charles Mingus
Are you still thinking of using a typical downlight?

LED technology has now saturated the lighting industry, creating an enormous change in available lighting products. The market is flooded with LED lighting fixtures that re-create the old 2’x2’ and 2’x4’ troffer and round down lights, resulting in LED designs that look just like the 60 year-old fluorescent lighting models!

Our revolutionary approach to creating lighting fixtures with LEDs was done with one simple concept in mind: Why add a light fixture when the LED technology allows us to integrate light into already existing structural elements?

With this thought in mind, the T-BAR LED™ was born: A minimalistic linear lighting fixture that actually takes the place of a 2’ or 4’ cross member of the ceiling suspension system, allowing the lighting to become a part of the ceiling assembly, reducing building materials, labor and waste, all while saving energy. A concept so clear and simple, that it is stunning!

Thanks to our engineering and patented technology, the junction point temperature of the LED is maintained below the maximum rating allowed by the LED manufacturer, insuring product longevity. The T-BAR LED™ is a step into the future, changing the way we illuminate our spaces, and improving the world in which we live, work and play.

JLC-Tech is designing simple and elegant lighting that saves you more than just energy!
Key Benefits of JLC-Tech Products

NO PLENUM OCCUPANCY
The minimalistic low profile lighting leaves the space above and around the ceiling completely unoccupied and facilitates the coordination of placing other ceiling utilities.

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.

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 JLC-Tech’s product lines in comparison to other lighting.*

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.

* See McMillan case study on our website.

The shape of the T-BAR LED™ is designed to quickly transfer all the heat generated by the LED away from its surrounding area.

Minimize building materials and waste, save energy and reduce installation costs with JLC-Tech’s lighting products.

A simple design for an unforgettable architectural statement.

The T-BAR LED product line is protected under the following patents:
Patent No. 8,177,385; 9,879,850; D834,238; 178048; D834,239; 178047; 10,145,536. Additional patents are pending.
JLC-Tech products become a part of the ceiling assembly.

JLC-Tech’s lighting products can be installed in many configurations simply by replacing the cross tees between the main runners of the grid ceiling assembly.

**Mounting Configurations**

Possible positions for T-BAR LED light modules
One-piece main runner (cannot be replaced by light modules)

**4L Model**

90° configurations are possible by using our 4L Model

This model is illuminated on only two feet of its length, while the other two feet are machined flat to replicate a standard flat cross tee. By selecting the 4L Model you will be able to create shapes and patterns that include a 90° lighted connection.

**Layout example for JLC-Tech products**

Configuration as shown in photo to left

90° configuration with the 4L™ Model

T-BAR LED can be installed in a rectangular, square or geometric trail of light, thanks to the T-BAR LED 4L Model. An easy solution for installing linear lighting at 90 degrees above conference tables, desks, in a waiting area or the contour of a room. Create geometric linear patterns of light for special general lighting or decorative projects. Available with all optic options and flat grid types.
Lighting Layout Examples

With the T-BAR LED, lighting can now be placed where the designer needs and wants illumination. No longer is it necessary to work with high lumen output from one 2x2’ or 2x4’ light source in a room. Like a beacon, these sources of light waste precious lumens in one area, while leaving others completely in the dark.

The T-BAR LED can be placed over desks or evenly installed down hallways. The lighting can be staggered in a room to obtain a harmonious illumination or in a continuous row to create a long linear layout. Whatever the purpose for the space, the designer can now match the designated area with the required foot candles.

Room dimensions:
13.46 x 12.21 feet
ceiling height – 9 feet

Quantity of product:
8 pcs - TBSL-MW-2-15-D-U-W
T-BAR LED 2’ Diffusing Lens 9/16” (3500K)

Average foot candle achieved at desk:
35.6 FC

Springhill Medical Center – Mobile, AL
AMA Lighting

Room dimensions:
16 x 20 feet
ceiling height – 9 feet

Quantity of product:
2 pcs - TBSL-MW-2-24-D-U-W
T-BAR LED 2’ Diffusing Lens 15/16” (3500K)
8 pcs - TBSL-MW-4-24-D-U-W
T-BAR LED 4’ Diffusing Lens 15/16” (3500K)

Average foot candle achieved at floor:
38.8 FC
Lighting Layout Examples

**Open office – 20 x 20 feet**

**Room dimensions:**
20 x 20 feet
ceiling height – 9 feet

**Quantity of product:**
6 pcs – TBSL-HN-4-24-D-X-W
T-BAR LED 4' Diffusing Lens 15/16" (4500K)

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

**Corridor – 60 x 10 feet**

**Room dimensions:**
60 x 10 feet
ceiling height – 9 feet

**Quantity of product:**
8 pcs – TBSL-HN-4-24-D-X-W
T-BAR LED 4' Diffusing Lens 15/16" (4500K)

**Average foot candle achieved at floor:**
25.0 FC
Two Easy Installations for Suspended Ceiling Systems

**UNIVERSALLY COMPATIBLE CLIP**
Specially designed brackets are mounted at each end of the fixture for easy installation into most manufacturers’ standard 15/16" or 9/16" ceiling suspension systems. T-BAR LED replaces selected cross tees of the grid ceiling suspension system where light is desired. (See Universal Clip installation instruction for more details.)

**COMPATIBLE CLIP**
Specifically designed by Armstrong Ceiling Solutions for JLC-Tech, the X-LED clip is mounted at each end for easy installation into Armstrong 15/16" or 9/16" ceiling suspension systems. This allows the fixture to become a part of the certified ceiling assembly, eliminating the need for support wires. T-BAR LED replaces selected cross tees of the grid ceiling suspension system where light is desired. (See Armstrong Ceiling Compatible Clip installation instruction for more details.)
The T-BAR LED with Tunable White maximizes the benefits of circadian lighting for enhanced health, comfort, and productivity. JLC-Tech’s architecturally integrated luminaires enhance the comfort in an environment with improved acoustics and even foot candles. Tunable White technology adds the ability to control the color of light of the T-BAR LED which makes for a truly human-centric focused lighting solution. Utilizing a tuning range from 2700K to 5000K allows for a wide choice of CCT, while closely following the black body curve for accurate light rendering. Offering control options of DMX or Bluetooth allows for precise control of both color and intensity with a wide range of compatible systems.

T-BAR LED Tunable White is available in the following products:

- Diffusing Lens
- Asymmetric
- Block Clear Diffusing Lens
- Block Frosted Diffusing Lens
- Directional Sign
- Also available in T-BAR UP™

**Type of LED/K Color**

- HW = Warm White 3000K
- MW = Medium White 3500K
- MN = Medium Neutral 4000K
- HN = Neutral White 4500K
- TU = Tunable White 2700-5000K
The T-BAR LED™ for partially concealed grid systems is a new extrusion design by JLC-Tech. This product was specially designed to be compatible with Armstrong® Ceilings’ Vector® partially concealed grid tiles and grid suspension systems. The elongated spine on the extrusion allows for the installation of the special tiles that partially conceal the grid from view.

This modified T-BAR LED is compatible with Optima®, Ultima®, Callia®, Lyra® Vector® tiles with 1/4” partially concealed reveal.

(Some mounting configuration limitations apply – refer to our website for more information.)

Patent No. 8,177,385; 9,879,850; D834,239; 178047. Additional patents are pending.
The T-BAR LED is the solution for designer's plenum challenges. All JLC-Tech products are IC rated for installation in suspended ceilings that require additional insulation materials either by code or design requirement.

**IC RATED**

*for additional insulation*

The T-BAR LED is the solution for designer's plenum challenges. All JLC-Tech products are IC rated for installation in suspended ceilings that require additional insulation materials either by code or design requirement.

**IP65 RATED**

*available for damp locations upon request*

JLC-Tech has created a special option for installation in damp locations with an IP65 rating. A special sealant is applied to the fixture to protect the electrical components from water and dust filtration, all while maintaining the unique and elegant aesthetic of the T-BAR LED. The IP65 option is only available upon request, yet it can be ordered in all standard optical models with the exception of the Cut-off Reflector and Multi-Reflector lenses.
T-BAR LED™
Diffusing Lens

T-BAR LED™
Asymmetric Lens

T-BAR LED™
Cut-Off Reflector

T-BAR LED™
Multi-Reflector

T-BAR LED™
Block Clear Diffusing Lens

T-BAR LED™
Block Frosted Diffusing Lens

T-BAR LED™
Directional Sign

T-BAR UP™

T-BAR TWO™

T-BAR RGBW™

JLC-Tech Products
JLC-Tech was founded in 2010 with one singular vision: to create unique and useful LED lighting fixtures. Our flagship product, the T-BAR LED™, is the manifestation of our mission and dedication. Offered in numerous optic options to suit any application, the T-BAR LED provides a simple solution for your next lighting project.
Diffusing Lens
15/16" and 9/16"

PRODUCT CONCEPT
T-BAR LED with diffusing lens for direct lighting is equipped with a 95%-clear micro prismatic lens for controlled distribution. A clever choice for illuminating spaces with a lighting fixture that blends with the architectural design of your ceiling, simultaneously creating an elegantly stunning light effect. Perfect for corporate offices, medical/health, educational facilities and more.

DESCRIPTION
Anodized and painted aluminum extruded body, steel mounting clips, white PC end caps, high transmitting acrylic lens with micro prisms for a low-glare effect.
# T-BAR LED Diffusing Lens | Order Specification Guide

**Product Name**

- **TBSL** = T-BAR LED

**Type of LED/K Color**

- HW = Warm White 3000K
- MW = Medium Warm 3500K
- MN = Medium Neutral 4000K
- HW = Neutral White 4500K
- TU = Tunable White 2700-5000K

**Size**

- 2 = 2 ft
- 4 = 4 ft
- 5 = 5 ft
- 4L = 4 ft L
- 2 = 2 ft
- 4 = 4 ft
- 5 = 5 ft
- 4L = 4 ft L

**Grid Type**

- 24 = 15/16"
- 15 = 9/16"
- 18 = 9/16" Bolt Slot
- 24C = 15/16" Partially Concealed Grid

**Optic**

- D = Diffusing Lens

**Mounting Clips**

- U = Universal
- A = Armstrong
- C = Custom

**Color**

- W = White
- C = Custom

## Profile Dimensions

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## Length Dimensions

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<td>47&quot;</td>
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<td>5 = 5 ft</td>
<td>24 = 15/16&quot;</td>
<td>60&quot;</td>
<td>59&quot;</td>
</tr>
<tr>
<td>4L = 4 ft L</td>
<td>24 = 15/16&quot;</td>
<td>48&quot;</td>
<td>24&quot;</td>
</tr>
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<td>2 = 2 ft L</td>
<td>15 = 9/16&quot;</td>
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<td>23.4&quot;</td>
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<td>4 = 4 ft L</td>
<td>15 = 9/16&quot;</td>
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<td>47.4&quot;</td>
</tr>
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<td>5 = 5 ft L</td>
<td>15 = 9/16&quot;</td>
<td>60&quot;</td>
<td>59.4&quot;</td>
</tr>
<tr>
<td>4L = 4 ft L</td>
<td>15 = 9/16&quot;</td>
<td>48&quot;</td>
<td>24&quot;</td>
</tr>
</tbody>
</table>

## Specifications

- **CRi** = >82
- **Lm >** 60K hrs
- **IP40**

**Light Output:**

- **15/16"**: ~584 lm per foot 753mW
- **9/16"**: ~445 lm per foot 54 lm/W

**Notes:**

- T-BAR LED modules can be parallel connected up to 12 linear feet max per power supply. Remote power supply includes JB compartment for AC input direct wiring with metal conduit. Max distance from power supply to fixtures is 30 feet with 18 AWG wire. Longer distance achievable if using higher gauge wire.

**Applications:**

- Executive, Medical, Health, Educational, Retail, Hotels, Airport, Hospitality and any open space areas that require a unique and elegant architectural lighting design.

**Mounting:**

- Universal mounting brackets are for easy installation to standard 15/16” or 9/16” T-Bars of most manufacturers’ ceiling suspension systems. Armstrong compatible mounting clips for installation with Armstrong Ceiling 15/16" Prelude® and Clean Room™, 9/16" Suprafine®, Silhouette®, Sonata®, Interlude® and DC FlexZone™ suspension systems.

**Materials:**

- Anodized and painted aluminum extruded body, steel mounting clips, white PC end caps, high transmitting acrylic PMMA lens.

**Electric:**

- High output LEDs consume 16W total (2 foot) or 32W total (4 foot) or 40W total (5 foot). Power supply consumption not included. Input voltage 24VDC. Class 2 plenum rated cables at each end equipped with quick connectors to allow multiple modules to be easily connected together (max 12 linear feet of product). Use solid copper wire or wire ferrules to fit into quick connectors.

**Warranty:**

- 5 years

**Listings:**

- ETL/cETLus CE RoHS. Indoor use only.

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**Rhode Island College, Gaige Hall – Providence, RI**

LLB Architects / Abernathy Lighting Design

**Made in USA**

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**Patent No. 8,177,385; 9,879,850; D834,239; 178047. Additional patents are pending.**
Cut-Off Reflector
15/16”

PRODUCT CONCEPT
T-BAR LED with full cut-off reflector over each LED combines the best high power LED technology with a sleek architectural design offering zero reflectance glare from the ceiling. A great choice for applications where a concentrated angle of light is desired on task areas or table top surfaces.

DESCRIPTION
Anodized and painted aluminum extruded body, steel mounting clips, white PC end caps, high reflectance 98% aluminum-coated or white or black PC reflectors on each LED for an intense direct and dark-light effect.
T-BAR LED Cut-Off Reflector | Order Specification Guide

Profile Dimensions

Length Dimensions

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Type of LED/K Color</th>
<th>Size</th>
<th>Grid Type</th>
<th>Optic</th>
<th>Mounting Clips</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBSL = T-BAR LED</td>
<td>HW = Warm White 3000K</td>
<td>2 = 2 ft</td>
<td>24 = 15/16&quot;</td>
<td>C = Cut-Off Reflector</td>
<td>U = Universal</td>
<td>W = White</td>
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<tr>
<td></td>
<td>MW = Medium Warm 3500K</td>
<td>4 = 4 ft</td>
<td>24 = 15/16&quot; Partially Concealed Grid</td>
<td>CWH = White Cut-Off Reflector</td>
<td>A = Armstrong</td>
<td>C = Custom</td>
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<tr>
<td></td>
<td>MN = Medium Neutral 4000K</td>
<td>5 = 5 ft</td>
<td>4L = 4 ft L</td>
<td>CBL = Black Cut-Off Reflector</td>
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<tr>
<td></td>
<td>HN = Neutral White 4500K</td>
<td>6L = 60 cm</td>
<td>12 = 120 cm</td>
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<td>12L = 120 cm L</td>
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</table>

NOTES:
T-BAR LED modules can be parallel connected up to 12 linear feet max per power supply. Remote power supply includes JB compartment for AC input direct wiring with metal conduit. Max distance from power supply to fixtures is 30 feet with 18 AWG wire. Longer distance achievable if using higher gauge wire.

APPLICATIONS:
Executive, Medical, Health, Educational, Retail, Hotels, Airport, Hospitality and any open space areas that require a unique and elegant architectural lighting design.

MOUNTING:
Universal mounting brackets are for easy installation to standard 15/16" T-Bars of most manufacturers’ ceiling suspension systems. Armstrong compatible mounting clips for installation with Armstrong Ceiling 15/16” Prelude® and Clean Room™ suspension systems.

MATERIALS:
Anodized and painted aluminum extruded body, steel mounting clips, white PC end caps, high reflectance 98% aluminum coated or white or black PC reflectors on each LED for a dark light effect.

ELECTRIC:
High output LEDs consume 16W total (2 foot) or 32W total (4 foot) or 40W total (5 foot). Power supply consumption not included. Input voltage 24VDC. Class 2 plenum rated cables at each end equipped with quick connectors to allow multiple modules to be easily connected together (max 12 linear feet of product). Use solid copper wire or wire ferrules to fit into quick connectors.

WARRANTY:
5 years

LISTINGS:
ETL/cETLus CE RoHS. Indoor use only.
Multi-Reflector
15/16” and 9/16”

PRODUCT CONCEPT
T-BAR LED with full cut-off reflector over each LED and tighter LED spacing for luminance sensitive applications. Ideal for areas with strict glare requirements, while still offering the benefits of a concentrated angle of light on desired task areas.

DESCRIPTION
Anodized and painted aluminum extruded body, steel mounting clips, white PC end caps, high reflectance 98% aluminum-coated or white or black PC reflectors on each LED for an intense direct and dark-light effect.
## T3AR LED Multi-Reflector | Order Specification Guide

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<tr>
<th>Product Name</th>
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<th>Grid Type</th>
<th>Optic</th>
<th>Mounting Clips</th>
<th>Color</th>
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<th>Size</th>
<th>Grid Type</th>
<th>X</th>
<th>Y</th>
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<td>5 ft</td>
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<td>4 ft L</td>
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<tr>
<td>2 ft</td>
<td>15 = 9/16”</td>
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<td>24”</td>
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<td>4 ft</td>
<td>15 = 9/16”</td>
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<td>5 ft</td>
<td>15 = 9/16”</td>
<td>60”</td>
<td>59”</td>
</tr>
<tr>
<td>4 ft L</td>
<td>15 = 9/16”</td>
<td>48”</td>
<td>24”</td>
</tr>
</tbody>
</table>

**CR1 > 82**  
**Lm > 60K hrs**  
**IP20**

**LIGHT OUTPUT:** (C2 Optic) metalized finish  
15/16” • 784 lm per foot  
100 lm/W

**9/16”** • 705 lm per foot  
88 lm/W

**NOTES:**
- T-BAR LED modules can be parallel connected up to 12 linear feet max per power supply. Remote power supply includes JB compartment for AC input direct wiring with metal conduit. Max distance from power supply to fixtures is 30 feet with 18 AWG wire. Longer distance achievable if using higher gauge wire.
- **APPLICATIONS:** Executive, Medical, Health, Educational, Retail, Hotels, Airport, Hospitality and any open space areas that require a unique and elegant architectural lighting design.
- **MOUNTING:** Universal mounting brackets are for easy installation to standard 15/16" or 9/16" T-Bars of most manufacturers’ ceiling suspension systems. Armstrong compatible mounting clips for installation with Armstrong Ceiling 15/16" Prelude®, Clean Room®, Silhouette®, Sonata®, Interlude® and DC FlexZone™ suspension systems.

**MATERIALS:** Anodized and painted aluminum extruded body, steel mounting clips, white PC end caps, high reflectance 98% aluminum coated or white or black PC reflectors on each LED for a dark light effect.

**ELECTRIC:**
- High output LEDs consume 16W total (2 foot) or 32W total (4 foot) or 40W total (5 foot). Power supply consumption not included. Input voltage 24VDC. Class 2 plenum rated cables at each end equipped with quick connectors to allow multiple modules to be easily connected together (max 12 linear feet of product). Use solid copper wire or wire ferrules to fit into quick connectors.

**WARRANTY:** 5 years

**LISTINGS:** ETL, CE, UL, IES, RoHS. Indoor use only.

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**Profile Dimensions**

**Length Dimensions**

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George Bush Intercontinental Airport,  
Limited Terminal C North Concourse – Houston, TX  
HLB Lighting Design / Pierce Goodwin Alexander & Linville
T-BAR LED with asymmetric lens is designed with a shielded profile on one side and a micro-ribbed asymmetrical lens that allows for full wall illumination, ceiling to floor. This is a perfect minimalistic solution for achieving the desired wall washing effects without seeing the light source from the opposite side.

PRODUCT CONCEPT
T-BAR LED with asymmetric lens is designed with a shielded profile on one side and a micro-ribbed asymmetrical lens that allows for full wall illumination, ceiling to floor. This is a perfect minimalistic solution for achieving the desired wall washing effects without seeing the light source from the opposite side.

DESCRIPTION
Anodized and painted aluminum extruded body, steel mounting clips, white PC end caps, high transmitting acrylic lens with asymmetric micro-ribbed lines for wall wash illumination.

Asymmetric
15/16” and 9/16”
<table>
<thead>
<tr>
<th>T-BAR LED Asymmetric</th>
<th>Order Specification Guide</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Name</strong></td>
<td><strong>Type of LED/K Color</strong></td>
</tr>
<tr>
<td>TBSL = T-BAR LED</td>
<td>HW = Warm White 3000K</td>
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<tr>
<td></td>
<td>MW = Medium Warm 3500K</td>
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<td>HN = Neutral White 4500K</td>
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<td>TU = Tunable White 2700-5000K</td>
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<td>15 = 9/16&quot;</td>
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<td>A2 = Asymmetric</td>
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<td>TU = Tunable White 2700-5000K</td>
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<tr>
<td><strong>Notes:</strong></td>
<td>T-BAR LED modules can be parallel connected up to 12 linear feet max per power supply. Remote power supply includes JB compartment for AC input direct wiring with metal conduit. Max distance from power supply to fixtures is 30 feet with 18 AWG wire. Longer distance achievable if using higher gauge wire.</td>
</tr>
<tr>
<td><strong>Applications:</strong></td>
<td>Wall washing for Executive, Medical, Health, Educational, Retail, Hotels, Airport, Hospitality and any open space areas that require a unique and elegant architectural lighting design.</td>
</tr>
<tr>
<td><strong>Mounting:</strong></td>
<td>Universal mounting brackets are for easy installation to standard 15/16&quot; or 9/16&quot; T-Bars of most manufacturers’ ceiling suspension systems. Armstrong compatible mounting clips for installation with Armstrong Ceiling 15/16&quot; Prelude® and Clean Room™, 9/16&quot; Suprafine®, Silhouette®, Sonata®, Interlude® and DC FlexZone® suspension systems.</td>
</tr>
<tr>
<td><strong>Materials:</strong></td>
<td>Anodized and painted aluminum extruded body, steel mounting clips, white PC end caps, high transmitting acrylic PMMA lens.</td>
</tr>
<tr>
<td><strong>Electric:</strong></td>
<td>High output LEDs consume 16W total (2 foot) or 32W total (4 foot) or 40W total (5 foot). Power supply consumption not included. Input voltage 24VDC. Class 2 plenum rated cables at each end equipped with quick connectors to allow multiple modules to be easily connected together (max 12 linear feet of product). Use solid copper wire or wire ferrules to fit into quick connectors.</td>
</tr>
<tr>
<td><strong>Warranty:</strong></td>
<td>5 years</td>
</tr>
<tr>
<td><strong>Listings:</strong></td>
<td>ETL/cETL; Tusc CE RoHS. Indoor use only.</td>
</tr>
</tbody>
</table>
Block Clear Diffusing Lens
15/16" and 9/16"

PRODUCT CONCEPT
T-BAR LED with acrylic block diffuser has an added unique combination of direct and indirect illumination. Designed with satin edges and clear sides, this model creates a particular architectural statement while distributing the lumens over the entire space. Create an array of linear geometrical light patterns or use this as an accent light for special decorative projects.

DESCRIPTION
Anodized and painted aluminum extruded body, steel mounting clips, white PC end caps, acrylic block diffusing lens, satin edges and clear sides, to allow the light to diffuse for a direct and indirect lighting combination.
### Product Name: T-BAR LED Block Clear Diffusing Lens | Order Specification Guide

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Type of LED/K Color</th>
<th>Size</th>
<th>Grid Type</th>
<th>Optic</th>
<th>Mounting Clips</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBSL = T-BAR LED</td>
<td>HW = Warm White 3000K</td>
<td>2 ft</td>
<td>15/16&quot;</td>
<td>B = Block Clear Diffusing Lens</td>
<td>U = Universal</td>
<td>White</td>
</tr>
<tr>
<td></td>
<td>MW = Medium Warm 3500K</td>
<td>4 ft</td>
<td>9/16&quot;</td>
<td></td>
<td>A = Armstrong</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MN = Medium Neutral 4000K</td>
<td>5 ft</td>
<td>9/16&quot; Bolt Slot</td>
<td></td>
<td>C = Custom</td>
<td></td>
</tr>
<tr>
<td></td>
<td>HH = Neutral White 4500K</td>
<td>6 ft</td>
<td>15/16&quot; Partially Concealed Grid</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TU = Tunable White 5000K</td>
<td>12 ft</td>
<td>9/16&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>24 ft</td>
<td>15/16&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Profile Dimensions**

- **Length Dimensions**
  - X: 15/16" (24mm)
  - Y: 1.56" (39.7mm)

- **Width Dimensions**
  - X: 9/16" (15mm)
  - Y: 2.4" (61mm)

- **Height Dimensions**
  - X: 3/4" (19mm)
  - Y: 0.95" (24mm)

- **Angle Dimensions**
  - X: 15/16" (24mm)
  - Y: 1.56" (39.7mm)

**Length Dimensions**

<table>
<thead>
<tr>
<th>Size</th>
<th>Grid Type</th>
<th>X</th>
<th>Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 ft</td>
<td>24 = 15/16&quot;</td>
<td>24&quot;</td>
<td>23&quot;</td>
</tr>
<tr>
<td>4 ft</td>
<td>24 = 15/16&quot;</td>
<td>48&quot;</td>
<td>47&quot;</td>
</tr>
<tr>
<td>5 ft</td>
<td>24 = 15/16&quot;</td>
<td>60&quot;</td>
<td>59&quot;</td>
</tr>
<tr>
<td>4L = 4 ft L</td>
<td>24 = 15/16&quot;</td>
<td>48&quot;</td>
<td>47.4&quot;</td>
</tr>
<tr>
<td>2 ft</td>
<td>15 = 9/16&quot;</td>
<td>48&quot;</td>
<td>47.4&quot;</td>
</tr>
<tr>
<td>4 ft</td>
<td>15 = 9/16&quot;</td>
<td>60&quot;</td>
<td>59.4&quot;</td>
</tr>
<tr>
<td>5 ft</td>
<td>15 = 9/16&quot;</td>
<td>60&quot;</td>
<td>59.4&quot;</td>
</tr>
<tr>
<td>4L = 4 ft L</td>
<td>15 = 9/16&quot;</td>
<td>48&quot;</td>
<td>24&quot;</td>
</tr>
</tbody>
</table>

**Notes:**

- T-BAR LED modules can be parallel connected up to 12 linear feet max per power supply. Remote power supply includes JB compartment for AC input direct wiring with metal conduit. Max distance from power supply to fixtures is 30 feet with 18 AWG wire. Longer distance achievable if using higher gauge wire. Color filters and/or special acrylic sizes available on request, consult factory.

**Applications:**

Executive, Medical, Health, Educational, Retail, Hotels, Airport, Hospitality, any open space areas that require a unique and elegant architectural lighting design.

**Mounting:**

Universal mounting brackets are for easy installation to standard 15/16" or 9/16" T-Bars of most manufacturers’ ceiling suspension systems. Armstrong compatible mounting clips for installation with Armstrong Ceiling 15/16” Prelude® and Clean Room™, Silhouette®, Sonata®, Interlude® and DC FlexZone® suspension systems.

**Materials:**

Anodized and painted aluminum extruded body, steel mounting clips, white PC end caps, high transmitting acrylic PMMA lens.

**Electrical:**

- High output LEDs consume 16W total (2 foot) or 32W total (4 foot) or 40W total (5 foot). Power supply consumption not included. Input voltage 24VDC.
- Class 2 plenum rated cables at each end equipped with quick connectors to allow multiple modules to be easily connected together (max 12 linear feet of product). Use solid copper wire or wire ferrules to fit into quick connectors.

**Warranty:**

5 years

**Listings:**

ETL/cETLus CE RoHS. Indoor use only.

**American Beverage Association – Washington, D.C. FOX Architects**

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**Made in USA**

---

**Profile Dimensions**

- Width Dimensions: 15/16" (24mm)
- Height Dimensions: 1.56" (39.7mm)

**Length Dimensions**

- X: 15/16" (24mm)
- Y: 1.56" (39.7mm)

**Notes:**

- T-BAR LED modules can be parallel connected up to 12 linear feet max per power supply. Remote power supply includes JB compartment for AC input direct wiring with metal conduit. Max distance from power supply to fixtures is 30 feet with 18 AWG wire. Longer distance achievable if using higher gauge wire. Color filters and/or special acrylic sizes available on request, consult factory.

**Applications:**

Executive, Medical, Health, Educational, Retail, Hotels, Airport, Hospitality, any open space areas that require a unique and elegant architectural lighting design.

**Mounting:**

Universal mounting brackets are for easy installation to standard 15/16" or 9/16" T-Bars of most manufacturers’ ceiling suspension systems. Armstrong compatible mounting clips for installation with Armstrong Ceiling 15/16” Prelude® and Clean Room™, Silhouette®, Sonata®, Interlude® and DC FlexZone® suspension systems.

**Materials:**

Anodized and painted aluminum extruded body, steel mounting clips, white PC end caps, high transmitting acrylic PMMA lens.

**Electrical:**

- High output LEDs consume 16W total (2 foot) or 32W total (4 foot) or 40W total (5 foot). Power supply consumption not included. Input voltage 24VDC.
- Class 2 plenum rated cables at each end equipped with quick connectors to allow multiple modules to be easily connected together (max 12 linear feet of product). Use solid copper wire or wire ferrules to fit into quick connectors.

**Warranty:**

5 years

**Listings:**

ETL/cETLus CE RoHS. Indoor use only.
**Block Frosted Diffusing Lens**

15/16” and 9/16”

**PRODUCT CONCEPT**
T-BAR LED with white frosted block lens is designed with all white frosted edges and sides. This model creates an elegant even glow of light with a 180 degree light distribution.

**DESCRIPTION**
Anodized and painted aluminum extruded body, steel mounting clips, white PC end caps, acrylic block diffusing lens, white frosted edges and sides, to allow the light to diffuse in all directions.

**COLORED FILTER**
for monochromatic affect
Special acrylic sizes and color filters available on request, consult factory.
**T-BAR LED Block Frosted Diffusing Lens | Order Specification Guide**

**Product Name**
- TBGL = T-BAR LED

**Type of LED/K Color**
- HW = Warm White 3000K
- MW = Medium Warm 3500K
- MN = Medium Neutral 4000K
- TU = Tunable White 2700–5000K

**Color**
- B2 = Block Frosted Diffusing Lens

**Grid Type**
- 2 = 2 ft
- 4 = 4 ft
- 5 = 5 ft
- 4L = 4 ft L
- 2 = 2 ft
- 4 = 4 ft
- 5 = 5 ft
- 4L = 4 ft L

**Optic Mounting Clips**
- U = Universal
- A = Armstrong
- C = Custom

**Color**
- W = White
- C = Custom

**Profile Dimensions**
- 24 = 15/16”
- 15B = 9/16”

**Length Dimensions**
- 24 = 15/16”
- 15B = 9/16”

**NOTES:**
- T-BAR LED modules can be parallel connected up to 12 linear feet max per power supply. Remote power supply includes JB compartment for AC input direct wiring with metal conduit. Max distance from power supply to fixtures is 30 feet with 18 AWG wire. Longer distance achievable if using higher gauge wire. Color filters and/or special acrylic sizes available on request, consult factory.

**APPLICATIONS:**
- Executive, Medical, Health, Educational, Retail, Hotels, Airport, Hospitality and any open space areas that require a unique and elegant architectural lighting design.

**MOUNTING:**
- Universal mounting brackets are for easy installation to standard 15/16” or 9/16” T-Bars of most manufacturers’ ceiling suspension systems. Armstrong compatible mounting clips for installation with Armstrong Ceiling 15/16” Prelude®, Clean Room™, Silhouette®, Sonata®, Interlude® and DC FlexZone™ suspension systems.

**MATERIALS:**
- Anodized and painted aluminum extruded body, steel mounting clips, white PC end caps, high transmitting acrylic PMMA lens.

**ELECTRIC:**
- High output LEDs consume 16W total (2 foot) or 32W total (4 foot) or 40W total (5 foot). Power supply consumption not included. Input voltage: 24VDC. Class 2 plenum rated cables at each end equipped with quick connectors to allow multiple modules to be easily connected together (max 12 linear feet of product). Use solid copper wire or wire ferrules to fit into quick connectors.

**WARRANTY:**
- 5 years

**LISTINGS:**
- ETL/cETLus CE RoHS. Indoor use only.

Franklin Discovery Academy – Vineyard, UT
Envision Engineering

50
**T-BAR LED with Directional Sign**

15/16" and 9/16"

**PRODUCT CONCEPT**
The T-BAR LED Directional Sign is made of PMMA acrylic with diffusing edges to allow for the double function of lighting device and signage. This is a great solution for customized signage that also maintains a modern uniform lighting design throughout the architectural space.

**DESCRIPTION**
Anodized and painted aluminum extruded body, steel mounting clips, white PC end caps, acrylic block, satin edges and clear sides, to allow the light to diffuse. Laser etched letters or logos as per customer request. Custom sizes and colors available upon request.
### T-BAR LED Directional Sign | Order Specification Guide

<table>
<thead>
<tr>
<th>Grid Type</th>
<th>Optic</th>
<th>Mounting Clips</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 = 2 ft</td>
<td>S = Acrylic Signage</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 = 4 ft</td>
<td>U = Universal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 = 5 ft</td>
<td>A = Armstrong</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4L = 4 ft L</td>
<td>C = Custom</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6 = 60 cm</td>
<td>W = White</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12 = 120 cm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12L = 120 cm L</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Size Grid Type Optic Mounting Clips Color

#### Profile Dimensions

- **2 = 2 ft**: 24 = 15/16" 24" 23" 15B = 9/16" 150 cm 149.6 cm 120 cm 120 cm L
- **4 = 4 ft**: 24 = 15/16" 48" 47" 15 = 9/16" 60 cm 59.4 cm 48 cm 48 cm
- **5 = 5 ft**: 24 = 15/16" 60" 59" 15 = 9/16" 60 cm 59.4 cm 48 cm 48 cm
- **4L = 4 ft L**: 24 = 15/16" 48" 47" 15 = 9/16" 60 cm 59.4 cm 48 cm 48 cm
- **2 = 2 ft**: 15 = 9/16" 24" 23.4" 15 = 9/16" 60 cm 59.4 cm 48 cm 48 cm
- **4 = 4 ft**: 15 = 9/16" 48" 47" 15 = 9/16" 60 cm 59.4 cm 48 cm 48 cm

### Length Dimensions

<table>
<thead>
<tr>
<th>Size</th>
<th>Grid Type</th>
<th>X</th>
<th>Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 = 2 ft</td>
<td>24 = 15/16&quot;</td>
<td>24&quot;</td>
<td>23&quot;</td>
</tr>
<tr>
<td>4 = 4 ft</td>
<td>24 = 15/16&quot;</td>
<td>48&quot;</td>
<td>47&quot;</td>
</tr>
<tr>
<td>5 = 5 ft</td>
<td>24 = 15/16&quot;</td>
<td>60&quot;</td>
<td>59&quot;</td>
</tr>
<tr>
<td>4L = 4 ft L</td>
<td>24 = 15/16&quot;</td>
<td>48&quot;</td>
<td>47&quot;</td>
</tr>
<tr>
<td>2 = 2 ft</td>
<td>15 = 9/16&quot;</td>
<td>24&quot;</td>
<td>23.4&quot;</td>
</tr>
<tr>
<td>4 = 4 ft</td>
<td>15 = 9/16&quot;</td>
<td>48&quot;</td>
<td>47&quot;</td>
</tr>
<tr>
<td>5 = 5 ft</td>
<td>15 = 9/16&quot;</td>
<td>60&quot;</td>
<td>59.4&quot;</td>
</tr>
<tr>
<td>4L = 4 ft L</td>
<td>15 = 9/16&quot;</td>
<td>48&quot;</td>
<td>48&quot;</td>
</tr>
</tbody>
</table>

**NOTES:**
- T-BAR LED modules can be parallel connected up to 12 linear feet max per power supply. Remote power supply includes JB compartment for AC input direct wiring with metal conduit. Max distance from power supply to fixtures is 30 feet with 18 AWG wire. Longer distance achievable if using higher gauge wire. Color filters and/or special acrylic sizes available on request, consult factory.

**APPLICATIONS:**
- Executive, Medical, Health, Educational, Retail, Hotels, Airport, Hospitality and any open space areas that require a unique and elegant architectural lighting design.

**MOUNTING:**
- Universal mounting brackets are for easy installation to standard 15/16" or 9/16" T-Bars of most manufacturers’ ceiling suspension systems. Armstrong compatible mounting clips for installation with Armstrong Ceiling 15/16" Prelude® and Clean Room™, 9/16" SupraFine®, Silhouette®, Sonata®, Interlude® and DC FlexZone™ suspension systems.

**MATERIALS:**
- Anodized and painted aluminum extruded body, steel mounting clips, white PC end caps, high transmitting etched acrylic PMMA lens.

**ELECTRIC:**
- High output LEDs consume 16W total (2 foot) or 32W total (4 foot) or 40W total (5 foot). Power supply consumption not included. Input voltage 24VDC. Class 2 plenum rated cables at each end equipped with quick connectors to allow multiple modules to be easily connected together (max 12 linear feet of product). Use solid copper wire or wire ferrules to fit into quick connectors.

**WARRANTY:**
- 5 years

**LISTINGS:**
- ETL/cETLus CE RoHS. Indoor use only.
The first indirect lighting product of its kind, the T-BAR UP is ideal for open-office plans and other spaces where a sleek modern design is desired. Offering fully indirect light while only extending 2” out from the ceiling plane, the low profile of the T-BAR UP enhances the interior architecture while also conserving ceiling plenum space. Utilizing JLC-Tech’s patented technology, it can be installed simply by replacing the cross tees in a suspended grid ceiling. Its unique design reduces direct lighting glare providing a great solution to help meet the luminance requirement for LEED V4 and WELL Standard.
The T-BAR UP provides ambient uplight while only extending 2″ below the ceiling plane. With built-in shielding for maximum light reflectance into the room, T-BAR UP can be installed into any suspended grid ceiling enhancing the architecture while also providing a more spatial effect.

**PRODUCT CONCEPT**
The T-BAR UP provides ambient uplight while only extending 2″ below the ceiling plane. With built-in shielding for maximum light reflectance into the room, T-BAR UP can be installed into any suspended grid ceiling enhancing the architecture while also providing a more spatial effect.

**DESCRIPTION**
Anodized and painted aluminum extruded body, steel mounting clips, powder coated aluminum end caps, high transmitting acrylic PMMA lens.
**Profile Dimensions**

- Grid Type 24
  - 2 = 2 ft 24 = 15/16" 24" 23"
  - 4 = 4 ft 24 = 15/16" 48" 47"
  - 5 = 5 ft 24 = 15/16" 60" 59"

- Grid Type 15, 15B
  - 2 = 2 ft 15 = 9/16" 24" 23.4"
  - 4 = 4 ft 15 = 9/16" 48" 47.4"
  - 5 = 5 ft 15 = 9/16" 60" 59.4"

**Length Dimensions**

- 2 = 2 ft 24 = 15/16" 24" 23"
- 4 = 4 ft 24 = 15/16" 48" 47"
- 5 = 5 ft 24 = 15/16" 60" 59"

**NOTES:**

T-BAR UP modules can be parallel connected up to 12 linear feet max per power supply. Remote power supply includes JB compartment for AC input direct wiring with metal conduit. Max distance from power supply to fixtures is 30 feet with 18 AWG wire. Longer distance achievable if using higher gauge wire.

**APPLICATIONS:**

Executive, Medical, Health, Educational, Retail, Hotels, Airport, Hospitality and any open space areas that require a unique and elegant architectural lighting design.

**MOUNTING:**

Universal mounting brackets are for easy installation to standard 15/16" or 9/16" T-Bars of most manufacturers' ceiling suspension systems. Armstrong compatible mounting clips for installation with Armstrong Ceiling 15/16" Prelude®, Clean Room™, Silhouette®, Sonata®, Interlude® and DC FlexZone™ suspension systems.

**MATERIALS:**

Anodized and painted aluminum extruded body, steel mounting clips, powder coated aluminum end caps, high transmitting acrylic PMMA lens.

**ELECTRIC:**

High output LEDs consume 16W total (2 foot) or 32W total (4 foot) or 40W total (5 foot). Power supply consumption not included. Input voltage 24VDC. Class 2 plenum rated cables at each end equipped with quick connectors to allow multiple modules to be easily connected together (max 12 linear feet of product). Use solid copper wire or wire ferrules to fit into quick connectors.

**WARRANTY:**

5 years

**LISTINGS:**

ETL/ETLus CE RoHS, Indoor use only.

---

**TBUP = T-BAR UP**

**Type of LED/K Color**

- HW = Warm White 3000K
- MW = Medium Warm 3500K
- NN = Neutral Neutral 4000K
- HN = Neutral White 4500K
- Tu = Tunable White 2700-5000K

**Grid Type**

- 24 = 15/16" 15 = 9/16" 15B = 9/16" Bolt slot

**Optic**

- NI = Indirect
- U = Universal
- A = Armstrong
- C = Custom

**Mounting Clips**

- W = White
- C = Custom

**Color**

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Type of LED/K Color</th>
<th>Size</th>
<th>Grid Type</th>
<th>Optic</th>
<th>Mounting Clips</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBUP = T-BAR UP</td>
<td>HW</td>
<td>2</td>
<td>24 = 15/16&quot;</td>
<td>NI</td>
<td>A</td>
<td>W</td>
</tr>
<tr>
<td></td>
<td>MW</td>
<td>4</td>
<td>24 = 15/16&quot;</td>
<td>NI</td>
<td>A</td>
<td>W</td>
</tr>
<tr>
<td></td>
<td>NN</td>
<td>5</td>
<td>24 = 15/16&quot;</td>
<td>NI</td>
<td>A</td>
<td>W</td>
</tr>
<tr>
<td></td>
<td>HN</td>
<td>2</td>
<td>15 = 9/16&quot;</td>
<td>NI</td>
<td>A</td>
<td>W</td>
</tr>
<tr>
<td></td>
<td>Tu</td>
<td>4</td>
<td>15 = 9/16&quot;</td>
<td>NI</td>
<td>A</td>
<td>W</td>
</tr>
</tbody>
</table>

**CRI = >82**

**LIGHT OUTPUT:**

584lm/ft 77lm/W

**IP40**

**NOTES:**

T-BAR UP modules can be parallel connected up to 12 linear feet max per power supply. Remote power supply includes JB compartment for AC input direct wiring with metal conduit. Max distance from power supply to fixtures is 30 feet with 18 AWG wire. Longer distance achievable if using higher gauge wire.

**APPLICATIONS:**

Executive, Medical, Health, Educational, Retail, Hotels, Airport, Hospitality and any open space areas that require a unique and elegant architectural lighting design.

**MOUNTING:**

Universal mounting brackets are for easy installation to standard 15/16" or 9/16" T-Bars of most manufacturers' ceiling suspension systems. Armstrong compatible mounting clips for installation with Armstrong Ceiling 15/16" Prelude® and Clean Room™, 9/16" Suprafine®, Silhouette®, Sonata®, Interlude® and DC FlexZone™ suspension systems.

**MATERIALS:**

Anodized and painted aluminum extruded body, steel mounting clips, powder coated aluminum end caps, high transmitting acrylic PMMA lens.

**ELECTRIC:**

High output LEDs consume 16W total (2 foot) or 32W total (4 foot) or 40W total (5 foot). Power supply consumption not included. Input voltage 24VDC. Class 2 plenum rated cables at each end equipped with quick connectors to allow multiple modules to be easily connected together (max 12 linear feet of product). Use solid copper wire or wire ferrules to fit into quick connectors.

**WARRANTY:**

5 years

**LISTINGS:**

ETL/ETLus CE RoHS, Indoor use only.
Remote LED Driver and Controller Options for

T3AR LED™
T3AR UP™
Remote LED Driver Options

The T-BAR LED and T-BAR UP run as a Class 2 installation on 24V DC power with only one remote nominal 100W driver required to illuminate up to 12 linear feet of product. Multiple fixtures are easily daisy chained together with factory ready quick-connectors at each end of the product. This simplified power system uses fewer and less expensive electrical materials for installation, resulting in a lower cost, as well as reduced energy loss. Lutron dimmable driver options available.

24VDC LED Driver 96W Power Supply
dimmable and non dimmable

96W max single output Class 2 power supply, universal input voltage 100-277Vac output 24VDC. This power supply includes a JB compartment for AC input direct wiring with metal conduit. Available with 0-10Vdc nominal 1% dimming option.

Notes:
T-BAR LED and T-BAR UP modules can be parallel connected up to 12 linear feet max per power supply.

Wiring Chart:

<table>
<thead>
<tr>
<th>Gauge</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 (0.75 mm²)</td>
<td>30ft (9m) maximum</td>
</tr>
<tr>
<td>16 (1.5 mm²)</td>
<td>45ft (14m) maximum</td>
</tr>
<tr>
<td>14 (2.0 mm²)</td>
<td>70ft (21m) maximum</td>
</tr>
</tbody>
</table>

* Extra cables for longer distances, by others

Secure LED driver to a remote location without the need of a NEMA box.

24VDC LED Driver 384W Power Supply
dimmable and non dimmable

The 384W unit is a pre-assembled power kit using four of our standard Class 2 power supplies, creating a unit capable of powering 48 feet of product. The electrical characteristics of each Class 2 channel are the same as our individual 100W power supply. Available with 0-10Vdc nominal 1% dimming option.

Notes:
T-BAR LED and T-BAR UP modules can be parallel connected up to 12 linear feet max per channel totaling 48 linear feet of illuminated product.

Wiring Chart:

<table>
<thead>
<tr>
<th>Gauge</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 (0.75 mm²)</td>
<td>30ft (9m) maximum</td>
</tr>
<tr>
<td>16 (1.5 mm²)</td>
<td>45ft (14m) maximum</td>
</tr>
<tr>
<td>14 (2.0 mm²)</td>
<td>70ft (21m) maximum</td>
</tr>
</tbody>
</table>

* Extra cables for longer distances, by others

In addition to offering a single nominal 100W remote driver, JLC-Tech has gone one step further to simplify field installations by offering a 4-pack, factory pre-assembled driver solution. This nominal 400W remote driver package can power up to 48 feet of T-BAR LED and T-BAR UP. JLC-Tech is truly revolutionizing the way designers integrate light with suspended grid ceilings!
T-BAR LED™ and T-BAR UP™
Power Supply Options

24VDC LED Driver 96W Power Supply
0-10 VDC dimmable and non dimmable
T-BAR LED and T-BAR UP modules can be parallel connected up to 12 linear feet max per power supply. Power supply includes JB compartment for AC input direct wiring with metal conduit.

24VDC LED Driver 384W Power Supply
0-10 VDC dimmable and non dimmable
T-BAR LED and T-BAR UP modules can be parallel connected up to 12 linear feet max per channel totaling 48 linear feet of illuminated product. Power kit includes JB for AC input direct wiring with metal conduit.

OLUTRON®
Power Supply Options

40W HI-LUME®
1.0% Ecosystem™ or 3-wire
T-BAR LED and T-BAR UP modules can be parallel connected up to 4 linear feet per 40W HI-Lume driver. Lutron's 40W HI-LUME® driver provides smooth, flicker free dimming from 100% to 1.0%. UL-Listed for remote use.

96W HI-LUME® Premier
0.1% Ecosystem™ or 3-wire
T-BAR LED and T-BAR UP modules can be parallel connected up to 12 linear feet max per 96W HI-Lume driver. Lutron's 96W HI-LUME® driver provides smooth, flicker free dimming from 100% to 0.1%. UL-Listed for remote use.

Remote Drivers | Order Specification Guide

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Driver Type</th>
<th>Power</th>
<th>Wattage</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBSL = T-BAR LED Power Supply</td>
<td>PS = Non Dimmable</td>
<td></td>
<td>100W = 96W</td>
<td>UNV = Universal 100-277V</td>
</tr>
<tr>
<td></td>
<td>DIM = Dimmable 0-10 VDC</td>
<td></td>
<td>400W = 384W</td>
<td></td>
</tr>
<tr>
<td>Lutron Item Number</td>
<td>Description</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TBSL-L3DA4L1UXL-CV/240</td>
<td>40W HI-LUME® 1.0% Ecosystem™ or 3-wire / 24vdc Driver / Universal 100-277V</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TBSL-L3D0-96W24V-U</td>
<td>96W HI-LUME® 0.1% Ecosystem™ or 3-wire / 24vdc Driver / Universal 100-277V</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

WARRANTY: 5 years

24VDC LED Driver 96W Power Supply

24VDC LED Driver 384W Power Supply Kit

OLUTRON® 40W HI-LUME® Power Supply

OLUTRON® 96W HI-LUME® Premier Power Supply

WARNING:
Shock hazard. May result in serious injury or death. Disconnect power before opening top lid, servicing or installing.

AVERTISSEMENT:
Danger d'électrocution. Peut causer de graves lésions ou le décès de la personne. Couper l'alimentation du disjoncteur avant de procéder à l'ouverture de couvercle supérieur, au montage ou à l'entretien de l'installation.

Pats | Brevets: 7,911,156

Lid screws: 8-32 x 3/8"thread-rolling, serrated

Vis du couvercle: 8-32 x 3/8"roulage de filets, dentelées

US/CANADA: 1.844.LUTRON1 (1.844.588.7661)

Input | Entrée:
Output | Sortie:
24 V      4 A Max

Class 2

Warranty void if inner plastic cover is removed.
Garantie annulée si le couvercle plastique intérieur est ouvert.

Suitable for damp locations.
Convient aux emplacements humides.
Use 20 - 12 A WG wire only.
Utiliser un fil de 0,50 - 2,5 mm² seulement.

USA / Canada: 1.844.LUTRON1 (1.844.588.7661)

Input | Entrée:
Output | Sortie:
24 V      4 A Max
T-BAR LED™ and T-BAR UP™ Controllers for tunable white models

T-BAR LED and T-BAR UP tunable white models require a low voltage controller interface paired with the standard T-BAR LED remote driver in order to adjust the color temperature. The 2700K to 5000K tuning range can be automatically programmed to adjust CCT based on the time of day, manually selected using a DMX interface with eldoLED option; or controlled via Bluetooth and mobile app using the Casambi option. DALI control options also available, consult factory.

**eldoLED**

Lineardrive 100W DMX control

A low voltage DMX controller that features separate cool white and warm white output channels to be controlled via DMX interface. When paired with a T-BAR LED power supply, it can control up to 12ft of tunable white product.

**Casambi**

4ch PWM dimmer Bluetooth control

A low voltage Bluetooth controller with separate cool white and warm white outputs, controlled with the free Casambi app. When paired with a T-BAR LED power supply, it can control up to 12ft of tunable white product, and up to 127 Casambi units can form an intelligent mesh network.

**Remote Controllers | Order Specification Guide**

<table>
<thead>
<tr>
<th>Controller Item Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBTUNE-LIN100D2</td>
<td>eldoLED Lineardrive DC, 100W, DMX/RDM controllable, 4 control channels, constant voltage, 4x LED outputs</td>
</tr>
<tr>
<td>TBTUNE-CBU-PWM4</td>
<td>Casambi CBU-PWM4, Bluetooth controllable 4ch PWM dimmer</td>
</tr>
</tbody>
</table>

**WARRANTY:** 5 years

**eldoLED LINEAdrive 100D**

**Casambi CBU-PWM4**

**Wiring diagram, tunable white**

Nobilis Headquarters – Reston, VA
SmithGroup
The T-BAR TWO takes task-oriented lighting to a new level. In addition to becoming a part of the ceiling assembly, the T-BAR TWO offers a combination of dual optics controlled by a dual circuit allowing for flexibility in multi-purpose spaces. A room’s ambiance is easily managed with this new ability to toggle between direct lighting and a concentrated angle of light.
The T-BAR TWO offers a combination of dual optics controlled by a dual circuit for flexibility in multi-purpose spaces, while also providing a visually comfortable environment. The diffusing portion provides direct lighting using a micro-prismatic lens for a controlled distribution with even illumination. The cut-off reflector uses individual optics for a concentrated angle of light on the desired task area without unwanted glare on certain objects such as TV monitors.

**PRODUCT CONCEPT**
The T-BAR TWO offers a combination of dual optics controlled by a dual circuit for flexibility in multi-purpose spaces, while also providing a visually comfortable environment. The diffusing portion provides direct lighting using a micro-prismatic lens for a controlled distribution with even illumination. The cut-off reflector uses individual optics for a concentrated angle of light on the desired task area without unwanted glare on certain objects such as TV monitors.

**DESCRIPTION**
Anodized and painted aluminum extruded body, steel mounting clips, white PC end caps, high transmitting acrylic PMMA lens (diffusing lens) and high reflectance 98% aluminum coated or white or black PC reflectors for a dark light effect (cut-off reflector).
**T-BAR TWO | Order Specification Guide**

**Product Name**
TBTW = T-BAR TWO

**Type of LED/K Color**
- HW = Warm White 3000K
- MW = Medium Warm 3500K
- MN = Medium Neutral 4000K
- HW = Neutral White 4500K

**Size**
- 2 = 2 ft
- 4 = 4 ft
- 4L = 4 ft L

**Grid Type**
- 24 = 15/16”
- 15 = 9/16”
- 15B = 9/16” Bolt Slot
- 24C = 15/16” Partially Concealed Grid

**Optic**
- CD = Cut-Off Reflector & Diffusing Lens
- CDWH = White Cut-Off Reflector & Diffusing Lens
- CDBL = Black Cut-Off Reflector & Diffusing Lens

**Mounting Clips**
- U = Universal
- A = Armstrong
- C = Custom
- W = White
- C = Custom

**Color**
- W = White
- C = Custom

---

**Profile Dimensions**

![Profile Dimensions Diagram]

**Length Dimensions**

![Length Dimensions Diagram]

**NOTES:**
T-BAR TWO modules can be parallel connected up to 16 linear feet of each circuit max per power supply. Remote power supply includes JB compartment for AC input direct wiring with metal conduit. Max distance from power supply to fixtures is 30 feet with 18 AWG wire. Longer distance achievable if using higher gauge wire.

**APPLICATIONS:**
Executive, Medical, Health, Educational, Retail, Hotels, Airport, Hospitality and any open space areas that require a unique and elegant architectural lighting design.

**MOUNTING:**
Universal mounting brackets are for easy installation to standard 15/16” or 9/16” T-Bars of most manufacturers’ ceiling suspension systems. Armstrong compatible mounting clips for installation with Armstrong Ceiling 15/16” Prelude® and Clean Room™, 9/16” Suprafine®, Silhouette®, Sonata®, Interlude® and DC FlexZone™ suspension systems.

**MATERIALS:**
Anodized and painted aluminum extruded body, steel mounting clips, white PC end caps, high transmitting acrylic PMMA lens (diffusing lens) and high reflectance 98% aluminum coated or white or black PC reflectors for a dark light effect (cut-off reflector).

**ELECTRIC:**
Two circuit fixture consumes 10.8W on Circuit A Diffusion Lens (2ft fixture) and 5.75W on Circuit B Cut-Off Reflector (2ft fixture) or 21.6W on Circuit A (4ft fixture) and 11.3W on Circuit B (4ft fixture). Power supply consumption not included.

**Input voltage:** 24VDC. Junction box mounted on fixture with 4 cables of 20AWG inside for Circuit A and Circuit B connection to power supply.

**WARRANTY:**
5 years

**LISTINGS:**
ETL/cETLus CE RoHS. Indoor use only.

---

**Product Name**
TBTW = T-BAR TWO

**Length Dimensions**

![Length Dimensions Diagram]

**Size Grid Type X Y**

<table>
<thead>
<tr>
<th>Size</th>
<th>Grid Type</th>
<th>X</th>
<th>Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 = 2ft</td>
<td>24 = 15/16”</td>
<td>24”</td>
<td>23”</td>
</tr>
<tr>
<td>4 = 4ft</td>
<td>24 = 15/16”</td>
<td>48”</td>
<td>47”</td>
</tr>
<tr>
<td>4L = 4 ft L</td>
<td>24 = 15/16”</td>
<td>48”</td>
<td>24”</td>
</tr>
<tr>
<td>2 = 2 ft</td>
<td>15 = 9/16”</td>
<td>24”</td>
<td>23.4”</td>
</tr>
<tr>
<td>4 = 4 ft</td>
<td>15 = 9/16”</td>
<td>48”</td>
<td>47.4”</td>
</tr>
</tbody>
</table>

---

**Cut-Off Reflector**
for direct light on task area

**Diffusing Lens**
for ambient light

**Light Output:**

- **2ft Model**
  - Diffusing = 769lm
  - Cut-Off Reflector = 321lm
  - Total = 1071lm

- **4ft Model**
  - Diffusing = 1359lm
  - Cut-Off Reflector = 643lm
  - Total = 2043lm

---

**CRi** = >82
**Lm** > 60K hrs

**CRI = >82**
**Lm = > 60K hrs**

**IP20**

---

**JB Installed on top (provided)**

![JB Installed Diagram]

---

**JLCTech**

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[CONFIDENTIALITY NOTICE]

---

[JB Installed Diagram]
Remote LED Driver Options for

T3AR TWO™
Remote Drivers | Order Specification Guide

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Driver Type</th>
<th>Power</th>
<th>Wattage</th>
<th>Voltage</th>
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<tbody>
<tr>
<td>TBSL = T-BAR TWO Power Supply</td>
<td>PS = Non Dimmable</td>
<td>HP = High Power</td>
<td>200W</td>
<td>UNV = Universal 100-277V</td>
</tr>
<tr>
<td>DIM = Dimmable 0-10 VDC</td>
<td></td>
<td></td>
<td>192W</td>
<td></td>
</tr>
</tbody>
</table>

WARRANTY: 5 years

**T-BAR TWO™ Power Supply Option**

24VDC LED Driver 192W Power Supply Kit

0-10 VDC dimmable and non dimmable

T-BAR TWO modules can be parallel connected up to either (8) 2ft fixtures or (4) 4ft fixtures max of each circuit per driver channel totaling 16 linear feet of illuminated product. Power kit includes J-box for AC input direct wiring with metal conduit. Available with 0-10Vdc nominal 1% dimming.

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<td></td>
<td></td>
<td>192W</td>
<td></td>
</tr>
</tbody>
</table>

WARRANTY: 5 years

**24VDC LED Driver 192W Power Supply**

- 20” length
- 7” width
- 2” height
- 3.75 lb

**Wiring Chart:**

- **Gauge**
  - 18 (0.75 mm²)
  - 16 (1.5 mm²)
  - 14 (2.0 mm²)

- **Length**
  - 30ft (9m) maximum
  - 45ft (14m) maximum
  - 70ft (21m) maximum

Extra cables for longer distances, by others
Add dramatic lighting effects to a space and create a bold statement with JLC-Tech's T-BAR RGBW product line. Capable of both white color tuning as well as full-color control, the T-BAR RGBW brings the latest in LED color mixing technology to JLC-Tech's patented design.
The combination of separate RGB and white emitters allow for precise control across the color spectrum providing tunable white light, or bold splashes of color available in the Asymmetric, Clear Block and Frosted Block. Ideal for wall washing or ambient lighting, T-BAR RGBW is the perfect solution to transform a space into a dynamic environment.

DESCRIPTION
Anodized and painted aluminum extruded body, steel mounting clips, white PC end caps, high transmitting acrylic PMMA lens (asymmetric, block diffusing lens).
T-BAR RGBW | Order Specification Guide

**Product Name**
- TBRGB = T-BAR RGBW

**Type of LED/Color**
- MW = Medium Warm 3500K + RGB

**Size**
- 2 = 2 ft
- 4 = 4 ft
- 4L = 4 ft L
- 6 = 60 cm
- 12 = 120 cm
- 12L = 120 cm L

**Grid Type**
- 24 = 15/16”

**Optic**
- A2 = Asymmetric
- B = Block Clear Diffusing Lens
- B2 = Block Frosted Diffusing Lens
- S = Acrylic Signage

**Mounting Clips**
- U = Universal
- A = Armstrong
- C = Custom

**Color**
- W = White
- C = Custom

**CRI** = >82

**Lm0** = 60K hrs

**IP40**

**LIGHT OUTPUT:**
- Asymmetric = 559lm per foot (white only)
- Block Clear Diffusing = 513lm per foot (white only)
- Block Frosted Diffusing = 552lm per foot (white only)

**NOTES:**
- T-BAR RGBW modules can be parallel connected up to 6 linear feet max per power supply. Remote power supply includes JB compartment for AC input direct wiring with metal conduit. Max distance from power supply to controller is 30 feet with 18 AWG wire. Longer distance achievable if using higher gauge wire. Remote color controller must be installed in accordance with local electrical codes.

**APPLICATIONS:**
- Executive, Medical, Health, Educational, Retail, Hotels, Airport, Hospitality and any open space areas that require a unique and decorative architectural lighting design effect.

**MOUNTING:**
- Universal mounting brackets are for easy installation to standard 15/16” T-Bars of most manufacturers’ ceiling suspension systems.
- Armstrong compatible mounting clips for installation with Armstrong Ceiling 13/16” Prelude® and Clean Room™ suspension systems.

**MATERIALS:**
- Anodized and painted aluminum extruded body, steel mounting clips, white PC end caps, high transmitting acrylic PMMA lens (asymmetric, block diffusing lens).

**ELECTRIC:**
- High output LEDs consume 8W/ft white channel and 8W/ft RGB channel. Power supply consumption not included. Input voltage 24VDC. Junction box installed on fixture with 5 wires inside for connection to control system or another fixture (max 6 linear feet of product).

**CONTROLS:**
- Standard control options include EldoLED LINEAR drive 100D (DMX compatible), Casambi CBU-PWM4 (Bluetooth Mesh).

**WARRANTY:**
- 5 years

**LISTINGS:**
- ETL/CE/UL/CE/ROHS. Indoor use only.

**Profile Dimensions**
- 24 [60mm]
- 15/16” [24mm]

**Length Dimensions**
- 2 = 2ft
- 4 = 4ft
- 4L = 4ft L

**Size Grid Type X Y**
- 2 = 2ft 24 = 15/16” 24” 23”
- 4 = 4ft 24 = 15/16” 48” 47”
- 4L = 4ft L 24 = 15/16” 48” 24”

**JB Installed on top (provided)**
- 2.94” [75.7mm]

**Made in USA**
Remote LED Driver and Controller Options for T-BAR RGBW™
### T-BAR RGBW™

**Power Supply Options**

<table>
<thead>
<tr>
<th>24VDC LED Driver 96W Power Supply</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-10 VDC non dimmable</td>
</tr>
<tr>
<td>T-BAR RGBW modules can be parallel connected up to 6 linear feet per power supply, when paired with a T-BAR RGBW controller. Power supply includes JB compartment for AC input direct wiring with metal conduit.</td>
</tr>
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<table>
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<th>24VDC LED Driver 384W Power Supply</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-10 VDC non dimmable</td>
</tr>
<tr>
<td>T-BAR RGBW modules can be parallel connected up to 6 linear feet max per channel totaling 24 linear feet of illuminated product, when paired with a T-BAR RGBW controller. Power kit includes JB for AC input direct wiring with metal conduit.</td>
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**Controller Options**

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<td>A low voltage DMX controller that features four LED outputs that can be controlled individually via DMX. When paired with a T-BAR RGBW power supply, it can control up to 6ft of T-BAR RGBW fixtures.</td>
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<td>4ch PWM dimmer Bluetooth control</td>
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<td>A low voltage Bluetooth controller with four LED outputs, controlled with the free Casambi app. When paired with a T-BAR RGBW power supply, it can control up to 6ft of T-BAR RGBW fixtures, and up to 127 Casambi units can form an intelligent mesh network.</td>
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### Wiring Chart:

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</tr>
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### Remote Drivers and Controllers | Order Specification Guide

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<td>eldoLED LINEARdrive DC, 100W, DMX/RDM controllable, 4 control channels, constant voltage, 4x LED outputs</td>
</tr>
<tr>
<td>TBRGB-CBU-PWM4</td>
<td>Casambi CBU-PWM4, Bluetooth controllable 4ch PWM dimmer</td>
</tr>
</tbody>
</table>

**WARRANTY:** 5 years
The simple lighting solution for your next project.

JLC-Tech was founded with one singular vision: to create unique and useful LED lighting fixtures.

Improve room acoustics, achieve even illumination, reduce installation costs and minimize construction waste by using JLC-Tech’s products, the only lighting fixtures that replace the cross tee in the suspended ceiling system.

“The IES Progress Committee has recognized the T-BAR LED as a unique and significant advancement to the art and science of lighting.”