The only lighting products that are designed, approved and patented to replace the cross members in a suspended grid ceiling system.
"Making the simple complicated is commonplace; making the complicated simple, awesomely simple, that’s creativity.”

– Charles Mingus

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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 2x2’ and 2x4’ 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!
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 McMillian case study on our website.

Key Benefits of JLC-Tech Products

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

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

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.

A simple design for an unforgettable architectural statement.
Mounting Configurations

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.

- 4 T-BAR LED
- 2 T-BAR LED
- 4L Model T-BAR LED
- Possible positions for T-BAR LED light modules
- One-piece main runner (cannot be replaced by light modules)

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.

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
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-A-W
T-BAR LED 2' Diffusing Lens 9/16" (3500K)

Average foot candle achieved at desk:
35.6 FC

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

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

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

**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

**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 desk:**
- 25.0 FC
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.)
T-BAR LED™

tunable white

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

**Light Color**

Correlated Color Temperature (CCT)

![Light Color Diagram]

- 2700K
- Bright White
- 5000K
- Daylight

JLC-Tech
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®, Calla®, 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.
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.
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.

**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**
- **T3AR LED**

**Type of LED/K Color**
- HW = Warm White 3000K
- MW = Medium Warm 3500K
- MN = Medium Neutral 4000K
- TU = Tunable White 2700–5000K
- HN = Neutral White 4500K

**Size**
- 2 = 2 ft
- 4 = 4 ft
- 5 = 5 ft
- 4L = 4 ft L
- 2 = 2 ft L
- 4 = 4 ft L
- 5 = 5 ft L

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

**Optic**
- D = Diffusing Lens

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

**Color**
- >82 L80 > 60K hrs IP40

**LIGHT OUTPUT:**
- 15/16" 584 lm per foot 75 lm/W
- 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:**
- Armstrong compatible mounting clips for installation with Armstrong Ceiling 15/16" Prelude® and Clean Room™, 9/16" Suprafine®, Silhouette®, Sonata® and Interlude® 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/eETLus CE RoHS Indoor use only.
**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>Size</th>
<th>Grid Type</th>
<th>X</th>
<th>Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 = 2ft</td>
<td>24 = 15/16&quot;</td>
<td>24&quot;</td>
<td>23&quot;</td>
</tr>
<tr>
<td>4 = 4ft</td>
<td>24 = 15/16&quot;</td>
<td>48&quot;</td>
<td>47&quot;</td>
</tr>
<tr>
<td>5 = 5ft</td>
<td>24 = 15/16&quot;</td>
<td>60&quot;</td>
<td>59&quot;</td>
</tr>
<tr>
<td>4L = 4ft L</td>
<td>24 = 15/16&quot;</td>
<td>48&quot;</td>
<td>24&quot;</td>
</tr>
</tbody>
</table>

**Light Output:** (C Optic) metalized finish
623lm per foot
75lm/W

**CRI:** >82 L80 > 60K hrs IP20

**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:**
  - 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/ETLus CE RoHS, Indoor use only.

Advent International – Boston, MA
Ripman Lighting Consultants / Visnick & Caulfield Associates, Inc.
**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.
**Product Name** | **Type of LED/K Color** | **Size** | **Grid Type** | **Optic** | **Mounting Clips** | **Color**
---|---|---|---|---|---|---
TBSL | T-BAR LED | | | | | |
**HW** = Warm White 3000K | **MW** = Medium Warm 3500K | **MN** = Medium Neutral 4000K | **HN** = Neutral White 4500K | **2 = 2 ft** | **24 = 15/16”** | **15 = 9/16”** | **A = Armstrong** | **W = White** | **C = Custom**

**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:**
Armstrong compatible mounting clips for installation with Armstrong Ceiling 15/16” Prelude® and Clean Room™, 9/16” Suprafine®, Silhouette®, Sonata® and Interlude® 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.

**WARRANTY:**
5 years

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

**George Bush Intercontinental Airport, United Terminal C North Concourse – Houston, TX**
HBL Lighting Design / Pierce Goodwin Alexander & Linville
Asymmetric
15/16” and 9/16”

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.
T-BAR LED Asymmetric | 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 = 2 ft</td>
<td>24 = 15/16&quot;</td>
<td>A2 = Asymmetric</td>
<td>A = Armstrong</td>
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</tr>
<tr>
<td></td>
<td>MW = Medium Warm 3500K</td>
<td>4 = 4 ft</td>
<td>15 = 9/16&quot;</td>
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<tr>
<td></td>
<td>MN = Medium Neutral 4000K</td>
<td>5 = 5 ft</td>
<td>15B = 9/16&quot; Bolt Slot</td>
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<td></td>
<td>HN = Neutral White 4500K</td>
<td>4L = 4 ft L</td>
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<td></td>
<td>TU = Tunable White 2700-5000K</td>
<td>6 = 60 cm</td>
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<td>12 = 120 cm</td>
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<td>12L = 120 cm L</td>
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CRI = >82 Lm > 60K hrs IP40

LIGHT OUTPUT:
15/16" - 582lm per foot 73lm/W
9/16" - 484lm per foot 62lm/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:
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.

MOUNTING:
Armstrong compatible mounting clips for installation with Armstrong Ceiling 15/16" Prelude® and Clean Room™, 9/16" Superfine®, Silhouette®, Sonata® and Interlude® 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/ETLus CE RoHS. Indoor use only.
**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.
## T-BAR LED Block Clear Diffusing Lens | Order Specification Guide

### Profile Dimensions

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

### Length Dimensions

- **Width**: 2.98" (75.7mm)
- **Height**: 0.95" (24mm)
- **Depth**: 1.56" (39.7mm)
- **15/16"**: 2.44" (62mm)
- **9/16"**: 1.56" (39.7mm)
- **Bolt Slot**: 2.44" (62mm)
- **Partially Concealed Grid**: 2.44" (62mm)

### T-BAR LED Block Clear Diffusing Lens

- **Color**: HW = Warm White 3000K, MW = Medium Warm 3500K, MN = Medium Neutral 4000K, HN = 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" 15B = 9/16" Bolt Slot 24C = 15/16" Partially Concealed Grid
- **Optic**: B = Block Clear Diffusing Lens
- **Mounting Clips**: A = Armstrong, W = White, C = Custom
- **Color Filters**: Available on request, consult factory.

### Light Output

- **15/16"**: 644im per foot 72lm/W
- **9/16"**: 568lm per foot 56lm/W

### Applications

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

### Mounting

- Armstrong compatible mounting clips for installation with Armstrong Ceiling 15/16" Prelude®, Clean Room®, Silhouette®, Sonata® and Interlude® 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.

### CRI

- >82

### IP

- 40
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.

**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.

DPR Construction – Orlando, FL
Little Diversified Architectural Consulting
T-BAR LED Block Frosted Diffusing Lens

<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”</td>
<td>24 = Block Frosted Diffusing Lens</td>
<td>A = Armstrong</td>
<td>W = White</td>
</tr>
<tr>
<td></td>
<td>MW = Medium Warm 3500K</td>
<td>4 = 4 ft</td>
<td>16 = 9/16”</td>
<td>15B = 9/16” Bolt Slot</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MN = Medium Neutral 4000K</td>
<td>5 = 5 ft</td>
<td>15 = 9/16”</td>
<td>24C = 15/16” Partially Concealed Grid</td>
<td></td>
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<tr>
<td></td>
<td>HW = Neutral White 4500K</td>
<td>4L = 4 ft L</td>
<td>15B = 9/16”</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TU = Tunable White 2700–5000K</td>
<td>6 = 60 cm</td>
<td>12 = 120 cm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>6L = 60 cm L</td>
<td>12L = 120 cm L</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**CRI = >82**

**Lm > 60K hrs**

**IP40**

**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:**

Armstrong compatible mounting clips for installation with Armstrong Ceiling 15/16” Prelude® and Clean Room™, Silhouette®, Sonata® and Interlude® 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.
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

#### T3AR LED™

<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>
</table>
| TBSL = T-BAR LED | HW = Warm White 3000K  
MW = Medium Warm 3500K  
MN = Medium Neutral 4000K  
NN = Neutral White 4500K  
TU = Tunable White 2700-5000K | 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 | 24 = 15/16”  
15 = 9/16”  
15B = 9/16” Bolt Slot  
34C = 15/16” Partially Concealed Grid | S = Acrylic Signage  
A = Armstrong | W = White  
C = Custom |

**Profile Dimensions**

<table>
<thead>
<tr>
<th>X</th>
<th>Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>23</td>
</tr>
<tr>
<td>48</td>
<td>47</td>
</tr>
<tr>
<td>60</td>
<td>59</td>
</tr>
<tr>
<td>48</td>
<td>24</td>
</tr>
<tr>
<td>24</td>
<td>23.4</td>
</tr>
<tr>
<td>48</td>
<td>47.4</td>
</tr>
<tr>
<td>60</td>
<td>59.4</td>
</tr>
<tr>
<td>48</td>
<td>24</td>
</tr>
</tbody>
</table>

**Length Dimensions**

<table>
<thead>
<tr>
<th>X</th>
<th>Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.44” (138.19mm)</td>
<td>0.94” (24mm)</td>
</tr>
<tr>
<td>4” (102.19mm)</td>
<td>15/16” (24mm)</td>
</tr>
<tr>
<td>0.71” (18mm)</td>
<td>4” (102.19mm)</td>
</tr>
<tr>
<td>5.44” (138.19mm)</td>
<td>9/16” (15mm)</td>
</tr>
</tbody>
</table>

**CRI >82  
Life > 60K hrs  
IP40**

**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:**

Armstrong compatible mounting clips for installation with Armstrong Ceiling 15/16” Prelude® and Clean Room™, 9/16” Suprafine®, Silhouette®, Sonata® and Interlude® 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.

Patent No: 8,177,385; 9,879,850; D834,239; 178047. Additional patents are pending.
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.
**T-BAR UP**

15/16" and 9/16"

**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.
<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 = Warm White 3000K</td>
<td>2 = 2 ft</td>
<td>24 = 15/16&quot;</td>
<td>Ni = Indirect</td>
<td>A = Armstrong</td>
<td>W = White</td>
</tr>
<tr>
<td></td>
<td>MW = Medium Warm 3500K</td>
<td>4 = 4 ft</td>
<td>15 = 9/16&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MN = Medium Neutral 4000K</td>
<td>5 = 5 ft</td>
<td>15B = 9/16&quot; Bolt slot</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>NN = Neutral White 4500K</td>
<td>6 = 60 cm</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TUI = Tunable White 2700-5000K</td>
<td>12 = 120 cm</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Profile Dimensions

Grid Type 24

Grid Type 15, 15B

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>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>47.4&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>
</tbody>
</table>

CRI = >82

LIGHT OUTPUT:

584 lm/ft

77 lm/W

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:

Armstrong compatible mounting clips for installation with Armstrong Ceiling 15/16" Prelude® and Clean Room™, 9/16" Suprafine®, Silhouette®, Sonata® and Interlude® 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/cETLus CE RoHS. Indoor use only.

Private Office - Boston, MA
### Room Summary

<table>
<thead>
<tr>
<th>Label Type</th>
<th>Wall Ht.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CORRIDOR</td>
<td>Polygon-Flat</td>
</tr>
</tbody>
</table>

### Room Surface Summary

<table>
<thead>
<tr>
<th>Room Label</th>
<th>Color Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Floor</td>
<td>0.65</td>
</tr>
<tr>
<td>Ceiling</td>
<td>0.85</td>
</tr>
<tr>
<td>Wall_1</td>
<td>0.60</td>
</tr>
<tr>
<td>Wall_2</td>
<td>0.60</td>
</tr>
<tr>
<td>Wall_3</td>
<td>0.60</td>
</tr>
<tr>
<td>Wall_4</td>
<td>0.60</td>
</tr>
</tbody>
</table>

### Calculation Summary

<table>
<thead>
<tr>
<th>Label</th>
<th>CalcType</th>
<th>Units</th>
<th>Avg</th>
<th>Max</th>
<th>Min</th>
<th>Avg/Min</th>
<th>Max/Min</th>
</tr>
</thead>
<tbody>
<tr>
<td>CORRIDOR_Floor</td>
<td>Illuminance</td>
<td>Fc</td>
<td>31.60</td>
<td>40.6</td>
<td>18.2</td>
<td>1.74</td>
<td>2.23</td>
</tr>
</tbody>
</table>

### Luminaire Schedule

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Qty Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>14 TBUP-MN-4-24-IN-X-W</td>
<td></td>
</tr>
</tbody>
</table>

### Foot candle at desk

<table>
<thead>
<tr>
<th>Room dimensions:</th>
<th>60 x 60 feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>ceiling height</td>
<td>9 feet</td>
</tr>
<tr>
<td>Quantity of product:</td>
<td>65 pcs – TBUP-MN-4-24-IN-X-W</td>
</tr>
<tr>
<td>T-BAR UP 4' Indirect Lens 15/16&quot; (4000K)</td>
<td></td>
</tr>
<tr>
<td>Average foot candle achieved at desk:</td>
<td>38.41 FC</td>
</tr>
</tbody>
</table>

### Foot candle at floor

<table>
<thead>
<tr>
<th>Room dimensions:</th>
<th>60 x 10 feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>ceiling height</td>
<td>9 feet</td>
</tr>
<tr>
<td>Quantity of product:</td>
<td>14 pcs - TBUP-MN-4-24-IN-X-W</td>
</tr>
<tr>
<td>T-BAR UP 4' Indirect Lens 15/16&quot; (4000K)</td>
<td></td>
</tr>
<tr>
<td>Average foot candle achieved at floor:</td>
<td>32.5 FC</td>
</tr>
</tbody>
</table>
Remote LED Driver and Controller Options for

T-Bar LED™

T-Bar 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

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
**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 power supply. Power supply includes JB compartment for AC input direct wiring with metal conduit.

---

**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.

---

**OLUTRON: Power Supply Options**

---

**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, DIM = Dimmable 0-10 VDC</td>
<td>HP = High Power</td>
<td>100W = 96W, 400W = 384W</td>
<td>UNV = Universal 100-277V</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lutron Item Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBSL-L3D0-96W24V-U</td>
<td>40W HI-LUME® 0.1% Ecosystem™ or 3-wire / 24Vdc Driver / Universal 100-277V</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>
</tr>
</tbody>
</table>

**WARRANTY:** 5 years

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**24VDC LED Driver 96W Power Supply**

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**24VDC LED Driver 384W Power Supply Kit**

---

**OLUTRON: 40W HI-LUME® Power Supply**

---

**OLUTRON: 96W HI-LUME® Premier Power Supply**

---
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>TBTUNELIN100D2</td>
<td>eldoLED LINEArdrive DC, 100W, DMX/RDM controllable, 4 control channels, constant voltage, 4x LED outputs</td>
</tr>
<tr>
<td>TBTUNECBUPWMM4</td>
<td>Casambi CBU-PWM4, Bluetooth controllable 4ch PWM dimmer</td>
</tr>
</tbody>
</table>

WARRANTY: 5 years

eldoLED LINEArdrive 100D

**Spec Sheet Information:**
- 1.18" width
- 0.7" height
- 0.81 oz
- INPUT 12-24 VDC
- OUTPUT 12-24 VDC
- Max. 6 A total
- Tunable white

Casambi CBU-PWM4

**Spec Sheet Information:**
- 2.85" length
- 1.18" width
- 0.7" height
- 4.2 oz
- DALI control options also available, consult factory.

Wiring diagram, tunable white

- 24 VDC power supply
- TBSL-PS-HP-XX-UNV
- Casambi or eldoLED
- Tunable White

Light Color: Correlated Color Temperature (CCT)
2700K | 3000K | 4000K

Nobilis Headquarters – Reston, VA
SmithGroup
T-BAR TWO™

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

**Profile Dimensions**

**Length Dimensions**

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

**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:**

Armstrong compatible mounting clips for installation with Armstrong Ceiling 15/16" Prelude® and Clean Room™, 9/16" Suprafine®, Silhouette®, Sonata® and Interlude® 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 (6ft 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/ETLus CE RoHS: Indoor use only.

**CD = Cut-Off Reflector & Diffusing Lens**

**CDWH = White Cut-Off Reflector & Diffusing Lens**

**CDBL = Black Cut-Off Reflector & Diffusing Lens**

**T-BAR TWO = T-BAR TWO**

**HW = Warm White 3000K**

**MW = Medium Warm 3500K**

**MN = Medium Neutral 4000K**

**HN = Neutral White 4500K**

**A = Armstrong**

**W = White**

**C = Custom**

**L = Long**

**JB = JB compartment for AC input direct wiring with metal conduit.**

**CRI = Color Rendering Index**

**Lumens**

<table>
<thead>
<tr>
<th>Model</th>
<th>Diffusing</th>
<th>Cut-Off Reflector</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2ft</td>
<td>769lm</td>
<td>321lm</td>
<td>1071lm</td>
</tr>
<tr>
<td>4ft</td>
<td>1539lm</td>
<td>643lm</td>
<td>2143lm</td>
</tr>
</tbody>
</table>

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

**Diffusing Lens for ambient light**

**Made in USA**
Remote LED Driver Options for

T3AR TWO™
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. Available with 0–10Vdc nominal 1% dimming.

* Power kit includes JB for AC input direct wiring with metal conduit and separate branch connections for control of each individual driver.

24VDC LED Driver 192W Power Supply

<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 TWO Power Supply</td>
<td>PS = Non Dimmable</td>
<td>0-10 VDC</td>
<td>200W = 192W</td>
<td>UNV = Universal 100-277V</td>
</tr>
<tr>
<td>DIM = Dimmable 0-10 VDC</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

WARRANTY: 5 years

20" length
2" height
7" width
3.75 lb

Remote Drivers | Order Specification Guide

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

JLC-Tech
T-BAR RGBW™

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.

PRODUCT CONCEPT

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/K Color**  
**MW = Medium Warm 3500K + RGB**

<table>
<thead>
<tr>
<th>Size</th>
<th>Grid Type</th>
<th>Optic</th>
<th>Mounting Clips</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 ft</td>
<td>24 = 15/16&quot;</td>
<td>A2 = Asymmetric</td>
<td>A = Armstrong</td>
<td>W = White</td>
</tr>
<tr>
<td>4 ft</td>
<td>24 = 15/16&quot;</td>
<td>B = Block Clear Diffusing Lens</td>
<td>B = Block Frosted Diffusing Lens</td>
<td></td>
</tr>
<tr>
<td>4 ft L</td>
<td>24 = 15/16&quot;</td>
<td>B2 = Block Frosted Diffusing Lens</td>
<td>S = Acrylic Signage</td>
<td></td>
</tr>
<tr>
<td>60 cm</td>
<td>12 = 120 cm</td>
<td>12 = 120 cm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>120 cm</td>
<td>12L = 120 cm L</td>
<td>12L = 120 cm L</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15/16&quot;</td>
<td>24 = 15/16&quot;</td>
<td>24 = 15/16&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>24 mm</td>
<td>24 = 15/16&quot;</td>
<td>24 = 15/16&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>48 mm</td>
<td>24 = 15/16&quot;</td>
<td>24 = 15/16&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**CRI = >82**  
**L80 > 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:**  
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 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/ETLus CE RoHS. Indoor use only.
Remote LED Driver and Controller Options for T-Bar RGBW™
T-BAR RGBW™

**Power Supply Options**

24VDC LED Driver 96W Power Supply
- 0-10 VDC non dimmable
- T-BAR RGBW modules can be parallel connected up to 6 linear feet max per power supply, when paired with a T-BAR RGBW controller. Power supply includes JB compartment for AC input direct wiring with metal conduit.

24VDC LED Driver 384W Power Supply
- 0-10 VDC non dimmable
- 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.

**Controller Options**

eldoLED LINEARdrive 100W DMX control
- 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.

Casambi
- 4ch PWM dimmer Bluetooth control
- 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.

### Remote Drivers and Controllers | 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>HP = High Power</td>
<td>100W = 96W</td>
<td>UNV = Universal 100-277V</td>
</tr>
<tr>
<td>TBRGB-LIN100D2</td>
<td>eldoLED LINEARdrive DC, 100W, DMX/RDM controllable, 4 control channels, constant voltage, 4x LED outputs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TBRGB-CBU-PWM4</td>
<td>Casambi CBU-PWM4, Bluetooth controllable 4ch PWM dimmer</td>
<td></td>
<td></td>
<td></td>
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**Warranty**: 5 years

---

**Wiring Chart:**

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*Extra cables for longer distances, by others*
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.”

JLC-Tech LLC
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info@jlc-tech.com
www.jlc-tech.com

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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.