

Lightly Expressed® Light Bars

Imagine being able to direct bright, pure light exactly where you want it and at exactly the right intensity without concern for heat, ultra-violet fading, or electrical hazard. Beautifully designed Light Bars incorporate patented technologies to provide different intensities and give you the best directed linear lighting in the industry.

Fiberstars Light Bars are the perfect answer for case, cabinet, etched glass or accent lighting applications.



focus: **Elegance**

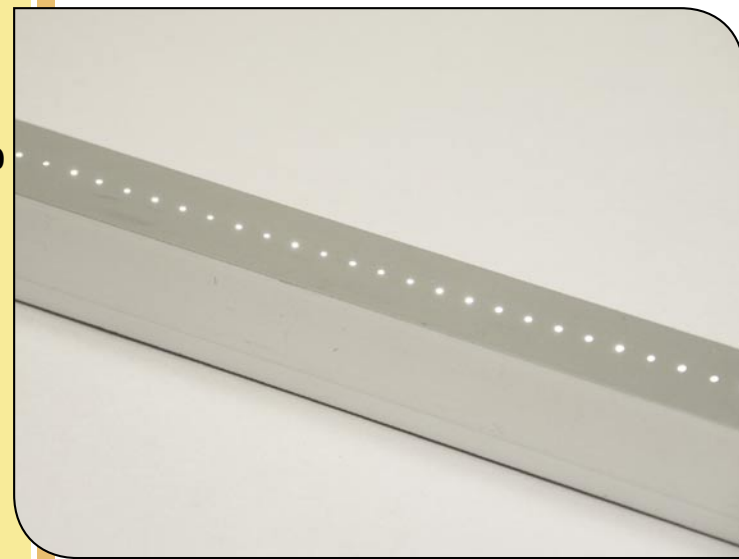


Project: Gems, The Mall at Mission Viejo
Location: Orange County, California

LIGHTLY EXPRESSED® LIGHT BARS

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light bars



LIGHTBEAM

Description:
 LightBeam by Fiberstars® makes it possible to illuminate along a linear path with the light aimed exactly where you want it and at exactly the right intensity. The light that is directed has no electrical hazard, no ultraviolet rays, and is virtually infra-red free.
 Low profile, linear light fixture. Square shape available in standard and compact frames as well as low, medium and high light intensities. Quality aluminum extrusion of rugged construction.

LB						
ordering guide	Lit Length: () SPECIFY INCHES	Tail Length: () SPECIFY FEET	Wash Intensity: H HIGH (0.25" SPACING) M MEDIUM (0.5" SPACING) L LOW (1" SPACING)	Base Size: S STANDARD (1") C COMPACT (5/8")	Finishes: S STANDARD CLEAR ANODIZED B BLACK ANODIZED	Tail Exit: L LEFT R RIGHT C CUSTOM

<p>Specifications: Beam Spread: 60° Max Lit Lengths: STANDARD SIZE: HIGH INTENSITY 108" (2776MM), MEDIUM AND LOW INTENSITY 120" (3084MM). COMPACT SIZE: HIGH INTENSITY 36" (914MM), MEDIUM INTENSITY 84" (2134MM), LOW INTENSITY 120" (3084MM) Base Sizes: STANDARD SIZE: 1" (25.4MM) SQUARE. COMPACT SIZE: 0.65" (16.5MM) SQUARE Mounting: LB-MB (SEE PAGE 16) OR SIMILAR SURFACE MOUNT. Technical Remarks: EMITS A WASH OF LIGHT ALONG AN AXIS. WASH INTENSITY INCREASES WHEN FIBER SPACING DECREASES. Cable Diameters: STANDARD SIZE: 7/8" MAX. COMPACT SIZE: 9/16" MAX Max Fiber Capacity: 300 FIBERS Max Lamp Wattage: 150W METAL HALIDE</p>	<p>Compact Base Configuration:</p>	<p>Standard Base Configuration:</p>
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<p>Isometric Key: H BASE SIZE L LENGTH UP TO 120" S FIBER SPACING (0.25", 0.5", & 1") T TAIL LENGTH</p>	<p>Isometric:</p>	<p>Cross Section:</p>
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LIGHTBEAM QUARTER ROUND

Description:
 LightBeam Quarter Round by Fiberstars® makes it possible for you to illuminate along a linear path with the light aimed exactly where you want it and at exactly the right intensity. The light that is directed has no electrical hazard, no ultraviolet rays, and is virtually infra-red free.
 Low profile, linear light fixture. Quarter round shape allows angular light distribution in a standard or compact frame. Available in low, medium or high light intensities. Quality aluminum extrusion of rugged construction.

LBQR						
ordering guide	Lit Length: () SPECIFY INCHES	Tail Length: () SPECIFY FEET	Wash Intensity: H HIGH (0.25" SPACING) M MEDIUM (0.5" SPACING) L LOW (1" SPACING)	Base Size: S STANDARD (1 1/4") C COMPACT (3/4")	Finishes: S STANDARD CLEAR ANODIZED B BLACK ANODIZED	Tail Exit: L LEFT R RIGHT C CUSTOM

<p>Specifications: Beam Spread: 60° Max Lit Lengths: STANDARD SIZE: HIGH INTENSITY 108" (2776MM), MEDIUM AND LOW INTENSITY 120" (3084MM). COMPACT SIZE: HIGH INTENSITY 36" (914MM), MEDIUM INTENSITY 84" (2134MM), LOW INTENSITY 120" (3084MM) Base Sizes: STANDARD SIZE: 1 1/4" QR (31.75MM). COMPACT SIZE: 3/4" QR (19.05MM) Mounting: LB-MB (SEE PAGE 16) OR SIMILAR SURFACE MOUNT. Technical Remarks: LIGHT EMITS 45 DEGREES FROM RIGHT-ANGLE SIDE; OTHER AIMS POSSIBLE BY SPECIAL ORDER. Cable Diameters: STANDARD SIZE: 7/8" MAX. COMPACT SIZE: 9/16" MAX Max Fiber Capacity: 300 FIBERS Max Lamp Wattage: 150W METAL HALIDE</p>	<p>Compact Base Configuration:</p>	<p>Standard Base Configuration:</p>
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<p>Isometric Key: H BASE SIZE L LENGTH UP TO 120" S FIBER SPACING (0.25", 0.5", & 1") T TAIL LENGTH</p>	<p>Isometric:</p>	<p>Cross Section:</p>
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LIGHTFRAME

Description:

LightFrame is specially designed for edge illumination of etched and deep carved transparent panels. LightFrame provides a receiving channel to align fibers to the edge of the panel while offering all the benefits of LightBeam. LightFrame is not intended to be used as a structural support for transparent panels. These panels must be anchored independently of the LightFrame bar. Panel must be monolithic, acrylic, or high-clarity glass (not laminated, float glass, etc.) and surface etched no more than 25%. Light penetration is 12"-24".

LF							
ordering guide	Lit Length: () SPECIFY INCHES	Tail Length: () SPECIFY FEET	Wash Intensity: H HIGH (0.25" SPACING) M MEDIUM (0.5" SPACING) L LOW (1" SPACING)	Base Size: S STANDARD (1") C COMPACT (5/8")	Panel Thickness: A 0.25" THICKNESS B 0.375" THICKNESS C 0.5" THICKNESS D 0.75" THICKNESS (STANDARD BASE ONLY)	Finishes: S STANDARD CLEAR ANODIZED B BLACK ANODIZED	Tail Exit: L LEFT R RIGHT C CUSTOM

Specifications:
Beam Spread: 60° UNTIL ENTERING PANEL, INTERNALLY REFLECTED
Max Lit Lengths: STANDARD SIZE: HIGH INTENSITY 108" (2776MM), MEDIUM AND LOW INTENSITY 120" (3084MM)
 COMPACT SIZE: HIGH INTENSITY 36" (914MM), MEDIUM INTENSITY 84" (2134MM), LOW INTENSITY 120" (3084MM)
Sizes: STANDARD SIZE: 1.01" W x 1.54" H (25.44MM x 39.1MM). PANEL THICKNESS: 0.25", 0.375", 0.5" OR 0.75" (6.35MM, 9.5MM, 12.7MM, 19MM)
 COMPACT SIZE: 0.65" W x 1.175" H (16.5MM x 29.8MM). PANEL THICKNESS: 0.25", 0.375" OR 0.5" (6.35MM, 9.5MM, 12.7MM)
Mounting: PANEL HOLDS FIXTURE; FIXTURE SHOULD NOT SUPPORT PANEL. ADHERE TO PANEL WITH CLEAR SILICONE.
Cable Diameters: STANDARD SIZE: 7/8" MAX
 COMPACT SIZE: 9/16" MAX
Max Fiber Capacity: 300 FIBERS
Max Lamp Wattage: 150W METAL HALIDE

Compact Base Configurations:

Standard Base Configurations:

Isometric Key:
 H BASE SIZE
 L LENGTH UP TO 120"
 S FIBER SPACING (0.25", 0.5", & 1")
 T TAIL LENGTH
 P PANEL THICKNESS

Isometric:

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TRIAxis

Description:

Similar to LightBeam, asymmetrical distribution. The unique design of this light bar has 3 different angles of distribution, 15°, 30° and 35°. This allows a broader wash of light into a display case or similar application.

Case Lighting Recommendations:

- (22) recommended for 24" cases
- (34) recommended for 36" cases
- (46) recommended for 48" cases
- (58) recommended for 60" cases
- (70) recommended for 72" cases

TRX				
ordering guide	Lit Length: () SPECIFY INCHES	Tail Length: () SPECIFY FEET	Finishes: S STANDARD CLEAR ANODIZED	Tail Exit: L LEFT R RIGHT C CUSTOM

Specifications:
Beam Spread: 80° (ASYMMETRIC)
Max Lit Lengths: 120" (3.56M)
Base Sizes: 1.4" x 1.3" (35.56MM x 33MM)
Mounting: LB-MB OR SIMILAR SURFACE MOUNT
Technical Remarks: INTENDED FOR CASE AND CABINET LIGHTING BUT USEFUL WHEREVER A WIDE-DISPERSION, ASYMMETRICAL WASH IS REQUIRED.
Cable Diameters: STANDARD SIZE: 7/8" MAX
Max Fiber Capacity: 300 FIBERS
Max Lamp Wattage: 150W METAL HALIDE

Isometric Key:
 L LENGTH UP TO 120"
 T TAIL LENGTH
 E TAIL EXIT, RIGHT OR LEFT

Isometric:

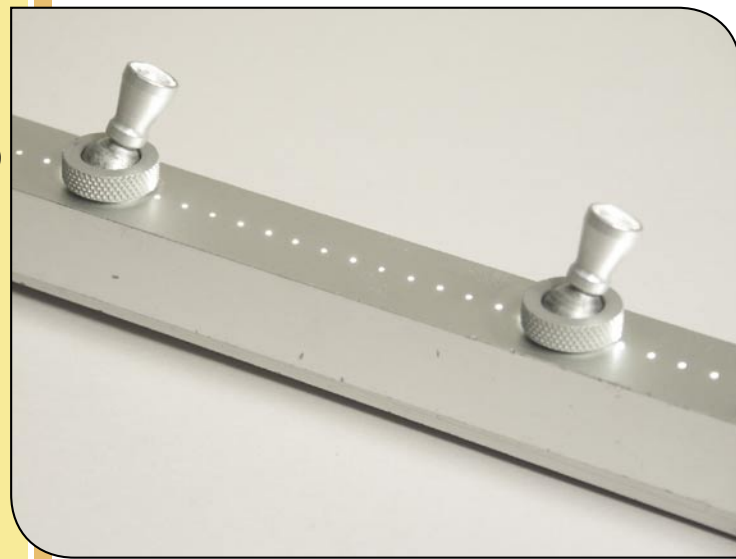
THIS IS THE TOP RIGHT CORNER, USED WHEN DETERMINING THE TAIL EXIT (LEFT TAIL EXIT SHOWN)

Cross Section:

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FOCI

Description:
A LightBeam fixture with adjustable aim spotlights spaced at intervals along the length of the fixture. Foci provides multiple miniature spot lights in a linear array. Unlike other miniature fiber optic spots, each Foci head naturally emits light in a 60° cone. A standard lens fitting adds a 40° soft to hard spot option. Combining an even wash of light with adjustable highlights. Foci brings the drama of the theatre lighting to your display case design.

F							
ordering guide	Lit Length: () SPECIFY INCHES	Tail Length: () SPECIFY FEET	Head Spacing: 3 3" CENTERS 6 6" CENTERS 12 12" CENTERS C SPECIFY SPACING	Wash Intensity: H HIGH (0.25" SPACING) M MEDIUM (0.5" SPACING) L LOW (1" SPACING) Ø NO WASH (FOCI ONLY)	Base Size: S STANDARD	Finishes: S STANDARD CLEAR ANODIZED B BLACK ANODIZED	Tail Exit: L LEFT R RIGHT C CUSTOM

<p>Specifications: Beam Spread: WASH FIBERS 60°; SPOTLIGHTS 40°, 60° WITHOUT LENS Max Lit Lengths: DEPENDS ON INTENSITY OF WASH FIBERS AND QUANTITY OF SPOTLIGHTS Base Sizes: 1.01" W x 2.25" H (25.4MM x 31.75MM) INCLUDING LENS Mounting: LB-MB OR SIMILAR SURFACE MOUNT Technical Remarks: EACH SPOTLIGHT USES 25 STRANDS OF FIBER. Cable Diameters: STANDARD SIZE: 7/8" MAX Max Fiber Capacity: 300 FIBERS Max Lamp Wattage: 150W METAL HALIDE</p>	<p>Lens Adapter Specifications: Material: ALUMINUM Spot: 40° SOFT TO HARD EDGE Finish: CLEAR OR BLACK ANODIZED</p>	<p>Lens Adapter:</p>
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<p>Isometric Key: H HEAD SPACING L LENGTH UP TO 120" S FIBER SPACING (0.25", 0.5", & 1") T TAIL LENGTH</p>	<p>Isometric:</p>	<p>Cross Section:</p>
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FOCAL POINT

Description:
Based on the Foci system, Focal Point fixtures are machined aluminum miniature fiber optic spotlights with a full 50° directional sweep. Unlensed fixtures emit a 60° cone of light and the optional lens fitting delivers a 40° soft to hard edge spot lighting effect. Positioning is controlled by a locking system. Focal Point is a surface mount fixture that may be attached to various substrates by means of provided mechanical fasteners. The fixture, which rotates 360° and tilts 25°, is held in place with an integrated lock ring. No tools are required for aiming.

FP			
ordering guide	Tail Length: (10) 10' (20) 20' (30) 30'	Optional Lens Fitting: (0) NO LENS, 60° DISTRIBUTION 4) 40° LENS, SOFT TO HARD SPOT	Finishes: S STANDARD CLEAR ANODIZED B BLACK ANODIZED

<p>Specifications: Beam Spread: 40° TO 60° WITHOUT LENGTH Sizes: 1.25" D x 1.25" H (30.5MM x 31.75) Mounting: SURFACE MOUNT WITH INCLUDED SCREWS Technical Remarks: ONLY A 5/8" D HOLE IS REQUIRED TO ROUTE THE 1/4" FIBER BUNDLE (INCLUDED WITH FIXTURE) FROM THE FOCAL POINT TO THE ILLUMINATOR. Cable Diameters: 5/16" MAX Max Fiber Capacity: 300 FIBERS Max Lamp Wattage: 150W METAL HALIDE</p>	<p>Lens Adapter Specifications: Material: ALUMINUM Spot: 40° SOFT TO HARD EDGE Finish: CLEAR OR BLACK ANODIZED</p>	<p>Lens Adaptor:</p>
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<p>Elevation:</p>	<p>Plan:</p>
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light bars



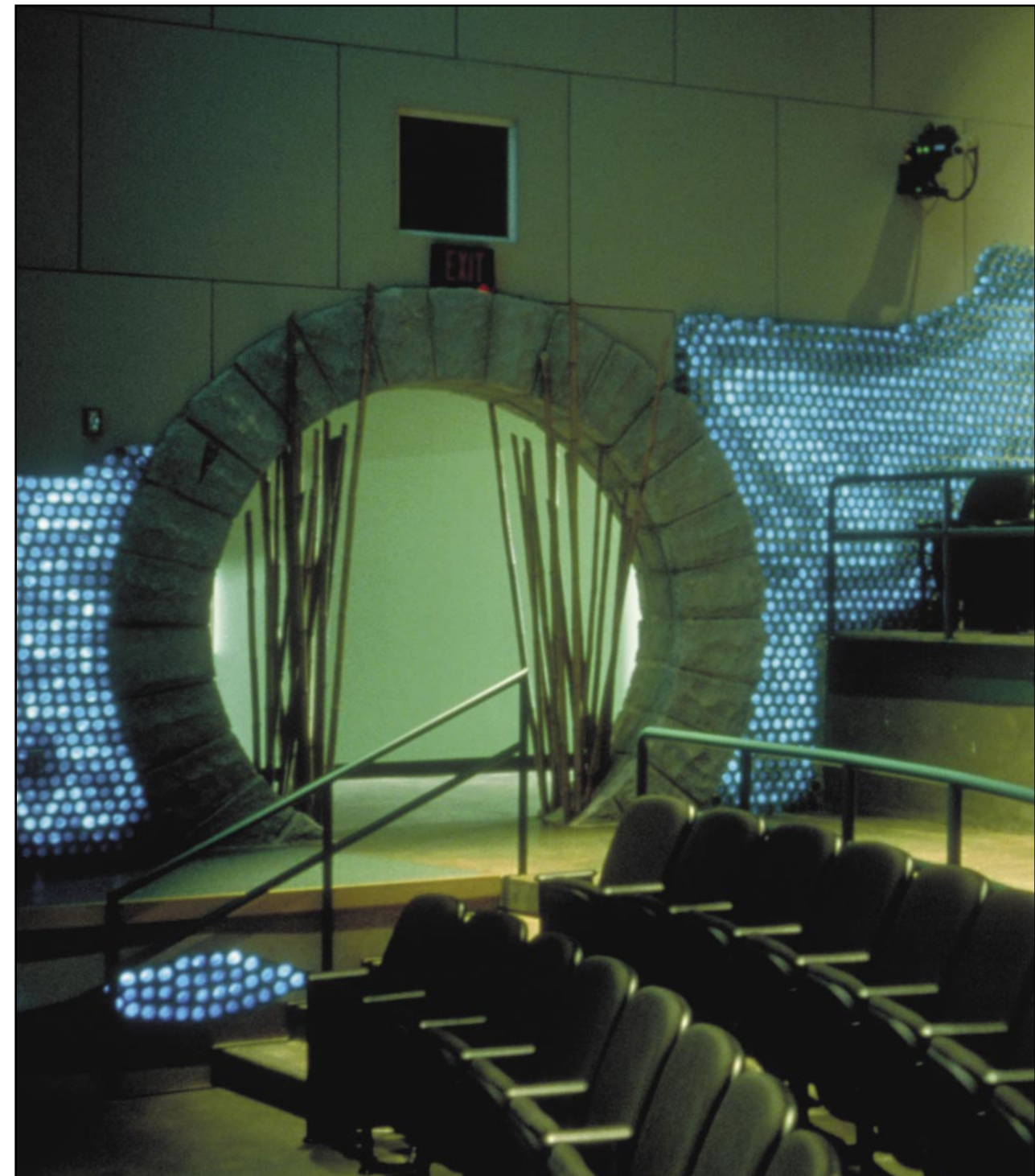
MOUNTING BRACKET

Description:
Used to mount linear extrusion fixture (LB, LBQR, LF, F and TRX). Adhere LB-MB to fixture with adhesive included, then attach LB-MB to structure with appropriate fasteners. Use one LB-MB every 12" (300mm) and one at each end of fixture.

LB-MB	
ordering guide	<p>Finishes: S STANDARD CLEAR ANODIZED B BLACK ANODIZED</p>

Specifications:
Sizes: 1.25" (31.75MM) SQUARE
Mounting: ADHESIVE STRIP INCLUDED

Isometrics:



Project: Atlanta Zoo
Location: Atlanta, Georgia