OUR VALUES push us to pursue excellence in craftsmanship & service.

Trust us to deliver above and beyond whenever you partner with LEDCONN®. We’re ready to blast off to new creative heights with you at a moment’s notice; simply contact us today with your next project to make your vision a reality!

CONTACT US FOR YOUR NEXT PROJECT!

(714) 256-2111  sales@ledconn.com  101 Thor Place  Brea, CA  92821

www.ledconn.com
What started as a dream to provide the finest LED light panels in the market today has evolved into a mission to provide the highest quality service along with premium quality LED lighting solutions. After a decade of perfecting our expertise in creative illumination for retail, architecture, and signage applications worldwide, we're setting our sights to lead the lighting industry with innovative lighting solutions for a new era.

ILLUMINATED FRONT DESK
NATIONAL MUSEUM OF AFRICAN AMERICAN HISTORY & CULTURE | WASHINGTON, D.C.
LUXFIT™ CLASSIC

For more information about LEDCONN® Lighting Solutions, please visit www.ledconn.com. Send an e-mail to sales@ledconn.com or call us at (714)256-2111 for assistance with your next lighting project.
We’re all about engineering a brilliant future that will astound and inspire awe for generations to come. We are LEDCONN®, pioneers in a galaxy of brilliant lights where our products dare to stand the test of time. We are constantly delighting audiences across a multitude of industries within the markets of retail, architecture and signage.

Each of our products is engineered with a personal touch and customized to fit your unique application. We’ve built our entire universe on listening to the needs of our clients and bringing their creative vision to life. We make magic happen with cutting-edge, innovative engineering practices, comprehensive project management, an ever-increasing global reach.

Let’s engineer a brighter future and rock this galaxy together. We’re ready to see your creative ideas take off and leave a lasting echo in the farthest reaches of the lighting universe. Are you ready for the same?
LEDCONN® strives to become the global guru of creative illumination solutions. What drives us every day to innovate newer and more streamlined lighting solutions is the simple desire to bring light to others’ lives, whether that be to benefit our customers or the everyday person admiring our illuminated spaces and solutions in the commercial space.

Since 2008, LEDCONN has been engineering some of the industry’s best LED lighting solutions with the sole purpose of fostering human connections and experiences through lighting in material art form. We streamline the process of vertical integration to assure that our creative partners’ visions are executed as precisely as originally designed. We pride ourselves on being an industry leader providing some of the most knowledgeable, helpful, and engineering-savvy service in the lighting industry today.

Armed with quality UL-certified products, we’d love to help you bring your creative vision to life in the most efficient and beautiful way possible.
GLOBAL OPERATIONS

Our ongoing success has allowed us to expand our territory outside of the USA into the global marketplace, touching clients in Canada, Europe, and Asia. Our global reach includes manufacturing facilities and engineering teams in both California and China, California-based customer support, and supply chain management in China. Our California manufacturing facility can execute both single and mid-size production with customization specific to your needs in a matter of weeks. With ‘Made in California’ capability, we are able to further expedite the production process according to the project urgency, sometimes within days if we have to. And for projects requiring greater international support, our direct, daily communication with our China factory allows us to provide a quick, time-sensitive turnaround rate with reduced logistic costs.

CUSTOMIZATION

When you work with us, all creative freedom goes to you. We offer high flexibility in customized lighting for your specific campaign, which includes custom color temperatures of the LED diodes to the size and shape of the overall concept. We’re great at fitting decorative lighting and backlighting projects into tight spaces, which is a value that our competitors often can’t provide. Our engineering team will work one-on-one with you to give practical advice in order to ensure your ideas come to life.

MYTH CUSTOMIZATION IS TOO EXPENSIVE

We’ll show you how you can customize your projects without breaking the bank. Contact us today to find out how.

96% ON-TIME DELIVERY RATE IN 2017

“LEDCONN and their team of engineers worked out [lighting] solutions that helped us out of difficult situations!”

—James Tung, Owner, James Tung Associates

PROJECT MANAGEMENT

We serve as the touch point for your project every step of the way, from design to execution. You, the client, are our top priority and we want to ensure the highest caliber service in order to return the highest quality product for your project. For all of our unique lighting solutions, we provide comprehensive project management and communicate with all parties involved (designers, architects, and fabricators) to ensure your project gets the attention and care that it deserves. When it comes to power management, safety regulation, or electrical wiring layouts, you can trust our project management team to provide quality product consultation services.

DELIVERING VALUE TO HAPPY CLIENTS AROUND THE WORLD SINCE 2008
LUXURY COSMETIC BRAND
For this luxury cosmetic brand, strong project management and communication with our global team and client were integral to the success of this project. Our priority for this project was to honor the specific requests of the lighting designer, which included ensuring that the stringent requirements for energy efficiency, Energy Code Title 24, were adhered to, and earning the UL 65 Fixture certification. We also worked directly with all involved parties (manufacturers and designers) in order to see this project into fruition.

CHALLENGES Energy Code regulations, intercontinental communication
FEATURED PRODUCTS LUXFIT™ LED Light Panels, LUXLINEAR™ LED Light Tubes, LUXLINE™ LED Light Strips, Dimmer

HIGH-END ELECTRONICS
Product innovation and mass production played a critical role in this project. Knowing that we would be capable of acknowledging and executing this level of customization, this client came to us with their lighting needs. At our client’s request, a rectangular hole needed to be cut into some of the 14 light panels we would provide them for full integration of the LCD screens. These LCD screens needed to be integrated across multiple mediums and shaped to fit perfectly into the project. This high-level of customization also required extra vigilant and careful wiring management for optimal performance and energy-efficiency of the final output. Despite the high demands that this project entailed, we were able to exercise great timing sensitivity and provide professional advice when needed. The result returned a clean, modern, and technologically sophisticated, 2015 OMA award-winning retail display.

CHALLENGES High customization, tight turnaround time
FEATURED PRODUCTS LUXFIT™ LED Light Panels, Wiring Harness, 60W Power Supply

ARCHITECTURAL ENVIRONMENT
For this client, we needed to provide over 90+ LUXFIT™ light panels, all of which were different sizes, as well as requiring damp location treatment that would permit both indoor and outdoor uses (within damp requirements). The design of the overall project contained a unique pattern that entailed perforated metal to mimic the layout of a major Los Angeles freeway, which required us to practice complex wire management. Wires were needed to be cut at a custom length to manage voltage drop, and provide an energy efficient design - a task that we completed delicately and successfully. In spite of all of these unique specifications, we were able to execute this time-sensitive project.

CHALLENGES High customization, mass production, sophisticated wiring design, tight turnaround time
FEATURED PRODUCTS LUXFIT™ LED Light Panels, Dimmer

MUSEUM EXHIBITION
Housed in a century-old historic Buddhist temple in the Arts District of Downtown Los Angeles, the Defining Courage Experience is an interactive exhibit where visitors can plant themselves in the shoes of World War II era Japanese American soldiers. Many of the attractions within the exhibit required vibrant backlighting, to which LEDCONN® was given the privilege of providing LUXFIT™ LED Light Panels. Twenty-nine of these panels were provided to the museum, all of which were custom-made by size to cater to the needs of the exhibit. Several attractions required multiple light panels to be installed together while still maintaining even illumination, a difficult task achieved in part due to our mastery of Optimized Dot Pattern Technology. With our ability to cater to high customization needs, we were able to successfully deliver to an exhibit that has attracted and entertained over 2,500+ visitors since within its few months of opening.

CHALLENGES Maintaining even illumination while tiling multiple LUXFIT™ LED light panels
FEATURED PRODUCTS LUXFIT™ Classic LED Light Panels, 96W Power Supply, splitter, inline dimmers

PROJECT SNAPSHOTs

LUXFIT™ LED Light Panels, Wiring Harness, 60W Power Supply

LUXFIT™ LED Light Panels, LUXLINEAR™ LED Light Tubes, LUXLINE™ LED Light Strips, Dimmer

LUXFIT™ LED Light Panels, Dimmer

LUXFIT™ LED Light Panels, Wiring Harness, 60W Power Supply

LUXFIT™ LED Light Panels, LUXLINEAR™ LED Light Tubes, LUXLINE™ LED Light Strips, Dimmer

LUXFIT™ LED Light Panels, Dimmer

LUXFIT™ LED Light Panels, Wiring Harness, 60W Power Supply
Our Edge-Lit Lighting Solutions feature advanced technology that is designed to provide the brightest indirect illumination possible from the edges of your preferred application. With edge-lit lighting, even, energy-efficient illumination without visible LED diodes or hotspots is possible to achieve. All of our panel products are compatible with edge-lit lighting solutions. Even across long distances, edge-lit lighting is a great way to maintain illumination quality. Whether your desire is to illuminate a compact space, large panels, RGB panels, or even etched graphics, our edge-lit lighting solutions will impress with strong, consistent performance and high customizability.
LUXFIT™ LIGHT PANELS

ULTRA SLIM & CUSTOMIZABLE

Slim in profile and providing bright and even illumination, LEOCONN’s LUXFIT™ line is a revolutionary edge-lit light panel technology designed for highly customized and embedded lighting applications, including accent lighting. Perfect for illuminating compact and narrow spaces, LUXFIT™ maintains an unassuming slim profile, measuring only 1/4”-3/8” thick. LUXFIT™ panels utilize laser-etched dot-pattern technology, allowing face material to be positioned on top with little to no gap while maintaining even illumination.

AVAILABLE TYPES

- LUXFIT™ CLASSIC
- LUXFIT™ RGB
- LUXFIT™ GRAPH
- LUXFIT™ CURVE

* Contact a Project Specialist for inquiries about LUXFIT™ SHAPE for custom shapes and LUXFIT™ DAMP RATED for damp location applications.

QUALITY

- CULUS LISTED
- E477011
- E541676
- 100% QC
- MADE IN USA
- 2 YEAR MANUFACTURER’S WARRANTY

UNIVERSAL APPLICATIONS

- Retail Design
- Interior Design
- Signage
- Illuminated POP Displays
- Accent Lighting
- Embedded Lighting

ILLUMINATED STAIRCASE

LAX TERMINAL 2 (DELTA AIRLINES) | LOS ANGELES, CA

LUXFIT™ CLASSIC (3000K)
LUXFIT™: OPTICALLY-REFINED
DOT PATTERN TECHNOLOGY

LEDCONN's optically-refined Dot Pattern Technology optimizes the quality of light, producing high brightness and evenness. Its higher yield rate compared to V-cutting technology provides more cost-effective solutions.

To distribute the light uniformly, the dots are smaller and widely spread when they are close to the LEDs, and are larger and narrowly spaced when they are farther away from the LEDs. With three decades of experience serving the LCD industry, our engineering team has built the optical design software with database composed of more than 20,000 combination of dimensions and patterns. We can quickly optimize the reflective pattern by filtering parameters in the database, at the same time, reducing development time for custom projects.

A POINTILLIST ART FORM FOR THE FUTURE
LUXFIT™ GRAPH

Our engineering and production teams have mastered our signature Dot Pattern Technology and turned it into an art form! If you’d like to etch an image onto your LUXFIT™ panel, we can make it happen by manipulating the dots during the laser etching process. The result is our innovative LUXFIT™ GRAPH laser-etched light panels.

Create your own LUXFIT™ GRAPH masterpiece today!
Contact a Project Specialist for more information.

THE PERFECT FIT
LUXFIT™ CUSTOMIZATION

NO TWO STARS ARE ALIKE, AND NEITHER ARE LIGHTING PROJECTS.
WE CUSTOMIZE ALL SHAPES AND SIZES WITHOUT BREAKING THE BANK.

We’ve refined the art and science of customization so that you won’t burn a hole in your pocket. Our Project Managers love to help you with your unique project & budget needs.

LUXFIT™ GRAPH IS PERFECT FOR
Retail Displays • Exhibits • Hospitality • Portraits

CUSTOMIZE IT WITH LUXFIT™ SHAPE
Circle • Oval • Triangle • Uneven Shape

CREATIVE TIP
For truly creative illumination ideas, consider using LUXFIT™ with translucent surface materials such as Duratrans, backlit vinyl, fabric, onyx, glass, acrylic & more!
BIGGER IS BETTER

GRAND FORMAT ILLUMINATION

INTRODUCING MULTI-PANEL TILING

Multi-Panel Tiling Makes it Possible!

Though the maximum dimensions of a single LUXFIT™ LED Light Panel are 60” x 120”, grand format illumination is easily achieved by introducing Multi-Panel Tiling to tile LUXFIT™ light panels side-by-side. Our team is ready to provide support to ensure that your large format illumination project is installed properly & meets electrical requirements.

A minor air gap between the panels and face materials is recommended to conceal the seams where tiled panels join together.

What are Air Gaps?

When panels join together, they create a center line of light. To conceal this line, a minor air gap must be factored between the light panels and face materials to conceal the seam joins where tiled panels join together. The size of the air gap may be adjusted depending on the translucency of the selected face materials or diffusers.

AIR GAPS ARE IMPORTANT!

The distance between the graphic & the light panel makes a difference.

Two panels tiled together
- Creates a center line of light

Graphic directly on top of panel
- Center line of light is obvious

Graphic w/1” air gap above panel
- Center line of light is diminished

BEFORE AFTER

GRAND FORMAT SUCCESS STORY

PROJECT SNAPSHOT

Versace® Fabric Light Boxes Powered By LUXFIT™ CLASSIC Light Panels

Final Dimensions 10’ x 6’
Graphic Material Fabric
Total Power Consumption 200 W

To achieve the required final oversize dimensions, we tiled 5 panels sized individually at 2’ x 6’. An airgap of 1” between the fabric graphic and LUXFIT™ light panel was factored in to prevent the appearance of a center line of light.

CREATIVE TIP

To visualize your desired lighting effects, conduct a mock-up with the selected face materials to determine the measurement of the needed air gap.

POPULAR TRANSLUCENT MATERIALS

ILLUMINATE THESE & MANY MORE WITH LUXFIT™

Duratrans Vinyl Fabric Onyx Translucent Stone Glass Acrylic Resin

EDGE-LIT
EDGE-LIT LIGHTING

LUXFIT™
CLASSIC

TECHNOLOGY
Optically Refined Dot Pattern Technology
A cost-effective technology providing brighter, more even lighting with a much higher yield rate than standard V-cutting technology.

CUSTOMIZATION
• Custom Sizes
• Custom Shapes - Circles, Ovals & Uneven Shapes
• Single or Double-Sided Illumination
• Custom Brightness
• Max. Size, Single Panel - 5ft x 10ft (1.52m x 3.04m)
• Larger Sizes Achieved by Assembling Multiple Units

CERTIFICATION
UL Listed E477011 (low voltage luminaires)
UR Recognized E341676 (sign accessories manual)
CE EN 60950-1

DIFFUSERS
- Milky white acrylic
- Diffused film

POWER SUPPLY
Input Voltage - 12VDC & 24VDC
Connector Type
- DC barrel jack
- Hardwire
- Other connectors

DIMMING
- Pulse-width modulation (PWM)
- 0-10V dimming
- Magnetic low voltage (MLV)

TRANSLUCENT ILLUMINATION
LUXFIT™ is a great way to light up translucent materials, such as onyx, marble, quartz, and more!

Contact us for more compatible materials!
Ask about our diffusers for a dot-free look.

STANDARD PANEL SPECS
LUXFIT™ CLASSIC

COLOR TEMPERATURES (CCT)
- Warm White 3000K
- Neutral White 4100K
- Daylight 5300K
- Cool White 6500K

OPTIONS
- Backlighting
- Signage & Cabinets
- Fabric Light Boxes
- Grand Format Illumination
- Damp Location Available

ITEM NO. PANEL DIMENSIONS LED LOCATION BRIGHTNESS POWER ADAPTER
X1620 16" X 20" X 1/4" 406mm x 508mm x 6mm 2 SHORT EDGES 3000 lux 12 W 12VDC/2A
X1824 18" X 24" X 1/4" 457mm x 610mm x 6mm 2 SHORT EDGES 3000 lux 13 W 12VDC/2A
X2228 22" X 28" X 1/4" 559mm x 711mm x 6mm 2 SHORT EDGES 3000 lux 21 W 12VDC/3A
X2424 24" X 24" X 1/4" 610mm x 610mm x 6mm 2 LONG EDGES 21 W 12VDC/3A
X2436 24" X 36" X 1/4" 610mm x 914mm x 6mm 2 LONG EDGES 25 W 12VDC/3A
X3040 30" X 40" X 1/4" 762mm x 1016mm x 6mm 2 LONG EDGES 28 W 12VDC/4A

FOR COMPATIBLE POWER SUPPLIES, FLIP TO PP.104-110

UNIQUE APPLICATIONS
- Backlighting
- Signage & Cabinets
- Fabric Light Boxes
- Grand Format Illumination
- Damp Location Available

www.ledconn.com
EDGE-LIT LIGHTING

LUXFIT™ RGB

ENDLESS RGB COLOR COMBINATIONS. THE ONLY LIMIT IS YOUR IMAGINATION!

TECHNOLOGY
Optically Refined Dot Pattern Technology
A cost-effective technology providing brighter, more even lighting with a much higher yield rate than standard V-cutting technology.

CUSTOMIZATION
• Custom Sizes
• Custom Shapes: Circles, Ovals & Uneven Shapes
• Single or Double-Sided Illumination
• Custom Brightness
• Max. Size, Single Panel: 94 x 101 (2.90m x 3.04m)
• Larger Sizes Achieved by Assembling Multiple Units

CERTIFICATION
UL Listed E477011 (low voltage lumaires)
UR Recognized E341676 (sign accessories manual)
CE EN 60598-3

DIFFUSERS
• Milky white acrylic
• Diffused film

POWER SUPPLY
Input Voltage: 12VDC
Connector Type
• Hardwire
• Other connectors

COMPATIBLE CONTROL
• DMX control
• Wi-Fi controller for smart devices
• Radio Frequency (RF) remote control
• 0-10V

UNIQUE APPLICATIONS
• Backlighting
• Signage & Cabinets
• Fabric Light Boxes
• Grand Format Illumination
• Stage & Entertainment
• Damp Location Available

ENDLESS RGB COLOR COMBINATIONS. THE ONLY LIMIT IS YOUR IMAGINATION!

PANEL WITH EMBEDDED LED STRIP

LED
Channel for LED Strip
PMMA Acrylic
Optical-Grade

Flexible PCB
Reflective Film

STANDARD PANEL PROFILE

LED
Reflective Tape
PMMA Acrylic
Optical-Grade

PCB
Aluminum Heat Sink
Reflective Film
Back Board

Overall Thickness
0.31" (8mm)
ANATOMY OF A LUXFIT™ PANEL

Slim, compact design

Our LUXFIT™ panels utilize a special line of LUXLINE™ LED strips designed specifically to meet the edge-lit lighting needs of our slim panels. A reflective layer behind the panel reflects all the light to the surface of the panel, ensuring the brightest illumination possible. We also recommend a series of optional diffusers to help conceal the dots from our LUXFIT™ High Transmission Light Guide Panels for applications where cosmetic appearance is a concern. To prevent overheating, an aluminum heat sink is built-in to dissipate excess heat for optimal performance.

STAY AHEAD OF THE CURVE WITH LUXFIT™ CURVE

LUXFIT™ CURVE is a creative way to add interest to a square design. Contact a Project Specialist for more information.

LUXFIT™ LIGHT PANEL PART NUMBER

<table>
<thead>
<tr>
<th>PRODUCT LINE</th>
<th>X</th>
<th>3040</th>
<th>V</th>
<th>D</th>
<th>B</th>
<th>O</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXAMPLE</td>
<td>X3040VDBO</td>
<td>LUXFIT™</td>
<td>30&quot; X 40&quot;</td>
<td>5300K</td>
<td>DIFFUSED FILM</td>
<td>DC BARREL</td>
</tr>
</tbody>
</table>

FOR DAMP LOCATION ONLY!

CONNECTOR
- A DC BARREL JACK + ADAPTER
- B DC BARREL JACK
- M MOLEX®
- H HARDWIRE
- C SPECIAL

APPLICATION TYPE (OPTIONAL)
- O DAMP LOCATION (OMIT IF N/A)

COLOR TEMPERATURE (CCT)
- W 6500K
- V 5300K
- Y 4100K
- Z 3000K
- T TRICOLOR (RGB)
- A ADJUSTABLE (TUNABLE WHITE)
- C CUSTOM CCT

DIFFUSER
- D DIFFUSED FILM
- A DIFFUSED ACRYLIC
- N NON-DIFFUSED

DIMENSIONS (IN INCHES)
- LLWW LENGTH X WIDTH (VARIES)

PRODUCT LINE
- X LUXFIT™ CLASSIC
- XG LUXFIT™ GRAPH
- XC LUXFIT™ SHAPE
- XR LUXFIT™ ROUND
- XB LUXFIT™ CURVE
For oversized fabric light boxes, we offer Perimeter Power LED Lighting, our most powerful edge-lit lighting solution to date. This edge-lit lighting solution features a high lumen output with an optically-focused narrow viewing angle enabling light to travel across farther distances for large scale illumination. With excellent diffusion, and an energy-efficient, low input voltage, Perimeter Power LED Lighting is tomorrow’s edge-lit lighting for today’s most powerful custom lighting applications.

**AVAILABLE BAR LENGTHS**

- **8.60” (219mm)** SHORT
- **14.37” (365mm)** MEDIUM

**KEY FEATURES**

- OUTSTANDING BRIGHTNESS
- SPECIAL LENS FORCED LIGHT BEAM
- PLUG & PLAY
- EASY TO INSTALL & MAINTAIN
- EASY TO REPLACE
- EASY TO REPLACE
- 100% QC
- MANUFACTURER’S WARRANTY
PERIMETER POWER LIGHT BARS

LIGHTING
LED Count & Strip Length
- Short: 3 LEDs, 8.60" (219mm)
- Medium: 5 LEDs, 14.37" (365mm)

Strip Width 0.98" (25mm)
Beam Angle 15x60°/6x90°
Lamp Life 50,000+ hours

INSTALLATION
Mounting
- Screws
- Heat Sink Required
Environment
- Indoor/dry location

POWER SUPPLY
Input Voltage 24V
Connector Type
- Molex®
- DC Barrel Jack
- Hardwire

DIMMING
- Pulse-width modulation (PWM)
- 0-10V dimming
- Magnetic low voltage (MLV)

SIZE CCT POWER MAX LOAD (36W) CRI EFFICACY BEAM ANGLE LUMINOUS FLUX
Short 1000K Warm White 7.92 W/light bar 12 sticks 70+ 77 lm/W 15x60°/6x90° 610 lm/light bar
Medium 4100K Neutral White 13.2 W/light bar 6 sticks 70 77 lm/W 15x60°/6x90° 1020 lm/light bar

PERIMETER POWER LIGHT BAR PART NUMBER

EXAMPLE
BUILD IT!

PRODUCT LINE
- 09 SHORT 8.6" (219mm)
- 14 MEDIUM 14.37" (365mm)

COLOR TEMPERATURE (CCT)
- 6500K
- 5300K
- 4000K
- 3000K
- CUSTOM CCT

CONNECTOR
- B DC BARREL JACK
- M MOLEX
- H HARDWARE
- C SPECIAL

EXAMPLE
BUILD IT!

PERIMETER POWER LIGHT BAR DIAGRAM*  
*Not drawn to scale

PERIMETER LIGHT BAR - SHORT 8.60" (219mm)
PERIMETER LIGHT BAR - MEDIUM 14.37" (365mm)
BACKLIGHTING

Evenly illuminate your lighting design from behind with any of our slim, custom LED backlighting solutions. Whether your backlighting need is for a grand format solution or for a small 2”x4” piece, we offer an array of solutions that will help enliven your retail and architectural spaces so that your product or architectural creation stands out as the focal point. Our engineers and project specialists are always available to provide quality product consultations tailored to address the needs of your desired application.

LUXMESH™ LED LATTICE P.33-36

LUXFLEX™ LED FLEXIBLE SHEET (PREMIUM/STANDARD) P.37-40

LUXFIT™ CLASSIC P.19-22
LUXMESH™
LATTICE LIGHTING

POWERFULLY BRIGHT ILLUMINATION

Designed to meet both the needs of large format illumination and high brightness levels, LUXMESH™ LED Lattice is the right choice for interior spaces or grand scale graphics backlighting. Available in 3 roll widths and easily installed 3"-5" from an illuminated surface, this innovation features great brightness measured at 800+ lm/ft² and an optical lens with a wide beam angle of 160°.

AVAILABLE STICK LENGTHS

<table>
<thead>
<tr>
<th>SHORT</th>
<th>MEDIUM</th>
<th>LONG</th>
</tr>
</thead>
<tbody>
<tr>
<td>9½ (241mm)</td>
<td>19½ (499mm)</td>
<td>37½ (959mm)</td>
</tr>
</tbody>
</table>

KEY FEATURES

- OPTIMAL COLOR RENDERING
- OUTSTANDING BRIGHTNESS
- CONTOURS FOR SIMPLE CURVES
- WIDE BEAM ANGLE
- CUSTOM ROLL LENGTHS

QUALITY

- UL LISTED
- 100% QC
- MANUFACTURER’S WARRANTY
**LUXMESH™ LED LATTICE**

**LIGHTING**
- **LED Chip**: Nichia 3030 LED
- **No. Sticks per Roll**: 10 sticks (standard)

**INSTALLATION**
- Mounting: 
  - Screws
  - Double-sided foam tape
- IP Rating: **IP60**
- Environment: Indoor applications
- *EXTERIOR applications (IP65) available upon request.*

**POWER SUPPLY**
- **Input Voltage**: 24VDC
- **Connector Type**: 
  - Molex®
  - Hardwire

**DIMMING**
- **Options**: 
  - Pulse-width modulation (PWM)
  - 0-10V dimming
  - Magnetic low voltage (MLV)

**LUXMESH™ LATTICE PART NUMBER**

<table>
<thead>
<tr>
<th>PRODUCT LINE</th>
<th>LUXMESH™ LED LATTICE</th>
<th>ROLL LENGTH (MULTIPLES OF 6 ONLY)</th>
<th>COLOR TEMPERATURE (CCT)</th>
<th>CONNECTOR</th>
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</thead>
<tbody>
<tr>
<td>M3872WM</td>
<td>6500K M</td>
<td>38 72 W</td>
<td>W</td>
<td>M Molex®</td>
</tr>
</tbody>
</table>

**CCT | LUMINOUS FLUX**

<table>
<thead>
<tr>
<th>CCT</th>
<th>LUMINOUS FLUX</th>
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</thead>
<tbody>
<tr>
<td>4100K Neutral White</td>
<td>1182 lm/ft 3992 lm/m</td>
</tr>
<tr>
<td>5300K Daylight</td>
<td>1182 lm/ft 3992 lm/m</td>
</tr>
<tr>
<td>6500K Cool White</td>
<td>1182 lm/ft 3992 lm/m</td>
</tr>
</tbody>
</table>

**MIX & MATCH 3 BAR SIZES**

<table>
<thead>
<tr>
<th>STICK WIDTH</th>
<th>ROLL LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-1/2&quot; (241mm)</td>
<td>320 lm/m 86.5 lm/W 3.7 W/stick 24 sticks</td>
</tr>
<tr>
<td>19-1/4&quot; (489mm)</td>
<td>650 lm/m 86.7 lm/W 7.5 W/stick 12 sticks</td>
</tr>
<tr>
<td>37-3/4&quot; (959mm)</td>
<td>1300 lm/m 15.0 W/stick 6 sticks</td>
</tr>
</tbody>
</table>

**UNLIMITED COMBINATIONS & LENGTHS**

- Link LED sticks horizontally or vertically without limit

**BUILD IT!**

- PRODUCT LINE/PROFILE
- STICK WIDTH
- ROLL LENGTH (MULTIPLES OF 6 ONLY)
- COLOR TEMPERATURE (CCT)
- CONNECTOR
LUXFLEX™ FLEXIBLE SHEET

THIN & FLEXIBLE BACKLIGHTING

For curvy, space-sensitive backlighting solutions requiring the thinnest of lighting solutions, we provide LUXFLEX™ LED Flexible Sheets. These sheets are great for backlighting projects where a lighting solution that is both thin and bendable may be needed to fit into soft, curving surfaces and spaces. Great for projects of many shapes and sizes, LUXFLEX™ may be tiled for grand format illumination or cut into pieces as small as 2” x 4” to meet the needs of your specific application.

AVAILABLE SHEETS

- STANDARD 12” x 24” sheet
  304.8mm x 609.6mm
- PREMIUM 12” x 24” sheet
  304.8mm x 609.6mm

QUALITY

- UL LISTED
- 100% QC
- 2 YEAR MANUFACTURER’S WARRANTY

DIVERSE APPLICATIONS

- Luminous Ceilings & Walls
- Indoor Ad Signage
- Outdoor Ad Signage
- Advertising Screens
- Backlit Signage
- ...And Many More!

KEY FEATURES

- STRONG COLOR RENDERING
- OUTSTANDING BRIGHTNESS
- FLEXIBLE PCB BOARD
- WIDE BEAM ANGLE
- CUSTOM LENGTHS
- TILE SHEETS FOR GREATER COVERAGE
**LUXFLEX™ FLEXIBLE SHEET**

**PARAMETERS**
- **LED Count:** 288 LEDs/sheet
- **Sheet Thickness:**
  - Sheet only: 0.02” (0.51mm)
  - LED height: 0.04” (1mm)
  - Connector height: 0.31” (8mm)
- **Sheet Dimensions:** 12” x 24” (609.6mm x 304.8mm)
- **Lamp Life:** 60,000+ hours

**INSTALLATION**
- **Field Cuttable:**
  - 2” x 4” (50.8mm x 101.6mm)
  - Supports vertical & horizontal cuts
- **Mounting:**
  - 3M Adhesive Tape
  - Screws
- **Environment:**
  - Indoor/outdoor
  - Indoor location (LUXFLEX™ Standard & Premium)
  - Outdoor location (LUXFLEX™ Premium only)

**POWER SUPPLY**
- **Input Voltage:** 24VDC
- **Connector Type:** Molex®

**DIMMING**
- Pulse-width modulation (PWM)
- 0-10V dimming
- Magnetic low voltage (MLV)

**LUXFLEX™ FLEXIBLE SHEET PART NUMBER**

**EXAMPLE**

<table>
<thead>
<tr>
<th><strong>FB1224WM</strong></th>
<th><strong>FB</strong></th>
<th><strong>1224</strong></th>
<th><strong>W</strong></th>
<th><strong>M</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PRODUCT LINE/PROFILE</strong></td>
<td><strong>DIMENSIONS (LENGTH X WIDTH)</strong></td>
<td><strong>COLOR TEMPERATURE (CCT)</strong></td>
<td><strong>CONNECTOR</strong></td>
<td></td>
</tr>
<tr>
<td>LUXFLEX™ STANDARD</td>
<td>12” x 24”</td>
<td>6500K</td>
<td>DC BARREL JACK</td>
<td></td>
</tr>
<tr>
<td>LUXFLEX™ PREMIUM</td>
<td></td>
<td></td>
<td>Molex®</td>
<td></td>
</tr>
</tbody>
</table>

**PRODUCT LINE**
- **FS** — LUXFLEX™ STANDARD
- **FS** — LUXFLEX™ PREMIUM

**DIMENSIONS (IN INCHES)**
- **LL** — LENGTH (VARIES)
- **W** — WIDTH
- **V** — 6500K
- **Y** — 5500K
- **Z** — 4000K

**CCT SHEET TYPE EFFICACY BEAM ANGLE LUMINOUS FLUX POWER SHEET (pc 2” x 4’)**

<table>
<thead>
<tr>
<th>CCT</th>
<th>SHEET TYPE</th>
<th>EFFICACY</th>
<th>BEAM ANGLE</th>
<th>LUMINOUS FLUX</th>
<th>POWER SHEET (W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000K</td>
<td>STANDARD</td>
<td>103 lm/W</td>
<td>120°</td>
<td>1780 lm/sheet</td>
<td>17.28 W/sheet</td>
</tr>
<tr>
<td></td>
<td>PREMIUM</td>
<td>102 lm/W</td>
<td>120°</td>
<td>2650 lm/sheet</td>
<td>25.92 W/sheet</td>
</tr>
<tr>
<td>4100K</td>
<td>STANDARD</td>
<td>114 lm/W</td>
<td>120°</td>
<td>1980 lm/sheet</td>
<td>17.28 W/sheet</td>
</tr>
<tr>
<td></td>
<td>PREMIUM</td>
<td>112 lm/W</td>
<td>120°</td>
<td>2900 lm/sheet</td>
<td>25.92 W/sheet</td>
</tr>
<tr>
<td>5300K</td>
<td>STANDARD</td>
<td>125 lm/W</td>
<td>120°</td>
<td>2160 lm/sheet</td>
<td>17.28 W/sheet</td>
</tr>
<tr>
<td></td>
<td>PREMIUM</td>
<td>122 lm/W</td>
<td>120°</td>
<td>3160 lm/sheet</td>
<td>25.92 W/sheet</td>
</tr>
<tr>
<td>6500K</td>
<td>STANDARD</td>
<td>132 lm/W</td>
<td>120°</td>
<td>2280 lm/sheet</td>
<td>17.28 W/sheet</td>
</tr>
<tr>
<td></td>
<td>PREMIUM</td>
<td>132 lm/W</td>
<td>120°</td>
<td>3420 lm/sheet</td>
<td>25.92 W/sheet</td>
</tr>
</tbody>
</table>

**KEY**
- S — Sheet Type
- V — Operating Voltage
- P — Center-to-Center Pitch
- C — Cut Section Dimensions
- T — Sheet Thickness
- # — No. LEDs per Cut Section

*Not drawn to scale*
LINEAR LIGHTING

For architectural grade lighting solutions that never fail to illuminate or impress, look no further than our Linear Lighting Family. LUXLINE™ LED Strips and LUXNEON™ Silicone Flex are flexible, customizable, and available in an array of strip widths and color temperatures to meet the needs of your desired custom application. And our LUXLINEAR™ LED Tubes provide the finishing touch, concealing the strips powering these tubes. So light up those tight spaces with our slim lighting solutions to create an impact that will fill your architectural spaces with brilliant illumination.

LUXLINE™ LED STRIP

P.43-60

2016/182/5
P.45-46
2835R/120/8
P.47-48
2835R0/84/8
P.49-50
2835/288/22
P.51-52
3528/120/8-TUNABLE WHITE
P.53-54
3528H/90/5
P.55-56
3528/84/6-RGB
P.57-58

LUXLINEAR™ LED TUBE

P.61-68

NORMAL (PROFILE 1715)
P.63
LOW (PROFILE 1707)
P.64
SLIM (PROFILE 1008)
P.65
CORNER (PROFILE 1919)
P.66
ROUND (PROFILE 2019)
P.67

LUXNEON™ SILICONE FLEX

P.69-72
LUXLINE™ LIGHT STRIPS

CUT, FLEX & CURVE

A cost-effective lighting solution with the highest quality illumination and an outstanding color rendering index of 90+, LUXLINE™ LED Strip Lighting is very versatile in application with specialized implementation in small, compact areas and illuminated custom shapes. LUXLINE™ may be used for both straight and curved applications to fit your desired retail merchandising, POP, architectural, or signage application. LUXLINE™ is available in multiple strip widths to better accommodate the customization needs of space-sensitive applications.

AVAILABLE STRIP WIDTHS

<table>
<thead>
<tr>
<th>Width</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.20” 5mm</td>
<td></td>
</tr>
<tr>
<td>0.24” 6mm - RGB</td>
<td></td>
</tr>
<tr>
<td>0.31” 8mm</td>
<td></td>
</tr>
<tr>
<td>0.31” 8mm - Tunable</td>
<td></td>
</tr>
<tr>
<td>0.87” 22mm</td>
<td></td>
</tr>
</tbody>
</table>

*Contact a Project Specialist for inquiries about outdoor applications and additional strip widths as slim as 4mm.

QUALITY

- UL Listed
- 100% QC
- 5 Year Manufacturer’s Warranty

UNIVERSAL APPLICATIONS

- Promotional Graphics
- Retail Displays
- Trade Shows & Exhibits
- Signage
- Under Cabinet Lighting
- Illuminated POP Displays
- Ambient Lighting
- Architectural Lighting
- Showcases & Bookshelves
- Path & Contour Marking
- Indoor Accent Lighting

HOTEL HALLWAY

4100K NEUTRAL WHITE (CONCEPT)
LUXLINE™ LIGHT STRIP (2835R/120/8)
LINEAR LIGHTING: LED STRIP

LUXLINE™

2016/182/5

LIGHTING

LED Count 49 pc/ft (182 pc/m)
Strip Width 0.20” (5mm)
Roll Length 16 ft 3/8” (5m)
Lamp Life 54,000+ hours

INSTALLATION

Field Cuttable 1.52” (38.5mm), every 7 LEDs
Mounting Options

○ 3M Adhesive Tape
○ Magnets
Heat Sink Not required
Environment Indoor/dry location

POWER SUPPLY

Input Voltage 24VDC
Connector Type

○ Molex®
○ DC Barrel Jack
○ Hardwire

DIMMING

○ Pulse-width modulation (PWM)
○ 0-10V dimming
○ Magnetic low voltage (MLV)

COMPATIBLE WITH
All LUXLINEAR™ LED Tube Lighting Profiles
(see pp.61-68 for details)

UNIQUE FEATURES

OPTIMAL COLOR RENDERING
WIDE BEAM ANGLE
CONSISTENT LIGHT COLOR
SLIM WIDTH

LED STRIP CUTTING DIAGRAM*

*Not drawn to scale

24V

Strip Width 0.2” (5mm)

Cutting Length 1.52” (38.5mm), 7 LEDs

LED Pitch 0.22” (5.5mm)
Strip Thickness 0.09” (2.2mm)

KEY

S Strip Type
V Operating Voltage
P Center-to-Center Pitch
C Cutting Length
W Strip Width
# No. LEDs per Cutting Length

<table>
<thead>
<tr>
<th>S</th>
<th>V</th>
<th>P</th>
<th>C</th>
<th>W</th>
<th>#</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>24V</td>
<td>0.22” (5.5mm)</td>
<td>1.52” (38.5mm)</td>
<td>0.20” (5mm)</td>
<td>7</td>
</tr>
</tbody>
</table>

CCT | CRI | EFFICACY | BEAM ANGLE | LUMINOUS FLUX | POWER |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3000K Warm White</td>
<td>84.5 lm/W</td>
<td>241 lm/ft (790 lm/m)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3250K Warm White</td>
<td>290</td>
<td>86.7 lm/W</td>
<td>120°</td>
<td>247 lm/ft (810 lm/m)</td>
<td>2.85 W/ft (9.36 W/m)</td>
</tr>
<tr>
<td>4100K Neutral White</td>
<td>90 lm/W</td>
<td>256 lm/ft (840 lm/m)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**LINEAR LIGHTING: LED STRIP**

**LUXLINE™ 2835R/120/8**

**LIGHTING**
- **LED Count**: 36 pc/ft (120 pc/m)
- **Strip Width**: 0.31" (8mm)
- **Roll Length**: 16 ft 3/8" (5m)
- **Lamp Life**: 54,000+ hours

**INSTALLATION**
- **Field Cuttable**
  - 12V: 0.99" (25mm), every 3 LEDs
  - 24V: 1.97" (50mm), every 6 LEDs
- **Mounting Options**
  - 3M Adhesive Tape
  - Magnets
- **Heat Sink**: Not required
- **Environment**: Indoor/dry location

**POWER SUPPLY**
- **Input Voltage**: 12VDC, 24VDC
- **Connector Type**
  - Molex®
  - DC Barrel Jack
  - Hardwire

**DIMMING**
- Pulse-width modulation (PWM)
- 0-10V dimming
- Magnetic low voltage (MLV)

**UNIQUE FEATURES**
- Optimal Color Rendering
- Wide Beam Angle
- Consistent Light Color
- slim width

**COMPATIBLE WITH**
Many LUXLINEAR™ LED Tube Lighting Profiles
(see pp. 61-68 for details)

**LED STRIP CUTTING DIAGRAM**
*Not drawn to scale*

**POWER SUPPLY**
- **Input Voltage**: 12VDC, 24VDC
- **Connector Type**
  - Molex®
  - DC Barrel Jack
  - Hardwire

**DIMMING**
- Pulse-width modulation (PWM)
- 0-10V dimming
- Magnetic low voltage (MLV)

**UNIQUE FEATURES**
- Optimal Color Rendering
- Wide Beam Angle
- Consistent Light Color
- slim width

**COMPATIBLE WITH**
Many LUXLINEAR™ LED Tube Lighting Profiles
(see pp. 61-68 for details)
LINEAR LIGHTING: LED STRIP

LUXLINE™
2835R0/84/8

LIGHTING
LED Count 25 pc/ft (84 pc/m)
Strip Width 0.31” (8mm)
Roll Length 16 ft 3/8” (5m)
Lamp Life 60,000+ hours

INSTALLATION
Field Cuttable
- 12V: 1.41” (35.7mm), every 3 LEDs
- 24V: 2.81” (71.4mm), every 6 LEDs
Mounting Options
- 3M Adhesive Tape
- Magnets
Heat Sink Not required
Environment Indoor/dry location

POWER SUPPLY
Input Voltage 12VDC, 24VDC
Connector Type
- Molex®
- DC Barrel Jack
- Hardwire

DIMMING
- Pulse-width modulation (PWM)
- 0-10V dimming
- Magnetic low voltage (MLV)

S | V | P | C1 | C2 | W | #
---|---|---|----|----|----|---
12V | 0.47” (11.9mm) | 1.46” (37.2mm) | 1.41” (35.7mm) | 0.31” (8mm) | 3
24V | 2.87” (72.9mm) | 2.81” (71.4mm) | 0.31” (8mm) | 6

CCT | CRI | RB | EFFICACY | BEAM ANGLE | LUMINOUS FLUX | POWER
---|----|----|----------|------------|---------------|------
3000K | 86 lm/W | 175 lm/ft (575 lm/m)
4100K | 94 lm/W | 193 lm/ft (633 lm/m) | 2.05 W/ft (6.72 W/m)
5300K | 102 lm/W | 210 lm/ft (690 lm/m)
6500K

COMPATIBLE WITH
Many LUXLINEAR™ LED Tube Lighting Profiles
(see pp.61-68 for details)

Not drawn to scale.
LINEAR LIGHTING: LED STRIP

LUXLINE™
2835H3/288/22

LIGHTING

LED Count 364 pc/yr (288 pc/m)
Strip Width 0.87” (22mm)
Roll Length 16 ft 3/8” (5m)
Lamp Life 54,000+ hours

INSTALLATION

Field Cuttable 3.25” (83mm), every 24 LEDs
Mounting Options

- 3M Adhesive Tape
- Magnets

Heat Sink Required
Environment Indoor/dry location

POWER SUPPLY

Input Voltage 24VDC
Connector Type

- Molex®
- DC Barrel Jack
- Hardwire

DIMMING

- Pulse-width modulation (PWM)
- 0-10V dimming
- Magnetic low voltage (MLV)

LED STRIP CUTTING DIAGRAM*

*Not drawn to scale

UNIQUE FEATURES

- Optimal Color Rendering
- Wide Beam Angle
- Consistent Light Color
- High Efficacy

UNIQUE APPLICATIONS

- Retail Environments
- General Office Lighting
- Corporate Buildings

COMPATIBLE WITH

- LUXBEAM™ LED Linear (see pp.99-103 for details)

<table>
<thead>
<tr>
<th>CCT</th>
<th>CRI</th>
<th>EFFICACY</th>
<th>BEAM ANGLE</th>
<th>LUMINOUS FLUX</th>
<th>POWER</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000K</td>
<td>90</td>
<td>109 lm/W</td>
<td>120°</td>
<td>871 lm/ft</td>
<td>7.9 W/ft</td>
</tr>
<tr>
<td>4100K</td>
<td>90</td>
<td>120 lm/W</td>
<td>120°</td>
<td>1187 lm/ft</td>
<td>26 W/ft</td>
</tr>
<tr>
<td>5300K</td>
<td>90</td>
<td>150 lm/W</td>
<td>120°</td>
<td>1187 lm/ft</td>
<td>26 W/ft</td>
</tr>
<tr>
<td>6500K</td>
<td>90</td>
<td>120 lm/W</td>
<td>120°</td>
<td>1187 lm/ft</td>
<td>26 W/ft</td>
</tr>
</tbody>
</table>
**LINEAR LIGHTING: LED STRIP**

**LUXLINE™**

**3528/120/8 - TUNABLE WHITE**

**LIGHTING**
- **LED Count**: 36 pc/ft (120 pc/m)
- **Strip Width**: 0.31” (8mm)
- **Roll Length**: 15 ft 1-7/16” (4m)
- **Lamp Life**: 50,000+ hours

**INSTALLATION**
- **Field Cuttable**: 1.96” (50mm), every 6 LEDs
- **Mounting Options**:
  - 3M Adhesive Tape
  - Magnets
- **Heat Sink**: Not required
- **Environment**: Indoor/dry location

**POWER SUPPLY**
- **Input Voltage**: 24VDC
- **Connector Type**:
  - Molex®
  - DC Barrel Jack
  - Hardwire

**COMPATIBLE CONTROL**
- **Pulse-width modulation (PWM)**
- **0-10V dimming**
- **Magnetic low voltage (MLV)**

---

**UNIQUE FEATURES**

**COMPATIBLE WITH**
- TUNABLE WHITE
- WIDE BEAM ANGLE
- SLIM WIDTH

**UNIQUE APPLICATIONS**
- Offices & Commercial Spaces
- Stage & Entertainment

**COMPATIBLE WITH**
- Many LUXLINEAR™ LED Tube Lighting Profiles
  (see pp.61-68 for details)

---

**LED STRIP CUTTING DIAGRAM**
*Not drawn to scale*

**KEY**
- **S**: Strip Type
- **V**: Operating Voltage
- **P**: Center-to-Center Pitch
- **C**: Cutting Length - Strip to Strip
- **W**: Strip Width
- **#**: No. LEDs per Cutting Length

**CCT** | **CRI** | **EFFICIENCY** | **BEAM ANGLE** | **LUMINOUS FLUX** | **POWER**
--- | --- | --- | --- | --- | ---
2700K-6500K | 90 | 43 lm/W | 120° | 253 lm/ft (830 lm/m) | 5.85 W/ft (19.2 W/m)

---

**LIGHTING LED Count**
- **36 pc/ft (120 pc/m)**

**Strip Width**
- **0.31” (8mm)**

**Roll Length**
- **15 ft 1-7/16” (4m)**

**Lamp Life**
- **50,000+ hours**

**INSTALLATION**
- **Field Cuttable**: 1.96” (50mm), every 6 LEDs
- **Mounting Options**:
  - 3M Adhesive Tape
  - Magnets
- **Heat Sink**: Not required
- **Environment**: Indoor/dry location

**POWER SUPPLY**
- **Input Voltage**: 24VDC
- **Connector Type**:
  - Molex®
  - DC Barrel Jack
  - Hardwire

**COMPATIBLE CONTROL**
- **Pulse-width modulation (PWM)**
- **0-10V dimming**
- **Magnetic low voltage (MLV)**

---

**UNIQUE FEATURES**

**COMPATIBLE WITH**
- TUNABLE WHITE
- WIDE BEAM ANGLE
- SLIM WIDTH

**UNIQUE APPLICATIONS**
- Offices & Commercial Spaces
- Stage & Entertainment

---

**LED STRIP CUTTING DIAGRAM**
*Not drawn to scale*
LINEAR LIGHTING: LED STRIP

LUXLINE™ 3528H/90/5

LIGHTING
- LED Count: 27 pc/ft (90 pc/m)
- Strip Width: 0.20" (5mm)
- Roll Length: 16 ft 3/8" (5m)
- Lamp Life: 54,000+ hours

INSTALLATION
- Field Cuttable: 1.30" (33mm), every 3 LEDs
- Mounting Options
  - 3M Adhesive Tape
  - Magnets
- Heat Sink: Not required
- Environment: Indoor/dry location

POWER SUPPLY
- Input Voltage: 12VDC
- Connector Type
  - Molex®
  - DC Barrel Jack
  - Hardwire

DIMMING
- Pulse-width modulation (PWM)
- 0-10V dimming
- Magnetic low voltage (MLV)

UNIQUE FEATURES
- Strong Color Rendering
- Wide Beam Angle
- Consistent Light Color
- Slim Width

UNIQUE APPLICATIONS
- Backlighting Panels
- Channel & Plane Letters

COMPATIBLE WITH
- All LUXTLNEAR™ LED Tube Lighting Profiles
  (see pp. 61-68 for details)

LED STRIP CUTTING DIAGRAM
*Not drawn to scale

KEY
- S: Strip Type
- V: Operating Voltage
- P: Center-to-Center Pitch
- C: Cutting Length - Strip to Strip
- W: Strip Width
- #: No. LEDs per Cutting Length

CCT | CRI | EFFICACY | BEAM ANGLE | LUMINOUS FLUX | POWER
---|---|---|---|---|---
3000K | 80 | 93.66 lm/W | 120° | 192 lm/ft (630 lm/m) | 2.05 W/ft (6.72 W/m)
4100K | 80 | 93.66 lm/W | 120° | 192 lm/ft (630 lm/m) | 2.05 W/ft (6.72 W/m)
5300K | 80 | 93.66 lm/W | 120° | 192 lm/ft (630 lm/m) | 2.05 W/ft (6.72 W/m)
6500K | 80 | 93.66 lm/W | 120° | 192 lm/ft (630 lm/m) | 2.05 W/ft (6.72 W/m)
Red | N/A | 57.34 lm/W | 120° | 129 lm/ft (424 lm/m) | 2.25 W/ft (7.38 W/m)
Green | N/A | 43.56 lm/W | 120° | 98 lm/ft (322 lm/m) | 2.25 W/ft (7.38 W/m)
Blue | N/A | 20 lm/W | 120° | 46 lm/ft (148 lm/m) | 2.25 W/ft (7.38 W/m)
LINEAR LIGHTING: LED STRIP

LUXLINE™

3528/84/6 - RGB

LIGHTING

LED Count 25 pc/ft (84 pc/m)
Strip Width 0.24” (6mm)
Roll Length 16 ft 3/8” (5m)
Lamp Life 60,000+ hours

INSTALLATION

Field Cuttable 1.40” (35.6mm), every 3 LEDs
Mounting Options
- 3M Adhesive Tape
- Magnets
Heat Sink Not required
Environment Indoor/dry location

POWER SUPPLY

Input Voltage 12VDC
Connector Type
- Hardwire
- Molex®

COMPATIBLE CONTROL

- DMX control
- Wi-Fi control for smart devices
- Radio frequency (RF) remote control
- 0-10V

UNIQUE FEATURES

UNIQUE APPLICATIONS
- Stage & Entertainment

COMPATIBLE WITH
Many LUXLINEAR™ LED Tube Lighting Profiles
(see pp.61-68 for details)

LED STRIP CUTTING DIAGRAM*
*Not drawn to scale

<table>
<thead>
<tr>
<th>S</th>
<th>V</th>
<th>P</th>
<th>C1</th>
<th>C2</th>
<th>W</th>
<th>#</th>
</tr>
</thead>
<tbody>
<tr>
<td>3528RGB</td>
<td>12V</td>
<td>0.47” (11.9mm)</td>
<td>1.48” (37.6mm)</td>
<td>1.40” (35.6mm)</td>
<td>0.24” (6mm)</td>
<td>3</td>
</tr>
</tbody>
</table>

CCT EFFICACY BEAM ANGLE LUMINOUS FLUX POWER

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>RGB Combined</td>
<td>75 lm/W</td>
<td>152 lm/ft (502 lm/m)</td>
<td>6.15 W/ft (20.16 W/m)</td>
</tr>
<tr>
<td>Red 625nm</td>
<td>22 lm/W</td>
<td>44 lm/ft (145 lm/m)</td>
<td></td>
</tr>
<tr>
<td>Green 525nm</td>
<td>43 lm/W</td>
<td>88 lm/ft (290 lm/m)</td>
<td>2.05 lm/ft (6.72 lm/m)</td>
</tr>
<tr>
<td>Blue 465nm</td>
<td>10 lm/W</td>
<td>20 lm/ft (67 lm/m)</td>
<td></td>
</tr>
</tbody>
</table>
LUXLINE™ LIGHT STRIP PART NUMBER

BUILD IT!

EXAMPLE
U84VN-2835R

PRODUCT LINE
U  LUXLINE™ LED LIGHT STRIP

LENGTH (IN INCHES)
84

COLOR TEMPERATURE (CCT)
W 6500K
V 5300K
Y 4100K
Z 3000K
T TRICOLOR (RGB)
A ADJUSTABLE (TUNABLE WHITE)
R RED
G GREEN
B BLUE
C CUSTOM CCT

LENS
N NO LENS

SET (OPTIONAL)
-x2set SET (OMIT IF N/A)
-LED
-2016 2016/622/5 (5mm)
-2835R 2835R/120/8 (8mm)
-28356R 2835R/64/8 (8mm)
-2835H3 2835H3/288/22 (22mm)
-3528R 3528R/90/5 (5mm)
-3528 3528/120/6 - TUNABLE WHITE (6mm)
& 3528/64/6 - RGB (6mm)

COVE LIGHTING
5000K WARM WHITE (CONCEPT)
LUXLINE™ LIGHT STRIP

LINEAR LIGHTING
LUXLINEAR™ LIGHT TUBES

EYE-CATCHING, VIBRANT ILLUMINATION

For a clean, sophisticated look, we recommend LUXLINEAR™ LED Tube Lighting, the ideal lighting solution for architectural and retail environments. To provide the highest quality lighting, LUXLINEAR™ emits a single pure beam of light and comes with various diffuser lens options and profiles. LUXLINEAR™ can be used to illuminate both narrow and wide spaces, adding a modern touch to applications spanning from cove to shelf lighting.

AVAILABLE PROFILES

- NORMAL 1715
- LOW 1707
- SLIM 1008
- CORNER 1919
- ROUND 2019

*Special profiles available upon request. Contact a Project Specialist for more information.

QUALITY

- UL Listed
- E477011
- 100% QC
- 5 Year Manufacturer’s Warranty

UNIVERSAL APPLICATIONS

- Under Cabinet Lighting
- Retail Store Fixtures
- Showroom Lighting
- Accent Lighting
- Cabinetry & Millwork
- Backlighting
- Retail & POP Display
- Showcase Lighting
- Bookcase Lighting

KEY FEATURES

- SLIM WIDTH
- CUSTOM LENGTHS
**LUXLINEAR™ NORMAL 1715**

**DIMENSIONS**
- Channel Width: 0.48" (12.2mm)
- Cross-Section & Mounting Clips: 0.78" (19.9mm) x 0.66" (16.7mm)
- Mounting Clips: 0.78" (19.9mm) x 0.59" (15mm) x 0.35" (8.9mm)

**TUBE OPTIONS**
- Lens: Frosted, Clear, No lens
- Color: Silver, Custom Color

**SECTION VIEW**
- Mounting Clip

**COMPATIBLE LUXLINE™ STRIPS**
- **STRIP TYPE**
  - LUXLINE® 2835L *
  - LUXLINE® 2835SH *
  - LUXLINE® 2016
  - LUXLINE® 3528H
  - LUXLINE® 3528 (RGB)
  - LUXLINE® 2835R
  - LUXLINE® 2835RO
  - LUXLINE® 3528 (Tunable White)
- **WIDTH**
  - 0.16" (4mm)
  - 0.20" (5mm)
  - 0.24" (6mm)
  - 0.31" (8mm)

*Available upon request

---

**LUXLINEAR™ LOW 1707**

**DIMENSIONS**
- Channel Width: 0.48" (12.2mm)
- Cross-Section & Mounting Clips: 0.75" (19mm) x 0.34" (8.6mm)
- Mounting Clips: 0.75" (19mm) x 0.47" (12mm) x 0.34" (8.7mm)

**TUBE OPTIONS**
- Lens: Frosted, Clear, No lens
- Color: Silver, Custom Color

**SECTION VIEW**
- Mounting Clip

**COMPATIBLE LUXLINE™ STRIPS**
- **STRIP TYPE**
  - LUXLINE® 2835L *
  - LUXLINE® 2835SH *
  - LUXLINE® 2016
  - LUXLINE® 3528H
  - LUXLINE® 3528 (RGB)
  - LUXLINE® 2835R
  - LUXLINE® 2835RO
  - LUXLINE® 3528 (Tunable White)
- **WIDTH**
  - 0.16" (4mm)
  - 0.20" (5mm)
  - 0.24" (6mm)
  - 0.31" (8mm)

*Available upon request
LINEAR LIGHTING: LED TUBE

LUXLINEAR™
SLIM 1008

DIMENSIONS

Channel Width: 0.25\(\text{" (6.3mm)}\)
Cross-Section & Mounting Clips: 0.41\(\text{" (10.3mm) \times 0.43\" (11mm)}\)
Extrusion Only: 0.39\(\text{" (9.8mm) \times 0.33\" (8.3mm)}\)
Mounting Clips: 0.47\(\text{" (11.8mm) \times 0.55\" (14mm) \times 0.34\" (8.6mm)}\)

TUBE OPTIONS

Lens
- Frosted
- Clear
- No lens

Color
- Silver
- Custom Color

LINEAR LIGHTING: LED TUBE

LUXLINEAR™
CORNER 1919

DIMENSIONS

Channel Width: 0.44\(\text{" (11.2mm)}\)
Cross-Section & Mounting Clips: 0.78\(\text{" (19.7mm) \times 0.81\" (20.7mm)}\)
Extrusion Only: 0.75\(\text{" (19.1mm) \times 0.75\" (19.1mm)}\)
Mounting Clips: 0.76\(\text{" (19.4mm) \times 0.47\" (12mm) \times 0.31\" (8mm)}\)

TUBE OPTIONS

Lens
- Frosted
- Clear
- No lens

Color
- Silver
- Custom Color

- Fits snugly into corners
- Provides focused lighting at a 45° angle

COMPATIBLE LUXLINE™ STRIPS

<table>
<thead>
<tr>
<th>STRIP TYPE</th>
<th>WIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>LUXLINE™ 2835L*</td>
<td>0.16&quot; (4mm)</td>
</tr>
<tr>
<td>LUXLINE™ 2835H*</td>
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</tr>
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<td>LUXLINE™ 2016</td>
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</tr>
<tr>
<td>LUXLINE™ 3528H</td>
<td>0.24&quot; (6mm)</td>
</tr>
</tbody>
</table>

*Available upon request
LUXLINEAR™ LIGHT TUBE PART NUMBER

EXAMPLE

| PRODUCT LINE/PROFILE | LENGTH | COLOR TEMPERATURE (CCT) | LENS | CONNECTOR | LED STRIP TYPE | ARRANGEMENT
|-----------------------|--------|--------------------------|------|-----------|----------------|--------------
| T84WAB-2835R          | T      | 84                       | W    | A         | B-2835R        | N            |

BUILD IT!

PRODUCT LINE/PROFILE

COLOR TEMPERATURE (CCT)

LENS

CONNECTOR

LED STRIP TYPE

ARRANGEMENT

LUXLINEAR™ MOUNTING CLIP PART NUMBER

EXAMPLE

<table>
<thead>
<tr>
<th>ZTC-LT/CT</th>
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</tr>
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</table>

BUILD IT!

PRODUCT LINE

PROFILE

LUXLINEAR™ MOUNTING CLIP

SECTION VIEW

MOUNTING CLIP

COMPATIBLE LUXLINE™ STRIPS

STRIP TYPE | WIDTH
---|---
• LUXLINE™ 2835L* | 0.16" (4mm)
• LUXLINE™ 2835H* | 0.20" (5mm)
• LUXLINE™ 2016 | 0.20" (5mm)
• LUXLINE™ 3528H | 0.24" (6mm)
• LUXLINE™ 2835R | 0.31" (8mm)
• LUXLINE™ 2835RO | 0.31" (8mm)
• LUXLINE™ 3528 (RGB) | 0.31" (8mm)
*Available upon request

LUXLINEAR™ LIGHT TUBE PART NUMBER

EXAMPLE

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SECTION VIEW

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PRODUCT LINE

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• LUXLINE™ 2835RO | 0.31" (8mm)
• LUXLINE™ 3528 (RGB) | 0.31" (8mm)
*Available upon request
LUXNEON™ FLEXIBLE NEON LIGHTS

DOT-FREE, NEON-LIKE ILLUMINATION

Say goodbye to yesterday’s cumbersome neon lighting technologies and say hello to LUXNEON™ LED Flexible Neon Tube Lighting, designed for today’s modern architectural and signage applications. With LUXNEON™ you can bend and flex these beautiful neon tubes and contour them to any decorative architectural application. LUXNEON™ contours to fit to your desired application and is easy to use with a simple plug. Although LUXNEON™ looks like neon, it is so much safer and easier to install than traditional neon lighting.

AVAILABLE COLORS

- WARM 3000K
- NEUTRAL 4100K
- DAYLIGHT 5300K
- COOL 6500K
- YELLOW
- RED
- BLUE
- GREEN

QUALITY

- UL Approved
- 100% QC
- Manufacturer’s Warranty
- Consistent Light Color

KEY FEATURES

- Bend & Flex
- Custom Lengths
- V-2 Flame Retardant (UL94)
- Authentic Silicone Body
- UV Safe
- Cuttable
- Plug & Play
- IP68 Dust & Temporary Immersion Safe

DIVERSE APPLICATIONS

- Architectural Lighting
- Cove Lighting
- Contour Illumination
- Channel Letters
- Advertising Signage
- ...And Many More!
LINEAR LIGHTING: LED NEON

**LUXEON™ SILICONE “S” FLEX**

**PARAMETERS**

- **LED Count**: 33 pc/ft (112 pc/m)
- **Roll Length**: 13 ft 1-7/16" (4m)
- **Tube Cross-Section**: 0.96" (24.5mm) x 0.46" (11.7mm)
- **Tube w/End Cap**: 1.05" (26.6mm) x 0.62" (15.8mm)

**INSTALLATION**

- **Field Cuttable**: 2" (51mm)
- **Flat Bend**: 1" (25mm)
- **Mounting**: Mounting clips
- **Environment**: Indoor/Outdoor*

*EXTERIOR applications (IP67) available upon request.

**LIGHT SOURCE**

- **Lamp Life**: 60,000+ hours
- **Dimming**
  - Pulse-width modulation (PWM)
  - 0-10V dimming
  - Magnetic low voltage (MLV)

**POWER SUPPLY**

- **Input Voltage**: 24VDC
  - Molex®
  - DC Barrel Jack
  - Hardwire

**UNIQUE FEATURES**

- **WIDE BEAM ANGLE**
- **LENGTH (IN INCHES)**
  - LL LENGTH (VARIES)
- **COLOR EFFICACY BEAM ANGLE LUMINOUS FLUX POWER**

**LUXEON™ SILICONE FLEX PART NUMBER**

**EXAMPLE**

- **PRODUCT LINE**: NS
- **LENGTH**: 24" (LL Varies)
- **COLOR**: 6500K 625nm
- **DIFFUSED OPTION**: A FROSTED SILICONE
- **CONNECTOR**: B DC BARREL JACK

**BUILD IT!**

- **PRODUCT LINE**: NS
- **LENGTH**: 24" (LL Varies)
- **COLOR**: 6500K 625nm
- **DIFFUSED OPTION**: A FROSTED SILICONE
- **CONNECTOR**: B DC BARREL JACK

www.ledconn.com
LIGHT BOXES

For architectural and marketing solutions that really make an impact, we offer various profiles designed to meet the needs of the given application. Whether your goal is to create an illuminated ceiling or wall, or add illuminated LED signage for the retail environment, we have got you covered. Our current LED light box lineup includes our gorgeous Fabric Light Boxes as well as our versatile SOA™ snap-open LED light boxes. Regardless of the chosen application, both types of lightboxes are a great long-term investment because they allow for easy graphics interchanges so your creativity can shine brightly on display for any seasonal campaign or permanent installation.

SOA™ LIGHT BOX
PROFILE D P. 77-78
PROFILE E P. 79-80

FABRIC LIGHT BOX
PROFILE 45 P. 87
PROFILE 100 P. 88
PROFILE 120 P. 89
PROFILE 200 P. 80

FABRIC ACCESSORIES
DISPLAY ACCESSORIES P. 92
TV MOUNTS P. 93
REQUIRED HARDWARE P. 94
SOA™ LIGHT BOXES

STATE-OF-THE-ART SNAP FRAME

Enliven your next marketing campaign and in-store merchandising display with our contemporary and energy-efficient SOA™ LED Light Boxes, powered by LUXFIT™ LED Light Panels. With a consistent brightness measured at 3000 lux, the Classic Series (Profile D), powered by LUXFIT™ LED Light Panel technology, features impeccably even illumination, a vibrant graphic output, and an easy-to-use snap-open aluminum frame for quick graphics changes. We also offer our Profile E series for illuminated graphics wider than 30” with brightness equivalent to Profile D.

AVAILABLE PROFILES

<table>
<thead>
<tr>
<th>PROFILE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>Classic Series, powered by LUXFIT™ LED Light Panel technology</td>
</tr>
<tr>
<td>E</td>
<td>For illuminated graphics wider than 30” with brightness equivalent to Profile D</td>
</tr>
</tbody>
</table>

POPULAR COLORS

- Sith Black
- Black Hole
- Milky Way White
- Moon Grey
- Crater Grey
- Mars Red
- Mercury Blue

QUALITY

- UL LISTED
- 100% QC
- MADE IN USA
- MANUFACTURER’S WARRANTY

KEY FEATURES

- Frameless Design
- Even Lighting, No Dark Spots
- Custom Frame Colors
- Dimmable
- Hanging
- Quick Graphics Changes
- Universal Applications
- Promotional Graphics
- Retail Displays
- Trade Shows & Exhibits
- Signage
- Quick-Serve Restaurants
- Big Box Retail

UNIVERSAL APPLICATIONS
SOA™ LIGHT BOX

PROFILE

FRAME
Material: Anodized aluminum
Snap Open Mechanism: On all 4 sides
Depth*: 5/8” (16mm)
*Depth is ADA Compliant

FINISH
Standard: Black or silver
Custom Colors: Powder coating available (See p.76 for more information.)

GRAPHIC
6 Standard Sizes: See p.78
Custom Sizes: Max. 60" x 120" (1524mm x 3048mm)

ELECTRICAL
Operating Voltage: 12V, 24V
Dimming:
- Pulse-width modulation (PWM)
- 0-10V dimming
- Magnetic low voltage (MLV)

MOUNTING
Orientation: Portrait or landscape
Method: Pre-drilled key holes for convenient wall mounting

Hanging Options:
- D rings
- D rings & chain
- D rings & aviation cable

UNIQUE APPLICATIONS
- Wall Mount
- Hanging

COMPATIBLE LIGHT SOURCE
- LUXFIT™ Classic
- LUXFIT™ RGB

COLOR TEMPERATURES (CCT)
- Warm White: 3000K
- Cool White: 6500K
- Daylight: 5300K
- Neutral White: 4100K

STANDARD SIZES: PROFILE D

SOA™ LIGHT BOX

Creative Tip
Keyhole orientation allows for easy landscape & portrait hanging!

Creative Tip
Plug & Play
4 FOR COMPATIBLE POWER SUPPLIES, FLIP TO PP.104-110

www.ledconn.com

SNAP FRAME GRAPHIC AREA

Frame Width
Graphic Size + 1-1/2" (38mm)

Frame Height
Graphic Size + 1-1/2" (38mm)

Visual Width
Graphic Size - 1" (25mm)

Visual Height
Graphic Size - 1" (25mm)

ITEM NO. GRAPHIC SIZE VISUAL AREA PERIMETER DIMENSIONS BRIGHTNESS POWER
D1620 16" x 20"
406mm x 508mm 15" x 19"
381mm x 483mm 17 1/2" x 21 1/2" x 5/8"
444mm x 544mm x 16mm 3000 lux 12 W
D1824 18" x 24"
457mm x 610mm 17" x 23"
432mm x 585mm 19 1/2" x 25 1/2" x 5/8"
495mm x 648mm x 16mm 3000 lux 15 W
D2228 22" x 28"
559mm x 711mm 21" x 27"
534mm x 686mm 23 1/2" x 29 1/2" x 5/8"
597mm x 749mm x 16mm 3000 lux 21 W
D2424 24" x 24"
610mm x 610mm 23" x 23"
597mm x 597mm 25 1/2" x 25 1/2" x 5/8"
648mm x 648mm x 16mm 3000 lux 21 W
D2436 24" x 36"
610mm x 914mm 23" x 35"
597mm x 899mm 25 1/2" x 37 1/2" x 5/8"
648mm x 952mm x 16mm 3000 lux 25 W
D3040 30" x 40"
762mm x 1016mm 29" x 39"
737mm x 991mm 31 1/2" x 41 1/2" x 5/8"
800mm x 1054mm x 16mm 3000 lux 28 W

* TOLERANCE ±1/8” (3mm)
* PERIMETER DIMENSIONS = GRAPHIC SIZE + 1-1/2" (38mm)
* VISUAL AREA = GRAPHIC SIZE - 1" (25mm)

TOLERANCE +/- 1/8” (3mm)
PERIMETER DIMENSIONS = GRAPHIC SIZE + 1 1/2" (38mm)
VISUAL AREA = GRAPHIC SIZE - 1" (25mm)
COLOR TEMPERATURES (CCT)
Warm White 3000K
Neutral White 4100K
Cool White 6500K
Daylight 5300K

FOR COMPATIBLE POWER SUPPLIES, FLIP TO PP.104-110
SOA™ LIGHT BOX

PROFILE

FRAME
Material: Anodized aluminum
Snap Open Mechanism: On all 4 sides
Depth*: 7/8” (22mm)
*Depth is ADA Compliant

FINISH
Standard: Black
Custom Colors: Powder coating available
(See p.76 for more information)

GRAPHIC
3 Standard Sizes: See p.80
Custom Sizes: Max. 60” X 120” (1524mm X 3048mm)

ELECTRICAL
Operating Voltage: 24V

MOUNTING
Orientation: Portrait or landscape
Method: Front access wall mount
Hanging Options:
  - O rings
  - O rings & chain
  - O rings & aviation cable

OPTIONS
Dimming:
  - Pulse-width modulation (PWM)
  - 0-10V dimming
  - Magnetic low voltage (MLV)

RGB: Request LUXFIT™ RGB (pp.23-24) to give your SOA™ light box a unique razzle-dazzle appeal

Tunable White: Request tunable white to control color temperature.

UNIQUE APPLICATIONS
Wall Mount
Hanging

COMPATIBLE LIGHT SOURCE
LUXFIT™ Classic
LUXFIT™ RGB

SNAP FRAME GRAPHIC AREA

STANDARD SIZSES: PROFILE E

SOA™ LIGHT BOX

ITEM NO. GRAPHIC SIZE VISUAL AREA PERIMETER DIMENSIONS BRIGHTNESS POWER
E3648 36” X 48” 34 1/2” X 46 1/2” 37 1/2” X 49 1/2” X 7/8” 3000 lux 69 W
E4872 48” X 72” 46 1/2” X 70 1/2” 49 1/2” X 73 1/2” X 7/8” 104 W
E4896 48” X 96” 46 1/2” X 94 1/2” 49 1/2” X 97 1/2” X 7/8” 138 W

* TOLERANCE +/- 1/8” (3mm)
* PERIMETER DIMENSIONS = GRAPHIC SIZE + 1 1/2” (38mm)
* VISUAL AREA = GRAPHIC SIZE - 1 1/2” (38mm)

COLOR TEMPERATURES (CCT)
- Warm White
- 3000K
- Cool White
- 6500K
- Daylight
- 5300K
- Neutral White
- 4100K

FOR COMPATIBLE POWER SUPPLIES, FLIP TO PP.104-110

www.ledconn.com
ANATOMY OF A SOA™ LIGHT BOX

Our SOA™ Light Boxes are simply constructed & designed for many years of quick graphics changes.

Your Duratrans graphic print is placed in front of the LUXFIT light guide panel and snugly snapped into an aluminum snap frame for easy graphics interchanges. We offer 2 profiles, D and E, which cater to small to medium-size and large applications respectively.

SOA™ LIGHT BOX PART NUMBER

EXAMPLE

D1620VDHK

BUILD IT!

PRODUCT LINE PROFILE
D SOA™ PROFILE D
E SOA™ PROFILE E

DIMENSIONS (IN INCHES)
LENGTH X WIDTH (VARIES)

COLOR TEMPERATURE (CCT)
W 6500K
V 5300K
Y 4100K
Z 3000K
T TRICOLOR (RGB)*
A ADJUSTABLE (TUNABLE WHITE)*
C CUSTOM CCT

DIFFUSERS
D DIFFUSED FILM
A DIFFUSED ACRYLIC
N NON-DIFFUSED

CONNECTOR
A DC BARREL JACK + ADAPTER
B DC BARREL JACK
M MOLEX®
H HARDWIRE

FRAME COLOR
S SILVER
K BLACK
C CUSTOM COLOR

*PROFILE E ONLY
FABRIC LIGHT BOXES

SEAMLESS ILLUMINATION

Coupling backlighting and edge-lighting technology with a sleek, frameless design, our energy-efficient Fabric Light Boxes will brightly and evenly illuminate your graphics with outstanding brightness, evenness, and longevity for maximum ROI. Our Fabric Light Boxes come in 4 unique profiles that are designed to meet the needs of many common hanging, mounted, and freestanding display applications. Fully customizable and designed for quick graphics interchanges, just plug it in and watch your graphics come to life.

AVAILABLE PROFILES

- PROFILE 45
- PROFILE 100
- PROFILE 120
- PROFILE 200

POPULAR COLORS

- Sith Black
- Black Hole
- Milky Way
- White
- Moon Gray
- Crater Gray
- Mars Red
- Mercury Blue

QUALITY

- UL Listed
- MADE IN USA
- 2 Year Manufacturer’s Warranty

UNIVERSAL APPLICATIONS

- Retail Displays
- Airports
- Trade Shows
- Offices
- Restaurants
- Museums

KEY FEATURES

- Quick Graphics Changes
- Frameless Design
- Outstanding Brightness
- No Dark Spots
- Custom Frame Colors
- Custom Sizes
- Plug & Play
- Energy Efficient
Our Fabric Light Box profiles are compatible with multiple light sources and designed with specific applications. Take a look below to see which profile best suits your application needs.

<table>
<thead>
<tr>
<th>LIGHT SOURCES</th>
<th>PROFILE 45</th>
<th>PROFILE 100</th>
<th>PROFILE 120</th>
<th>PROFILE 200</th>
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</thead>
<tbody>
<tr>
<td>LUXFIT™ CLASSIC</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td></td>
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<tr>
<td>LUXFIT™ RGB</td>
<td>●</td>
<td>●</td>
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</tr>
<tr>
<td>LUXFLEX™ FLEXIBLE SHEET</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td></td>
</tr>
<tr>
<td>LUXMESH™ LATTICE</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td></td>
</tr>
<tr>
<td>WALL MOUNT</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td></td>
</tr>
<tr>
<td>FREESTANDING</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td></td>
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<tr>
<td>DOUBLE-SIDED</td>
<td>●</td>
<td></td>
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<tr>
<td>HANGING</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td>DAISY CHAIN</td>
<td>●</td>
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<td>●</td>
</tr>
</tbody>
</table>

**Options**

- **DOUBLE-SIDED**
- **HANGING**
- **DAISY CHAIN**

**Light Box Profiles**

- **PROFILE 45**
- **PROFILE 100, 120**
- **PROFILE 120, 200**

**Light Sources Options**

- **Graphic LUXFIT™ Light Panel**
- **Perimeter LUXMESH™ LATTICE**
- **Class 2 remote power supply**
- **Class 2 power supply**
- **Wall Mount**
- **Freestanding**
- **Double-Sided**
- **Hanging**
- **Daisy Chain**

**All Fabric Profiles**

*PROFILE 45 is chained uniquely. Inquire for more info.*
FACTOR LIGHT BOX

PROFILE 45

FRAME
Depth 1.77” (45mm)

FINISH
Standard Silver anodized aluminum
Custom Color Powder coating available

FABRIC
Print Process Digital dye-sublimation

ELECTRICAL
Operating Voltage 12V, 24V

UNIQUE FEATURES
• Warm White 3000K
• Cool White 6500K
• Daylight 5300K
• Neutral White 4100K

UNIQUE APPLICATIONS
• Wall Mount

COMPATIBLE LIGHT SOURCE
• LUXFIT™ Classic
• LUXFIT™ RGB
• LUXFLEX™ Flexible Sheet

OPTIONS
• Color Temperatures (CCT)

COLOR TEMPERATURES (CCT)
- Neutral White 4100K
- Cool White 6500K
- Daylight 5300K

FACTOR LIGHT BOX

PROFILE 100

FRAME
Depth 4” (100mm)

FINISH
Standard Silver anodized aluminum
Custom Color Powder coating available

FABRIC
Print Process Digital dye-sublimation

ELECTRICAL
Operating Voltage 24V

UNIQUE FEATURES
• Warm White 3000K
• Cool White 6500K
• Daylight 5300K
• Neutral White 4100K

UNIQUE APPLICATIONS
• Wall Mount
• Hanging

COMPATIBLE LIGHT SOURCE
• LUXFIT™ Classic
• LUXFIT™ RGB
• Perimeter Power Light Bars
• LUXFLEX™ Flexible Sheet

OPTIONS
• Color Temperatures (CCT)

COLOR TEMPERATURES (CCT)
- Neutral White 4100K
- Cool White 6500K
- Daylight 5300K

www.ledconn.com
**FABRIC LIGHT BOX**

**PROFILE 120**

**FRAME**
Depth 4.7” (120mm)

**FINISH**
Standard Silver anodized aluminum
Custom Color Powder coating available

**FABRIC**
Print Process Digital dye-sublimation

**ELECTRICAL**
Operating Voltage 24V

**UNIQUE FEATURES**
- Wall Mount
- Hanging

**UNIQUE APPLICATIONS**
- Double-Sided Displays
- Freestanding Displays
- Window Displays

**COMPATIBLE LIGHT SOURCE**
- LUXFIT™ Classic
- LUXFIT™ RGB
- LUXMESH™ Lattice
- Perimeter Power Light Bars
- LUXFLEX™ Flexible Sheet

**OPTIONS**
- Neutral White 4100K

**COLOR TEMPERATURES (CCT)**
- Daylight 5300K
- Cool White 6500K

**FABRIC LIGHT BOX**

**PROFILE 200**

**FRAME**
Depth 7.87” (200mm)

**FINISH**
Standard Silver anodized aluminum
Custom Color Powder coating available

**FABRIC**
Print Process Digital dye-sublimation

**ELECTRICAL**
Operating Voltage 24V

**UNIQUE FEATURES**
- Wall Mount
- Hanging

**UNIQUE APPLICATIONS**
- Double-Sided Displays
- Freestanding Displays
- Window Displays

**COMPATIBLE LIGHT SOURCE**
- LUXMESH™ Lattice
- Perimeter Power Light Bars
- LUXFLEX™ Flexible Sheet

**OPTIONS**
- Neutral White 4100K

**COLOR TEMPERATURES (CCT)**
- Daylight 5300K
- Cool White 6500K
Put Your Products On Display!

Our display solutions are a great way to promote product with the Fabric Light Box System. We offer multiple shelving units and retail hanging display solutions as well as fun accessories such as our basketball hoop.

Applicable Profiles: 100, 120, 200

**BALL HOOP**
Dimensions: 11.8" x 4.7" (300mm x 120mm)
Weight: 0.22 lbs (0.10 kg)

**SHELF 12” X 4.7”**
Dimensions: 12” x 4.7” (300mm x 120mm)
Weight: 1 lbs (0.45 kg)
Max. Weight Capacity: 15 lbs (6.8 kg)

**MOUNTING PIN**
Length: 5.1” (130mm)
Weight: 0.20 lbs (0.09 kg)

**HELMET HOOK**
Dimensions: 5.75” x 8”
(146mm x 203.2mm)
Diameter (Rod): 0.38” (9.52mm)
Diameter (Cap): 2” (50.8mm)
Weight: 0.55 lbs (0.25 kg)
Max. Weight Capacity: 25 lbs (11.34 kg)

For permanent mounting only

---

**WE CUSTOMIZE ACCESSORIES & BRACKETS!**

We are able to customize any type of retail display fixture accessory or bracket that you need for your next project. Just ask - we’ll make it happen!
Multimedia Displays Made Easy

To add that extra WOW factor, consider including a TV with your Fabric Light Box System with our TV Mount display solution.

Applicable Profiles: 120, 200

Assembled TV Mount Structure

TVs may be screwed onto the TV mount for a secure, permanent display solution. LEDCONN provides support bars with every Fabric Light Box with TV mount to stabilize the frame structure.

Holes allow for screws
TVs are securely screwed onto mounts

Permanent TV Mount

Select one

Magnetic Mount

Shelves attach and detach magnetically to the fabric light box with magnetic mount shelf brackets. Great for frequent seasonal displays.

Permanent Mount

Transform any shelving unit into a permanent display! Screws may be drilled to securely affix the shelf to any compatible Fabric Light Box profile.

Required Support Hardware

Display Solutions may be mounted and supported by magnets or screws. Our square support arm is designed to help support your desired accessory display solution for either mounting type.

Not Applicable to TV Mount Displays.

MAGNETIC MOUNT SHELF BRACKET 100
Applicable Profile 100
Weight 0.35 lbs (0.16 kg)

MAGNETIC MOUNT SHELF BRACKET 1220
Applicable Profile 120, 200
Weight 0.36 lbs (0.17 kg)

MAGNETIC MOUNT SHELF BRACKET 1220
Applicable Profile 120, 200
Weight 0.36 lbs (0.17 kg)

SCREWS
Available at your local hardware store.
We also provide mounting kits for permanent mounting.

Square Support Arm

Support arms support the outward facing display accessory units so that magnetic or permanent mounting may be possible. This support arm must be ordered regardless of the mounting type selected.

Assembled Magnetic Mount

Magnet Mount attaches to the Square Support Arm and discretely hides behind the fabric graphic facing outwardly.

ETMS MONITOR MOUNT A
Applicable Profile 100
Weight 3.3 lbs (1.5 kg)

ETMS MONITOR MOUNT B
Applicable Profile 120, 200
Weight 3.86 lbs (1.75 kg)

ETMS MONITOR MOUNT A
Applicable Profile 100
Weight 3.3 lbs (1.5 kg)

ETMS MONITOR MOUNT B
Applicable Profile 120, 200
Weight 3.86 lbs (1.75 kg)
# Fabric Light Box Part Number

**Example**

<table>
<thead>
<tr>
<th>Product Line/Profile</th>
<th>Color Temperature (CCT)</th>
<th>Light Source</th>
<th>Frame Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>F203072WPS F 20 3072 W P S</td>
<td>6500K</td>
<td>LUXFIT&quot; CLASSIC LED LIGHT PANEL</td>
<td>S SILVER</td>
</tr>
</tbody>
</table>

## Build It!

**Product Line/Profile**

<table>
<thead>
<tr>
<th>F FABRIC LIGHT BOX</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROFILE</td>
</tr>
<tr>
<td>45 PROFILE 45</td>
</tr>
<tr>
<td>10 PROFILE 100</td>
</tr>
<tr>
<td>12 PROFILE 120</td>
</tr>
<tr>
<td>20 PROFILE 200</td>
</tr>
</tbody>
</table>

**Dimensions (Inches)**

<table>
<thead>
<tr>
<th>LLWW LENGTH X WIDTH (VARIATES)</th>
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</thead>
</table>

# Fabric Graphic Part Number

**Example**

<table>
<thead>
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<th>Product Line/Profile</th>
<th>Print Type</th>
<th>White Print-No Image (Optional)</th>
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</thead>
<tbody>
<tr>
<td>GF3072L GF 3072 L -W</td>
<td>L ILLUMINATED PRINT</td>
<td>FOR WHITE PRINTS ONLY (OMIT FOR PRINTED IMAGES)</td>
</tr>
</tbody>
</table>

## Build It!

**Product Line/Profile**

<table>
<thead>
<tr>
<th>GF FABRIC PRINT</th>
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</thead>
</table>

**Dimensions (Inches)**

<table>
<thead>
<tr>
<th>LLWW LENGTH X WIDTH (VARIATES)</th>
</tr>
</thead>
</table>

**Print Type**

<table>
<thead>
<tr>
<th>L ILLUMINATED PRINT</th>
</tr>
</thead>
<tbody>
<tr>
<td>B BLOCK OUT</td>
</tr>
<tr>
<td>D NON-ILLUMINATED</td>
</tr>
</tbody>
</table>

**White Print-No Image (Optional)**

| -W FOR WHITE PRINTS ONLY (OMIT FOR PRINTED IMAGES) |
GENERAL LIGHTING

In a world filled with ubiquitous styles and types of general lighting, our general lighting solutions are some of the finest available. Some of the benefits of choosing our LED general lighting solutions include excellent CRI, a long LED lifespan, and ease of use. As with all of our lighting solutions, we can customize our general lighting solutions to meet your project’s needs and provide project management support for our product offerings to streamline your project.

LUXBEAM™ LED LINEAR

P. 99-103
CUSTOMIZABLE EVERYDAY LIGHTING

For a general lighting solution with an outstanding color rendering index of 90+, LUXBEAM™ LED Linear System combines bright illumination with high power performance averaging 130 lm/W. Designed as a plug and play lighting solution with a built-in power supply, LUXBEAM™ prevents an excess of exposed wires for a modern, chic look. Use LUXBEAM™ to add style and flair to any retail, office, and architectural environment with brilliant illumination.

AVAILABLE PROFILES

STANDARD

QUALITY

UL LISTED

100% QC

MADE IN USA

MANUFACTURER’S WARRANTY

OFFICE LIGHTING

5300K DAYLIGHT (CONCEPT)

LUXBEAM™ LED LINEAR LIGHTING

DIVERSE APPLICATIONS

- Retail Environments
- General Office Lighting
- Corporate Buildings
- Museums
- Apartments
- Hospitals
- ...And Many More!

KEY FEATURES

- OPTIMAL COLOR RENDERING
- HIGH EFFICACY
- ONE BIN
- LONG LED LIFESPAN
- CUSTOM SIZES
- CUSTOM COLORS
- PLUG & PLAY

130 lm/W

www.ledconn.com
LUXBEAM™
LED LINEAR

LIGHTING
LED Count 264 pc/yd (288 pc/m)
Color Rendering CRI 90+

ALUMINUM EXTRUSION
Weight* 1.75 lb/ft (2.60 kg/m)
*Includes extrusion, lighting & power supply.

FINISH
Standard Silver anodized aluminum
Custom Color Powder coating available

POWER SUPPLY (BUILT-IN)
Input Voltage 24VDC constant voltage
Power 7.9 W/ft (26 W/m)

COMPATIBLE CONTROLLERS
• DMX control
• Wi-Fi controller for smart devices
• 0-10V dimming
• Magnetic low-voltage dimming

UNIQUE APPLICATIONS
• Wall Mount
• Ceiling Mount
• Surface Mount
• Hanging

COMPATIBLE LIGHT SOURCE
• LUXLINE™ 2835/288/22
  Light Strip

UNIQUE FEATURES
• Wall Mount
• Ceiling Mount
• Surface Mount

OPTIONS

PHOTOMETRIC DATA

COLOR TEMPERATURE & LUMINOS FLUX

FREQUENTLY REQUESTED SIZES*

Based on a unit measuring 24” in length.

*CULTUSBEAM™ is made-to-order with flexibility of sizing customization to fit your unique application.
LUXBEAM™ LINEAR SYSTEM PART NUMBER

EXAMPLE
B48WAHSH

BUILD IT!

PRODUCT LINE
B LUXBEAM™

LENGTH (INCHES)
LL LENGTH (VARIES)

COLOR TEMPERATURE (CCT)
W 6500K
V 5300K
Y 4100K
Z 3000K
T TRICOLOR (RGB)
A ADJUSTABLE (TUNABLE WHITE)
C CUSTOM CCT

LENS
A FROSTED
N CLEAR LENS

CONNECTOR
A AC PLUG (BUILT-IN, PLUG & PLAY)
H HARDWIRE
C SPECIAL (REMOTE)

FRAME COLOR
S SILVER
K BLACK
C CUSTOM

MOUNTING (OPTIONAL)
H HANGING, AVIATION CABLE NEEDED (OMIT IF N/A)

FOR HANGING ONLY! OMMIT IF N/A

//DRIVERS & ACCESSORIES//

LOUIS VUITTON SUNGLASS DISPLAY
5TH AVENUE | NEW YORK, NY
LUXFIT™ LED LIGHT PANEL (3000K)
### DC PLUG-IN POWER

#### PLUG-IN ADAPTERS | CLASS 2

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>P/N</th>
<th>OUTPUT VOLTAGE</th>
<th>INPUT VOLTAGE</th>
<th>OUTPUT POWER</th>
<th>DIMENSIONS</th>
<th>UL</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZTREB12V1AN</td>
<td>12VDC</td>
<td>12W</td>
<td>100-240VAC</td>
<td>12W</td>
<td>2.90&quot; x 1.09&quot; x 1.67&quot;</td>
<td>72.5 x 27.6 x 42.4mm</td>
</tr>
<tr>
<td>ZTREB12V2AN</td>
<td>12VDC</td>
<td>24W</td>
<td></td>
<td></td>
<td>3.54&quot; x 1.85&quot; x 1.17&quot;</td>
<td>89.9 x 46.7 x 29.7mm</td>
</tr>
<tr>
<td>ZTREB12V3AN</td>
<td>12VDC</td>
<td>36W</td>
<td></td>
<td></td>
<td>3.54&quot; x 1.85&quot; x 1.17&quot;</td>
<td>89.9 x 46.7 x 29.7mm</td>
</tr>
<tr>
<td>ZTREB12V4AN</td>
<td>12VDC</td>
<td>48W</td>
<td>100-240VAC</td>
<td></td>
<td>4.70&quot; x 2.05&quot; x 1.32&quot;</td>
<td>119.4 x 52.1 x 33.5mm</td>
</tr>
<tr>
<td>ZTREB12V5AN2</td>
<td>12VDC</td>
<td>60W</td>
<td></td>
<td></td>
<td>4.70&quot; x 2.05&quot; x 1.32&quot;</td>
<td>119.4 x 52.1 x 33.5mm</td>
</tr>
<tr>
<td>ZTREB24V1AN</td>
<td>24VDC</td>
<td>24W</td>
<td></td>
<td></td>
<td>3.54&quot; x 1.85&quot; x 1.17&quot;</td>
<td>89.9 x 46.7 x 29.7mm</td>
</tr>
<tr>
<td>ZTREB24V2AN</td>
<td>24VDC</td>
<td>24W</td>
<td>200-240VAC</td>
<td></td>
<td>4.70&quot; x 2.05&quot; x 1.32&quot;</td>
<td>119.4 x 52.1 x 33.5mm</td>
</tr>
<tr>
<td>ZTREB24V3AN</td>
<td>24VDC</td>
<td>36W</td>
<td></td>
<td></td>
<td>4.70&quot; x 2.05&quot; x 1.32&quot;</td>
<td>119.4 x 52.1 x 33.5mm</td>
</tr>
<tr>
<td>ZTREB24V4AN</td>
<td>24VDC</td>
<td>48W</td>
<td></td>
<td></td>
<td>4.70&quot; x 2.05&quot; x 1.32&quot;</td>
<td>119.4 x 52.1 x 33.5mm</td>
</tr>
<tr>
<td>ZTREB24V5AN2</td>
<td>24VDC</td>
<td>60W</td>
<td></td>
<td></td>
<td>4.70&quot; x 2.05&quot; x 1.32&quot;</td>
<td>119.4 x 52.1 x 33.5mm</td>
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</tbody>
</table>

### HARDWARE

#### DIMMABLE MAGNETIC TRANSFORMERS | MLV DIMMING | CLASS 2

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>P/N</th>
<th>OUTPUT VOLTAGE</th>
<th>INPUT VOLTAGE</th>
<th>OUTPUT POWER</th>
<th>DIMENSIONS</th>
<th>UL</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZTRMS24V96W</td>
<td>24VDC</td>
<td>96W</td>
<td>120VAC</td>
<td></td>
<td>6.75&quot; x 2.82&quot; x 1.56&quot;</td>
<td>171.1 x 71.1 x 39.4mm</td>
</tr>
<tr>
<td>ZTRMS24V192W</td>
<td>24VDC</td>
<td>192W</td>
<td>120VAC</td>
<td></td>
<td>8.5&quot; x 3.5&quot; x 3&quot;</td>
<td>215.9 x 88.9 x 76.2mm</td>
</tr>
<tr>
<td>ZTRMS24V288W</td>
<td>24VDC</td>
<td>288W</td>
<td>120VAC</td>
<td></td>
<td>14&quot; x 6.8&quot; x 5&quot;</td>
<td>355.6 x 172.2 x 127mm</td>
</tr>
<tr>
<td>ZTRMS24V360W</td>
<td>24VDC</td>
<td>360W</td>
<td>200-240VAC</td>
<td></td>
<td>14&quot; x 6.8&quot; x 5&quot;</td>
<td>355.6 x 172.2 x 127mm</td>
</tr>
</tbody>
</table>

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### NERD NOTES

**UL CLASS 2**

**What exactly is Class 2 Compliance? And why is it important?**

All of our power supplies are Class 2 compliant. A Class 2 circuit, as defined by the National Electric Code (NEC), includes the wiring system that is located between the load side of a Class 2 LED driver and the connected equipment, such as our LED luminaires. Class 2 compliance ensures that the circuit will be safe from fire and electric shock.

---

**ADAPTERS, DRIVERS & POWER SUPPLIES**

We offer a wide array of UL Class 2 Listed and Recognized DC plug-in power adapters and hardwire accessories. Use the chart below to compare across our available product line to find the power supply best suited to your specific application. The majority of the power supplies listed here are best suited for indoor environments and applications. Contact a project specialist for power supplies with exterior IP ratings.

---

**WE CARE ABOUT YOUR SAFETY!**

Which is exactly why we go the extra mile to ensure all of our power supplies are Class 2 Compliant.

---

*Safe for use in indoor and outdoor environments.*
### HARDWIRE (cont’d)

#### ELECTRONIC LED DRIVERS | 0-10V DIMMING™ WITH DIMMING MODULE | CONSTANT VOLTAGE | CLASS 2

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>P/N</th>
<th>OUTPUT VOLTAGE</th>
<th>INPUT VOLTAGE</th>
<th>OUTPUT POWER</th>
<th>DIMENSIONS</th>
<th>UL</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZTREM12V60WV</td>
<td>12VDC</td>
<td>90-264VAC</td>
<td>60W</td>
<td>6.40” x 1.67” x 1.26”</td>
<td>162.5mm x 42.5mm x 32mm</td>
<td>UL-Recognized</td>
</tr>
<tr>
<td>ZTREM12V60WE</td>
<td>12VDC</td>
<td>90-305VAC</td>
<td>60W</td>
<td>6.40” x 1.69” x 1.26”</td>
<td>162.5mm x 43mm x 32mm</td>
<td>UL-Recognized</td>
</tr>
<tr>
<td>ZTREM24V60WV</td>
<td>24VDC</td>
<td>90-264VAC</td>
<td>60W</td>
<td>6.40” x 1.67” x 1.26”</td>
<td>162.5mm x 42.5mm x 32mm</td>
<td>UL-Recognized</td>
</tr>
<tr>
<td>ZTREM24V60WE</td>
<td>24VDC</td>
<td>90-305VAC</td>
<td>60W</td>
<td>6.40” x 1.69” x 1.26”</td>
<td>162.5mm x 43mm x 32mm</td>
<td>UL-Recognized</td>
</tr>
<tr>
<td>ZTREM24V90WV</td>
<td>24VDC</td>
<td>90-305VAC</td>
<td>90W</td>
<td>6.34” x 2.40” x 1.42”</td>
<td>161mm x 61mm x 36mm</td>
<td></td>
</tr>
<tr>
<td>ZTREM24V90WE</td>
<td>24VDC</td>
<td>90-305VAC</td>
<td>90W</td>
<td>7.07” x 2.78” x 1.53”</td>
<td>195.6mm x 70.5mm x 38.8mm</td>
<td>UL Listed</td>
</tr>
<tr>
<td>ZTREM24V80WHLG</td>
<td>24VDC</td>
<td>90-305VAC</td>
<td>81.6W</td>
<td>7.70” x 2.42” x 1.52”</td>
<td>195.6mm x 70.5mm x 38.8mm</td>
<td></td>
</tr>
<tr>
<td>ZTREA24V99WANP-UL</td>
<td>24VDC</td>
<td>90-305VAC</td>
<td>100W</td>
<td>7.80” x 2.76” x 1.22”</td>
<td>195.6mm x 70.5mm x 38.8mm</td>
<td>UL Listed</td>
</tr>
</tbody>
</table>

#### DIMMABLE ELECTRONIC LED DRIVERS | 0-10V DIMMING | CLASS 2

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>P/N</th>
<th>OUTPUT VOLTAGE</th>
<th>INPUT VOLTAGE</th>
<th>OUTPUT POWER</th>
<th>DIMENSIONS</th>
<th>UL</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZTREA24V100SW277</td>
<td>24VDC</td>
<td>108-305VAC</td>
<td>96W</td>
<td>14.31” x 1.18” x 0.88”</td>
<td>366mm x 25mm x 22mm</td>
<td>UL-Recognized</td>
</tr>
</tbody>
</table>

#### DIMMABLE ELECTRONIC LED DRIVERS | DMX/DALI | CLASS 2

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>P/N</th>
<th>OUTPUT VOLTAGE</th>
<th>INPUT VOLTAGE</th>
<th>OUTPUT POWER</th>
<th>DIMENSIONS</th>
<th>UL</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZTREG61224V100W</td>
<td>12VDC or 24VDC</td>
<td>120-277VAC</td>
<td>100W</td>
<td>15.27” x 1.65” x 1.18”</td>
<td>396mm x 41.5mm x 32mm</td>
<td>UL-Recognized</td>
</tr>
</tbody>
</table>

---

** INLINE**

**PLUG & PLAY**

Inline dimmers are designed to dim LUXFIT™ 12VDC and 24VDC LED Light Panels from 0-100% using a **Pulse Width Modulation (PWM)** circuit. Use the knob to adjust and control the dimming range from zero to full lighting intensity. Designed with a male and female barrel power connector sized at 0.22” (5.5mm) for connecting inline with our power supplies. Features a max load of 2 amps. Enjoy a quick connect with the DC barrel jacks to connect inline with our power supplies.

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** DIMMING OPTION 2**

**RADIO FREQUENCY (RF)**

**REMOTE CONTROL**

The Remote Control LED Dimmer Switch is a compact & lightweight LED dimmer that comes with a handheld remote control. Enjoy complete dimming control with a easy-to-use, pocket-sized remote control. As an inline product, this dimming system does not interfere with outer radio frequencies.

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Safe for use in indoor and outdoor environments.

*0-10V Dimming with remote dimming module available for purchase separately.*
MAKING SENSE OF THE HARDWIRE CONNECTIONS

A. Black wire A may be connected to a plug or junction box.
B. Black wire B connects the dimmer to the magnetic transformer.
C. Green wire connects to the ground wire.
D. Multiple LEDCONN® Light Fixtures may connect to a single magnetic transformer as long as the combined max power does not exceed 80% of the magnetic transformer’s full power capacity.

LOW VOLTAGE

0-10V DIMMING WITH DIMMING MODULE

For designs that specify 0-10V dimming, we offer the option of adding a dimming module to the electronic LED driver (shown below) OR utilizing the dimmable LED Driver (wiring diagram available upon request). Our specialist will help assess the application and site condition to provide the most suited recommendation.

We offer a variety of additional dimming modules and dimmers! Please contact a project manager for more information.

DIMMING OPTION 4

LOW VOLTAGE

0-10V DIMMING WITH DIMMING MODULE

For designs that specify 0-10V dimming, we offer the option of adding a dimming module to the electronic LED driver (shown below) OR utilizing the dimmable LED Driver (wiring diagram available upon request). Our specialist will help assess the application and site condition to provide the most suited recommendation.

We offer a variety of additional dimming modules and dimmers! Please contact a project manager for more information.

CONTACT US FOR MORE CONTROL OPTIONS
• DMX
• Wi-Fi
• Mobile Apps
• ...And many more!

DRIVERS & ACCESSORIES
We understand that lighting can be confusing. That’s why we’re so passionate about providing quality consultation and educational resources to better serve you. You can trust any of our LEDCONN lighting gurus to lead the way!

**0-10V Dimming**

0-10V dimming is one of the simplest electronic lighting control signaling systems commercially available today. A controlled lighting system featuring this dimming method scales a luminaire’s lumen output so that at 10 V, the controlled luminaire should be at 100% of its potential output, and at 0 V, it should be at the lowest possible dimming level.

The Color Rendering Index is a measurement of the ability of a light source to reveal the colors of various objects faithfully in comparison with an ideal or natural light source.

*Standard CRI Measurements & Their Common Applications*

- **CRI 100** The highest value measurement of light; equivalent to sunglight.
- **CRI 90+** Great light source for general & direct lighting.
- **CRI 80+** Strong light source for backlit & indirect lighting.

While CRI measures the color quality of the light source, R9 represents the color red and how it’s rendered. In retail and restaurant application, it is important to present the color accurately and LEDs with high R9 values create the most vivid colors.

**Constant Current**

Constant current luminaires require a constant current to be supplied from the driver. For these lights the current is fixed by the driver but the voltage may vary. Constant current lights are ALWAYS wired in series. For industrial lighting, a constant current system is more common; however, a system redesign may be required to account for changes that may occur in the future.

**Constant Voltage**

Constant voltage luminaires require a steady voltage to be supplied from the driver. For these lights the voltage is fixed by the driver but the current may vary. Constant voltage lights are ALWAYS wired in parallel. Constant voltage systems feature better flexibility in comparison to constant current systems.

*Most of LEDCONN’s products are constant voltage systems.*
Correlated Color Temperature (CCT) is a Kelvin measurement that defines the color appearance of a white light source. Color temperature should not be selected indiscriminately: each color temperature serves a unique purpose and may be best suited for specific applications and environments.

**LEDCONN® Standard Color Temperatures & Their Common Applications**

- **2700K~3500K (Warm White)**
  - Residential and general lighting.
- **4000K~5300K (Neutral White)**
  - Retail display/store fixture illumination.
- **5300K+ (Cool White)**
  - Backlit graphics/images & electronic device displays.

**Low-Voltage Dimming**

Magnetic & Electronic

When dimming a low-voltage fixture, the dimmer controls the line voltage (VAC) input to the transformer powering the low-voltage lights. There are two types of transformers manufactured for low-voltage lighting: Magnetic (core and coil) - MLV and Electronic (solid-state) - ELV.

**Luminous Flux**

**lumen**

Lumen represents the international standard unit (lm) of measurement for Luminous Flux, which refers to the total measurable amount of visible light emitted by a light source. In simple terms, the higher the lumen rating is, the “brighter” the light fixture will appear.

A measure of how well a light source produces visible light. It is the ratio of Luminous Flux to Power, or lumens per Watt. The higher the luminous efficacy, the more energy-efficient the light fixture will be.

**Illuminance**

**lux**

Illuminance measures the amount of light falling onto and spreading over a given surface. 1 Lux equals 1 lumen per square meter. The Lux reading of a light will vary depending on the distance and spreading area between measuring point to the light. For example: A flux of 1000 lumens, concentrated into an area of 1 square meter, will measure an illuminance of 1000 lux. However, the same 1000 lumens, spread out over 10 square meters, produces a dimmer illuminance of only 100 lux.

**UL-Listed/ UL-Recognized**

The UL Listed and UL Recognized Marks indicate that a product has been tested and has passed the specific requirement in one or more categories for product safety by the Underwriters Laboratories (UL). UL Mark on a product assures the product meets the minimum safety standard.

- Keep in mind that UL Marks may not always be mandatory but are often required for certain specific applications, installations, and inspections.
- Most of LEDCONN’s lighting solutions are UL certified products.
AWARD-WINNING LIGHTING SOLUTIONS

We’re committed to the success of our partners and clients. We’d love to be a part of your future success!

Contact us today for more information.

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LEDCONN

Be the FOCUS

LIKE A TRUE BLUE FRIEND,
WE’RE COMMITTED!

LIKE A TRUE BLUE FRIEND,
WE’RE COMMITTED!

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