

LUXMESH™

LATTICE

LED Backlighting

POWERFULLY BRIGHT ILLUMINATION

Discover a versatile grand format backlighting solution that combines brilliant, innovative illumination with an energy-efficient design when you use **LUXMESH™ LED Lattice** to backlight large format graphics, such as those printed on our Profile 100 and 120 series Fabric Light Boxes. Featuring a wide beam angle, energy-saving design and consistent lighting output, LUXMESH™ is the designer's choice for backlighting even surfaces, including simple curved applications. Fully adjustable to meet your application's unique needs, mix and match the standard module sticks and combine them to your desired length for a custom fit that will provide full coverage without hot spots.



**STRONG COLOR
RENDERING**



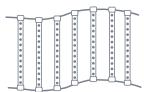
**OUTSTANDING
BRIGHTNESS**



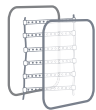
**EVEN LIGHTING
NO DARK SPOTS**



**LONG LED
LIFESPAN**



**CONTOURS FOR
SIMPLE CURVES**



**EFFECTIVE
BACKLIGHTING
SOLUTION**



**WIDE BEAM
ANGLE**



**80% ENERGY
EFFICIENT**



**CUSTOM
ROLL
LENGTHS**



**CUSTOM
COLORS**



**CONSTANT
POWER - 24V**

ASSURED QUALITY



E477011



100% QC MANUFACTURER'S WARRANTY



Powerful grand format backlighting made easy

LEDCONN

— Be the FOCUS —



(714) 256-2111



sales@ledconn.com



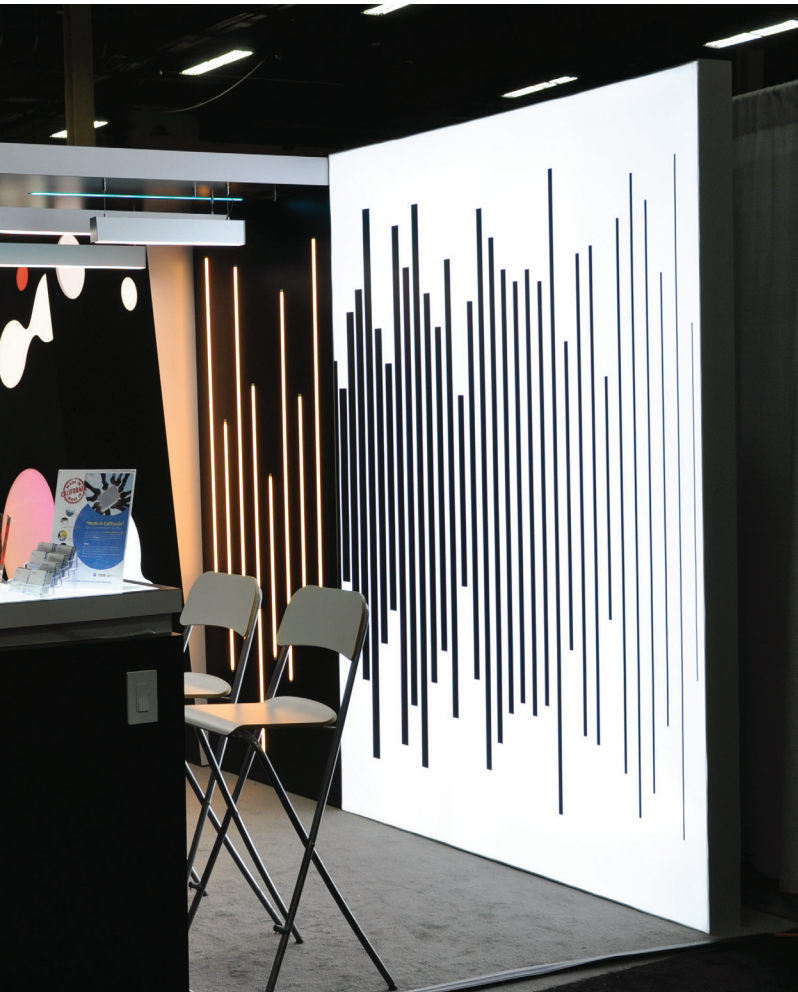
(714) 256-2118



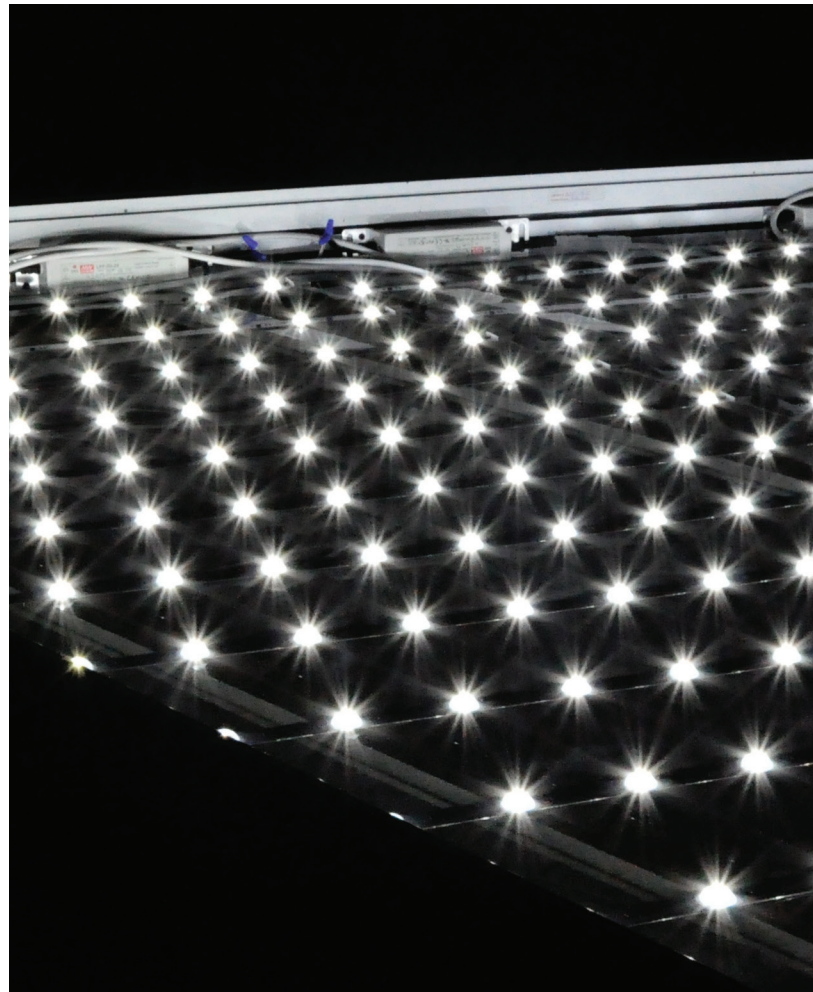
301 Thor Place
Brea, CA, 92821



www.ledconn.com



LARGE FORMAT FABRIC LIGHT BOX FOR EXHIBIT



ILLUMINATED LED LATTICE

APPLICATIONS

- Sign Cabinet Backlighting
- Fabric Light Box Backlighting
- Ceiling & Wall Backlighting
- Large Format Illumination
- Simple Curved Applications
- ...And Many More!

SPECIFICATION SUBMITTAL

JOB NAME / NUMBER

PART NUMBER

MECHANICAL

LED MODULE

LED Count 3, 6, & 12 pc/stick
PCB 3/16" (w) x 9/32" (h) [20mm (w) x 7mm (h)]
LED Pitch 3-5/32" (80mm)
Stick-to-Stick Pitch 6" (152mm)
No. of Sticks per Roll 12 sticks
Ambient Temperature -4°F~+176°F (-20~+80°C)
IP Rating IP60*
Environment Indoor applications

*EXTERIOR applications (IP 65) available upon request

MOUNTING

Method

- ☐ Screws or
- ☐ Double-sided foam tape

Optimal Cabinet Depth** 3"-5" (76mm-127mm)

**Optimal depth to prevent hot spots

Current  Compatible



- Energy Savings
- Versatile
- Scalable
- Outdoor Rated
- Wired, Wireless or Hybrid

Contact us to inquire about other compatible controls

ELECTRICAL

LIGHT SOURCE

LED Chip Nichia 3030 LED
Wide Beam Angle 160° with Optical Lens
Life Expectancy 50,000+ hours
Color Rendering CRI 80+
Standard Color Cool White (6500K)
Available Colors

- ☐ Daylight (5300K)
- ☐ Neutral White (4100K)

Dimming

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

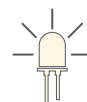
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POWER SUPPLY

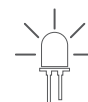
Input Voltage 24Vdc constant voltage
Wire Size 20 AWG 2 Wire
Please use only with Class 2 power supply
Connector Type

- ☐ Molex®
- ☐ Hardwire

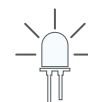
**AVAILABLE
COLOR TEMP.
(CCT)**



Neutral White
4100K



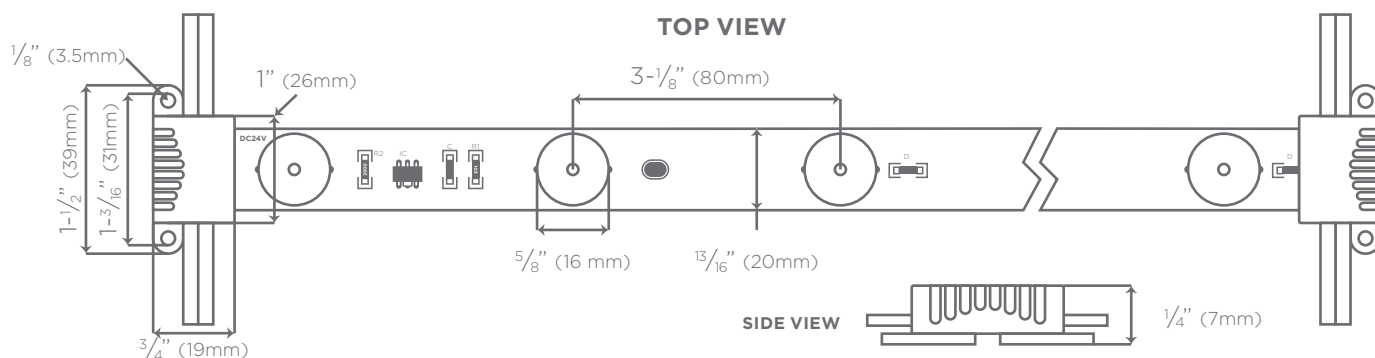
Daylight
5300K



Cool White
6500K

STANDARD

SIZE	STICK WIDTH	LED/STICK	ROLL LENGTH	LED	BRIGHTNESS (lm/stick)	EFFICACY (lm/W)	POWER (W/stick)	MAX LOAD (96W)
Short	9-1/2" (241mm)	3	72" (1829mm)	IP60	320	86.5	3.7	24 sticks
Medium	19-1/4" (489mm)	6	72" (1829mm)	IP60	650	86.7	7.5	12 sticks
Long	37-3/4" (959mm)	12	72" (1829mm)	IP60	1300	86.7	15.0	6 sticks



SPECIFICATION SUBMITTAL

ILLUSTRATION NOT DRAWN TO SCALE

JOB NAME / NUMBER

PART NUMBER

AVAILABLE PRODUCTS

9-1/2" (241mm)



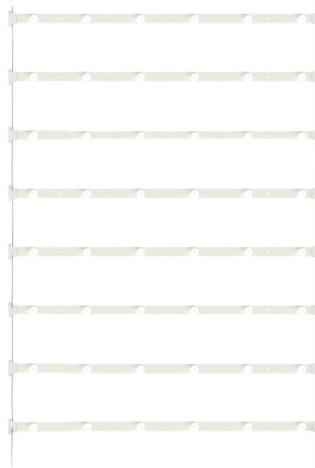
+

19-1/4" (489mm)



+

37-3/4" (959mm)



=

**MIX & MATCH
3 BAR SIZES**
LINK LED STICKS
HORIZONTALLY OR VERTICALLY

LATTICE PART NUMBER ORDER SHEET

EXAMPLE

M3872WM

LUXMESH

M

LONG STICK

38

72"

72

6500K

W

MOLEX

M

BUILD IT!

PRODUCT
LINE/PROFILE

STICK WIDTH

ROLL LENGTH
(MULTIPLES
OF 6 ONLY)

COLOR

CONNECTOR

PRODUCT LINE

M LUXMESH™

STICK WIDTH

09 9-1/2" (SHORT)
19 19-1/4" (MEDIUM)
38 37-3/4" (LONG)

ROLL LENGTH (MULTIPLES OF 6 ONLY)

LL LENGTH (VARIES)

COLOR TEMPERATURE (CCT)

W 6500K
V 5300K
Y 4100K
C CUSTOM CCT

CONNECTOR

M MOLEX
H HARDWIRE

SPECIFICATION SUBMITTAL

JOB NAME / NUMBER

PART NUMBER