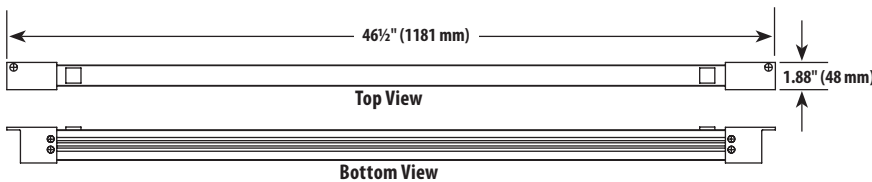## LEDge Light

LEDge Light is the first LED lighting product designed specifically for use on display shelves. Environmentally friendly LEDs produce light intensity similar to T5 fluorescent fixtures, while using only half the energy and lasting nearly three times as long without replacement or maintenance. LEDge Light produces virtually no heat, no UV rays (eliminating packaging degradation) and features a specially designed lens for optimal light distribution. Optional dimming controller with infrared sensors may reduce energy consumption by over 50% and double the life of the fixture.

- 2', 3', and 4' lengths (610 mm, 914 mm, or 1219 mm)
- Maintenance-free life in excess of 50,000 hours (11 years at 12 hours/day)
- Compact, 1.18" x .88" (30 mm x 22 mm) profile
- Durable aluminum extrusion
- Integrated magnets make installation on metal shelves or other surfaces easy and allow fast changes
- End tabs with holes for fastening to wood shelves, counters, or other surfaces
- UL listed system
- All "plug and play" connections– no electrician required (Class 2 system)
- Multiple units connected using jumper cables or harness assembly
- May be daisy-chained to single power supply for single-row applications
- Power up to ten 48" LEDge Lights with one power supply (see chart)
- Color temperature: 4,200K
- Color Rendering Index (CRI) of 85
- Contains no heavy metals
- Low power consumption helps meet California Title 24 lighting regulations
- Safe 24-volt DC system
- 2-year warranty
- Not compatible with Lumiback or Lumishelf™ accessories

LLS(NL)

LLS .... LEDge Light
NL .... Nominal Length 24", 36", or 48"
(610 mm, 914 mm, or 1219 mm)

46½" (1181 mm)
1.88" (48 mm)
Top View
Bottom View

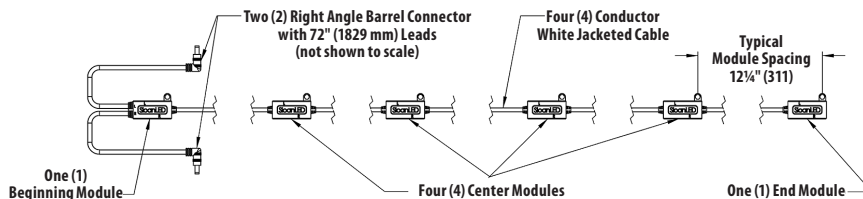| Shelf Width	Part Number	Actual Length	DC Watts	Max # Lights per Power Supply
24"	LLS24	22½"	3.6W	26
36"	LLS36	34½"	5.4W	18
48"	LLS48	46½"	7.2W	13

UL LISTED

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LEDge Light Harness Assembly

- Harness Assembly is used to connect up to 6 LEDge Lights to a single 100W power supply
- Up to 12 lights may be connected to a single Harness Assembly by using 2 power supplies
- Harness plugs directly into power supply
- Jumper Cables required to connect LEDge Lights to Harness Assembly
- 6 modules, 12.25" (311 mm) OC with 72" (1829 mm) leads for each power supply connection
- The screw tab on each connecting module allows fastening to perforated back panel via push rivets or to other surfaces with screws (not included)
- White color

LLHA

LLHA .... LEDge Light Harness Assembly

Two (2) Right Angle Barrel Connector with 72" (1829 mm) Leads (not shown to scale)

Four (4) Conductor White Jacketed Cable

Typical Module Spacing 12¼" (311)

One (1) Beginning Module

Four (4) Center Modules

One (1) End Module

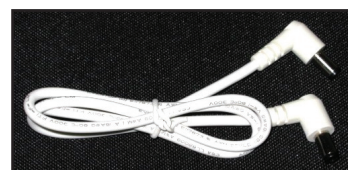## LEDge Light Jumper Cable

- Required to connect LEDge Lights to Harness Assembly and adjacent lights in daisy-chain applications
- White color

LLJ(NL)

LLJ .... LEDge Light Jumper Cable

NL .... Nominal Length 6", 18", 30", 72", or 144"
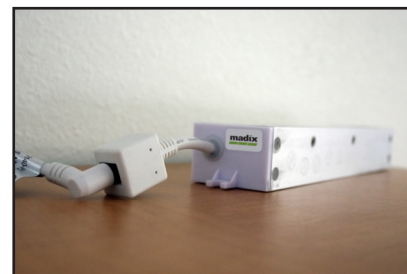(152 mm, 457 mm, 762 mm, 1829 mm, or 3658 mm)

LEDge Light Power Supply

- UL listed 100W DC power supply features nearly 90% efficiency using of latest circuitry design
- 120V standard plug; no electrician required
- Maximum of 16 power supplies per 20-amp circuit
- Not compatible with Lumiback or Lumishelf™
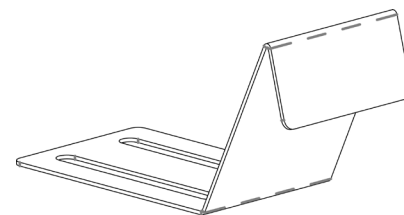- Uses 1 amp at 120V

LLPS

LLPS .... LEDge Light Power Supply

LEDge Light Deck Support Mounting Clip

- Hardware pack included

LLDSMC

LLDS .... LEDge Light Deck Support

MC .... Mounting Clip

LEDge Light Cable Clamp

- Use to cleanly route cables
- Clear nylon with adhesive back
- ⅜" (10 mm) capacity
- 25 pieces per pack

LLCC38-25

LLCC .... LEDge Light Cable Clamp

38 .... ⅜" (10 mm) capacity

25 .... 25 pieces

Lighting

LEDge Light Versa System

The new LEDge Light Versa system allows retailers to quickly and easily modify shelf spacing without the hassle of unplugging and reconnecting. Adjust shelves with LEDge Lights throughout the run without moving wires or electrical connections. System is used in lieu of harness or jumper application.

- Hassle-free way to light an entire fixture run
- Quickly reset plan-o-grams
- Spring-loaded Versa connector easily installs to pre-existing LEDge light runs
- Compatiable with most metal shelving
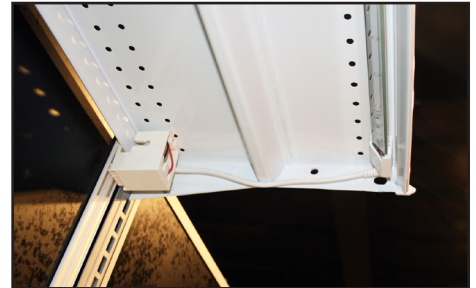- Patent No. US 8,979,311 B2

LEDge Light Versa Connector

- Complete assembly includes connector and cable
- Versa connector needs to be size of shelf or deeper

LLVC(ND)

LLVC .... LEDge Light Versa Connector

ND .... Nominal Depth
12", 18", or 30"
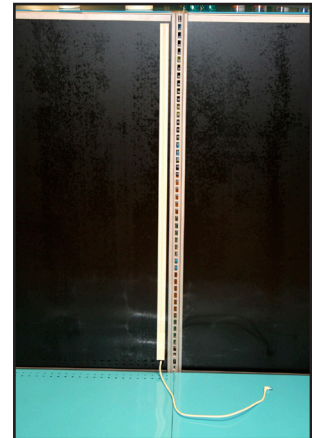(305 mm, 457 mm, or 762 mm)

LEDge Light Versa Bus Bar

- Fits 54" (1372 mm) back panels; can be mounted on larger panels in higher position
- Can be trimmed to fit shorter panels

LLBB(NL)

LLBB .... LEDge Light Versa Bus Bar

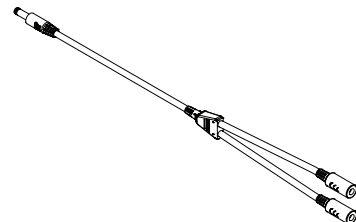NL .... Nominal Length 46" (1168 mm)

LEDge Light Versa Y-Connector

- Splitter connecting LEDge Light Versa Bus Bars to power supply
- 15" (381 mm) overall length

LLVY

LLVY .... LEDge Light Versa Y-Connector

Texas: 800-776-2349 Fax: 972-563-0792 Alabama: 800-633-6282 Fax: 256-839-5608
Mexico: 001-800-010-0699 www.madixinc.com

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LEDge Light Dimming Controller Kits

Dimming controllers use infrared sensors to dim or shut off LEDge Lights when customers are not shopping the aisle. Dimming is adjustable from "Off" to 12%, 25%, or 50% of total intensity. State of the art control dims and ramps up light slowly, making the change less noticeable to customers. Use of dimming control may cut energy consumption by over 50% and double the life of the LEDge Light.

LEDge Light Dimming Controller Starter Kit

- Controls single, 100W power supply
- Kit contains one dimming controller, two infrared sensors, cables, and connectors for use in up to a 24' (7315 mm) run (longer runs require Sensor Add-On Kit– see below)
- Sensor detection range is 14' (4267 mm) diameter
- Specify sensor mounts for slotted upright (B) or shelf (S)
- "Plug and play" connections– no electrician required
- White color
- Not compatible with Lumiback or Lumishelf™

LLDCS-(TYPE)

LLDCS .... LEDge Light Dimming Controller Starter Kit

    TYPE .... Sensor Mount Type:
        B=Slotted Upright
        S=Shelf

LEDge Light Dimming Controller Add-On Kit

- Order this kit to control additional power supplies (one kit per power supply)
- Contains one dimming controller, cables and connectors to add one power supply
- "Plug and play" connections– no electrician required
- White color
- Not compatible with Lumiback or Lumishelf™

LLDCA

LLDCA .... LEDge Light Dimming Controller Add-On Kit

LEDge Light Motion Sensor Add-On Kit

- Order this kit where additional sensors are required in system
  [at center of any run that exceeds 24' (7315 mm)]
- Kit adds a single sensor to Starter Kit above
- Contains one infrared sensor, cables, and connectors to add 12' (3648 mm) to run
- Specify sensor mounts for slotted upright (B) or shelf (S)
- "Plug and play" connections– no electrician required
- White color
- Not compatible with Lumiback or Lumishelf™

LLMSA-(TYPE)

LLMSA .... LEDge Light Motion Sensor Add-On Kit

    TYPE .... Sensor Mount Type:
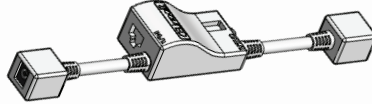   B=Slotted Upright
        S=Shelf

LEDge Light Dimming Components

Individual components to be used with Starter and Add-On Kits as needed.

LEDge Light Dimming Controller

LLDC
LLDC .... LEDge Light Dimming Controller

LEDge Light Motion Sensor
• 60" (1524 mm) cord

LLMS
LLMS .... LEDge Light Motion Sensor

LEDge Light Sensor Mounting Bracket
• Specify sensor mounts for slotted upright (B) or shelf (S)

LLSMB-(TYPE)
LLSMB .... LEDge Light Sensor Mounting Bracket
 TYPE .... Sensor Mount Type:
  B=Slotted Upright
  S=Shelf

LEDge Light Cat 5 Cable
• Used to connect Motion Sensor to Dimming Controller

LLC5C-(NL)
LLC5C.....LEDge Light Cat 5 Cable
 NL.....Nominal Length 3', 15', 25', or 50'
  (914 mm, 4572 mm, 7620 mm, or 15,240 mm)

LEDge Light Cat 5 Coupler

LLC5CP
LLC5CP.....LEDge Light Cat 5 Coupler
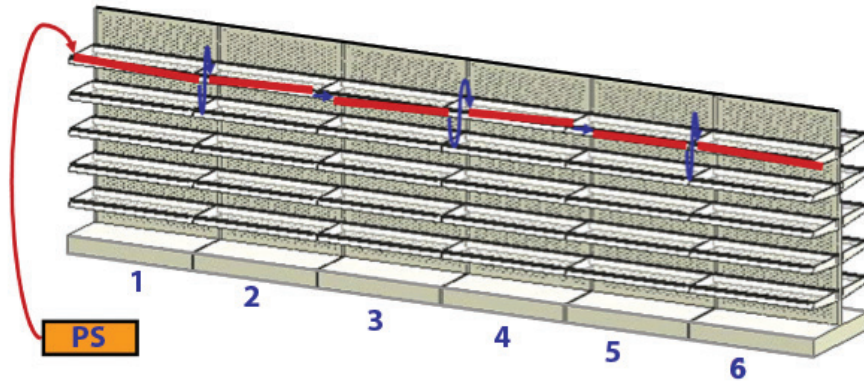

LEDge Light Cat 5 Y-Splitter
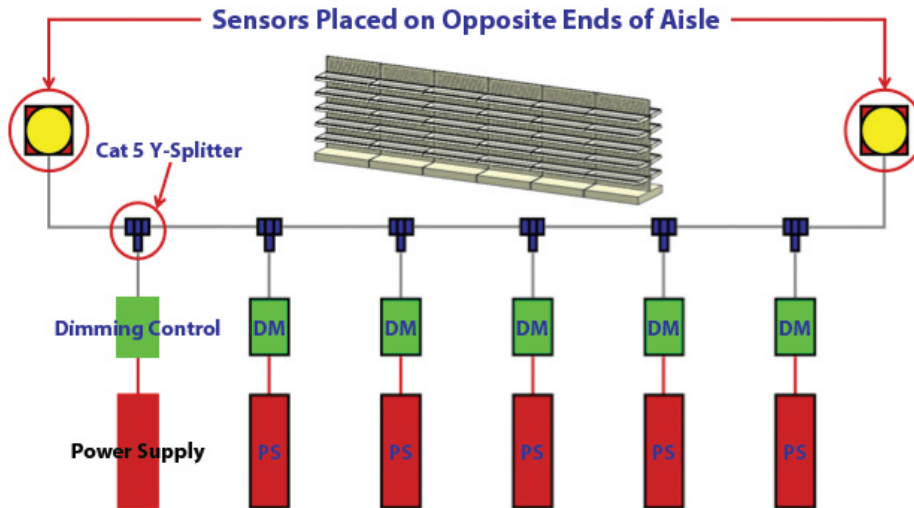
LLC5YS
LLC5YS.....LEDge Light Cat 5 Y-Splitter

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LEDge Light Typical Installations

Daisy-Chain Wiring Configuration

Dimming Control Sensor Installation

Sensors Placed on Opposite Ends of Aisle

Cat 5 Y-Splitter

Dimming Control

DM DM DM DM DM

Power Supply

PS PS PS PS PS

Dimming Control LEDge Light Installation

Sensors Placed on Opposite Ends of Aisle

Power to Shelf Lights

DM DM DM DM DM DM

PS PS PS PS PS PS