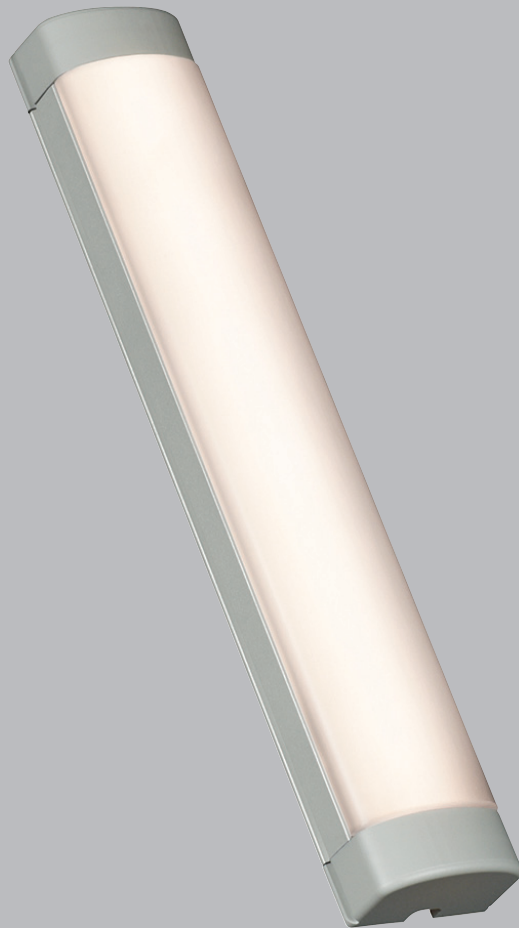


# Ivalo® Lumaris® LED Linear Lighting

High-quality, even lines of illumination and guaranteed LED compatibility with 0.1% Lutron dimming



## New! Hi-lume® Premier 0.1% LED driver

- Diffused lens option conceals LED hot spots and eliminates glare
- Small profile and various linkable lengths for many applications
- Clothes Closet Rated
- 10-year warranty
- Smooth, continuous dimming from 100% to 0.1%

# Overview

## Why Choose LEDs?

**LEDs make sense for today's applications. Consider the benefits:**



Reduced energy costs (only 5W/ft)



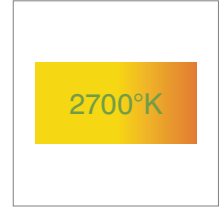
Reduced maintenance (50,000+ hour life)



Environmentally friendly



Little to no UV emissions



The same look and feel as incandescent/halogen

## Why Choose The Ivalo® Collection by Lutron?

**Guaranteed LED compatibility with 1% dimming.**



Guaranteed compatibility with Lutron controls



Standard remote mount UL Listed 1% dimming driver



CA Title 24 compliant models



10-year limited warranty



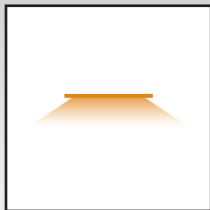
LED Control Center of Excellence and 24/7 technical support

## Why Choose Lumaris®?

**Architectural spec grade luminaire with high quality, even light distribution.**



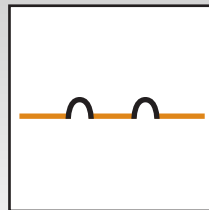
High LED color quality



**New! Lens option that conceals LED hot spots**



Fixture to fixture color consistency (less than 3 step MacAdam Ellipse)



Linkable and easy install with remote mounted driver



Small profile option for multiple applications

# Benefits

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## Why Choose LEDs?

LEDs are highly efficient, long-lasting, and environmentally friendly.

### Energy efficient at 5 W/ft

LEDs save more energy compared to incandescent/halogen bulbs and surpass the energy efficiency of compact fluorescents. LEDs may also be eligible for rebates, lowering your investment costs.\*

### Reduced maintenance costs

LEDs are generally rated for over 50,000 hours under normal conditions (longer, with dimming). Lamp replacements and associated costs are little, if any at all.

### Environmentally friendly

In addition to saving energy, LEDs are RoHS compliant and do not contain hazardous materials, such as mercury (which is found in compact fluorescent lamps).

### Little to no UV radiation

LEDs emit little to no UV radiation, which means fabrics, flooring, window coverings, and painted surfaces will not fade over time.

### Incandescent/halogen look and feel

Low-glare blended lensing and 2700K color temperature option provides the pleasing color and appearance of incandescent lighting.

## Why Choose The Ivalo® Collection by Lutron?

Ivalo light fixtures provide compatibility with Lutron controls, smooth, continuous dimming, an outstanding warranty, and unmatched technical support.

### Tested for guaranteed compatibility with Lutron controls

Ivalo fixtures were designed for ideal compatibility and performance with Lutron drivers and controls.

### Standard smooth dimming with UL Listed driver

Lumaris® is residential **FCC compliant** with the UL Listed Hi-lume® 1% 2-wire LED driver and Hi-lume Premier 0.1% voltage LED driver with Soft-on, Fade-to-Black™. Lumaris provides perfect system compatibility and smooth, flicker-free dimming for Lutron's RadioRA® 2 and HomeWorks® QS systems, as well as a full range of Lutron controls. Learn more at [lutron.com/hilumeled](http://lutron.com/hilumeled).

### Energy Star and CA Title 24 compliant options

Lumaris offers models that meet Energy Star and California Title 24 standards.

### 10-year limited warranty

The Ivalo 10-year limited warranty covers material and workmanship defects on the fixture and dimming driver for up to 10 years from the date of shipment. In addition, the LED color shift and LED color consistency are covered for up to 5 years. Most manufacturers have limited warranties that don't guarantee color consistency from fixture to fixture.

### 24/7 technical support

Lutron has 24/7 technical support as well as an LED Control Center of Excellence, devoted to providing answers to all questions about LED control solutions.

## Why Choose Lumaris?

### High 95 CRI color quality

Lumaris has high 95 CRI (typical) color quality to guarantee colors render accurately. Lumaris ensures colors will always appear the way you expect them to today and years from now.

### New! Lens option that conceals LED hot spots

The **new diffused lens** option conceals LED hot spots in high reflective surfaces such as granite countertops. Like the other Lumaris lens options, the diffused lens provides a wide 130° light distribution in a modular lighting system available in 6", 12", 18", 24", 36", or 48" sections with no visible light interruptions. This enables continuous flexible installation for both linear and radial configurations.

### Fixture to fixture color consistency

Less than 3 step MacAdam Ellipse ensures the color temperature from fixture to fixture is consistent.

### Remote mounting of LED driver for easy installation

You can remote mount the UL Listed Hi-lume 1% EcoSystem™ or 1% 3-wire driver up to 180ft away from the light source (depending on the gauge of the wire). The Hi-lume Premier 0.1% EcoSystem voltage LED driver with Soft-on, Fade-to-Black is also designed for remote mount capability up to 100ft away (depending on the gauge of the wire). All three of these options are UL Listed and feature self-contained termination areas for quick installation.

### Small profile for multiple applications

With its small profile (1.25"W x 0.5"H), Lumaris is the perfect solution for tight space lighting applications: under cabinets, counters, and shelves, coves, and path/steps (indoor only).

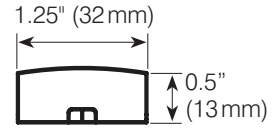
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\* Go to [lutron.com/rebates](http://lutron.com/rebates) for rebate eligibility by state.

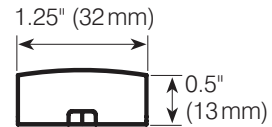
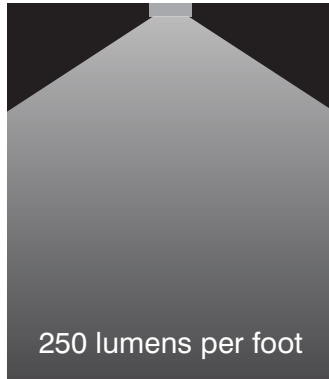
# Features



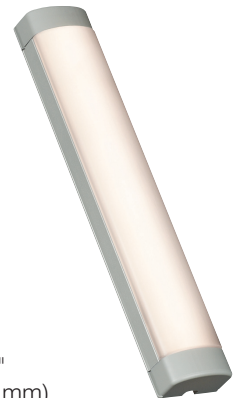
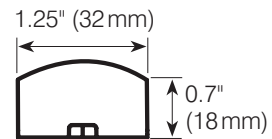
The **clear lens** option delivers more light output for general illumination



The **frosted lens** option provides soft, direct ambient or task lighting in discrete tight space applications



The **diffused lens** option conceals LED hot spots on high reflective surfaces and eliminates glare in direct line-of-sight applications.



# Specification

## Fixture Types and Options

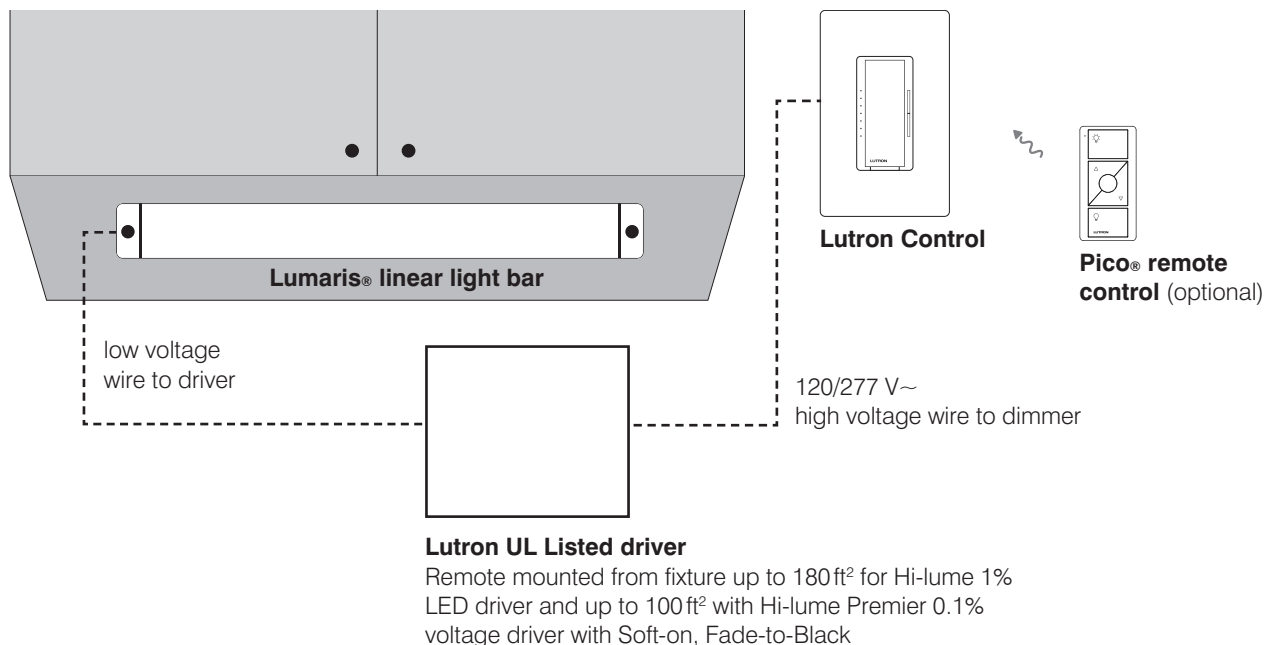
<b>Type</b>	LED Light Bar
<b>Lens</b>	Clear, Frosted, Diffused
<b>LED type</b>	2700K, 3000K, 3500K
<b>Mounting</b>	Surface, 30°/60° angle bracket option
<b>Control options</b>	Hi-lume® 1% 2-wire LED driver (120V forward phase only) Hi-lume 1% 3-wire LED driver Hi-lume 1% EcoSystem™ LED driver Hi-lume Premier 0.1% EcoSystem voltage LED driver with Soft-on, Fade-to-Black™ Hi-lume Premier 0.1% 3-wire Voltage LED driver with Soft-on, Fade-to-Black
<b>Color</b>	Silver, Black, White, Brown

## Dimensions

<b>Length<sup>1</sup></b>	6", 12", 18", 24", 36", 48"
<b>Width</b>	1.25"
<b>Height</b>	0.5" (clear/frosted lens); 0.7" (diffused lens)

<sup>1</sup> Length does not include end caps; see specification sheet for details.  
lutron.com/lumaris

## Wire Configuration



## Compatible Controls

For a list of compatible controls, visit [lutron.com/lumaris](http://lutron.com/lumaris) or contact the LED Control Center of Excellence at [leds@lutron.com](mailto:leds@lutron.com)/1.877.DIM.LEDs.

<sup>2</sup> Remote distance is based on wire gauge. See driver specs for details.

## LED Performance

<b>Power</b>	5W/ft (12")
<b>Light output</b>	Clear lens, 300 lumens/ft Frosted lens, 250 lumens/ft Diffused lens, 250 lumens/ft (measured at 2700K)
<b>Key Features</b>	
<b>Lumen maintenance</b>	50,000 hours (L70 at 40°C)
<b>Warranty</b>	10-year limited
<b>Universal power input</b>	120/277V~
<b>Ratings</b>	Damp location (silver shell finish only) Clothes closet rating



# Lumaris<sup>®</sup> Applications

Lumaris is available in flexible lengths, multiple color temperatures, and color finishes ideal for a variety of residential and architectural applications.

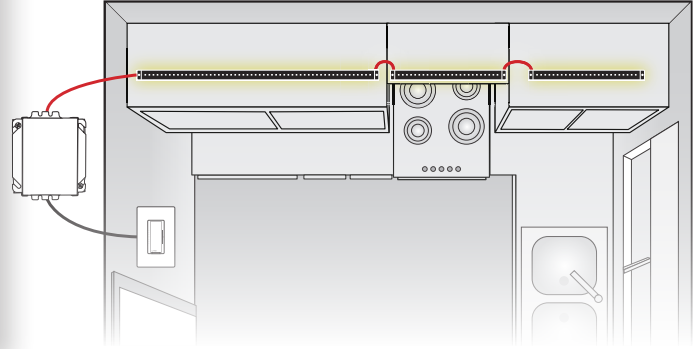


Add Lumaris for sleek architectural illumination for the following residential lighting applications:

- Cove**—indirect/uplighting that adds warmth and provides ambient aesthetics
- Under Cabinet**—task lighting that illuminates countertops
- Under Shelf**—display lighting that highlights decorative features or art
- Closet**—ceiling or wall mountable for general lighting in small rooms such as closets, storage rooms, and pantrys
- Under Counter**—accent lighting that can help set the mood
- Path/Step**—Practical, functional lighting that increases safety (perfect as a nightlight)

### Flexible installation

Link (daisy chain) fixtures together up to the full loading capacity of the connected LED driver. Self-enclosed driver can be remote mounted\* away from the LED source, allowing for easy wire termination and customization for most configurations.



 UL Listed Hi-luma 1% LED driver	 Lumaris strip lights
 Lutron Control	 Low voltage
	 High voltage

\* Remote mount distance is determined by the type of driver and the wire gauge. Reference the maximum lead length table on the Lumaris specification sheet for details, downloadable at [lutron.com/lumaris](http://lutron.com/lumaris).

# How to specify

LU L F 12 L 30 X S X U XX SI  
1 2 3 4 5 6 7 8 9 10 11 12

## Fixture Options

- 1 Family**  
LU = Lumaris®

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- 2 Type**  
L = Linear light bar

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- 3 Lens**  
C = Clear  
F = Frosted  
D = Diffused

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- 4 Length\***  
06 = 6" (152mm) (2.5W)  
12 = 12" (305mm) (5.0W)  
18 = 18" (457mm) (7.5W)  
24 = 24" (610mm) (10.0W)  
36 = 36" (914mm) (15.0W)  
48 = 48" (1219mm) (20.0W)

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- 5 LEDs**  
L = LED

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- 6 Lamp Type**  
27 = 5W/ft, 250–300lm/ft, 2700K  
30 = 5W/ft, 250–300lm/ft, 3000K  
35 = 5W/ft, 250–300lm/ft, 3500K

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- 7 Voltage**  
X = 24V<sup>---</sup>

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- 8 Mounting**  
S = Surface

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- 9 Control Option**  
X = Standard 1% dimming  
(to choose number of drivers  
see UL Listed LED Driver Kit)

\* Length does not include end caps; see specification sheet for details. [lutron.com/lumaris](http://lutron.com/lumaris)



[lutron.com/ivalo](http://lutron.com/ivalo)

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P/N 367-2466 REV G

- 10 Region**  
U = UL (North America)

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- 11 Bracket**  
XX = Standard  
AM = Angle mount (30°/60°)

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- 12 Shell Finish**  
SI = Silver  
BL = Black\*  
WH = White\*  
BR = Brown\*  
\*Only Silver shell finish is damp location rated

FXD1 40 U F1  
1 2 3 4

## UL Listed LED Driver Kit

- 1 Product**  
FXD1 = Fixtures driver

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- 2 Driver Type**  
40 = 40W Hi-lume 1% LED driver  
96\* = 96W Hi-lume Premier 0.1% voltage  
LED driver with Soft-on, Fade-to-Black™  
\*Minimum load of 25W. See spec sheet for  
other details

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- 3 Region**  
U = UL Listed (North America)

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- 4 Control Option**  
F1\* = 2-wire, 120V~  
3U = 3-wire, 120/277V~  
EU = EcoSystem™, 120/277V~  
\*Only with 40W driver

### How to build a UL Listed driver model#:

1. Determine what performance is required for the job (1% or 0.1% with Soft-on, Fade-to-Black).
  2. Calculate the total fixture wattage per zone.
  3. Determine how many of the desired drivers will be required for that zone.
  4. Repeat for each zone.
- Minimum driver load must be met. Check driver specification for details at [lutron.com/lumaris](http://lutron.com/lumaris).

