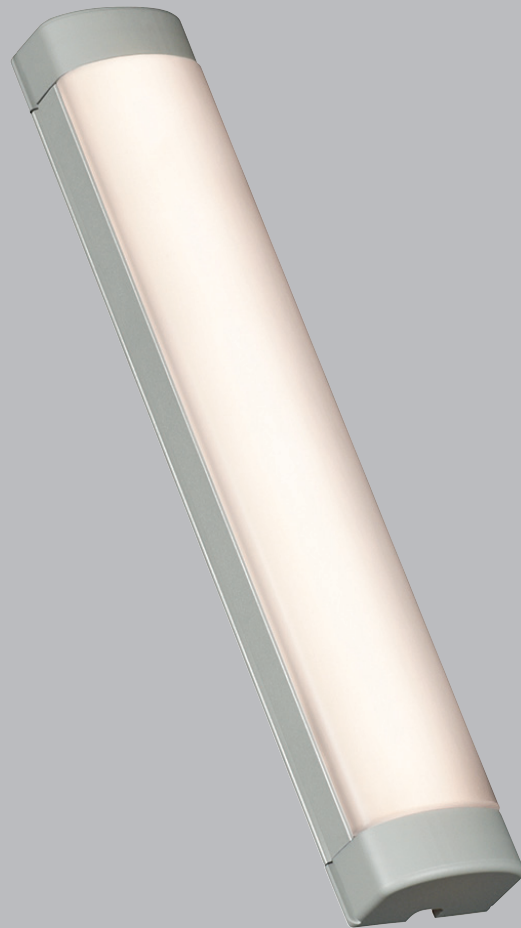# Ivalo® Lumaris® LED Linear Lighting

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%

LUTRON

IVALO COLLECTION™
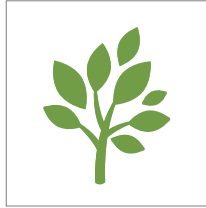
Overview

Why Choose LEDs?

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

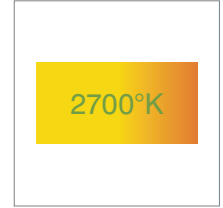| **$**	**50k+** hours		**UV**	**2700°K**
Reduced energy costs (only 5W/ft)	Reduced maintenance (50,000+ hour life)	Environmentally friendly	Little to no UV emissions	The same look and feel as incandescent/halogen

Why Choose The Ivalo® Collection by Lutron?

Guaranteed LED compatibility with 1% dimming.

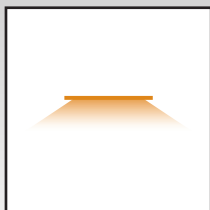| **LUTRON**	standard **1%** smooth dimming	TITLE 24 COMPLIANT	10 YEAR WARRANTY	SUPPORT 24hr SERVICE SUPPORT
Guaranteed compatibility with Lutron controls	Standard remote mount UL Listed 1% dimming driver	CA Title 24 compliant models	10-year limited warranty	LED Control Center of Excellence and 24/7 technical support

Why Choose Lumaris®?

Architectural spec grade luminaire with high quality, even light distribution.
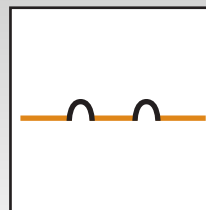
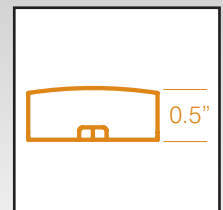| **95** CRI		**< 3** Step		0.5"
High LED color quality	**New! Lens option that conceals LED hot spots**	Fixture to fixture color consistency (less than 3 step MacAdam Ellipse)	Linkable and easy install with remote mounted driver	Small profile option for multiple applications

Benefits

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 2700 K 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**.

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 180 ft 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 100 ft 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.
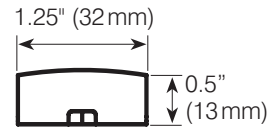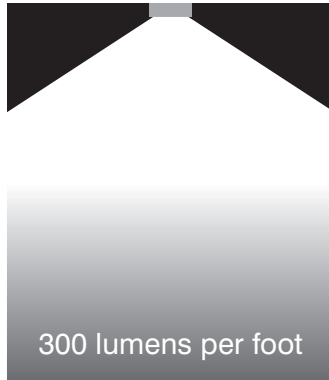
Small profile for multiple applications

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).

Features

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

1.25" (32 mm)

0.5" (13 mm)

300 lumens per foot

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

1.25" (32 mm)

0.5" (13 mm)

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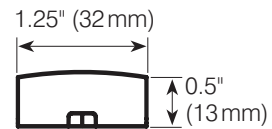
The **diffused lens** option conceals LED hot spots on high reflective surfaces and eliminates glare in direct line-of-sight applications.

1.25" (32 mm)

0.7" (18 mm)

250 lumens per foot
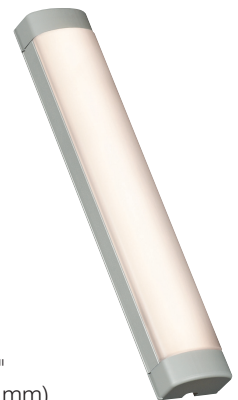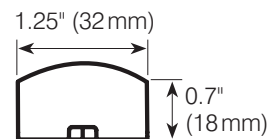
Specification

Fixture Types and Options

Type	LED Light Bar
Lens	Clear, Frosted, Diffused
LED type	2700 K, 3000 K, 3500 K
Mounting	Surface, 30˚/60˚ angle bracket option
Control options	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
Color	Silver, Black, White, Brown

Dimensions

Length[1] 6", 12", 18", 24", 36", 48"
Width 1.25"
Height 0.5" (clear/frosted lens); 0.7" (diffused lens)

[1] Length does not include end caps; see specification sheet for details. lutron.com/lumaris

LED Performance

Power	5 W/ft (12")
Light output	Clear lens, 300 lumens/ft Frosted lens, 250 lumens/ft Diffused lens, 250 lumens/ft (measured at 2700 K)

Key Features

Lumen maintenance	50,000 hours (L70 at 40º C)
Warranty	10-year limited
Universal power input	120/277 V∼
Ratings	Damp location (silver shell finish only) Clothes closet rating

Wire Configuration

Lumaris® linear light bar

low voltage wire to driver

Lutron Control

Pico® remote control (optional)

120/277 V∼ high voltage wire to dimmer

Lutron UL Listed driver
Remote mounted from fixture up to 180 ft[2] for Hi-lume 1% LED driver and up to 100 ft[2] with Hi-lume Premier 0.1% voltage driver with Soft-on, Fade-to-Black

Compatible Controls

For a list of compatible controls, visit **lutron.com/lumaris** or contact the LED Control Center of Excellence at **leds@lutron.com**/1.877.DIM.LEDs.

[2] Remote distance is based on wire gauge. See driver specs for details.

Lumaris®
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-lume 1% LED driver		Lumaris strip lights
		Low voltage
Lutron Control		High voltage
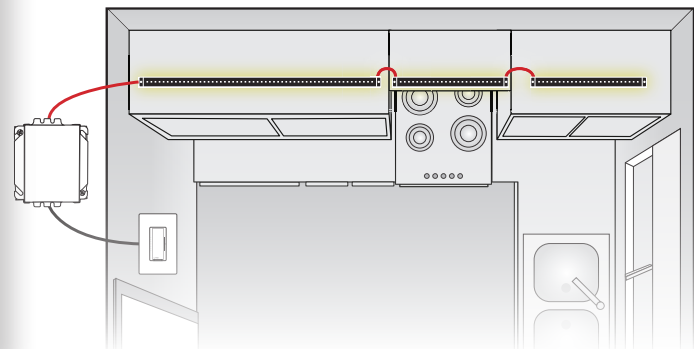
*Remote mount distance is determined by the type of driver and the wire gauge. Reference the maximum lead length table on the Lumaris specification sheet for details, downloadable at **lutron.com/lumaris**.

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®

2 Type
L = Linear light bar

3 Lens
C = Clear
F = Frosted
D = Diffused

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

5 LEDs
L = LED

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

7 Voltage
X = 24 V⎓

8 Mounting
S = Surface

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**

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IVALO COLLECTION™

lutron.com/ivalo

Lutron Electronics Co., Inc.
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Coopersburg, PA 18036-1299

Customer Service and 24/7 Technical Support:
610.282.7472 or fixtures@lutron.com

10 Region
U = UL (North America)

11 Bracket
XX = Standard
AM = Angle mount (30˚/60˚)

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

2 Driver Type
40 = 40 W Hi-lume 1% LED driver
96* = 96 W Hi-lume Premier 0.1% voltage
LED driver with Soft-on, Fade-to-Black™

*Minimum load of 25 W. See spec sheet for
other details

3 Region
U = UL Listed (North America)

4 Control Option
F1* = 2-wire, 120 V~
3U = 3-wire, 120/277 V~
EU = EcoSystem™, 120/277 V~

*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**.

UL LISTED c(UL)us

BEST OF 2015 PRODUCTS