Ivalo® Lumaris® LED Linear Lighting

Luxury LED Linear Lighting by Ivalo

Guaranteed Lutron control compatibility

- Smooth, continuous dimming from 100% to 0.1% with Soft-on Fade-to-Black options
- 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
Overview

Why Choose LEDs?

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

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

**2700K**
**3000K**
**3500K**

Why Choose The Ivalo® Collection by Lutron?

**Guaranteed LED compatibility down to .1% dimming.**

- **LUTRON.** Guaranteed compatibility with Lutron controls
- **Standard remote mount UL Listed 1% dimming driver**
- **CA Title 24 compliant models**
- **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** High LED color quality
- **Diffused Lens option that conceals LED hot spots**
- **Linkable and easy install with remote mounted driver**
- **Small profile option for multiple applications**
- **10-year limited warranty**
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.

**CA Title 24 compliant options**
Lumaris offers models that meet California Title 24 standards.

**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.

**Diffused Lens option that conceals LED hot spots**
The 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.

**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).

**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.

* Go to lutron.com/rebates for rebate eligibility by state.
The **clear lens** option delivers more light output for general illumination.

- **300 lumens per foot**

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

- **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.

- **250 lumens per foot**
Fixture Types and Options

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

LED Performance

<table>
<thead>
<tr>
<th>Power</th>
<th>5 W/ft (12&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light output</td>
<td>Clear lens, 300 lumens/ft</td>
</tr>
<tr>
<td></td>
<td>Frosted lens, 250 lumens/ft</td>
</tr>
<tr>
<td></td>
<td>Diffused lens, 250 lumens/ft (measured at 2700 K)</td>
</tr>
</tbody>
</table>

Key Features

<table>
<thead>
<tr>
<th>Lumen maintenance</th>
<th>50,000 hours (L70 at 40ºC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Warranty</td>
<td>10-year limited</td>
</tr>
<tr>
<td>Universal power input</td>
<td>120/277 V~</td>
</tr>
<tr>
<td>Ratings</td>
<td>Damp location (silver shell finish only)</td>
</tr>
<tr>
<td></td>
<td>Clothes closet rating</td>
</tr>
</tbody>
</table>

Dimensions

<table>
<thead>
<tr>
<th>Length</th>
<th>6&quot;, 12&quot;, 18&quot;, 24&quot;, 36&quot;, 48&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>1.25&quot;</td>
</tr>
<tr>
<td>Height</td>
<td>0.5&quot; (clear/frosted lens); 0.7&quot; (diffused lens)</td>
</tr>
</tbody>
</table>

Dimensions do not include end caps; see specification sheet for details.

Wire Configuration

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.

Remote distance is based on wire gauge. See driver specs for details.
Lumaris is available in flexible lengths, multiple color temperatures, and color finishes ideal for a variety of residential and architectural applications.

lutron.com/lumaris
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 pantries
- **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.

* 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.

Visit [www.lutron.com/lumarisdesignguide](http://www.lutron.com/lumarisdesignguide) for more details.
**Fixture Options**

<table>
<thead>
<tr>
<th>Family</th>
<th>Type</th>
<th>Lens</th>
<th>Length</th>
<th>LEDs</th>
<th>Lamp Type</th>
<th>Voltage</th>
<th>Mounting</th>
<th>Control Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>LU</td>
<td>L</td>
<td>C</td>
<td>06</td>
<td>L</td>
<td>27</td>
<td>X</td>
<td>S</td>
<td>X = Standard 1% dimming</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>12</td>
<td></td>
<td>30</td>
<td></td>
<td></td>
<td>(to choose number of drivers)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>18</td>
<td></td>
<td>35</td>
<td></td>
<td></td>
<td>see UL Listed LED Driver Kit</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>24</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>36</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>48</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**How to specify**

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

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

**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™
   - *Soft-on, Fade-to-Black with Ecosystem only. 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 40 W 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).