

Dramatically Reduce Lighting Costs Not Quality or Occupant Comfort.

The New LumiSmart ILC by Cavet Technologies Intelligent Lighting Controllers for Fluorescent Lighting Systems.

Introducing the LumiSmart Intelligent Lighting Controller (ILC), a low-cost programmable energy saving lighting controller. The LumiSmart ILC will automatically reduce lighting costs for fluorescent and compact fluorescent lighting systems by 30% or more without compromise to quality of light or occupant comfort while improving power factors. Unlike energy saving ballast or software based solutions, LumiSmart ILC can be installed in minutes and the benefits are immediate. A single LumiSmart ILC can effectively reduce energy consumption for up to 130 fluorescent tubes.



**A Smart, Cost Effective
Solution!**

LumiSmart ILC is ideal for new or existing commercial, industrial, institutional, parking garages or retail environments where fluorescent lighting is the dominant lighting system. The LumiSmart ILC controller is ESA, CSA, TUV, cULus and FCC certified for all standard voltages (120V, 240V, 277V, 347V) and easily connects to any lighting distribution panel. LumiSmart ILC is compatible with up to 20Amp breakers and is certified to manage loads of up to 6.9 kilowatts.

Compelling Savings, Compelling Return on Investment

LumiSmart ILC can be installed by any licensed electrician within 30 minutes and the energy and cost savings are immediate. A typical LumiSmart ILC installation will provide a payback period of 6 - 36 months. Over a five year period, a single LumiSmart ILC can save you over \$15,000 in energy costs (on a 347V system controlling up to 100 x 60W fluorescent fixtures).

Performance Metrics:

- SmartGrid Solution ideal for Electrical Demand Management and Demand Response Programs
- Controls light output to fluorescent on circuits from 120V to 347V, single phase and three phase (50 & 60 hz. electrical systems)
- Continuous power / light levels from 100% to 0%
- Control efficiency output 103% (light output/ watts input)
- Provides power factor correction (capacitive)
- Solid state power control design, high speed, high reliability.
- Built in bypass switch and indicator lights
- Automated self-monitoring circuit
- External communications available for remote power control at the lighting power circuit bank level
- No warm up required
- Simple four wire installation without any changes to the downstream lighting circuit
- Can be wired and operational within 30 minutes, by a licensed electrician at the main lighting breaker panel for a full 20 Amp load.
- There is no perceived effect on visual performance at moderate power reduction levels in a 30% to 40% range
- ESA, TUV, CSA, cULus, FCC Certified

Lighting Control Overview:

The LumiSmart ILC will connect to any lighting distribution panel. The controller is compatible up to 20 Amp breakers and can control up to 6.9 kilowatts of power.

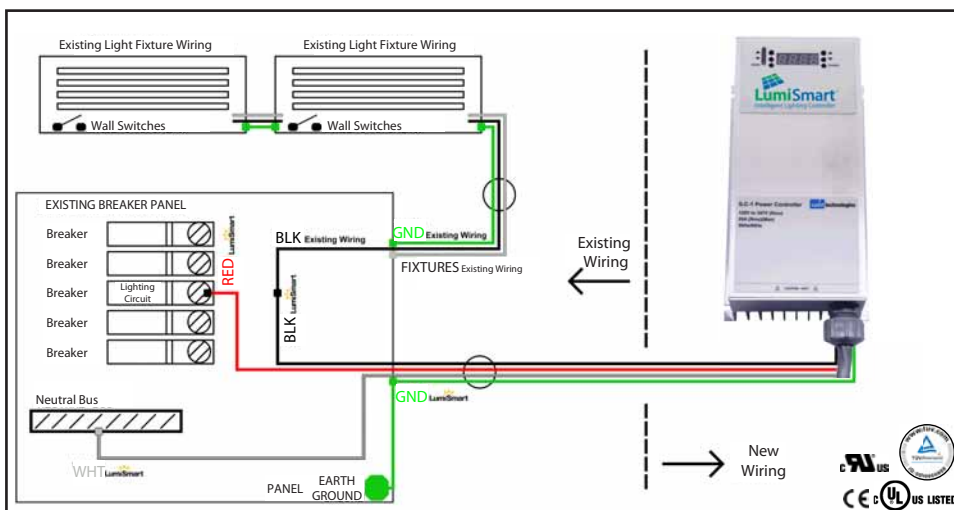
40 Watt 4 ft. long Fluorescent tubes

Voltage	No. of Lights Managed
120V	50 Fluorescent Tubes
240V	100 Fluorescent Tubes
277V	110 Fluorescent Tubes
347V	130 Fluorescent Tubes

60 Watt 8 ft. long Fluorescent tubes

Voltage	No. of Lights Managed
120V	35 Fluorescent Tubes
240V	70 Fluorescent Tubes
277V	80 Fluorescent Tubes
347V	100 Fluorescent Tubes

Wiring Diagram:



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