

Ergolight® Controls

System Specifications

One luminaire per workstation provides ergonomic lighting and up to 85% energy savings

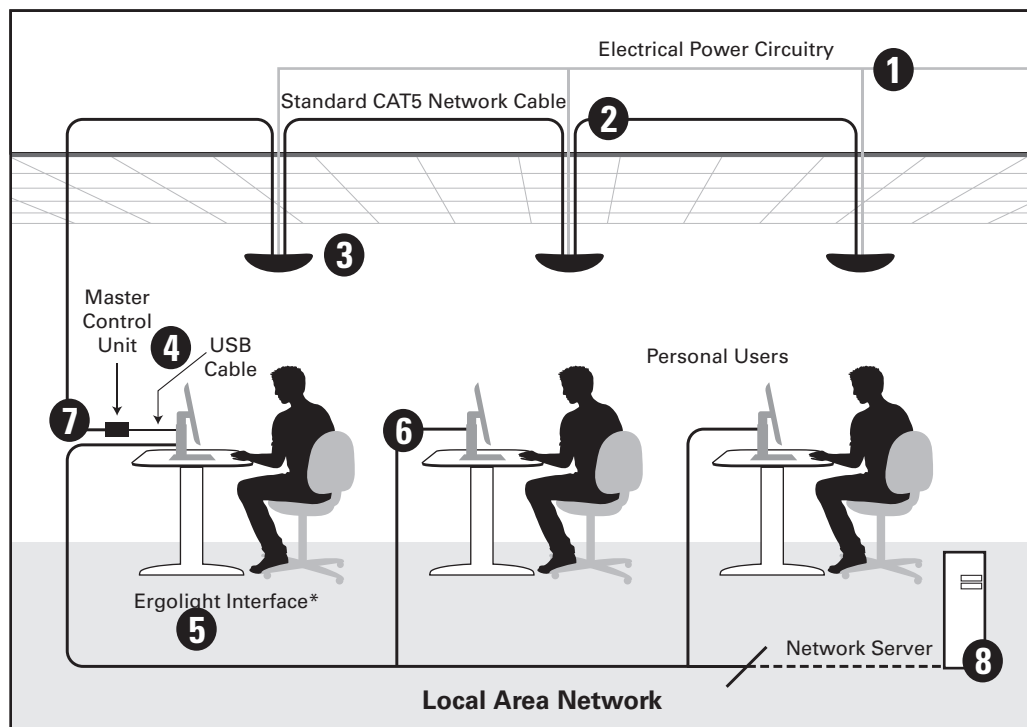
Personal dimming control from user's desktop computer

Integrated daylight sensors and occupancy sensors with dimming and switching controls

System-wide energy management and reporting functionality

Powerful software enables controls commissioning with the click of a mouse

The Lighting Network



- (1) Fixtures are connected to the building's electrical power supply.
- (2) Using standard CAT5 network cable (supplied), fixtures are connected together to create a lighting network.
- (3) Fixtures are pre-assigned permanent, serial identification numbers to facilitate rapid commissioning of the system.
- (4) The lighting network is connected to an Ergolight Master Control Unit (MCU). USB cable connects the MCU to a computer with Ergolight Interface software installed (computer supplied by others).
- (5) The Ergolight Interface computer is the main communication portal for the lighting network, operating 24/7 to process lighting commands and collect power data.
- (6) The facility manager (via Ergolight Manager software*) and personal users (via Ergolight Control software) send lighting commands to the Interface computer over the local area network (LAN).
- (7) The Interface computer relays commands to appropriate fixtures.
- (8) Ergolight software is never installed on the network server. Lights function even if the network is down.

**Note: Using Ergolight Manager software, facility managers can control the entire lighting system. Both task and ambient lamps can be controlled in real time or scheduled in advance. Control settings can be applied to individual fixtures, groups/areas, or to the entire lighting network. Ergolight Manager software is typically installed on the Interface computer, but can reside on any computer located on the LAN.*

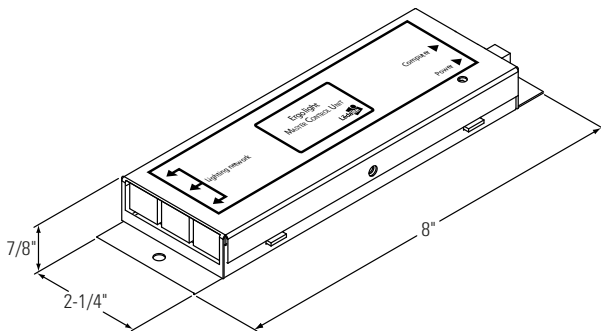
Ergolight Controls

Ergolight MCU

The Ergolight MCU translates commands from the system software to the lighting network. One MCU supports up to 800 fixtures on a single line, offering scalability for growth and flexibility for change.

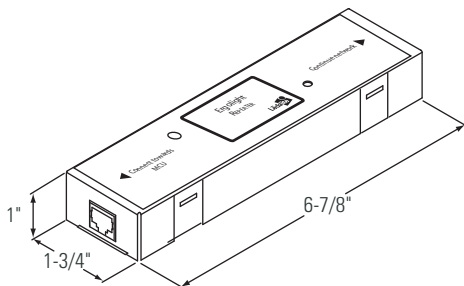
The MCU kit includes:

- 120V AC Power Adapter
- USB Cable
- Ergolight System Software CD
- Ergolight System Manual



Ergolight Repeater

The Ergolight repeater is used to boost the communication signal. One repeater is required after every 150 luminaires (beyond the first 150).



Due to continuing product improvements, Ledalite reserves the right to change specifications without notice. For the most recent specification data sheets, please visit: www.ledalite.com

System Specifications

Occupancy Sensors

UL listed, passive infrared detector head with detection indicator; adjustable time delay; supplied with a selection of field-installable masks to set the pattern of detection to match the space; multiple fixtures can be linked so that lamps function in unison whenever any of the linked occupancy sensors are triggered. Software enables facility manager to change occupancy sensor settings to control task lamps only, or task and ambient lamps.

Daylight Sensors

Luminance sensor positioned to respond to changes in representative work surface brightness due to changing daylight conditions; closed-loop integral controller provides 0-10 volts DC output maintaining a constant luminance setpoint; setpoint established or changed when light level is selected by user; luminance sensor field-of-view is a cone 20-30 degrees from vertical. Daylight sensors can be set to control task lamps only, or task and ambient lamps.

Personal Dimming

Ergolight Control software is installed on personal computers to give users dimming and switching control over personal luminaires. PCs must be located on local area network. Software is capable of controlling task lamps only, or task and ambient lamps.

Central Control

All Ergolight Controls functions and power tracking can be applied to individual fixtures, groups / areas, or to the entire lighting system via Ergolight Manager software installed on a PC located on the local area network. Separate controls for task and ambient lamps can be enabled in real-time or scheduled as events, including sensor settings, peak-demand load shedding, dimming and switching.

The Ergolight Interface computer is connected to the Ergolight Master Control Unit via a USB port connection. The Interface computer operates 24/7.

Low Voltage Network Cabling

Plenum rated CAT5, 24 gauge cable comes with RJ45 connectors at each end.

Supported Operating Platforms

Operating System: Windows 2000 or XP
Network Software: Novell and Windows

Minimum System Requirements

Ergolight Interface computer: Intel Pentium processor 133 MHz or higher; 64MB RAM (128MB recommended); 20MB free space on hard disk; CD-ROM drive; availability to run 24/7; VGA or higher resolution monitor.

Ergolight Manager computer: Intel Pentium processor 133 MHz or higher; 64MB RAM (128MB recommended); 20MB free space on hard disk; CD-ROM drive; availability to run 24/7 recommended; VGA or higher resolution monitor.

Personal Computers (with Ergolight Control software): Intel Pentium processor 133 MHz or higher; 64MB RAM; 1MB free space on hard disk; CD-ROM drive; VGA or higher resolution monitor.