



WL Series - WLCT

Winglight, 0-10V Dimming Control

Poultry Specific Lighting

1-4 Zone Compatible

Project:

Location:

Cat.No:

Notes:

Product Description

Our 0-10V dimming control solves the compatibility issue between traditional poultry barn controllers and modern LED lighting systems. It converts “source” signals from poultry controllers into the “sink” signals required by 0-10V dimmable LED fixtures, enabling direct operation from your existing barn controller. With four independent zones and custom programming, it ensures light output directly corresponds to controller settings—so a 50% setting delivers exactly 50% light output.

Application

This unit is designed for installation in poultry barn control rooms, serving as the central hub for managing Winglight lighting systems across multiple barns or areas. It's ideal for facilities requiring precise lighting control, automated scheduling, and seamless integration with existing poultry management systems.

Features

- 4-zone control compatibility for multi-area management.
- Universal compatibility (seamlessly connects to existing poultry barn controllers).
- 0.1% - 100% 0-10V dimming provides precise lighting control.
- Control up to 4 separate zones with 250 lights maximum per zone.
- Easy installation and setup (connect dimming leads and AC power—that's it).
- Run all lighting schedules directly from your main poultry controller.

Options

- Operate each zone separately for independent control.
- Programmable dimming effects (configured by JW LED Inc.)
- Customizable color temperature and CRI values for optimal lighting.
- Barn-specific light levels and lighting control settings.

Mounting

- Surface - mounts directly to any wall.

Installation

Power the controller by connecting AC line voltage to the L, N, and G terminals, then connect your 0-10V inputs and outputs. Begin dimming immediately. **Basic configuration completed beforehand by JW LED Inc.*



5 YEAR
WARRANTY



Ordering Guide Example:WLCT-UNV42P

| Voltage | Number Of Zones | Number Of Lights Per Zone |
|--------------|--|------------------------------|
| UNV 120-277V | 4 4 Zones 3 3 Zones 2 2 Zones 1 1 Zones | 2P Max 250 Fixtures Per Zone |



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Approved for use in Canada and USA. Includes standard 5-year warranty—view our warranty policy for complete details.