

Halco Controls Ready Flat Panel Series - Frequently Asked Questions

1. What are the key features of the Halco Controls Ready Flat Panel Series?

The Halco Controls Ready Flat Panel Series offers a range of features for versatile and efficient lighting. These include:

- **Sizes:** Available in 1x4, 2x2, and 2x4 foot dimensions.
- **CCT Selectability:** Users can choose between 3500K, 4000K, and 5000K color temperatures.
- **Lumen Selectability:** Multiple lumen output levels are available, which are field selectable.
- **Controls Ready:** Equipped with a 3.5mm receptacle for easy integration of PIR or microwave sensors, enabling features like occupancy detection and daylight harvesting.
- **Construction:** Features a durable steel housing with an extruded aluminum frame and an acrylic lens.
- **Long Lifespan:** L70 lumen maintenance of over 50,000 hours.
- **Dimming:** 0-10V dimming down to 10%.

2. What applications are the Halco Controls Ready Flat Panels suitable for?

These flat panels are designed for a variety of indoor applications, including:

- **Schools:** Providing efficient and adjustable lighting for classrooms.
- **Offices:** Offering comfortable and customizable illumination for work environments.
- **Healthcare Facilities:** Meeting the specific lighting needs of healthcare settings.
- **Commercial and Retail Spaces:** Creating well-lit and inviting environments.

3. What is the "Controls Ready" aspect of these flat panels?

The "Controls Ready" designation refers to the inclusion of a 3.5mm receptacle on FPLCR models. This receptacle allows for easy integration of external sensors such as:

- **PIR Sensors:** Detect occupancy based on infrared motion.
- **Microwave Sensors:** Detect occupancy using microwave technology.
- **Daylight Harvesting Sensors:** Adjust light output based on available natural light.

This enables automated control of the lighting system for energy savings and improved user experience.

4. What certifications and compliances do these flat panels have?

The Halco Controls Ready Flat Panel Series is certified and compliant with several standards:

- **cETLus:** Ensuring safety and compliance with North American standards for electrical products in damp locations.
- **IC Rated:** Suitable for direct contact with insulation.
- **DLC Premium Listed:** Meeting the stringent requirements for energy efficiency and quality set by the Design Lights Consortium. These panels boast >125 lumens per watt.
- **FCC Part 15 Compliant:** Meeting requirements for minimizing radio frequency interference.
- **RoHS Compliant:** Restricting the use of hazardous substances in electrical and electronic equipment.
- **TAA Compliant:** Compliant with the Trade Agreements Act, making them suitable for U.S. government projects.
- **IP20 Rated:** Protected against solid objects greater than 12mm.
- **CA Title 24:** Product can be used to comply with California Title 24 energy efficiency standards.

5. What accessories are available for the Halco Controls Ready Flat Panels?

A range of accessories is available to enhance the functionality and installation of these flat panels:

- **Surface Mount Kits:** Allow for mounting on ceilings where recessed installation is not possible.
- **Drywall Flange Mount Kits:** Facilitate installation in drywall ceilings.
- **Extended Junction Box:** Provides additional space for wiring.
- **Emergency Battery Pack:** Provides backup power in case of a power outage.
- **Emergency Battery Mounting Brackets** Needed for installing the emergency battery packs.
- **PIR and Microwave Sensors:** Enable occupancy-based lighting control and daylight harvesting.
- **Motion Control Sensor Remote** - Remote control for the sensors

6. How do I select the appropriate lumen output and color temperature for my application?

The Halco Controls Ready Flat Panels feature field-selectable lumen output and color temperature switches. This allows you to adjust the lighting to meet the specific needs of your space:

- **Lumen Output:** Choose a higher lumen output for areas requiring brighter illumination, and a lower output for areas where a more subdued lighting is desired.
- **Color Temperature:**
 - 3500K (Warm White): Creates a warm and inviting atmosphere, suitable for areas where comfort is a priority.
 - 4000K (Neutral White): Provides a balanced and natural-looking light, ideal for general office and retail spaces.
 - 5000K (Cool White): Offers a bright and energizing light, suitable for task-oriented environments like schools and healthcare facilities.

7. What are the installation options for the Halco Controls Ready Flat Panels?

These panels offer multiple installation options:

- **Recessed Mounting:** Standard installation into T-bar ceilings.
- **Surface Mounting:** Using optional surface mount kits.
- **Drywall Mounting:** Using optional drywall flange mount kits.

8. What is the warranty for the Halco Controls Ready Flat Panel Series?

The Halco Controls Ready Flat Panel Series comes with a 5-year limited warranty from the date of purchase. This warranty covers any failure to meet the specifications provided on the product packaging, with replacement of the product being the sole remedy available. The warranty excludes liability for incidental or consequential damages.