

UNDERWRITERS LABORATORIES INC.

GENERAL INFORMATION FOR ELECTRICAL EQUIPMENT

UL 48 IFAY

ELECTRICAL DISCHARGE LIGHTING SYSTEMS, COLD CATHODE (IFAY)

USE

This category covers lighting systems that incorporate electric discharge tubing with **ferrule type end caps**, commonly referred to as cold cathode lighting, which is electrically connected to the output of a transformer, power supply or ballast by **ferrule type lampholders**. Each transformer or power supply in the system is not rated more than 120 mA operating current (**150 mA rated output current**) when the open circuit voltage is over 7500 V, and not more than 240 mA operating current (**300 mA rated output current**) when the open circuit voltage is 7500 V or less. These systems are for installation in accordance with **Article 410 of the National Electrical Code**.

These lighting systems may incorporate transformers, power supplies or ballasts that have a marked output voltage greater than 1000 V. Such systems are not intended for use in dwellings in accordance with Article 410 of the National Electrical Code.

These lighting systems provide general illumination in accordance with Article 410 of the National Electrical Code.

For additional information, see Luminaires and Fittings (HYXT) and Electrical Equipment for Use in Ordinary Locations (AALZ).

INSTALLATION INSTRUCTIONS

Electrical discharge lighting systems are provided as a system of parts that are field installed. These systems are installed using tools and techniques available only to an electrician. The systems are provided with installation instructions which define the scope of the system and method for installation. It is intended that the system installation instructions be retained with the installation to which they apply.

The Listing of a lighting system does not constitute approval of the design which is the responsibility of the manufacturer and the Authority Having Jurisdiction nor approval of the installation. The final acceptance of the field-installed lighting system is the responsibility of the Authority Having Jurisdiction.

PRODUCT MARKING

These lighting systems may incorporate ballasts that have marked output voltages 1000 V or less. Such systems are intended for use in dwellings and other premises when provided with circuit interrupting lampholders that de-energize the circuit during lamp replacement, unless they are marked "Not for Dwelling Use."

These systems are intended for permanent installation in indoor, dry locations unless marked in combination with the Listing Mark "Suitable for Damp Locations" or "Suitable for Wet Locations."

UL MARK

The Listing Mark of Underwriters Laboratories Inc. on each transformer and transformer enclosure, and the containers in which the remaining lighting system parts are packaged, or on the remaining lighting system parts themselves, referencing a specific field-installed System Number, is the only method provided by UL to identify these lighting systems covered under its Listing and Follow-Up Services. The Listing Mark for these systems includes the name and symbol of Underwriters Laboratories Inc. (as illustrated in the Introduction of this Directory) together with the words "LISTED," an issue number, "Field-Installed Electric Discharge Lighting System Part," and the words "The Listing of this lighting system is contingent upon installation according to the specifications of (Listee's Name), System No. _____ and the National Electrical Code."