

Product Overview

Rapid Start Ballasts

These ballasts provide smooth starting to Rapid Start lamps — reaching full brightness in about two seconds without the use of starters. They have built-in filament windings that energize the low-voltage cathodes in Rapid Start lamps. Because electrodes are continuously heated, less voltage is required to strike an arc through a Rapid Start lamp than a Slimline one.



Rapid Start Ballasts

Ballasts for T12/T10 Applications

Universal offers a wide variety of T12 and T10 ballasts to operate 1 - 3 Rapid Start lamps. This lamp/ballast system provides smooth, virtually instant starting without the use of starters (30- and 40-watt T12 models and 40-watt T10 models are available). Models for U-lamp applications are also available. UNIVERSAL® PLUS models are available for use where maximum efficiency is required. These "hybrid" type ballasts incorporate an electronic switch which disconnects power to the lamp cathodes after start-up, saving additional energy.



T12/T10 Applications

Ballasts for T8 Applications

Universal's T8 product offering includes models for F17, F25, F32 and F40 type T8 lamps. This product line features our OcTek™ electromagnetic ballast models. These models are low initial cost energy efficient options for use with F32T8, 4 foot Rapid Start lamps. These models are available in several variations, including full, medium, low light output and hybrid versions (OcTek™ Plus). These models maximize energy savings and provide effective choices when retrofitting 4-foot T12 fixtures.



T8 Applications

Slimline Ballasts

Our Slimline models are designed for use with single-pin Slimline lamps. They do not require the use of starters. These ballasts deliver a high starting voltage to the lamps, enabling an arc to strike through the tube without preheating the lamp cathodes (which are specially constructed to withstand the shock).



Slimline Ballasts

Product Overview

Circline Ballasts

These products are available in 430 mA Rapid Start and preheat types, designed for use with Circline lamps. The operating characteristics are the same for both Circline and conventional lamps. All Circline socket wires are fully sleeved.

Trigger-Start Ballasts

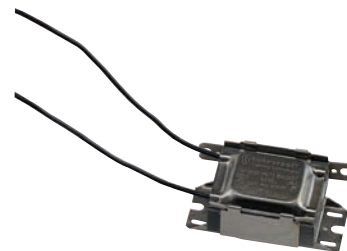
These ballasts are designed for use with general fluorescent lamps and do not require the use of starters. They contain preheat windings which allow regular lamp filaments to be heated in one second. However, they require a higher open-circuit voltage than Rapid Start ballasts.

Preheat Ballasts

These units are designed for use with general fluorescent lamps and require the use of starters. These ballasts deliver an open-circuit voltage high enough to activate the starter to preheat lamp filaments to a temperature approximately 1750° F. After a few seconds, the starter opens the filament circuit. This provides an additional power surge to enable an electric arc to strike through the lamp and ignite it. Lamp current is then limited by the ballast to an operating level proper for the lamp.

Export (50/60 Hz) Ballasts

Our export product offering consists of a variety of one- and two-lamp models for Rapid Start, Preheat, High Output, Slimline, and 1500 mA lamps. Included in this product line are ballasts for 50 and 60 Hz applications, including 120, 127 and 220 volts. Many of these models are available with resetting thermal protection.



Preheat Ballast



Export (50/60 Hz) Ballast