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WHEN TO REPLACE A STANDARD BALLAST



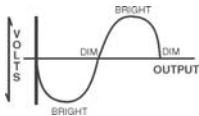
HUM AND VIBRATION

If your fixture is making excessive noise (hum) and/or vibrating, the laminations on the windings are breaking down. The windings short out and the ballast is out-of-spec.



LAMP FLICKERING

Persistent flickering lamps in a fixture can indicate a weak ballast, or indicate the ballast is of inferior low-frequency design.



SHORT LAMP LIFE

If the ballast is operating out-of-spec, lamps will burn out prematurely. As the ballast falls further out-of-spec, lamps burn out faster and faster.



LAMP DARKENING ON ONE END

Ballasts operating out-of-spec cause lamps to darken more on one end than the other.



HOT TO THE TOUCH

If you can't touch the ballast with your hand for more than a few seconds, the ballast is malfunctioning, generating excess heat.



FIXTURE CYCLES ON AND OFF

Ballast is overheating, causing the ballast's thermal switch to cut out.

SHORTLIFE BALLAST IS OVER TWO YEARS OLD

Standard ballasts are usually out-of-spec after two years. Sometimes identifiable when a ballast is too weak to start new lamps, but may light old lamps which require a lower starting voltage.

WHEN A BURNED OUT LAMP IS REPLACED

Shortlife ballasts are usually out-of-spec by the time its first lamps burn out.

U.S. FEDERAL GOVERNMENT OUTLAWS MAGNETIC BALLASTS!

- Applies to F40T12 and F96T12/IS.
- After June 30, 2005, cannot be installed in new fixtures (by manufacturer).
- After June 30, 2010, cannot be manufactured for replacement purposes.

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