

MAINTENANCE ENGINEERING'S

**NEW** *PREMIRA*<sup>®</sup>



# ELECTRONIC BALLASTS



## THE HEART OF FLUORESCENT LIGHTING

- WEIGHS UP TO 62% LESS
- EASIER TO INSTALL



*They*

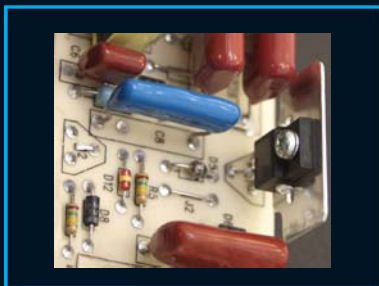
- EXTEND LAMP LIFE
- CUT LABOR COST
- REDUCE RECYCLING COST
- SAVE UP TO 44% ENERGY

**NEW** **M.E. PREMIRA® BALLASTS**  
**- BUILT TOUGHER & SMARTER -**

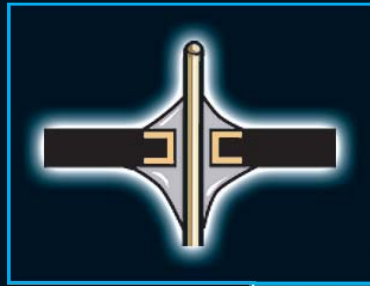


*Features*

**• TOUGH PREMIUM QUALITY CONSTRUCTION**



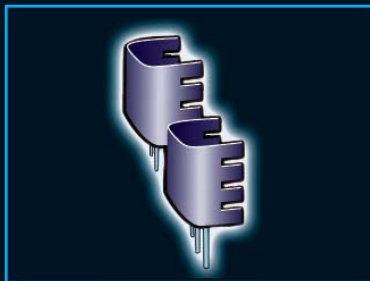
**50-YEAR COMPONENTS**  
**-STAY IN SPEC**  
**-COOL OPERATION**



**DOUBLE CONTACT CIRCUITRY\***  
**-RESISTS HEAT AND VIBRATION**



STANDARD BALLAST  
 - shortlife components



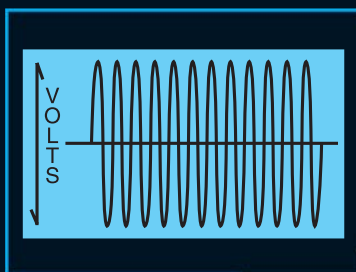
**LARGE HEAT SINKS**  
**-PROTECTS ELECTRONICS**



STANDARD BALLAST  
 - connections fail



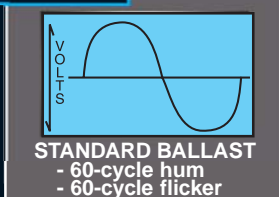
STANDARD BALLAST  
 - overheats and fails



**42,000+ CYCLE DESIGN**  
**-NO HUM**  
**-NO FLICKER**  
**-SAVES ENERGY**



**MAXIMIZES LAMP LIFE**  
**-BALLAST MATCHES LAMP ELECTRICAL CHARACTERISTICS**



STANDARD BALLAST  
 - 60-cycle hum  
 - 60-cycle flicker



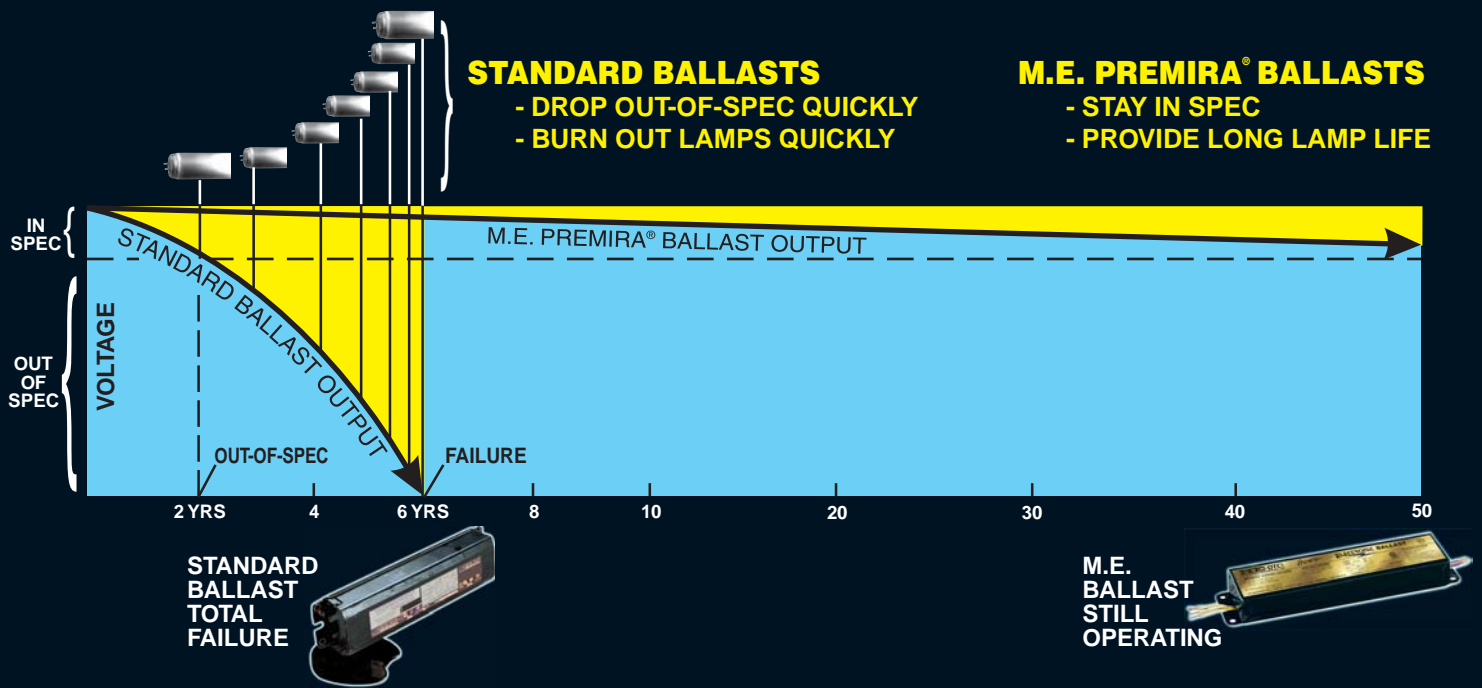
STANDARD BALLAST  
 - lamps burn out early

\* HO's feature extra-rugged connections

*Features*

# • SMART ELECTRONICS

- UP TO 44% ENERGY SAVINGS
- ELIMINATE EARLY BURNOUTS



# PREMIRA® • ELECTRONIC BALLASTS

## • SAVE LAMP COSTS

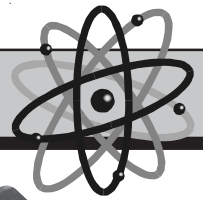
- FEWER LAMPS REPLACED
- LESS LABOR
- LESS LAMP RECYCLING

## • SAVE BALLAST COSTS

- FEWER BALLASTS REPLACED
- LESS LABOR
- LESS BALLAST RECYCLING
- SAVES ENERGY

*and best of all, they're*

• GUARANTEED FOR **50** YEARS

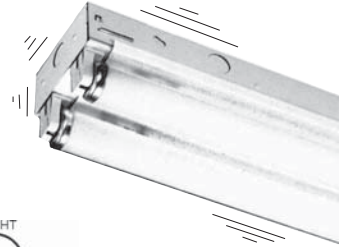


## WHEN TO REPLACE A STANDARD BALLAST



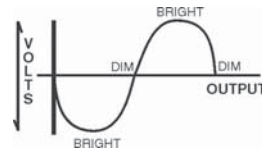
### HUM AND VIBRATION

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.

### WHEN A BURNED OUT LAMP IS REPLACED

Shorliffe 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.