

# ESR416-12

## APPLICATION and PERFORMANCE SPECIFICATION

Electronic ballast for (2/1) T12HO lamps up to 8ft long. 4 feet to 16 feet total length.  
 Electronic ballast for (2/1) T8HO lamps up to 6ft long. 4 feet to 12 feet total length.

- Line Voltage: 120 to 277 vac,  $\pm 10\%$ , 50/60Hz
- Series Lamp Operation
- Rapid Start Operation
- Active Power Factor Correction

\*60 Hz data

| Lamp  |     | Lamp Footage |     | Volts | Max Input Power (Watts) | Nominal Line Current (Amps) | Power Factor | THD  | Crest Factor |
|-------|-----|--------------|-----|-------|-------------------------|-----------------------------|--------------|------|--------------|
| Type  | #   | Min          | Max |       |                         |                             |              |      |              |
| T12HO | 2,1 | 4            | 16  | 120   | 142                     | 1.18                        | >.90         | <10% | <1.7         |
| T12HO | 2,1 | 4            | 16  | 277   | 139                     | 0.50                        | >.90         | <10% | <1.7         |
| T8HO  | 2,1 | 4            | 12  | 120   | 129                     | 1.07                        | >.90         | <10% | <1.7         |
| T8HO  | 2,1 | 4            | 12  | 277   | 128                     | 0.46                        | >.90         | <10% | <1.7         |

Application and Performance Specification Information Subject to Change without Notification.

Power Factor < 90% @ 277volts 5ft and under.

### Performance:

- Meets ANSI Standard C82.11-2011
- Meets ANSI Standard C62.41-2002
- Meets FCC Part 18 (Class A) for EMI and RFI non-consumer limits

### Safety:

- No PCB's
- cUL<sub>US</sub> Listed (Class P, Type HL, Type 2 Outdoor)
- cCSA<sub>US</sub> Listed

### Application:

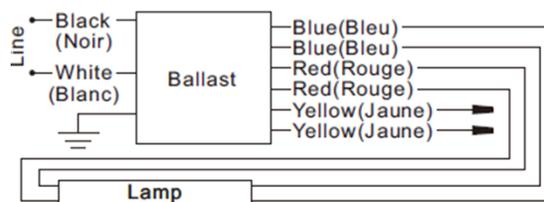
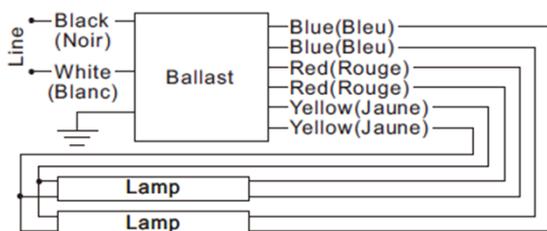
- Minimum Starting Temperature: -20° F, -29° C
- Energy Saving Lamps: 60° F, 16° C
- Maximum Case Temperature: 176° F, 80° C
- Sound Rated: A

### Physical Parameters:

- Length: 11.75"
- Width: 1.7"
- Height: 1.2"
- Weight: 2.0 lbs
- Carton Quantity: 1 piece
- Lead length: Black, White 25" ( $\pm 1"$ )  
Red, Blue 46" ( $\pm 1"$ )  
Yellow 70" ( $\pm 1"$ )

### Warranty:

Universal Lighting Technologies warrants to the purchaser that each electronic ballast will be free from defects in material or workmanship for a period of 4 years from date of manufacture when properly installed and under normal conditions of use. Call **1-800-BALLASTx800** for technical assistance.



For one lamp operation, individually cap yellow leads.  
 Insulate to 600Volts

**Ballast case must be grounded.  
 Manufactured in China.**

