

3. Ballasts

A. Lamps Won't Start

1. Lamp failure
2. Poor lamp-to-lampholder contact
3. Incorrect wiring
4. Low voltage supply
5. Dirty lamps or lamp pins
6. Low or high lamp bulb-wall temperature
7. High humidity
8. Fixture not grounded
9. Improper ballast application
10. Ballast failure

B. Short Lamp Life

1. Improper voltage
2. Improper wiring
3. Poor lamp-to-lampholder contact
4. Extremely short duty cycles (Greater than average number of lamp starts per day. Check with lamp manufacturer)
5. Defective lamps
6. Improper ballast application
7. Defective ballast

C. Lamp Flicker (Spiraling or swirling effect)

1. New lamps (should be operated 100 hours for proper seasoning)
2. Defective lamps
3. Improper voltage
4. Improper ballast application
5. Defective ballast

D. Audible Ballast "Hum"

1. Loose fixture louvers, panels or other parts
2. Insecure ballast mounting
3. Defective ballast

E. Very Slow Starting

1. Improper voltage — too low
2. Poor lamp-to-lampholder contact
3. Defective lamp
4. Improper circuit wiring
5. Improper ballast application
6. Bulb-wall temperature too low or too high

F. Blinking

1. High voltage
2. Improper wiring or installation
3. Defective ballast
4. Wrong type lamps
5. Wrong number of lamps