

**Compact Fluorescent  
15W/BR30/Dimmable  
Lamp Operation  
Checklist**



# Operation Checklist – 15W/BR30/DIMMABLE Lamp

- **Requirements:**

- The higher wattage dimming CFLs require electronic dimmer
- If your ballast is rotary/turn style dimmer it is likely that this is an older magnetic dimmer and needs to be replaced to a new electronic dimmer (greater than 4 inches diameter)

- **For Best Results:**

- Stabilize: operate lamp continually without dimming for 2 hours prior to dimming.
- If lamp flickering (flashing) occurs during dimming, a slight adjustment to the dimmer setting will eliminate flicker (flashing).
- Use four Sylvania Dimmable lamps or less per dimmer switch
  - Currently working on a solution for adding lamps

# Technical Operation Checklist – 15W/BR30/DIMMABLE Lamp

*Recommended Lutron dimmers for lamp operation:*

## Digital Incandescent-Halogen Dimmers

- MAESTRO MA-600-WH 600W Smart Dimmer Single Pole & Multi-Location Dimmer

## • Analog Incandescent Dimmers

- ARIADNI AY-603P-WH 600W Single Pole & 3-Way Preset Incandescent Dimmer
- BISCUIT DVSC-600P-BI 600W Single Pole Incandescent Dimmer
- NOVA N-600-WH 600W Single Pole Incandescent Dimmer
- LYNEO LX-600PL-WH 600W Single Pole Incandescent Dimmer
  - All dimmers are rated 120V, 60Hz, 600W.

## • For Best Results:

- Stabilize: operate lamp continually without dimming for 2 hours prior to dimming.
- Dimmer switches have inductive and capacitive elements in their circuitry.
  - Compact fluorescent lamps also have inductive and capacitive elements.
  - They can interact to cause oscillations in the lamps.
  - This oscillation is seen by the eye as a flicker in the light output.
  - The level of oscillation is changed by the setting of the dimmer switch.

## FAQ

➤ **Do the dimmable lamps have to be burnt before dimming for the first time?**

For best results it is recommended to stabilize the lamp by operating the lamp continually without dimming at full light output for 2 hours prior to dimming.

➤ **Is there a limit on the maximum number of lamps per circuit?**

Use four Sylvania Dimmable lamps or less per 600W dimmer switch

➤ **Why does the lamp flicker when connected to the dimmer?**

Dimmer switches have inductive and capacitive elements in their circuitry. Compact fluorescent lamps also have inductive and capacitive elements. They can interact to cause oscillations in the lamps. This oscillation is seen by the eye as a flicker in the light output. The level of oscillation is changed by the setting of the dimmer switch

## FAQ

➤ What is the action to be taken in case of lamp flickering/ flashing?

If lamp flickering (flashing) occurs during dimming, a slight adjustment to the dimmer setting will eliminate flicker (flashing)

➤ What are the kinds of dimmers that will operate the Sylvania 15W BR30 dimmable lamp?

The lamps operate on electronic incandescent dimmers.

➤ What are the different kinds of incandescent dimmers available?

Almost all the dimmers currently available are electronic. However there may be old dimmer types which are magnetic and will **not** operate the CFL

➤ How can we distinguish between the electronic and the magnetic dimmers?

There does not appear to be an easy way to distinguish among them, however the magnetic types usually have larger knobs that are 4" or more in diameter and are primarily used in commercial applications.

# FAQ

## ➤ **Is there a list of recommended dimmers that operate the 15W dimmable?**

### Lutron Dimmers

**MAESTRO MA-600-WH 600W**

**ARIADNI AY-603P-WH 600W**

**BISCUIT DVSC-600P-BI 600W Single Pole Incandescent Dimmer**

**NOVA N-600-WH 600W Single Pole Incandescent Dimmer**

**LYNEO LX-600PL-WH 600W Single Pole Incandescent Dimmer**

**All dimmers are rated 120V, 60Hz, 600W.**

*Tests are being conducted on the below list of dimmers*

### Pass & Seymour Dimmers

**PASS & SEYMOUR 90681 I**

**PASS & SEYMOUR 90681 W**

**PASS & SEYMOUR 91181 I**

**PASS & SEYMOUR 91181 W**

### Leviton Dimmers

**LEVITON 6621W**

**LEVITON 6621 PW**