**Saved from manuals.plus.**
**Open the live page for links to other documents and user manuals.**



## Ushio BC3281

# Ushio BC3281 CF13DE/841 Compact Fluorescent Light Bulb Instruction Manual

Model: BC3281 | Part Number: 3000160

## Introduction

This manual provides essential information for the safe and effective use of your Ushio BC3281 CF13DE/841 Compact Fluorescent Light Bulb. Please read these instructions carefully before installation and retain them for future reference. The Ushio BC3281 CF13DE/841 is a 13-watt, 4-pin (G24q-1) base compact fluorescent lamp designed to provide cool white light at 4100 Kelvin. It features a double-tube design and is suitable for various lighting applications.

## Safety Information

**WARNING: Risk of electric shock. Disconnect power before installation or servicing.**

- Ensure the power supply is turned off at the circuit breaker or fuse box before handling the bulb.
- Do not use this bulb in wet locations unless the fixture is specifically designed for such environments.
- Do not exceed the maximum wattage rating of your fixture.
- Handle the bulb by its base to avoid touching the glass, which can reduce bulb life.
- This bulb contains mercury. Follow local regulations for disposal. Do not break the bulb.
- Allow the bulb to cool completely before removing it.
- This bulb is dimmable. Ensure your fixture and dimmer switch are compatible with dimmable compact fluorescent lamps.

## Product Overview

The Ushio BC3281 CF13DE/841 is a high-efficiency compact fluorescent lamp. Key features include:

- **Wattage:** 13 Watts
- **Base Type:** 4-pin (G24q-1)
- **Color Temperature:** 4100 Kelvin (Cool White)
- **Light Output:** 900 Lumens

- **Average Lifetime:** 10,000 hours
- **Special Feature:** Dimmable





Figure 1: Front view of the Ushio BC3281 CF13DE/841 compact fluorescent light bulb, showing its double-tube design and 4-pin base.

## Setup and Installation

1. **Turn Off Power:** Locate the circuit breaker or fuse box that controls the power to the light fixture. Turn off the power completely. Verify that the power is off by attempting to turn on the light switch.
2. **Remove Old Bulb (if applicable):** If replacing an existing bulb, allow it to cool down. Gently twist and pull the old 4-pin bulb straight out from its base. Do not force it.
3. **Inspect Fixture:** Check the fixture's socket for any damage or debris. Ensure it is clean and dry.
4. **Insert New Bulb:** Hold the Ushio BC3281 CF13DE/841 bulb by its plastic base. Align the four pins on the bulb with the corresponding slots in the fixture's G24q-1 socket. Gently push the bulb straight into the socket until it is firmly seated. Do not twist the bulb during insertion, as this can damage the pins.
5. **Restore Power:** Once the bulb is securely installed, restore power at the circuit breaker or fuse box.
6. **Test Bulb:** Turn on the light switch to confirm the bulb is working correctly.

*Note: This bulb is designed for use with electronic ballasts compatible with 4-pin compact fluorescent lamps.*

## Operating Instructions

The Ushio BC3281 CF13DE/841 operates like a standard compact fluorescent bulb once installed. It provides instant-on illumination, though full brightness may take a few moments to achieve, especially in colder environments.

- **Switching On/Off:** Use the wall switch connected to the fixture to turn the light on or off.
- **Dimmable Functionality:** If connected to a compatible dimmer switch, adjust the dimmer to control the light output. Ensure the dimmer is rated for compact fluorescent lamps.
- **Warm-up Time:** Like most CFLs, this bulb may require a short warm-up period (typically 30-60 seconds) to reach full brightness and stable color temperature.

## Maintenance

The Ushio BC3281 CF13DE/841 is designed for long-term, low-maintenance operation. Regular cleaning and proper handling will help ensure its longevity.

- **Cleaning:** Before cleaning, ensure the power is off and the bulb is cool. Wipe the bulb gently with a soft, dry, lint-free cloth. Do not use liquid cleaners or abrasive materials.
- **Replacement:** Replace the bulb when it reaches the end of its rated life or if it begins to flicker or fail prematurely. Follow the installation steps in reverse to remove the old bulb.
- **Disposal:** Due to the mercury content, dispose of the bulb according to local hazardous waste regulations. Many

retailers and municipalities offer recycling programs for fluorescent bulbs. Do not dispose of in regular household trash.

## Troubleshooting

| Problem | Possible Cause | Solution |
|---|---|---|
| Bulb does not light up. | No power to the fixture.<br>Bulb not properly seated.<br>Defective bulb.<br>Fixture or ballast issue. | Check circuit breaker/fuse.<br>Ensure bulb is fully inserted into the socket.<br>Try a new bulb.<br>Consult an electrician if fixture/ballast is suspected. |
| Bulb flickers. | Loose connection.<br>Incompatible dimmer.<br>Bulb nearing end of life.<br>Faulty ballast. | Turn off power, re-seat bulb.<br>Ensure dimmer is CFL-compatible.<br>Replace bulb.<br>Consult an electrician. |
| Bulb is dim or takes long to brighten. | Normal warm-up period.<br>Cold ambient temperature.<br>Low voltage. | Allow 30-60 seconds for full brightness.<br>Performance may be reduced in very cold conditions.<br>Consult an electrician if voltage is suspected. |

## Specifications

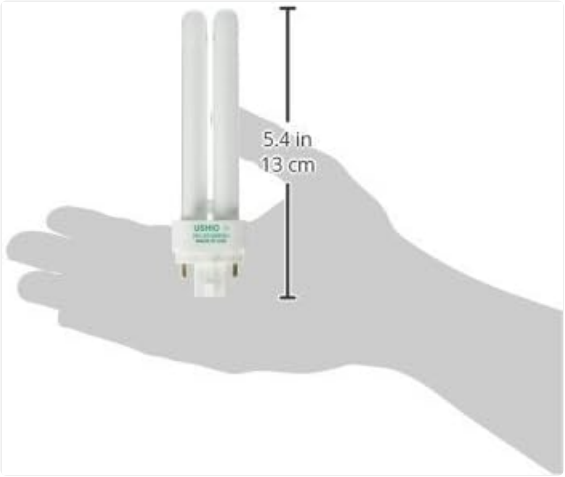



Figure 2: Dimensions of the Ushio BC3281 CF13DE/841 compact fluorescent light bulb, showing a length of approximately 5.4 inches (13 cm).

| | |
|---|---|
| **Model Number:** | BC3281 |
| **Part Number:** | 3000160 |
| **Brand:** | Ushio |
| **Light Type:** | Compact Fluorescent |
| **Wattage:** | 13 Watts |
| **Voltage:** | 120 Volts |

| | |
|---|---|
| **Bulb Shape Size:** | T4 (Double Tube) |
| **Bulb Base:** | 4-pin (G24q-1) |
| **Light Color:** | Cool White |
| **Color Temperature:** | 4100 Kelvin |
| **Lumens (Light Output):** | 900 Lumens |
| **Color Rendering Index (CRI):** | 85 |
| **Average Lifetime:** | 10,000 hours |
| **Special Feature:** | Dimmable |
| **Material:** | Copper |
| **Product Dimensions:** | 1.5 x 1.5 x 5.75 inches (approx. 5.4 inches length) |
| **Item Weight:** | 2.4 ounces |
| **UPC:** | 048777256244 |

## Warranty and Support

**Warranty:** The manufacturer's warranty information for this product is generally provided at the point of purchase or on the product packaging. Based on available information, the warranty description is "Not applicable." For specific warranty details, please refer to the documentation included with your purchase or contact Ushio customer service.
**Customer Support:** For technical assistance, troubleshooting beyond this manual, or inquiries regarding product specifications, please contact Ushio customer support through their official website or the retailer where the product was purchased.
For more information, you may visit theUshio brand page.

© 2023 Ushio. All rights reserved. Information subject to change without notice.


### Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

**Name**

Anonymous

**Email**

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

**Question**

Example: How do I reset this device or fix this error?

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

---

**Open the live page**

**https://manuals.plus/asin/B001HXGHF6**

More documents and user manuals: **https://manuals.plus/**