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› Technical Precision 150W 120V Projector Light Bulb User Manual for Bell & Howell 256 DJL

## Technical Precision 256

# Technical Precision 150W 120V Projector Light Bulb User Manual

For Bell & Howell 256 and DJL Projector Models

## 1. PRODUCT OVERVIEW

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This manual provides instructions for the Technical Precision 150W 120V 8mm Projector Light Bulb, designed as a direct replacement for Bell & Howell 256 and DJL projector models. This bulb features a G17Q base for secure installation and provides clear, warm light for optimal film projection.



Image 1.1: Front view of the Technical Precision 150W 120V Projector Light Bulb.

### Key Features:

- **Direct Replacement:** Specifically designed for Bell & Howell 256 and DJL 8mm projector models.
- **Illumination:** Produces 3150K clear, warm light, suitable for sharp and vivid image display.
- **Lifespan:** Engineered for a reliable 15-hour operational life.
- **Base Type:** Features a standard G17Q base for straightforward installation.
- **Power:** Operates at 150 Watts and 120 Volts.

## 2. INSTALLATION AND SETUP

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Before attempting installation, ensure the projector is turned off and unplugged from the power source. Allow the old bulb to cool completely if it was recently in use.

### Installation Steps:

1. **Safety First:** Disconnect the projector from the main power supply.

2. **Access Bulb Compartment:** Refer to your projector's specific manual for instructions on how to open the bulb compartment. This usually involves opening a latch or removing a cover.
3. **Remove Old Bulb:** Carefully grasp the old bulb (use gloves or a cloth to avoid leaving fingerprints if handling directly) and gently pull it straight out from its socket. The G17Q base is a prong type, so it should slide out.
4. **Insert New Bulb:** Align the prongs of the new Technical Precision bulb with the slots in the projector's socket. Gently push the bulb straight into the socket until it is firmly seated. Do not force the bulb.
5. **Secure Compartment:** Close the bulb compartment cover and secure any latches or screws.
6. **Test:** Plug the projector back into the power source and turn it on to test the new bulb.



Image 2.1: Angled view of the bulb, showing the G17Q prong base for proper alignment during installation.

**Caution:** Avoid touching the glass part of the bulb with bare hands. Oils from your skin can create hot spots, potentially reducing bulb life. If touched, clean with an alcohol wipe before use.

### 3. OPERATING INSTRUCTIONS

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Once the Technical Precision projector bulb is correctly installed, operating your projector remains consistent with its standard procedures.

#### General Operation:

- **Power On:** Turn on your projector using its power button. The bulb should illuminate, projecting light through your film.
- **Projection Quality:** This 150W bulb provides a clear, warm white light at 3150 Kelvin, ensuring optimal brightness and color accuracy for 8mm film projection.
- **Power Off:** Always allow the projector to complete its cool-down cycle after turning it off. This helps extend the life of the bulb and other internal components.



Image 3.1: An 8mm projector in operation, illustrating the bulb's function in projecting light.

## 4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your projector bulb.

- **Cool-Down Cycle:** Always allow your projector to complete its internal cooling cycle after use. Abrupt power-offs can shorten bulb life.
- **Handling:** When replacing the bulb, handle it by its base or use a clean cloth/gloves to avoid transferring skin oils to

the glass, which can cause premature failure.

- **Storage:** Store spare bulbs in their original packaging in a cool, dry place away from direct sunlight and extreme temperatures.
- **Expected Lifespan:** This bulb has an average life of 15 hours. Consider having a spare bulb on hand for uninterrupted use.

## 5. TROUBLESHOOTING

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If you encounter issues with your projector bulb, refer to the following common troubleshooting steps.

Problem	Possible Cause	Solution
Bulb does not light up.	<ul style="list-style-type: none"><li>◦ Projector not plugged in or powered on.</li><li>◦ Bulb not seated correctly.</li><li>◦ Bulb has reached end of life.</li><li>◦ Projector internal fault.</li></ul>	<ul style="list-style-type: none"><li>◦ Ensure projector is plugged in and power switch is on.</li><li>◦ Re-seat the bulb firmly in its socket.</li><li>◦ Replace the bulb with a new one.</li><li>◦ Consult your projector's service manual or a qualified technician.</li></ul>
Dim or inconsistent light.	<ul style="list-style-type: none"><li>◦ Bulb nearing end of life.</li><li>◦ Dust or debris on bulb or projector lens.</li><li>◦ Incorrect voltage supply.</li></ul>	<ul style="list-style-type: none"><li>◦ Replace the bulb.</li><li>◦ Carefully clean the bulb and projector lens with a soft, lint-free cloth.</li><li>◦ Verify the projector is connected to a stable 120V power source.</li></ul>

## 6. SPECIFICATIONS

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Detailed technical specifications for the Technical Precision 150W 120V Projector Light Bulb.



3.2 in



**150 Watts**



**T12 Clear Bulb  
Finish**



**G17Q 3-4 Pin Base,  
Center Post**



**technical precision**

BRINGING ENERGY TO LIFE

Image 6.1: Visual representation of the bulb with key specifications highlighted.

Specification	Value
Brand	Technical Precision
Model Name	256
Wattage	150 Watts
Voltage	120 Volts
Bulb Base	G17Q (Prong)
Light Type	Incandescent
Color Temperature	3150 Kelvin
Brightness	256 Lumens
Average Life	15 Hours
Material	Glass
Finish	Clear
Item Weight	2.39 ounces
Package Dimensions	5.51 x 2.48 x 2.32 inches

**Note on Light Type:** While some specifications may list "LED", this product functions as a direct replacement for traditional projector lamps, typically incandescent or halogen, designed for specific 8mm projector models like the Bell & Howell 256. The 15-hour average life is characteristic of such specialized projector bulbs.

## 7. WARRANTY AND SUPPORT

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Technical Precision stands by the quality of its products.

- **Warranty:** This product comes with a 1-year manufacturer's warranty.
- **Contact Support:** For any questions regarding installation, compatibility, or product performance, please contact Technical Precision customer support. We recommend double-checking bulb specifications before purchase to ensure compatibility.

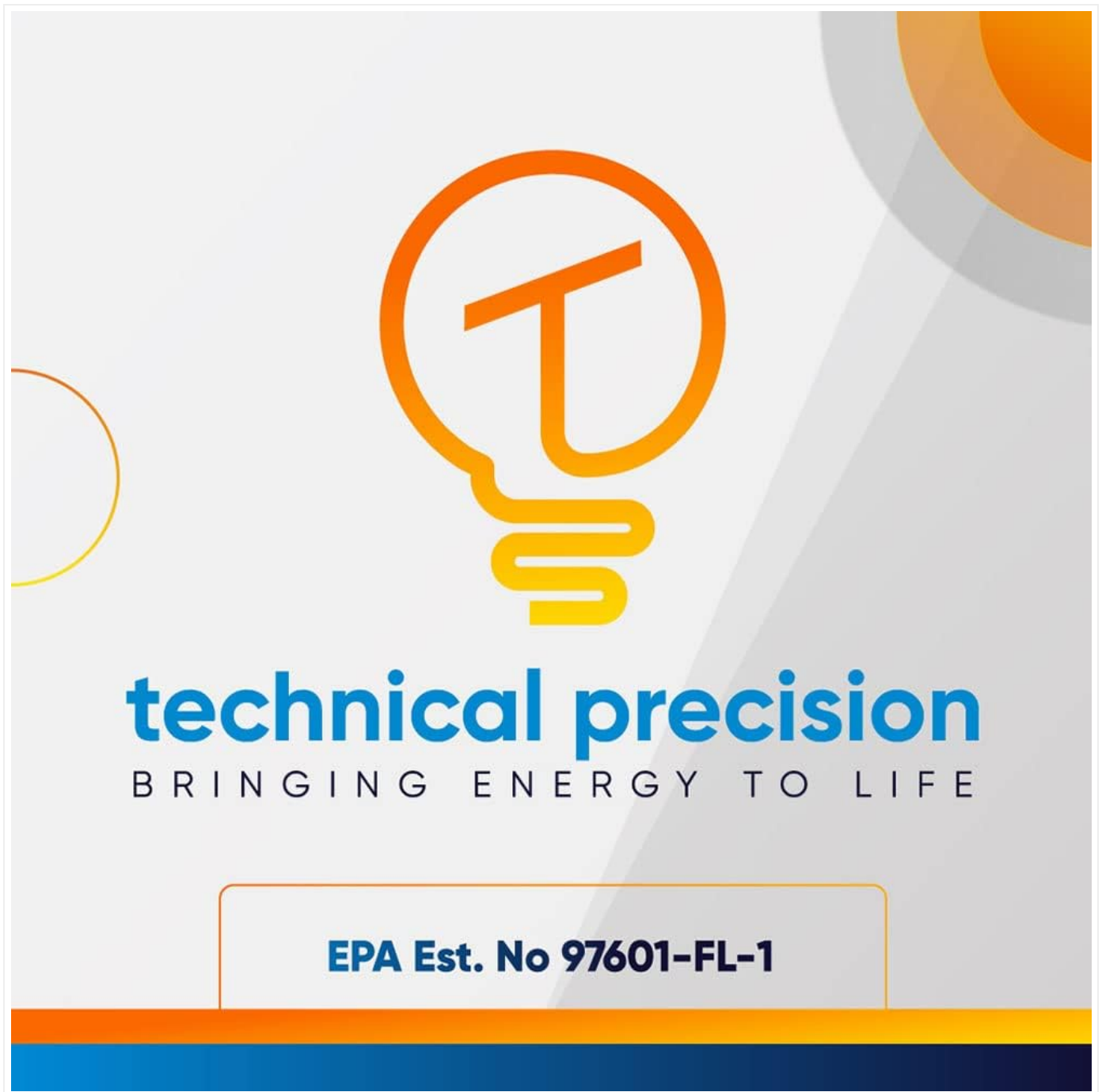


Image 7.1: Technical Precision brand logo.

