

Blackbody Light Source

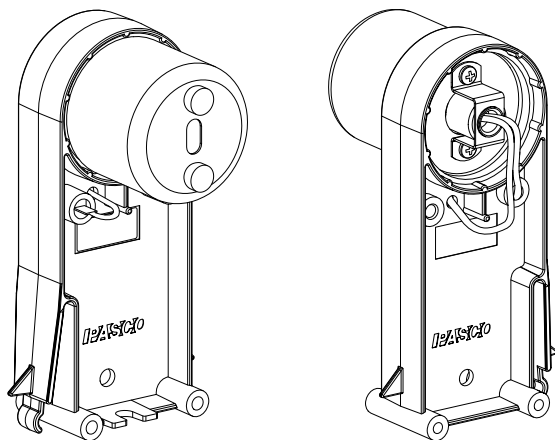
OS-8542

Introduction

The Blackbody Light Source is designed to be used with a variety of PASCO optics equipment, such as the Educational Spectrophotometer System (OS-8539) and the Prism Mount (OS-8543). An incandescent bulb inside the casing is used to provide a continuous spectrum of light. To power the device, use banana plug patch cords (not included) to connect the ports on the rear of the device to a DC power supply.

⚠ IMPORTANT: Do NOT expose the Blackbody Light Source to voltages higher than 7 V. Doing so could damage the device.

The Blackbody Radiation Experiment (EX-5529A) provides all the materials to study the blackbody spectrum of light intensity from the Blackbody Light Source. For more information, refer to the experiment pages at www.pasco.com/freelabs/ex-5529.



Bulb replacement

If the Blackbody Light Source fails to illuminate, the bulb may need to be replaced. Ten replacement bulbs are included with the product, and more can be ordered in the Replacement Light Bulbs (SE-8509) pack. To replace the bulb:

1. Check to make sure the Blackbody Light Source is disconnected from the power supply.
2. Loosen the thumbscrews on the front of the cap, then slide the cap away from the body of the Blackbody Light Source.
3. While gripping the light bulb fixture's base on the back of the light source, push the old bulb inward, twist it counterclockwise, and pull outward to remove the bulb.

⚠ CAUTION: To avoid burns, do NOT touch the bulb in the first few minutes after the device has been turned off.

4. Insert a new bulb into the socket by pushing it inward and turning it clockwise until it locks into place. Only use an appropriate #64 bulb, such as those provided with the product or in the Replacement Light Bulbs (SE-8509) pack.
5. Place the cap back over the light bulb, align the holes in the cap with the posts, and secure the cap in place with the thumbscrews.

Technical support

Need more help? Our knowledgeable and friendly Technical Support staff is ready to answer your questions or walk you through any issues.

- Chat pasco.com
- ☎ Phone 1-800-772-8700 x1004 (USA)
+1 916 462 8384 (outside USA)
- ✉ Email support@pasco.com

Limited warranty

For a description of the product warranty, see the Warranty and Returns page at www.pasco.com/legal.

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Product end-of-life disposal



This electronic product is subject to disposal and recycling regulations that vary by country and region. It is your responsibility to recycle your electronic equipment per your local environmental laws and regulations to ensure that it will be recycled in a manner that protects human health and the environment. To find out where you can drop off your waste equipment for recycling, please contact your local waste recycle or disposal service, or the place where you purchased the product. The European Union WEEE (Waste Electronic and Electrical Equipment) symbol on the product or its packaging indicates that this product must not be disposed of in a standard waste container.

CE statement

This device has been tested and found to comply with the essential requirements and other relevant provisions of the applicable EU Directives.