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LUXRITE LR41520

LUXRITE UFO High Bay LED Shop Lights (Model LR41520)

Instruction Manual

1. SAFETY INFORMATION

Please read and understand all instructions before installing or operating this fixture. Failure to follow these instructions may result in electric shock, fire, or other hazards that could cause property damage or personal injury.

- **WARNING: Risk of Electric Shock.** Disconnect power at the fuse or circuit breaker before installation or servicing.
- **WARNING: Risk of Fire.** Use only on circuits rated for this fixture.
- Installation must be performed by a qualified electrician in accordance with all national and local electrical codes.
- Ensure the fixture is properly grounded to avoid potential electrical hazards.
- Do not handle energized fixture or attempt to operate with wet hands or while standing on wet or damp surfaces.
- Verify that the supply voltage is compatible with the fixture's operating voltage (120-277V).
- Do not modify the fixture or use it for purposes other than its intended use.

2. PRODUCT OVERVIEW

The LUXRITE UFO High Bay LED Shop Light (Model LR41520) is a versatile and durable lighting solution designed for commercial and industrial applications. It features adjustable color temperature and wattage, surge protection, and a robust IP65-rated design.

Key Features:

- **Color Tunable:** Selectable 3500K (Natural White), 4000K (Cool White), or 5000K (Bright White).
- **Wattage Selectable:** Adjustable between 100W, 120W, and 150W for customized brightness.
- **High Lumen Output:** Up to 22,500 lumens (at 150W/4000K).

- **Dimmable:** Compatible with 0-10V dimmers for adjustable light levels.
- **Surge Protected:** Built-in 6KV surge protector for enhanced durability.
- **IP65 Rated:** Suitable for damp and wet locations, offering protection against dust and water.
- **Long Lifespan:** Rated for up to 50,000 hours of operation.
- **Certifications:** UL Certified, DLC Premium Listed.
- **Beam Angle:** 90 degrees.
- **Input Voltage:** 120-277V.



Image 2.1: LUXRITE UFO High Bay LED Shop Lights with integrated hook and wiring.

3. INSTALLATION AND SETUP

Before beginning installation, ensure the power supply is disconnected at the circuit breaker. This fixture is designed for hardwire installation and includes a 5-foot cable and a hanging hook.

3.1. Tools and Materials Required:

- Screwdriver (Phillips and flathead)
- Wire strippers

- Wire nuts or connectors
- Electrical tape
- Adjustable wrench (for hook installation)
- Safety glasses and gloves
- Ladder (if installing at height)

3.2. Mounting the Fixture:

1. Identify a suitable mounting location that can support the weight of the fixture and provides adequate clearance.
2. Securely attach the provided hanging hook to a structural support (e.g., ceiling joist, beam) using appropriate hardware (not included). Ensure the mounting point can safely hold the fixture's weight (approximately 5.73 lbs).
3. Hang the UFO High Bay light from the securely installed hook.

3.3. Electrical Wiring:

The fixture is designed for 120-277V hardwire systems. It includes a 5-foot cable with color-coded wires.

1. Ensure power is OFF at the circuit breaker.
2. Connect the fixture's wires to the building's electrical supply wires according to the following:
 - **Black wire (Fixture)** to **Line/Hot wire (Supply)**
 - **White wire (Fixture)** to **Neutral wire (Supply)**
 - **Green wire (Fixture)** to **Ground wire (Supply)**
3. If using a 0-10V dimmer (optional), connect the purple and gray wires from the fixture to the dimmer's corresponding wires. If not using a dimmer, cap these wires individually with wire nuts.
4. Secure all connections with wire nuts and electrical tape.
5. Carefully tuck all wires into the junction box or canopy, ensuring no wires are pinched.
6. Restore power at the circuit breaker.

PRODUCT DIMENSIONS



LED UFO Highbay

Image 3.1: Product Dimensions for installation planning.

4. OPERATING INSTRUCTIONS

The LUXRITE UFO High Bay LED light offers adjustable color temperature and wattage settings to suit various lighting needs.

4.1. Color Temperature Selection (3CCT):

The fixture has a built-in switch to select the desired color temperature. This switch is typically located on the body of the fixture. Ensure power is off before adjusting the switch.

- **3500K:** Natural White, suitable for general ambient lighting.
- **4000K:** Cool White, ideal for task lighting and workspaces.
- **5000K:** Bright White, best for high-visibility areas and commercial spaces.

4.2. Wattage Selection:

A wattage adjustment switch allows you to choose the light output. This switch is also located on the fixture body. Ensure power is off before adjusting the switch.

- **100W:** Lower brightness, energy-efficient option.

- **120W:** Medium brightness, balanced performance.
- **150W:** Maximum brightness for extensive illumination.

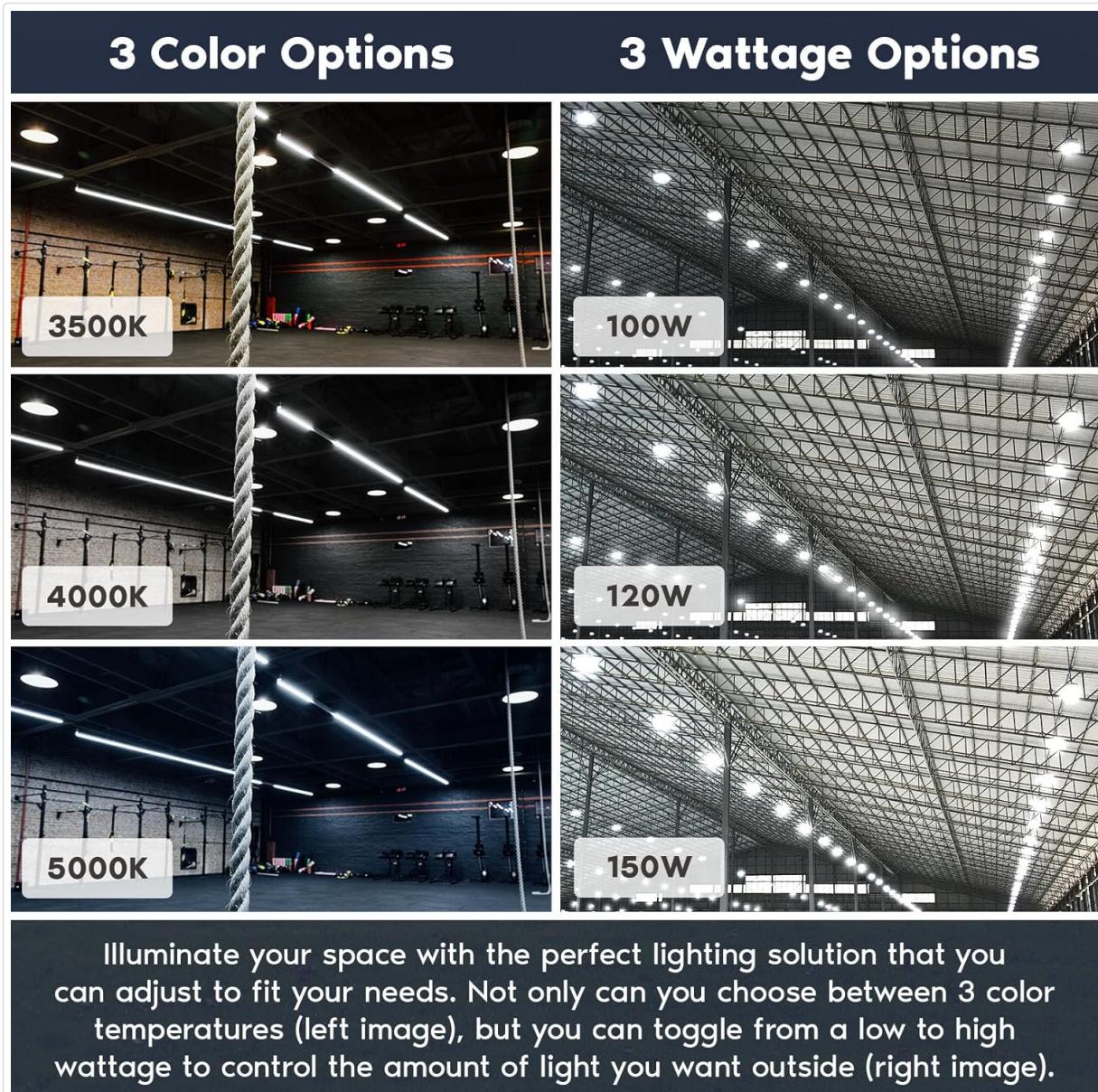


Image 4.1: Visual representation of color temperature and wattage options.

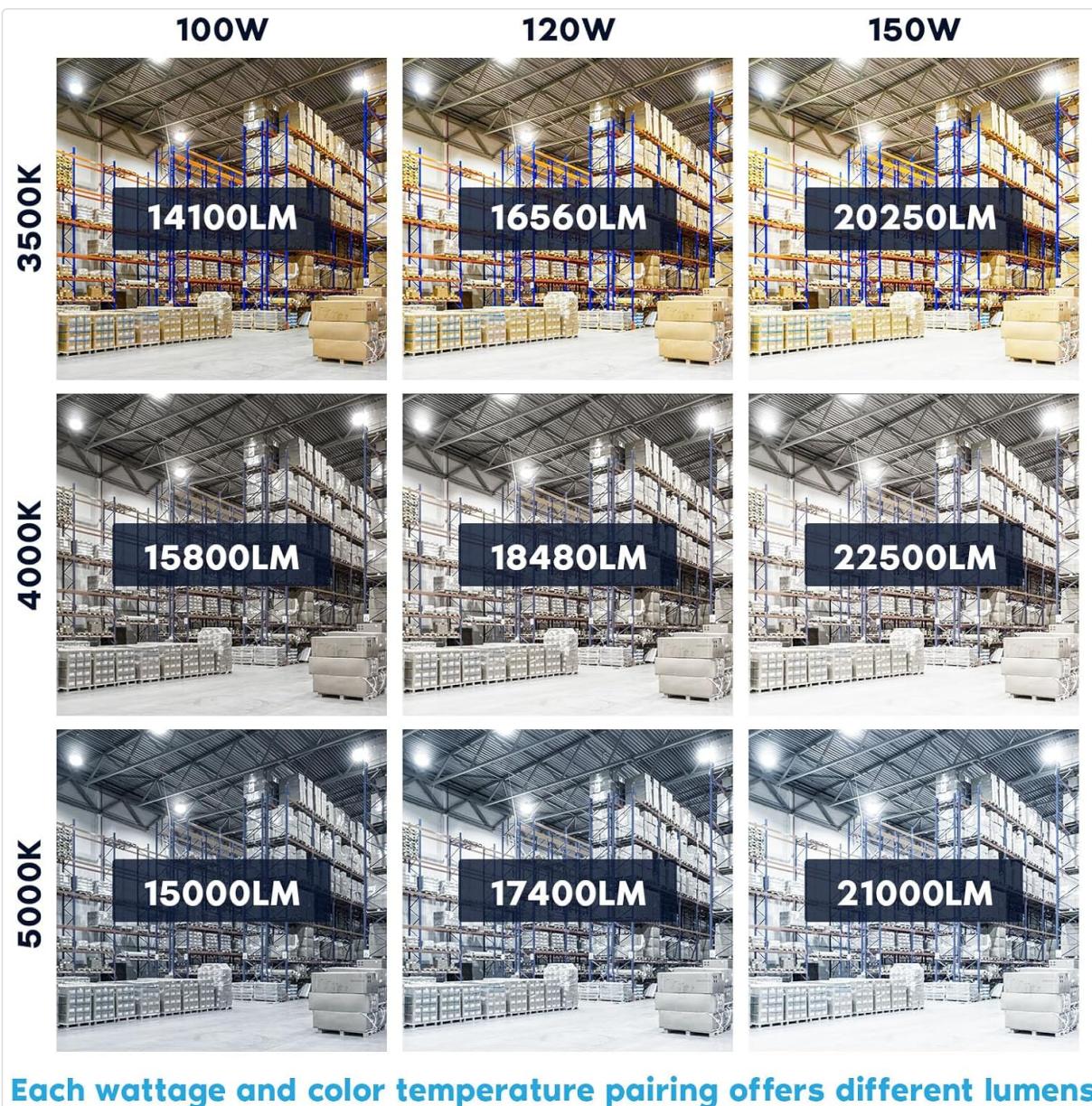


Image 4.2: Lumen output chart based on wattage and color temperature settings.

4.3. Dimming Function:

If wired to a compatible 0-10V dimmer, the light output can be smoothly adjusted from 10% to 100% brightness. Refer to your dimmer's instructions for specific operation.

5. MAINTENANCE

The LUXRITE UFO High Bay LED light is designed for minimal maintenance due to its long lifespan and durable construction.

5.1. Cleaning:

- Ensure the fixture is powered off and cool before cleaning.
- Wipe the exterior surfaces with a soft, damp cloth.
- Do not use abrasive cleaners, solvents, or cleaners containing alcohol, as these can damage the finish or electrical components.
- Avoid spraying liquids directly onto the fixture.

5.2. General Care:

- Periodically inspect the fixture and wiring for any signs of damage or wear.
- The LED light source is not user-serviceable. Do not attempt to open or repair the fixture.
- The IP65 rating ensures protection against dust and water jets, making it suitable for various environments.



Image 5.1: IP65 Waterproof design for protection against the elements.

6. TROUBLESHOOTING

If you experience issues with your LUXRITE UFO High Bay LED light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power supply. Incorrect wiring. Faulty switch.	Check circuit breaker and wall switch. Verify wiring connections (refer to Section 3.3). Test the switch with another device.

Problem	Possible Cause	Solution
Light flickers.	Loose wiring connection. Incompatible dimmer (if applicable). Power fluctuations.	Ensure all wiring connections are secure. Use a 0-10V compatible dimmer. Consult an electrician to check power supply stability.
Dimming function not working.	Incorrect dimmer wiring. Non-compatible dimmer. Dimmer not connected.	Verify purple and gray dimmer wires are correctly connected. Ensure a 0-10V dimmer is used. Connect dimmer wires if not already.
Light output is too low/high.	Incorrect wattage setting. Incorrect color temperature setting.	Adjust the wattage selection switch (refer to Section 4.2). Adjust the color temperature switch (refer to Section 4.1).

If the problem persists after attempting these solutions, please contact customer support.

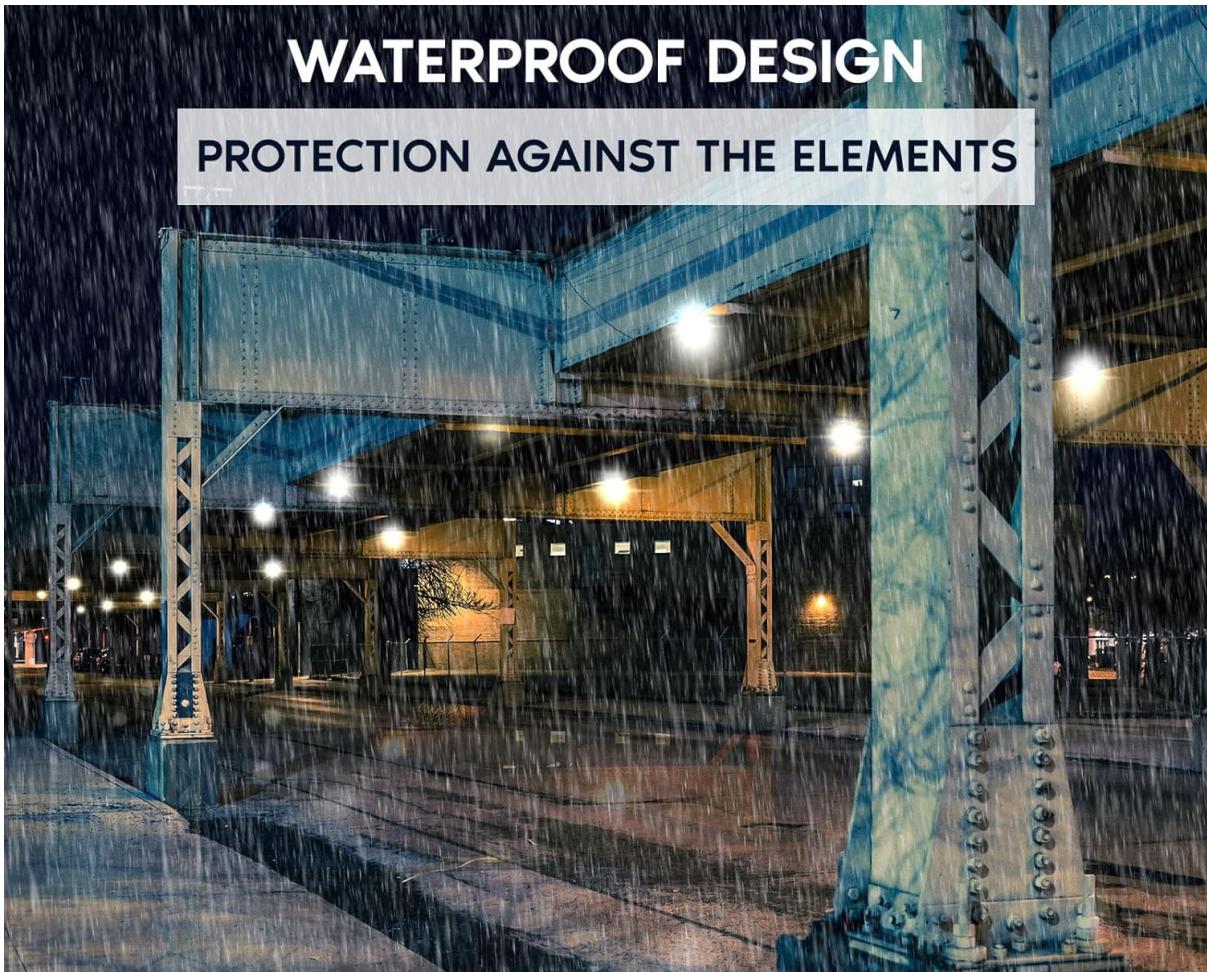
7. SPECIFICATIONS

Feature	Specification
Brand	LUXRITE
Model Number	LR41520
Light Type	LED UFO High Bay
Wattage	100W / 120W / 150W (Selectable)
Brightness	Up to 22,500 Lumens (150W, 4000K)
Color Temperature (CCT)	3500K / 4000K / 5000K (Selectable)
Voltage	120-277V
Dimmable	0-10V Dimmable
Surge Protection	6KV Built-in
IP Rating	IP65 (Waterproof)
Lifespan	50,000 Hours
Beam Angle	90 Degrees
Material	Metal
Product Dimensions	11 x 11 x 5.75 inches
Item Weight	5.73 pounds

Feature	Specification
Cable Length	5 feet (Hardwire)
Certifications	UL Certified, DLC Premium

WATERPROOF DESIGN

PROTECTION AGAINST THE ELEMENTS





Stands up against harsh outdoors

Certified protection from dust & water

Image 7.1: Summary of product features and specifications.

8. WARRANTY INFORMATION

This LUXRITE UFO High Bay LED Shop Light is covered by a **5-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use and service. The warranty does not cover damage caused by improper installation, misuse, abuse, accidents, unauthorized repairs or modifications, or acts of nature. For warranty claims, please retain your proof of purchase.

9. CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact

LUXRITE customer support.

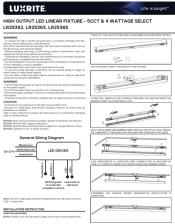
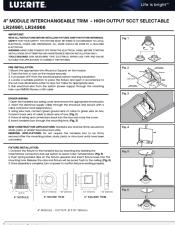
- **Website:** Visit the official LUXRITE website for support resources and contact information.
- **Email:** Refer to your product packaging or the LUXRITE website for the customer service email address.
- **Phone:** Refer to your product packaging or the LUXRITE website for the customer service phone number.

When contacting support, please have your product model number (LR41520) and proof of purchase readily available.

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Related Documents - LR41520

	<p><u>Luxrite LED Ballast Compatibility List for LR34235, LR34236, LR34244, LR34245, LR34246</u></p> <p>Find compatible electronic ballasts for Luxrite LED tubes (models LR34235, LR34236, LR34244, LR34245, LR34246). This comprehensive list covers compatibility for 120V, 277V, and 347V systems, ensuring proper installation and performance.</p>
	<p><u>Luxrite LED Outdoor Adjustable Wallpack - 80W, 160W</u></p> <p>Detailed specifications for Luxrite LED outdoor adjustable wallpacks, featuring 3CCT, 3 wattage selectable, adjustable throw, photocell, and emergency driver compatibility.</p>

	<p>Luxrite Architectural Linkable LED Linear Fixture 3CCT, 3 Wattage, Up-Down Selectable</p> <p>Explore the Luxrite Architectural Linkable LED Linear Fixture series. Featuring 3CCT, 3 Wattage, and Up-Down selectable light distribution, available in 24", 48", 72", and 96" lengths with Black and White finishes. Includes details on electrical specifications, photometric data, and various connector and mounting options.</p>
	<p>Luxrite LR25362/LR25363/LR25365 High Output LED Linear Fixture Installation Guide</p> <p>Detailed installation instructions for Luxrite's High Output LED Linear Fixtures (models LR25362, LR25363, LR25365), covering surface, chain, cable, and row mounting, wiring, and field-adjustable wattage/CCT settings.</p>
	<p>Luxrite 4" Module Interchangeable Trim Installation Guide - LR24961, LR24966</p> <p>Detailed installation instructions and specifications for the Luxrite 4" Module Interchangeable Trim, High Output 5CCT Selectable LED downlight (models LR24961, LR24966). Learn how to safely install and wire this versatile lighting fixture.</p>