

Konlite RKLH0301105W5KDNCHL-2PK

Konlite 2 Pack Linear LED Bay Ceiling Shop Light

Model: RKLH0301105W5KDNCHL-2PK

1. INTRODUCTION

Thank you for choosing the Konlite 2 Pack Linear LED Bay Ceiling Shop Light. This high-performance lighting fixture is engineered for commercial and industrial environments, providing exceptional brightness and energy efficiency. With a robust design and integrated LED technology, this product offers a reliable and maintenance-free lighting solution for years to come.

This manual provides essential information for the safe and proper installation, operation, and care of your new LED shop lights. Please read it thoroughly before beginning installation or use, and retain it for future reference.

2. SAFETY INFORMATION

WARNING: To prevent serious injury, always follow basic safety precautions when installing or servicing electrical equipment.

- Disconnect Power:** Always turn off power at the circuit breaker before installing, servicing, or cleaning the fixture.
- Qualified Electrician:** Installation should be performed by a qualified electrician in accordance with all applicable national and local electrical codes.
- Grounding:** Ensure the fixture is properly grounded to avoid potential electrical shock.
- Voltage Compatibility:** Verify that the supply voltage (100-277V AC) is compatible with the fixture's requirements.
- Handling:** Handle the fixture with care. Avoid dropping or subjecting it to strong impacts.
- Indoor Use Only:** This product is designed for indoor use only. Do not expose to moisture or outdoor elements.
- Dimming:** If using the 1-10V dimming function, ensure the dimmer is compatible and wired correctly. Separate wiring is required for dimming.

3. SETUP AND INSTALLATION

The Konlite Linear LED Bay Ceiling Shop Light offers versatile installation options to suit various commercial and industrial settings. The fixture accepts multiple voltages from 100-277V AC.

3.1. Mounting Options

This fixture supports three primary installation methods:

- Hanging Chain Mount:** Ideal for high bay applications. The fixture includes hanging kits for this method.

2. **Surface Mount:** For direct attachment to a flat surface. Surface mount kits are sold separately.
3. **Conduit/Pendant Mount:** Allows for rigid conduit or pendant rod installation. Conduit/pendant kits are not included and must be purchased separately. The fixture features half-inch knockout holes for accessory sensors or NPT connections.

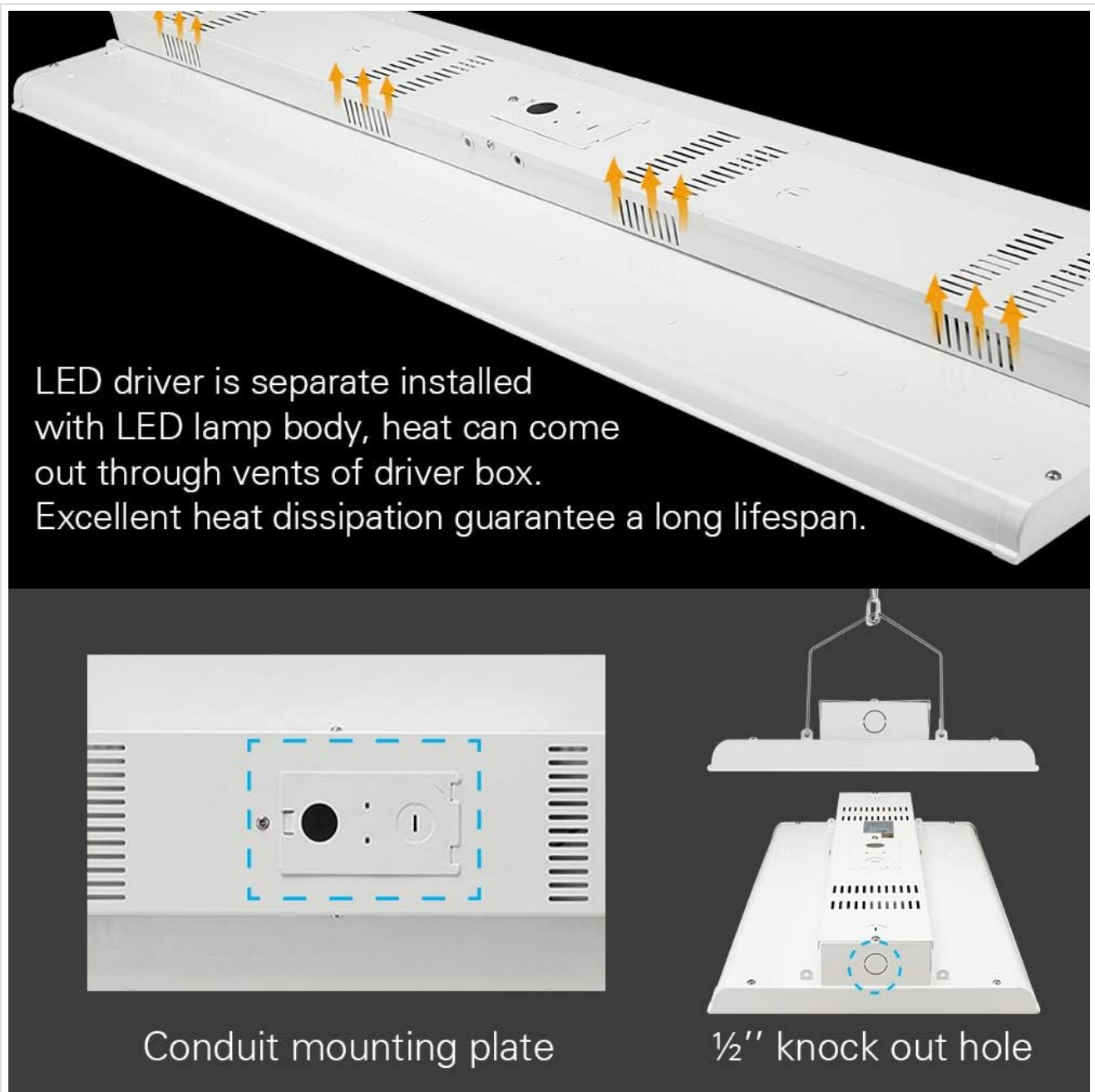
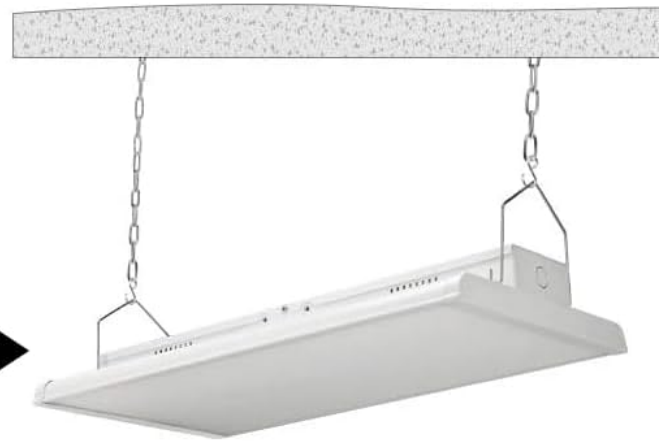


Figure 3.1: Illustration of Hanging Chain, Surface Mount, and Conduit/Pendant Installation Methods.

3.2. Wiring Instructions

Ensure power is disconnected before wiring. The fixture is designed for hard-wire electric connection. The wire box provides ample space for connecting wires. The LED driver is separately installed within the fixture, allowing heat to dissipate efficiently through vents in the driver box, contributing to a long lifespan.

Installation Methods



Hanging Chain



Surface Mount
(Sold Separately)



Conduit/Pendant Mount
(Conduit/Pendant Not Included)

Figure 3.2: Detail of the fixture's conduit mounting plate and 1/2 inch knockout hole for accessories.

3.3. Recommended Installation Height

The optimal installation height depends on the wattage of the fixture and desired light intensity (foot-candles, FC) at the work surface. Refer to the illumination chart below for guidance.

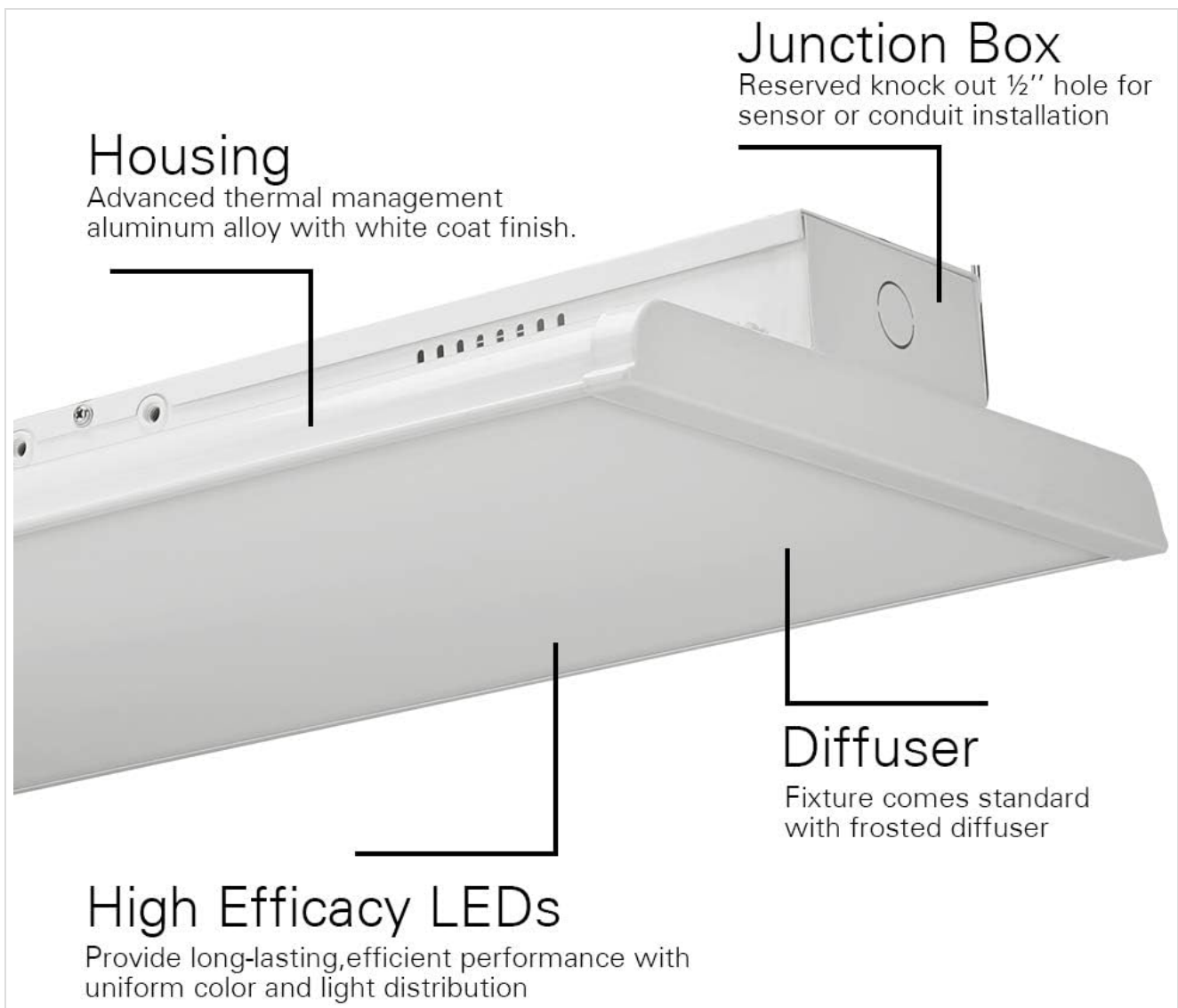


Figure 3.3: Illumination chart for various wattage models at different mounting heights.

4. OPERATING INSTRUCTIONS

Once properly installed and wired, the Konlite LED Bay Ceiling Shop Light will provide instant, high-output illumination. The fixture is designed for simple operation.

4.1. Power On/Off

The light fixture is controlled by the main power switch or circuit breaker it is connected to. Ensure the power source is stable and within the specified voltage range (100-277V AC).

4.2. Dimming Function

This fixture features a 1-10V dimmable function, allowing you to adjust the light output to meet various lighting requirements and achieve greater energy savings. A 1-10V dimmer is NOT included and requires separate wiring during installation. Consult a qualified electrician for proper dimmer integration.

5. MAINTENANCE

The Konlite Linear LED Bay Ceiling Shop Light is designed for minimal maintenance. Its integrated LED light source and durable construction eliminate the need for bulb replacements and significantly reduce ongoing maintenance efforts. The fixture is rated with an L70 50,000 hour life.

For cleaning, ensure power is disconnected. Use a soft, dry cloth to wipe the exterior of the fixture. Avoid using abrasive cleaners or solvents, as these may damage the finish or components.

6. TROUBLESHOOTING

If you experience issues with your Konlite LED Bay Ceiling Shop Light, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Light does not turn on	No power to the fixture Loose wiring connection Faulty circuit breaker	Check power supply at the circuit breaker. Verify all wiring connections are secure (ensure power is off). Reset or replace the circuit breaker.
Light flickers or is dim	Incorrect voltage Improper dimming wiring Incompatible dimmer	Confirm supply voltage is within 100-277V. Review dimming circuit wiring. Ensure 1-10V dimmer is compatible with the fixture.
Partial illumination	Internal component issue	Contact Konlite customer support for assistance. Do not attempt to repair internal components.

If the problem persists after attempting these solutions, please contact Konlite customer support for further assistance. Do not attempt to open or repair the fixture yourself, as this may void the warranty and pose a safety risk.

7. SPECIFICATIONS

Detailed technical specifications for the Konlite 2 Pack Linear LED Bay Ceiling Shop Light (105W model):

Linear High Bay Dimensions

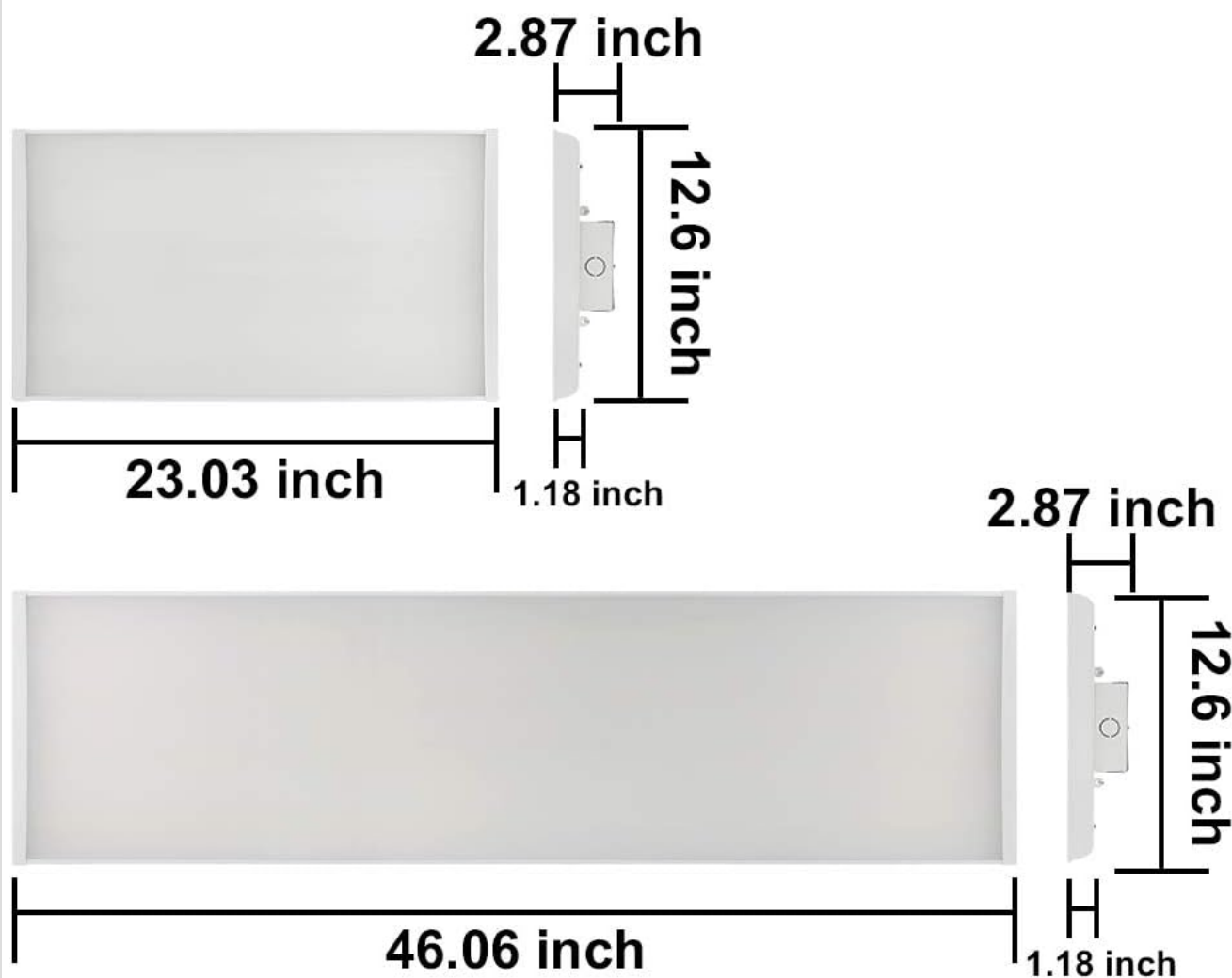


Figure 7.1: Product Dimensions for Konlite Linear High Bay Lights.

Attribute	Value
Brand	Konlite
Model Name	RKLH0301
Item Model Number	RKLH0301105W5KDNCHL-2PK
Wattage	105 watts
Brightness	14170 Lumens
Light Color	Daylight White (5000K)
Voltage	100-277 Volts AC
Product Dimensions	23.03"L x 12.6"W x 2.87"H
Material	Metal (Housing), Plastic (Shade)

Attribute	Value
Installation Type	Hanging or Surface Mount
Special Features	Instant On, Integrated LED Light Source, 1-10V Dimming
Indoor/Outdoor Usage	Indoor
Certifications	UL Listed, DLC Eligible
Item Weight	11 Pounds (for 2-pack)

8. WARRANTY AND SUPPORT

8.1. Warranty Information

Konlite provides a **Limited 5-Year Warranty** for this product. This warranty covers defects in materials and workmanship under normal use and service. Please retain your proof of purchase for warranty claims.



8.2. Customer Support



For any questions, technical assistance, or warranty claims, please contact Konlite customer support. We proudly serve you in the USA and are committed to providing excellent service.

For more information or to explore other Konlite products, please visit the official Konlite store on Amazon [Konlite Amazon Store](#)

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Related Documents

	<p>Konlite ALTA Series LED Linear Bay Light: Wattage & CCT Selectable High Bay Fixture</p> <p>Explore the Konlite ALTA Series LED Linear Bay Light, offering selectable wattage and CCT for versatile applications. Ideal for warehouses, industrial facilities, and retail spaces. Features 0-10V dimming, DLC Premium certification, and a 5-year warranty.</p>
	<p>Konlite EMAXFY Series Emergency Backup Battery Installation Guide</p> <p>Detailed installation guide for the Konlite EMAXFY Series Emergency Backup Battery, covering features, specifications, operation, and wiring diagrams for various LED lighting applications.</p>

 A technical specification sheet for the Konlite KWPD Series LED Full Cutoff Wall Pack. It includes product images, a detailed description of the fixture's features like selectable wattage and CCT, and a table of technical specifications.	<p>Konlite KWPD Series LED Full Cutoff Wall Pack: Wattage & CCT Selectable</p> <p>Detailed specifications for the Konlite KWPD Series LED Full Cutoff Wall Pack, featuring selectable wattage and CCT, optional emergency backup battery, and photocell. Includes performance data, electrical specifications, and dimensions.</p>
 A technical specification sheet for the Konlite JELBEX Series LED Edge-Lit Emergency Exit Sign. It features a product image of the exit sign, a description of its aluminum construction and emergency power capabilities, and a table of specifications.	<p>Konlite JELBEX Series LED Edge-Lit Emergency Exit Sign Specifications</p> <p>Comprehensive specifications for the Konlite JELBEX Series LED Edge-Lit Emergency Exit Sign, detailing its aluminum construction, acrylic panel, energy efficiency, emergency power capabilities, installation, ordering, and packaging information.</p>