



Manuals.plus /

› Robinair /

› Robinair 16345 Rechargeable Cordless True UV LED Light User Manual

## Robinair 16345

# Robinair 16345 Rechargeable Cordless True UV LED Light User Manual

Model: 16345

## INTRODUCTION

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The Robinair 16345 Rechargeable Cordless True UV LED Light is designed for efficient and accurate leak detection in A/C systems. When ultraviolet dye is injected and circulated throughout the A/C system, refrigerant then, seeps out at the point of a leak. With the high-power UV lamp, the leak will glow brightly and be spotted easily.

Key features include:

- Twelve LEDs producing high-intensity true UV light.
- Ergonomic pistol grip for comfortable handling.
- Momentary trigger switch for easy operation.
- Includes battery charger and UV enhancing glasses.
- Compatible with any UV leak dye additive.

## PRODUCT COMPONENTS

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Image: The Robinair 16345 UV LED Light, a blue and black pistol-grip device with a red trigger button, is shown alongside a pair of yellow UV-enhancing safety glasses. The light features twelve LED bulbs at its front.

## SETUP

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### 1. Charging the Battery

Before first use, fully charge the light's internal battery using the provided battery charger. Connect the charger to a standard electrical outlet and plug the charging cable into the light's charging port. The charging indicator (if present) will show the charging status. A full charge ensures optimal performance and runtime.

### 2. Wearing Safety Glasses

Always wear the included UV enhancing safety glasses when operating the UV LED light. These glasses are designed to protect your eyes from UV radiation and enhance the visibility of fluorescent dyes, making leaks more apparent.

## OPERATING INSTRUCTIONS

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### 1. Preparing for Leak Detection

Ensure that the A/C system has been properly charged with a compatible UV fluorescent leak detection dye. Allow the dye to circulate throughout the system for a sufficient period as recommended by the dye manufacturer.

## 2. Activating the UV Light

With the safety glasses on, press and hold the red momentary trigger switch located on the handle of the light. The twelve UV LEDs will illuminate, emitting high-intensity ultraviolet light.

## 3. Scanning for Leaks

Systematically scan all components of the A/C system, including hoses, fittings, compressors, condensers, evaporators, and service ports. Pay close attention to areas where leaks are commonly found. Any refrigerant mixed with UV dye escaping from a leak point will fluoresce brightly under the UV light, appearing as a vivid glow.

## 4. Identifying Leaks

Once a fluorescent glow is observed, pinpoint the exact location of the leak. Mark the area for repair. Release the trigger switch to turn off the UV light when not in use to conserve battery life.

# MAINTENANCE

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## Cleaning the Light

Periodically clean the exterior of the UV light with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used. Do not use abrasive cleaners or solvents, as these may damage the housing or the LED lenses. Ensure the light is off and disconnected from the charger before cleaning.

## Battery Care and Storage

To maximize battery life, avoid fully discharging the battery frequently. Recharge the battery when the light output appears dim. Store the light in a cool, dry place away from direct sunlight and extreme temperatures. If storing for extended periods, it is recommended to charge the battery every few months to prevent deep discharge.

# TROUBLESHOOTING

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| Problem                             | Possible Cause  | Solution  |
|-------------------------------------|---|---|
| Light does not turn on.             | Battery is discharged.                                    | Charge the battery using the provided charger.  |
| Light is dim.                       | Low battery charge.                                       | Recharge the battery.   |
| Cannot see fluorescent dye clearly. | Not wearing UV enhancing glasses; ambient light too high. | Ensure you are wearing the yellow UV enhancing glasses. Perform inspection in a dimly lit area if possible. |

# SPECIFICATIONS

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**Model Number:** 16345

**Brand:** Robinair

**Bulb Type:** LED (Twelve LEDs)

**Item Weight:** Approximately 1 pound

**Product Dimensions:** Approximately 4.3 x 3.3 x 10.7 inches

**Power Source:** Rechargeable Battery

**Included Accessories:** Battery charger, UV enhancing glasses

## WARRANTY AND SUPPORT

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Specific warranty information for the Robinair 16345 Rechargeable Cordless True UV LED Light is not provided within this manual. For warranty details, technical support, or service inquiries, please contact Robinair customer service directly or visit the official Robinair website. Please have your product model number (16345) and purchase information available when contacting support.

You can typically find contact information on the manufacturer's packaging or their official website.