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## LOFTEK 20inch & 16inch LED Cube Lights + 20inch Light Ball

# LOFTEK LED Cube Lights and Light Ball User Manual

Models: 20-inch & 16-inch LED Cube Lights, 20-inch LED Large Dimmable Light Ball

## INTRODUCTION

This manual provides essential instructions for the safe and effective use of your LOFTEK LED Cube Lights (20-inch and 16-inch) and 20-inch LED Large Dimmable Light Ball. Please read this manual thoroughly before operating the products and retain it for future reference.

These products are designed to provide versatile, colorful lighting for various indoor and outdoor settings, featuring RGB color changing capabilities, remote control operation, and a waterproof design.



Image: A LOFTEK 20-inch LED cube light glowing in a vibrant blue color, showcasing its primary function as an illuminated decorative piece.

## IMPORTANT SAFETY INFORMATION

- **Charging:** Use only the provided charging cables and adapters. Do not use damaged chargers. Ensure charging ports are dry before connecting.
- **Water Exposure:** While the products are IP65 waterproof, ensure the charging port cover is securely sealed before exposing them to water. Do not submerge for extended periods or in depths exceeding product specifications.
- **Temperature:** Avoid exposing the products to extreme temperatures (hot or cold) or direct sunlight for prolonged periods, as this may affect battery life and performance.
- **Cleaning:** Disconnect from power before cleaning. Use a soft, damp cloth. Do not use abrasive cleaners or solvents.

- **Children:** Keep small parts, such as the remote control battery, out of reach of children.
- **Disassembly:** Do not attempt to disassemble or repair the product yourself. Contact customer support for assistance.

## PACKAGE CONTENTS

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Please verify that all items are present in your package:

- LOFTEK 20-inch LED Cube Light
- LOFTEK 16-inch LED Cube Light
- LOFTEK 20-inch LED Large Dimmable Light Ball
- Remote Control
- Charging Cables (Quantity may vary based on package)
- User Manual (This document)

## SETUP

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### 1. Initial Charging

Before first use, fully charge all LED lights. The charging port is typically located on the bottom or side of the unit, protected by a waterproof cover.

1. Locate the charging port on each light unit.
2. Carefully open the waterproof cover.
3. Connect the provided charging cable to the light unit and a suitable USB power adapter (not included).
4. A charging indicator light will typically illuminate (e.g., red for charging, green for fully charged).
5. Once fully charged, disconnect the cable and securely close the waterproof cover to maintain IP65 rating.

**Note:** A full charge can provide approximately 8+ hours of bright illumination or 48+ hours at dim settings.

### 2. Remote Control Battery Installation

The remote control may come with a battery pre-installed or require installation.

1. Locate the battery compartment on the back of the remote control.
2. If a plastic tab is present, pull it out to activate the battery.
3. If installing a new battery (CR2025 or similar, check remote for specific type), ensure correct polarity (+/-).
4. Close the battery compartment securely.

- 16 Colors
- 22 Lamp Beads
- 5 Brightness Dimming
- 4 Speed Modes



Bearing : **Up-to 300 lbs**  
Dimensions : **20-inch**



**Very easy to operate with multi-function remote control  
( Or by pressing control )**

Image: The remote control used to operate the LOFTEK LED lights, shown alongside a person demonstrating the durability of the 20-inch LED cube light.

## OPERATING INSTRUCTIONS

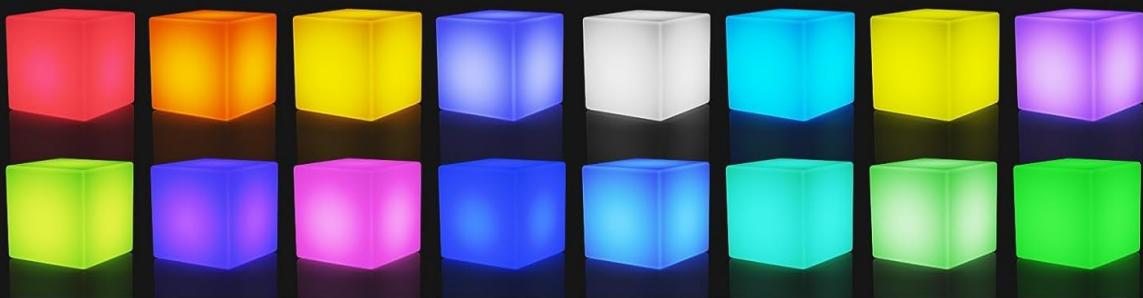
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### 1. Power On/Off

- Using the Remote Control:** Press the **ON** button to turn the light on, and the **OFF** button to turn it off.
- Manual Control:** For some models, a button on the bottom of the light unit can be pressed to cycle through colors or turn the unit on/off. Refer to your specific product for details.

### 2. Color Selection and Brightness Adjustment

# RGBW 16 Colors and 4 Dynamic Modes



REMOTE

CONTROL



20%

40%

60%

80%

100%

## 5 Levels of Brightness

DIM

48+Hrs

BRIGHT

8+Hrs

DIM THE LIGHT TO SET THE MOOD

Image: Visual representation of the 16 available RGBW colors and the 5 brightness levels, illustrating the versatility of the LOFTEK LED lights.

Use the remote control to customize your lighting experience:

- **Color Buttons:** Press any of the 16 color buttons to select a static color.
- **White Light:** Press the **W** button for pure white light.
- **Brightness Adjustment:** Use the **DIM** and **BRIGHT** buttons (or up/down arrows) to adjust the light intensity through 5 levels.

### 3. Dynamic Modes

The remote control offers 4 dynamic lighting modes:

- **FLASH:** Rapidly cycles through colors.
- **STROBE:** Flashes a single color.
- **FADE:** Smoothly transitions between colors.
- **SMOOTH:** A slower, more gradual transition between colors.

Press the corresponding button on the remote to activate a mode. Some modes may also have speed adjustment options.

### 4. Waterproof Usage

## Durable and IP65 Waterproof

It can be submerged in water or float on the surface of the water.



Image: Illustration of the IP65 waterproof rating, showing the LED cube light submerged in water and multiple lights floating in a swimming pool, highlighting their suitability for outdoor and pool environments.

The LOFTEK LED lights are rated IP65 waterproof, making them suitable for outdoor use and floating in pools. Ensure the charging port cover is tightly sealed before any water exposure.



Image: Various LOFTEK LED light balls illuminating a swimming pool and surrounding deck area during the evening, showcasing their decorative and functional use in outdoor settings.

## MAINTENANCE

- **Cleaning:** Wipe the surface of the lights with a soft, damp cloth. Do not use harsh chemicals or abrasive materials. Ensure the charging port cover is closed during cleaning.
- **Battery Care:** To prolong battery life, avoid fully discharging the lights frequently. Recharge them when the light output becomes noticeably dim. If storing for an extended period, charge them every 3-6 months.
- **Storage:** Store the lights in a cool, dry place away from direct sunlight and extreme temperatures when not in use.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Light does not turn on.	Battery is depleted. Remote control battery is dead or not installed correctly.	Charge the light unit. Replace or install the remote control battery.
Remote control is not working.	Remote battery is dead. Obstruction between remote and light. Light unit is out of range.	Replace remote battery. Ensure clear line of sight. Move closer to the light unit.
Light is not charging.	Charging cable or adapter is faulty. Charging port is not clean or dry.	Try a different charging cable/adapter. Ensure charging port is clean and dry before connecting.
Light flickers or changes color unexpectedly.	Low battery. Interference.	Recharge the light unit. Move away from other electronic devices.

## SPECIFICATIONS

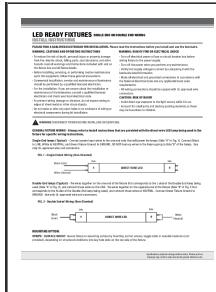
Feature	Detail
Product Type	LED Cube Lights (20-inch & 16-inch), LED Large Dimmable Light Ball (20-inch)
Brand	LOFTEK
Model	20inch & 16inch LED Cube Lights + 20inch Light Ball
Light Source	RGBW LED (16 Colors)
Brightness Levels	5 Dimmable Levels
Dynamic Modes	4 (Flash, Strobe, Fade, Smooth)
Control Method	Remote Control, Press Control (on unit)
Waterproof Rating	IP65
Battery Capacity	4000mAh (typical, per unit)
Battery Life	8+ hours (bright), 48+ hours (dim)
Weight Bearing (Cube)	Up to 300 lbs

## WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or visit the official LOFTEK website. If you encounter any issues or have questions not covered in this manual, please contact LOFTEK customer support through their official channels.

**LOFTEK Official Website:** [Visit LOFTEK Store on Amazon](#)





## [Sunco Lighting 4ft LED Ready Strip Fixture Installation Guide: Single & Double End Wiring](#)

Installation instructions for Sunco Lighting 4ft LED Ready Strip Fixtures, covering single-end and double-end wiring, safety warnings, and mounting options. This guide is intended for qualified electricians.