

## Lumishore DL50

# Lumishore DL50 LUX Downlight User Manual

Model: DL50 - Full Color CRGBW (Black Bezel)

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## 1. INTRODUCTION

Thank you for choosing the Lumishore DL50 LUX Downlight. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new lighting product. The DL50 LUX Downlight is engineered to provide superior illumination for both interior and exterior overhead applications, particularly in marine environments. Its full spectrum CRGBW capabilities and dimmable features ensure versatile lighting options.

Please read this manual thoroughly before installation and keep it for future reference.

## 2. SAFETY INFORMATION

**WARNING:** Failure to follow these safety instructions could result in fire, electric shock, injury, or damage to the product or property.

- Always disconnect power before installing, servicing, or cleaning the fixture.
- Installation should be performed by a qualified electrician or marine technician in accordance with all local and national electrical codes.
- Ensure the power supply voltage matches the requirements specified for the DL50 LUX Downlight.
- Do not modify or alter the product in any way. Unauthorized modifications may void the warranty and create safety hazards.
- Avoid looking directly into the light source when illuminated, as it may cause eye strain or damage.
- This product is designed for marine and outdoor use with an IP68 rating, but ensure all connections are properly sealed and protected from water ingress during installation.
- Keep packaging materials away from children.

### 3. PACKAGE CONTENTS

Carefully unpack the box and ensure all items are present and undamaged. If any items are missing or damaged, please contact your Lumishore dealer immediately.

- Lumishore DL50 LUX Downlight (Full Color CRGBW, Black Bezel)



Figure 3.1: Top-down view of the Lumishore DL50 LUX Downlight, showing its black bezel and central light element.

### 4. SETUP & INSTALLATION

The Lumishore DL50 LUX Downlight is designed for flush mounting with a shallow depth, making it suitable for various overhead applications.

#### 4.1. Pre-Installation Checklist

- Verify power is disconnected at the source.
- Ensure you have the necessary tools: drill, hole saw (appropriate size for flush mount), wire strippers, crimpers, sealant (marine grade if applicable).
- Confirm the mounting surface is suitable and has sufficient clearance for the light's shallow depth.

#### 4.2. Installation Steps

1. **Choose Location:** Select a suitable location for the downlight, ensuring it provides adequate illumination and is clear of obstructions.
2. **Cut Mounting Hole:** Using a hole saw of the appropriate diameter (refer to specifications for exact

dimensions), carefully cut the mounting hole in the desired location. Ensure the hole is clean and free of debris.

3. **Wiring:** Route the power cables to the mounting hole. Connect the downlight's wires to your vessel's electrical system according to the wiring diagram provided with your LUX Light Control Module (sold separately or integrated). Pay close attention to polarity and color coding for CRGBW functionality. Ensure all connections are secure and properly insulated, especially in a marine environment.
4. **Secure Downlight:** Gently push the downlight into the mounting hole. The spring clips on the sides of the downlight will secure it in place. Ensure the bezel sits flush against the mounting surface.
5. **Seal (Optional but Recommended for Marine):** For added protection in wet environments, apply a thin bead of marine-grade sealant around the bezel where it meets the mounting surface.
6. **Restore Power:** Once installation is complete and all connections are secure, restore power to the circuit.

## LUMISHORE LUX FULL COLOR CHANGE DOWNLIGHT INTERIOR/EXTERIOR OVERHEAD LIGHTING



Figure 4.1: Side view of the Lumishore DL50 LUX Downlight, illustrating its compact dimensions for flush mounting.

## 5. OPERATING INSTRUCTIONS

The Lumishore DL50 LUX Downlight is designed for easy control, offering a range of lighting options.

### 5.1. Basic Control (Momentary Switch)

If controlled by a momentary switch, the DL50 LUX Downlight can typically be operated as follows:

- **Power On/Off:** A quick press of the momentary switch will turn the light on or off.
- **Color Cycle:** Rapidly pressing the switch multiple times may cycle through preset colors (Red, Green, Blue, Cold White, Warm White, etc.).
- **Dimming:** Holding the switch down will typically initiate dimming. Release the switch at the desired brightness level.

### 5.2. Advanced Control (MFD/Lumishore Display Integration)

For full control over the DL50 LUX Downlight's features, including precise color selection (CRGBW), white color temperature tuning (2700k to 6500k), and advanced dimming, it is recommended to integrate with a compatible Multi-Function Display (MFD) or a dedicated Lumishore Display. Refer to the specific instructions for your MFD or Lumishore Display for detailed control procedures.

- **Color Selection:** Access the lighting control interface on your MFD/Display to select any color from the full CRGBW spectrum.
- **White Temperature Tuning:** Adjust the white light from a warm 2700K to a cool 6500K to suit your preference or environment.
- **Precise Dimming:** Utilize the on-screen controls for granular brightness adjustments.
- **Scene Programming:** Create and save custom lighting scenes for quick recall.

## 6. MAINTENANCE

The Lumishore DL50 LUX Downlight is designed for durability and requires minimal maintenance. Regular cleaning and inspection will ensure optimal performance and longevity.

- **Cleaning:** Clean the bezel and lens with a soft, damp cloth and mild soap. Avoid abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or lens. Rinse with fresh water if used in a saltwater environment.
- **Inspection:** Periodically inspect the light for any signs of damage, loose connections, or corrosion, especially if installed in an outdoor or marine setting. Address any issues promptly.
- **No User-Serviceable Parts:** The DL50 LUX Downlight contains no user-serviceable parts. Do not attempt to open or repair the unit. Contact qualified service personnel if the unit requires repair.

## 7. TROUBLESHOOTING

If you experience issues with your Lumishore DL50 LUX Downlight, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Light does not turn on.	No power supply; Loose wiring connection; Faulty switch/controller; Blown fuse/tripped breaker.	Check power source; Verify all wiring connections are secure; Test switch/controller; Check and replace fuse or reset breaker.
Incorrect color or flickering.	Wiring issue (e.g., incorrect CRGBW connection); Controller malfunction; Power fluctuations.	Verify wiring against diagram; Restart controller/MFD; Ensure stable power supply.
Light is dim or not dimming properly.	Controller setting; Power supply issue; Compatibility issue with non-Lumishore dimming systems.	Adjust dimming settings on controller/MFD; Check power supply voltage; Ensure use with LUX Light Control Module for optimal dimming.
Water ingress/condensation inside light.	Improper sealing during installation; Damaged unit.	Ensure all connections are properly sealed; If unit is damaged, contact Lumishore support.

If the problem persists after attempting these solutions, please contact Lumishore customer support or a qualified technician.

## 8. SPECIFICATIONS

Key technical specifications for the Lumishore DL50 LUX Downlight:

Feature	Specification
Model Name	LUX Downlight
Item Model Number	DL50
Part Number	60-0391
Brand	Lumishore
Color	Full Color (Black Bezel)
Material	Aluminum
Light Source Type	LED
Light Spectrum	CRGBW (Cold White, Red, Green, Blue, Warm White)
White Color Temperature	Tuneable from 2700K to 6500K
Dimmable	Yes (Standard)
Control Method	Remote Control (Momentary Switch, MFD/Lumishore Display)
Installation Type	Flush Mount
Fixture Type	Non Removable

Feature	Specification
Indoor/Outdoor Usage	Outdoor
Special Feature	Waterproof (IP68 Rated)
Included Components	Downlight
Manufacturer	Lumishore
UPC	847772002616

## 9. WARRANTY & SUPPORT

Lumishore products are manufactured to the highest standards and are backed by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Lumishore website.

For technical support, troubleshooting assistance, or warranty claims, please contact Lumishore customer service or your authorized Lumishore dealer. You can also visit the official Lumishore store on Amazon for more information and product resources:

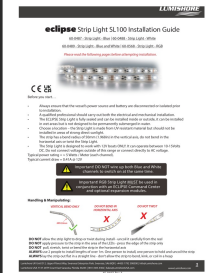
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### Related Documents - DL50



[Lumishore ECLIPSE CL30 Courtesy Light Installation Guide](#)

Comprehensive installation guide for the Lumishore ECLIPSE CL30 Courtesy Light, covering electrical and mechanical installation, switch operation, command center integration, and warranty details for marine applications.



[Lumishore ECLIPSE Strip Light SL100 Installation Guide](#)

Installation guide for Lumishore ECLIPSE Strip Light SL100, covering electrical connections, handling, cutting, sealing, and mechanical installation for marine environments. Includes details on switch and Command Center setups, maintenance, and warranty.



[SICK DL50 Hi Distance Sensor with SSI Interface - Operating Instructions](#)

Operating instructions for the SICK DL50 Hi distance sensor featuring an SSI interface and display. This document covers safety precautions, proper use, starting operation, menu structure, SSI interface details, maintenance, and technical specifications for industrial distance measurement applications.



[AVer DL30/DL50 Distance Learning Tracking Camera Quick Start Guide](#)

A quick start guide for the AVer DL30/DL50 Distance Learning Tracking Camera, covering setup, connections, remote control functions, LED indicators, CaptureShare software, and IP address configuration.