

# LumiSheet™ Wet Rated Panel

## Operations & Maintenance Manual

Thank you for purchasing the LumiSheet™ Wet Rated Panel. This wet-rated LED light-guided panel is designed for high-performance illumination in environments with exposure to moisture. Please read this manual carefully to ensure proper installation, operation, and maintenance of the panel.



Manufactured in  
North America



Cut to Any  
Custom Shape



Multi Panel Tiled  
Setup



Indoor And  
Outdoor



Various LED  
Locations

## 1. Safety Information

### 1.1 General Safety Precautions

- Only qualified electricians should install, operate, and service this panel
- Disconnect power before installation or maintenance
- Ensure all electrical connections comply with local codes and regulations
- Do not use the panel if it is damaged

### 1.2 Environmental Considerations

- This panel is rated for wet locations but should not be submerged
- Operate within the specified temperature

# LumiSheet™ Wet Rated Panel Operations & Maintenance Manual

## 2. Product Handling

### 2.1 LumiSheet™ Precautions

- LumiSheet™ Panels are fragile; handle with care
- Avoid placing the panel on its edge to prevent cracking or chipping
- The acrylic construction is susceptible to damage if not handled properly

### 2.2 Wiring Awareness

- Be mindful of all product wiring
- Avoid stepping on or snagging hanging wires when unpacking or transporting panels

## 3. Product Specifications

- **Model Number:** 118716
- **Voltage:** 12-24VDC
- **Power Consumption:** Low 2.4W /ft, Standard 4.4W /ft | 5.5W/ft, 8.0W /ft Max (Tunable) | Standard 4.4W/ft (RGB) | 4.9W Max (RGBW)
- **Surface Brightness:**  $\geq 3,200$  lx
- **Color Temperature:** 2700K, 3000K, 3500K, 4100K, 5300K, 6500K | Tunable White (from 2700K warm – to 6500K cool) | RGB | RGBW (White 3000K | 4100K)
- **Ingress Protection Rating:** IP65
- **Operating Temperature Range:**  $-20^{\circ}\text{C}$  ( $-4^{\circ}\text{F}$ )  $\sim$   $+50^{\circ}\text{C}$  ( $+122^{\circ}\text{F}$ )
- **Certifications:** UL Listed (E346146)

## 4. Installation Guidelines

### 4.1 Tools & Materials Required

- Mounting brackets
- Electrical connectors
- Screwdrivers and drill
- Personal protective equipment

### 4.2 Mounting Instructions

1. **Surface Mounting:** Secure the panel using the provided brackets and screws (Optional)
2. **Flush Mounting:** Ensure the panel is evenly supported and sealed

# LumiSheet™ Wet Rated Panel Operations & Maintenance Manual

## 4.3 Electrical Wiring

- **Do not connect to AC power.** A low-voltage power supply that conforms to the voltage requirements of the product is required
- Ensure watertight connections using approved waterproof connectors
- Verify all connections before restoring power

## 5. Operation & Testing

- Test before installing. Inspect the panel upon delivery and test for proper illumination before installation
- Turn on the power supply and ensure uniform illumination
- If using a dimmable driver, verify compatibility with the dimming system

## 6. Maintenance & Cleaning

### 6.1 Regular Inspection

- Check for any physical damage or water ingress
- Inspect wiring connections for signs of corrosion or loosening

### 6.3 Cleaning Procedures

- Keep the protective film intact until installation
- Use a soft, non-abrasive cloth with mild soapy water
- Do not use ammonia, alcohol, or solvent-based cleaners

## 7. Storage Guidelines

- Store light panels in a clean, dry area
- Keep the product covered to protect from moisture and dust
- Store on a flat, horizontal surface to avoid flexing and damage

## 8. Installation Environment

- Consider environmental temperature changes as acrylic may expand and contract
- Ensure installation accommodates these changes to prevent mounting failure

# LumiSheet™ Wet Rated Panel Operations & Maintenance Manual

## 9. Modifications & Restrictions

- Do not drill or modify the light panel, as this may void the warranty
- Do not cut the panel. Field modifications will void the warranty
- Do not use adhesives such as double-stick tape or glue, as it may cause performance issues

## 10. Troubleshooting

Issue	Possible Cause	Solution
Panel does not turn on	No power supply	Check connections and power source
Flickering light	Loose wiring or incompatible dimmer	Secure connections and check dimmer compatibility
Uneven illumination	LED degradation or dirt accumulation	Clean panel or contact support

## 11. Modifications & Restrictions

This product is covered under a 5-year limited warranty. For additional support, contact us.

## 12. Disposal & Recycling

Dispose of this product in accordance with local electronic waste regulations. Do not discard with household waste.

