

## 1. System Overview & Specifications

The Slotted UpBright® is a high-intensity, illuminated retail display system. It operates on a low-voltage 24V DC circuit powered by an external driver. The display unit is designed for indoor use only.

### 1.1 Electrical Ratings

Model Size	Input Voltage (Driver)	System Voltage	Total Power Consumption	Total Current	Rated Wattage (Watts)	Rated Current (A)
1005mm Unit	100-305V AC	24V DC	205.44 W	8.56 A	234	9.75
610mm Unit	100-305V AC	24V DC	136.80 W	5.70 A	180	7.50

### 1.2 Key Components

- **Power Supply Unit (PSU):** Mean Well ELG-240-24A (IP67 Rated).
- **Light Source:** Integrated Edge-lit SEG Retail System (OSRAM OSOLON® SSL 150).
- **External Connection:** External Connection: Greenway 898-2 (2-Pin Black).
- **Internal Connection:** Molex Micro-Fit 3.0.

## 2. General Safety & Installation Advice

> **Important:** If you are unsure about any part of these instructions or the suitability of the installation surface, do not proceed. We strongly recommend seeking assistance from a professional installation team with electrical qualifications.

### 2.1 Connector & Cable Care

- **No Compression:** Ensure that cables and connectors (both internal and external) are not crushed, pinched, or tightly packed against other objects. They require space to "breathe" to prevent heat build up.
- **Environmental Protection:** While the external power supply is durable, the connectors must be kept in a dry, dust-free environment. Dust accumulation inside connectors can cause resistance and potential failure.
- **Modification:** Do not modify the internal wiring or cut the cables. Altering specific cable lengths can cause voltage drop, resulting in dimmer LEDs or system failure.

### 2.2 Operational Environment

- **Indoor Application:** This display is strictly for internal retail environments. Do not expose the frame or internal cabling to rain, mist, or direct moisture.
- **Thermal Management:** The aluminium frame acts as a heat sink for the LED modules. Ensure the frame surface is not covered by insulating materials (other than the supplied graphics) that would trap heat.

## 3. Regulatory & Compliance Information

### 3.1 Electrical Safety (Class I & Class III)

- **Power Supply Unit (Driver):** The external LED driver is a Class I device. It must be connected to a mains socket outlet with a protective earth (ground) connection.
- **Display Frame (SELV):** The display unit itself operates at 24V DC Safety Extra Low Voltage (SELV). The aluminium frame is electrically isolated from the mains supply and does not require a separate earth bond.

### 3.2 FCC Compliance Statement (USA)

*Required by 47 CFR Part 15 for digital/electronic devices.*

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### 3.3 WEEE Disposal & Transfer of Responsibility

**Environmental Protection:** The Slotted UpBright® system contains electrical components (Driver, LEDs, PCBs) and aluminium profiles which must not be disposed of in general municipal waste.

**Business-to-Business (B2B) Disposal Agreement:** By purchasing this product, the customer agrees to assume full responsibility for the environmentally sound disposal of this Waste Electrical and Electronic Equipment (WEEE) at the end of its working life, in compliance with all applicable local legislation (e.g., The Waste Electrical and Electronic Equipment Regulations 2013 in the UK).

The customer shall ensure the product is handed over to an authorized treatment facility for recycling or recovery. For full details regarding this agreement, please refer to our Terms of Service: <https://slottedupbright.com/policies/terms-of-service>

### 3.4 Photobiological Safety

**Caution:** This system uses high-intensity LEDs. Do not stare directly into the light source at close range during operation.

## 4. Cleaning & Upkeep

### 4.1 Cleaning the Frame

- **DRY CLEAN ONLY:** Use a clean, dry, soft, lint-free cloth to wipe down the powder-coated aluminium extrusions.
- **WARNING:** Do not use water, damp cloths, or liquid sprays of any kind. Moisture entering the frame can damage the internal electrical components and LED PCBs.
- **DO NOT USE ABRASIVES:** Scouring pads or strong solvents will damage the finish.

### 4.2 Cleaning the Fabric Graphic (SEG)

- Fabric graphics should be dusted regularly with a soft brush or vacuumed using a low-suction upholstery attachment.
- If the fabric is stained, it should be removed from the frame before any attempt to clean it, to ensure no moisture touches the display unit.

## 5. Troubleshooting

If the system fails to illuminate or behaves unexpectedly, perform the following checks:

Symptom	Potential Cause	Action
<b>No Light (Entire Unit)</b>	<b>No Mains Power</b>	Check if the AC plug is securely inserted into the wall socket and switched on.
	<b>Disconnected Driver</b>	Check the black 2-pin connector linking the external driver to the frame. Ensure it is fully clicked into place.
<b>Flickering / Intermittent</b>	<b>Connector Issues</b>	Check that external cables are not crushed or under tension. Ensure connectors are free of dust and debris.
<b>Section of LEDs Out</b>	<b>Internal Disconnection</b>	Isolate power first. If a specific side is dark, the internal Molex connector may have become unseated. Check the connection at the splitter cable inside the frame.
<b>Dim Light</b>	<b>Incorrect Driver / Cabling</b>	Ensure only the supplied ELG-240 driver and original cabling are being used

> **Note:** If these steps do not resolve the issue, contact your supplier. Do not attempt to open the power supply unit.

## 6. Warranty

The Slotted UpBright® system is covered by the following warranty terms, subject to correct installation and normal usage conditions:

- **Power Supply Unit (Mean Well):** 3-Year Warranty.
- **LED Modules:** 2-Year Warranty.
- **Frame & Mechanicals:** 1-Year Warranty (against manufacturing defects).

*Warranty is void if the product has been modified, misused, exposed to moisture, or installed contrary to the provided instructions.*