

# LBX20-POE



Ikan Lyra PoE 1 x 2 Light



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# 1. Introduction

## 1.1 Overview

The Ikan LBX20-POE is an innovative 1×2 soft panel LED light that revolutionizes studio lighting with dual PoE++ ports for 170W power delivery and DMX control through Cat6 RJ45 Ethernet cables. This cutting-edge fixture seamlessly integrates into Q-SYS ecosystems via the Q-SYS Designer Plugin while supporting ArtNet and sACN protocols for comprehensive control options. Featuring high CRI LED chips behind a permanently mounted half-stop soft diffusion panel, the LBX20-POE delivers exceptionally soft, wrapping light with clean, artifact-free shadows. (Patent Pending)

## 1.2 Key Features

- PoE++ (802.3bt Type 4) Compatibility
- 170W Power Output
- Soft Panel
- Color Temperature Adjustable
- Intensity Control
- Art-Net & sACN DMX over IP

## 1.3 Package Contents

- LBX20-POE LED Light Fixture
- Yoke
- Combo Pin
- Safety Wire

# 2. Safety Information

## 2.1 General Safety Guidelines

- Read and follow all instructions in this manual.
- Keep the light away from moisture and extreme temperatures.
- Do not attempt to disassemble the light; there are no user-serviceable parts inside.
- Keep the light away from flammable materials during operation.

## 2.2 Electrical Safety

- **NOTE:**Check minimal cable specs on page 5.
- Ensure that the power source complies with local electrical standards.
- If the cable is damaged, replace it immediately.

## 2.3 Maintenance and Cleaning

- Disconnect the light from the power source before cleaning.
- Use a soft, dry cloth for cleaning; do not use solvents or abrasive materials.

## 2.4 Environmental Considerations

- Dispose of the light and packaging in accordance with local regulations.
- Do not expose the light to rain or wet conditions.

## 2.5 Compatible Cables

- Use only Category 6 (Cat 6) or higher Ethernet cables.
- Choose cables with a minimum American Wire Gauge (AWG) of 24.
- Shielded cables are recommended to minimize electromagnetic interference.

# 3. Safety Information

## 3.1 LBX20-POE Specifications

Power Output	170W
Color Temp Range	3200K to 5600K
Color Rendering Index (CRI)	>97

# 4. Getting Started

## 4.1 Unpacking

- Carefully unpack the light and its accessories. Ensure that all items listed in the package contents are present.

## 4.2 Mounting Options

- Use included combo pin to attach the light to a light stand or other mounting surfaces.

## 4.3 Powering On and Off

- Connect the Cat6 or better cable to the light and a compatible PoE++ power source.
- Flip the switch to the on position.
- The light will take up to 5 seconds to boot up. The screen flashing white is a normal indication that the light is turning on.

## 4.4 Basic Controls

- The yellow circular knob serves as both the enter button and a scroll wheel to adjust values. After adjusting to the values you want, confirm by pressing the back button and returning to previous options.

# 5. POE Information

## 5.1 Understanding Power over Ethernet (PoE)

- PoE allows for the simultaneous transmission of power and data over a single Ethernet cable, simplifying installation and reducing cable clutter.

## 5.2 802.3bt Type 4 Compatibility

- Ensure that the PoE source complies with the 802.3bt Type 4 standard to provide the necessary power for the LBF60-POE.

## 5.3 Connecting to PoE Source

- Connect a Cat6 or higher Ethernet cable to the light and a compatible PoE++ power source. Verify the connection is secure.

## 5.4 Troubleshooting PoE Issues

- If power issues arise, check the PoE source and cable for faults. Contact customer support if problems persist.

**Intensity: 10%**

**CCT: 3200K**

**DMX Address: 01**

**Net State: ART-NET**

**IP: 192. 168. 000. 050**

**IP Mode: Static**

**Universe: 01**

## **6.1 Intensity**

- Adjust the brightness to achieve the desired illumination level. The light can be set from 0-100%, increasing and decreasing by increments of 1%.

## **6.2 CCT (Color Temperature)**

- Adjust the color temperature between 2700K and 6500K.

## **6.3 DMX Address**

- DMX512 channel selection from 1 to 511. Each light requires two channels for use.
- The first channel is intensity and the second is color temperature. DMX control has priority.
- When the light receives DMX signal a green dot will appear indicating that DMX signal is received.
- NOTE: Intensity and CCT will no longer be available to control locally.

# 6.4 Net State:

- Turns on the usage of DMX over IP protocols Art-Net or sACN. Once one of these are selected, select the following:

IP: IP address of the light. The light can be set as the following:

192.168.xxx.xxx

172.xxx.xxx.xxx

10.xxx.xxx.xxx

IP Mode: Set either DHCP or Static

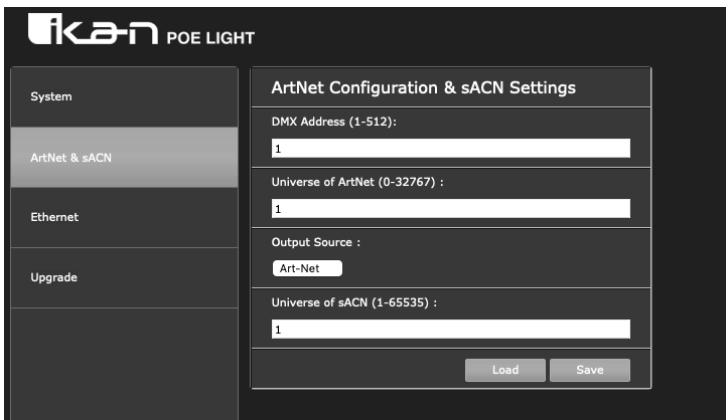
Universe: Select the address for Art-Net or sACN

# 6.5 Firmware Updates

- Check the manufacturer’s website for firmware updates to ensure optimal performance. Firmware updating instructions will be available with the firmware update files.

# 6.6 Web Interface

- The light fixture is equipped with a web-based Graphical User Interface (GUI) that facilitates the adjustment of DMX address, Art-Net settings, sACN settings, as well as Ethernet configurations including IP address, Net Mask, and Gateway preferences.
- Access the web interface by entering the IP address on the back of the light. For example, if the light shows 192.168.0.50 enter that into the web browser of a computer on the same network as the light fixture.



**ikan** POE LIGHT

System

ArtNet & sACN

**Ethernet**

Upgrade

**IP Address Configuration**

IP Mode :  
☐ Static

IP Address :  
192.168.0.50

Net Mask :  
255.255.255.0

Gate Way :  
0.0.0.0

Load Save

## 7. Maintenance

### 7.1 Cleaning and Care

- Clean the light with a soft, dry cloth. Avoid using solvents or abrasive materials.

### 7.2 Storage Guidelines

- Store the light in a dry, cool environment. Disconnect from power during extended periods of use.

## 8. Troubleshooting

### 8.1 Power Issues

- Check the PoE source, cable, and connections. Ensure proper compatibility with the 802.3bt Type 3 standard on PoE Switch.

### 8.2 DMX over IP Controls Not Working

- Check that the lights are in the correct universe in the controller and the light fixture.



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## **Support**

Contact email: [support@ikancorp.com](mailto:support@ikancorp.com)

### **CONDITIONS OF WARRANTY SERVICE**

- Free service for 1 year from the day of purchase if the problem is caused by manufacturing errors.
- The components and maintenance service fee will be charged if the warranty period is expired.

**Free service will not be provided in the Following Situations: (\*Even if the product is still within the warranty period.)**

- Damage caused by abuse or misuse, dismantling, or changes to the product not made by the company.
- Damage caused by natural disaster, abnormal voltage, and environmental factors, etc.

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