

# **OVERVIEW**

The NexLight® DMX Series lighting control panel provides control of DMX controllable lighting by combining two powerful and reliable control systems, Pharos Architectural and NexLight. The DMX Series provides versatile control as a standard offering from NexLight, with configurations available in 1, 2 or 4 universes. These lighting control panels come in a NEMA/Type 1 enclosure and are factory wired in NexLight's UL508A shop, ready to accept DMX control cable (Belden 9841). Networking multiple panels together using the global addressing feature provides seamless control from a single platform allowing for full integration between DMX fixtures and traditional lighting fixtures. The easy-to-use Graphic User Interface (GUI) may be accessed through a Personal Computer (PC) for real-time programming, monitoring and override of your traditional lighting loads or DMX timelines. The scheduling function is also accessed through the GUI and provides the end user with full control of the system whether on-site or from a remote location.

# **FEATURES**

- Includes a comprehensive set of pre-loaded timelines
- The power of Pharos Architectural combined with the reliability of NexLight
- Full Integration of DMX Lighting with Traditional Building Lighting
- Fixture brand agnostic programming capabilities
- BACnet connectivity for BMS available by adding NXL-BMS accessory panel
- Graphic User Interface via PC with built-in Real-Time-Clock for scheduling

# **AVAILABLE PANEL CONFIGURATONS:**

NXL-DMX1 NexLight DMX Series Panel, 1 Universe Control
NXL-DMX2 NexLight DMX Series Panel, 2 Universes Control
NXL-DMX4 NexLight DMX Series Panel, 4 Universes Control



# DMX SERIES PANEL

# **SPECIFICATIONS**

# **Physical**

NEMA/Type:

Mounting: Surface Mount

Operating Temp: 32° to 122°F (0°C to 55°C)

# **Electrical (Control Wiring)**

Output Signal: ±24VAC, 500mA
Input Signal: 24VAC, Class II
Ethernet: 10/100 Ethernet TCP/IP

Modbus TCP (BACnet via NXL-BMS) Requires UPT Cable Category 5 or greater

Max # of units: 250 (Ethernet)

# **LPC Output**

DMX512: 2 Ports (max 512 channels per universe)

USITT E1.11-2008

RDM: Supports discovery and addressing via

Designer Software

sACN: USITT E1.31 (with per fixture priority) standard

Pathport: Pathway Connectivity Protocol

Scalable: Synchronizes with up to 40 Pharos Designer

Controllers over network

Simultaneous: Multiple protocols may operate simultaneously

Limited by patched channels, not universes used

\*\*Other Outputs: Contact NexLight for Details

#### **NETWORKABLE WITH:**

NexLight R Series Relay Panels

NexLight D Series Dimming Panels

Custom NexLight Network Lighting Control Systems

NXL-BMS BACnet Protocol Conversion Panel for Building

Management System (BMS) Integration (12"H x 12"W x 6"D)

<sup>\*\*</sup>See individual specification sheet for more information.



### PRECONFIGURED TIMELINES

The below list of timelines are preconfigured timelines in the Pharos device. There is a total of 52 preconfigured timelines with the availability to configure up to 71 total timelines. All NexLight DMX Series panels come preconfigured to control all available timelines within the Pharos device.

Full White Amber Valentines Day New Years White MLK Day Gold St. Patricks Day Cool White Rainbow 1 Light Green Easter Warm White Green Mardi Gras Rainbow 2 Magenta Dark Green Red White Blue Rainbow 3 Light Pink Light Blue Cinco de Mayo Daily Hot Pink Blue Halloween Scene 2 Pink Navy Blue Thanksgiving Scene 3 Red Indigo Hanukkah Scene 4 Light Orange Teal Christmas 1 Scene 5 Christmas 2 Dark Orange Aqua Scene 6 Purple Earth Day Coral Scene 7 Yellow Lavender Juneteenth All Off

### PRECONFIGURED SCHEDULES

The below list of schedules are preconfigured within the NexLight DMX Series panel to provide a basic holiday schedule listing to set up facility control. These schedules can be easily enabled or disabled and set to control any of the preconfigured timelines listed above.

All Off Earth Day Independence Day Veterans Day Daily Cinco de Mayo Labor Day Thanksgiving Martin Luther King Jr Day Memorial Day 9/11 Christmas Eve Valentines Day Flag Day Mexican Independence Day Christmas Day St. Patricks Day Juneteenth Halloween New Years Eve

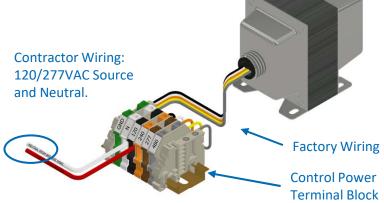


# **DMX SERIES**

LIGHTING CONTROL PANEL







\*120VAC Connection Shown

#### APPLICATION OVERVIEW

The NexLight® DMX Series lighting control panel provides control of DMX controllable lighting by combining two powerful and reliable control systems, Pharos Architectural and NexLight. The DMX Series provides versatile control as a standard offering from NexLight, with configurations available in 1, 2 or 4 universes. These lighting control panels come in a NEMA/Type 1 enclosure and are factory wired in NexLight's UL508A shop, ready to accept DMX control cable (Belden 9841). Networking multiple panels together using the global addressing feature provides seamless control from a single platform allowing for full integration between DMX fixtures and traditional lighting fixtures. The easy-to-use Graphic User Interface (GUI) may be accessed through a Personal Computer (PC) for real-time programming, monitoring and override of your traditional lighting loads or DMX timelines. The scheduling function is also accessed through the GUI and provides the end user with full control of the system whether on-site or from a remote location.

#### APPLICATION HIGHLIGHTS

- Includes a comprehensive set of pre-loaded timelines and schedules
- The power of Pharos Architectural combined with the reliability of NexLight
- Full Integration of DMX Lighting with Traditional Building Lighting
- Fixture brand agnostic programming capabilities
- BACnet connectivity for BMS available by adding NXL-BMS accessory panel
- Graphic User Interface through a PC with a built-in Real Time Clock (RTC) for scheduling