



DMX Series

DMX Control Panel

Overview

The NexLight DMX Series Lighting Control Panel provides control of Digital Multiplex compatible lighting by combining two powerful and reliable control systems, Pharos Architectural and NexLight. The DMX Series is offered in configurations supporting 1, 2, or 4 universes. These lighting control panels come in a NEMA Type 1 enclosure and are factory wired in NexLight's UL508A certified manufacturing facility. Networking multiple panels together provides seamless control from a single platform allowing for full integration between DMX fixtures and traditional lighting fixtures. The on-board Graphic User Interface (GUI) may be accessed with a PC or Mac for real-time programming, monitoring, and manual control of the system. The system's Real Time Clock (RTC) allows for control schedules that are based on either time or astronomical clocks.



Features

- » Comprehensive pre-loaded timelines give users a wide array of options for easy presets
- » Network connectivity integrates DMX compatible lighting with traditional building lighting
- » Brand agnostic compatibility provides flexible programming capabilities
- » Building Management System (BMS) integration via the NXL-BMS panel (sold separately) further consolidates your building controls
- » Browser-based GUI provides system access without any proprietary hardware or software
- » Real Time Clock (RTC) makes time and astronomical schedules possible



Physical Specification

NEMA Type:	Type 1
Mounting:	Surface Mount
Dimensions:	24.00" H x 20.00" W x 6.00" D (610 mm x 508 mm x 152 mm)
Operating Temperature:	32 °F to 122 °F (0 °C to 50 °C)
Weight:	TBD

Electrical (Line Voltage)

Voltage:	120/240/277/480 VAC
Apparent Power:	50 VA

Electrical (Low Voltage)

Factory Wiring:		Field Wiring:	
Voltage:	24 VAC, Class II	Data Input:	±24 VAC, Signal
Power:	30 W Max	Data Output:	±24 VAC, Signal
Data Output:	±24 VAC, Signal	Network:	Ethernet (RJ45)*
Current:	500 mA		*Not compatible with PoE

DMX Output:

DMX512:	(x2) USITT E1.11-2008
RDM:	Local ports or Art-Net
sACN:	USITT E1.31
Art-Net:	Art-Net I, Art-Net II and Art-Net 3
KiNET:	KiNET V1, V2, V3
Pathport:	Pathway Connectivity protocol
EDN:	EDN, natively integrate and output DMX with the EDN
SPI:	EDN+SDI, synchronous and asynchronous serial data output
DALI:	RIO D4, interface limits apply, DALI ballasts do not count towards used channels
Simultaneous:	Multiple protocols can be in operation simultaneously. Limited by patched channels, not universes used
Scalable:	Synchronize up to 40 Pharos Designer Controllers over network

Part Number

Sample Part Number:

NXL-DMX1

Series			Universe Control		
NXL	-	DMX	DMX Series Panel	1	1 Universe
				2	2 Universes
				4	4 Universes



Network Compatibility

Standard Panels

NXL-RXX	R Series Relay Panels
NXL-DXX	D Series Dimming Panels
PA-XXX-X	Custom Panel Assemblies

Accessory Panels

NXL-OPC	Outdoor Photocell Integration Panel
NXL-00P5	Dimming Expansion Panel, (8) Channels of 0-10 VDC Dimming
NXL-AVI	A/V Integration Panel, (8) Dy Contact Inputs
NXL-BMS	BACnet Protocol Conversion Panel for BMS Integration
NXL-AMP	Amplifier Panel, Supports Additional 500mA of System Devices

Preconfigured Timelines

Timelines are preconfigured into the Pharos device. These 52 preconfigured timelines give users turnkey color presets. Additional timelines can be added for a total of 71 providing users with even more flexibility and customization. All NexLight DMX Series panels come preconfigured to control all available timelines within the Pharos device.

Full White	Amber	Valentine's Day	New Year's Eve
White	Gold	St. Patrick's Day	Martin Luther King Jr. Day
Cool White	Light Green	Easter	Rainbow 1
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
Dark Orange	Aqua	Christmas 2	Scene 6
Coral	Purple	Earth Day	Scene 7
Yellow	Lavender	Juneteenth	All Off

Preconfigured Schedules

Schedules are preconfigured into the NexLight DMX Series Panel. These schedules provide users with easy and ready-to-use functionality. If any changes are desired, schedules can be easily enabled or disabled and can be 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
Valentine's Day	Flag Day	Mexican Independence Day	Christmas Day
St. Patrick's Day	Juneteenth	Halloween	New Year's Eve

