

# moda**LIGHT**<sup>®</sup>

## SPECIFICATION

# PHAROS LPC X

The Pharos LPC X (Lighting Playback Controller X) offers an extreme level of power and integration, making it an ideal solution for landmark lighting installations with significant channel counts. It integrates with the full range of Pharos products and offers an optional real-time video input.



### TRIGGERING & INTERGRATION

<b>Startup</b>	Commences programmed playback automatically on receiving power
<b>Clock</b>	Battery-backed real-time clock for calendar and time-based triggers
<b>Astronomical</b>	Sunrise/Sunset/Twilight and Lunar phases
<b>Ethernet</b>	UDP, TCP, Multicast; send/receive any Ethernet message
<b>RS232 Serial</b>	Configurable port; send/receive free syntax in ASCII, HEX or decimal
<b>eDMX</b>	sACN or Art-Net
<b>Inputs</b>	Contact closure, active low, active high or 0-24V analog level via RIOs
<b>MIDI</b>	MIDI Notes, SysEx or Timecode via RIO A
<b>Timecode</b>	Linear Timecode via RIO A (SMPT, Film, EBU, NTSC)
<b>Audio Level</b>	Stereo 30-band spectrum analysis via RIO A
<b>RS485 Serial</b>	Via RIO; configurable port; send/receive free syntax in ASCII, HEX or decimal
<b>DALI</b>	Trigger on any message, via RIO D
<b>Web Interface</b>	Built-in or custom designed
<b>Wall Stations</b>	Integrate with BPS or TPC
<b>Conditions</b>	Full conditional logic support
<b>Scripting</b>	Lua scripting for total flexibility
<b>Scalable</b>	Supports Pharos Remote Devices

Project Name:

Notes:

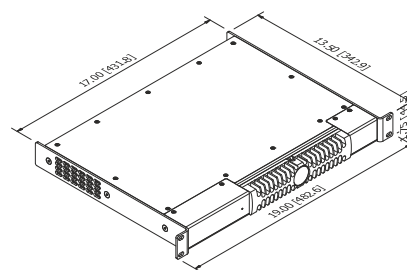
### SUPPORTED FIXTURES

<b>LEDs</b>	LEDs in any colour configuration (RGB, RGBW, 8-bit, 16-bit, tuneable white)
<b>Automated</b>	Moving heads, yokes or scanners
<b>Generic</b>	Downlights, spotlights, uplights, etc. via controllable dimmers, relays or ballasts
<b>Fountain Jets</b>	Fountain jets for fountain animation or other animatronics
<b>Fixture Library</b>	Pharos offers a cloud library with over 13,000 fixture profiles, for easy download of your luminaires

### OUTPUT

<b>sACN</b>	ANSI E1.31 (with per fixture priority) standard
<b>Art-Net</b>	ArtNet, ArtNet II and ArtNet III (configurable broadcast override)
<b>KiNET</b>	KiNET V1 (DMX out) and V2 (Port out); PDS/Data Enabler discovery
<b>Pathport</b>	Pathway Connectivity protocol
<b>DVI-I</b>	DVI-I output for video-mapped fixtures
<b>DMX512</b>	Via any eDMX node
<b>DALI</b>	Via RIO D (supplied separately)
<b>Scalable</b>	Synchronises with up to 40 Pharos Controllers over network
<b>Simultaneous</b>	Multiple protocols can be in operation simultaneously. Limited by patched channels, not universes used

### DIMENSIONS



### STANDARDS & CERTIFICATIONS



5  
YEAR  
WARRANTY

### SPECIFICATIONS

<b>Certifications</b>	CE compliant, ETL/cETL listed
<b>Power</b>	100-240VAC / 50-60HZ / 0.4-0.2A 40W typical (100W maximum) IEC connector with switch UK, EU and US cable supplied
<b>Data Storage</b>	Internal 16GB SSD (supplied)
<b>Temperature</b>	0°C to 50°C (32°F to 122°F)
<b>Physical</b>	19" Rack unit, 1U, 13.5" deep
<b>Weight</b>	3.1 kg (6.8 lbs)
<b>Shipping</b>	57 x 45 x 18 cm (22" x 18" x 7")
<b>Recovery</b>	Hardware watchdog and recessed reset button
<b>Warranty</b>	5 years

### INTERFACES

<b>Ethernet</b>	Neutrik etherCon (RJ45 compatible) for 10/100/1000Base-TX Ethernet with Link/Data LEDs; Fixed IP or DHCP
<b>eDMX</b>	Dedicated Ethernet port for eDMX; Neutrik etherCon (RJ45 compatible) for 10/100/1000Base-TX Ethernet with Link/Data LEDs; Fixed IP or DHCP
<b>Serial</b>	RS232 via DB9 connector
<b>USB</b>	Two USB 2.0 Type A ports
<b>Audio Out</b>	Stereo analog & digital audio ports (for future development)
<b>DVI-D Input</b>	Video input up to 1080p60 (with DVI-D IN option)

### ORDER CODE & VARIANTS

<b>LPC 10</b>	Lighting Playback Controller 10 (5,120 channels eDMX/DVI)
<b>LPC 20</b>	Lighting Playback Controller 20 (10,240 channels eDMX/DVI)
<b>LPC 30</b>	Lighting Playback Controller 30 (15,360 channels eDMX/DVI)
<b>LPC 40</b>	Lighting Playback Controller 40 (20,480 channels eDMX/DVI)
<b>LPC 50</b>	Lighting Playback Controller 50 (25,600 channels eDMX/DVI)
<b>LPC 60</b>	Lighting Playback Controller 60 (30,720 channels eDMX/DVI)
<b>LPC 70</b>	Lighting Playback Controller 70 (35,840 channels eDMX/DVI)
<b>LPC 80</b>	Lighting Playback Controller 80 (40,960 channels eDMX/DVI)
<b>LPC 90</b>	Lighting Playback Controller 90 (46,080 channels eDMX/DVI)
<b>LPC 100</b>	Lighting Playback Controller 100 (51,200 channels eDMX/DVI)
<b>LPC 10 DVI</b>	Lighting Playback Controller 10 DVI-IN (5,120 channels eDMX/DVI, DVI-D IN)
<b>LPC 20 DVI</b>	Lighting Playback Controller 20 DVI-IN (10,240 channels eDMX/DVI, DVI-D IN)
<b>LPC 30 DVI</b>	Lighting Playback Controller 30 DVI-IN (15,360 channels eDMX/DVI, DVI-D IN)
<b>LPC 40 DVI</b>	Lighting Playback Controller 40 DVI-IN (20,480 channels eDMX/DVI, DVI-D IN)
<b>LPC 50 DVI</b>	Lighting Playback Controller 50 DVI-IN (25,600 channels eDMX/DVI, DVI-D IN)
<b>LPC 60 DVI</b>	Lighting Playback Controller 60 DVI-IN (30,720 channels eDMX/DVI, DVI-D IN)
<b>LPC 70 DVI</b>	Lighting Playback Controller 70 DVI-IN (35,840 channels eDMX/DVI, DVI-D IN)
<b>LPC 80 DVI</b>	Lighting Playback Controller 80 DVI-IN (40,960 channels eDMX/DVI, DVI-D IN)
<b>LPC 90 DVI</b>	Lighting Playback Controller 90 DVI-IN (46,080 channels eDMX/DVI, DVI-D IN)
<b>LPC 100 DVI</b>	Lighting Playback Controller 100 DVI-IN (51,200 channels eDMX/DVI, DVI-D IN)