



# DESIGNER



DESIGNER PRODUCT BROCHURE

Holland Casino Venlo | Lighting controlled by Pharos LPC 50





Pharos Designer systems provide dynamic lighting control for everything from a simple indoor lighting installation to the façade lighting of a whole city, including both coloured and white lighting. The easy-to-use and adaptable controls give you the power and flexibility to meet the needs of your project. Below are just some of the key features that make us the control solution of choice for so many lighting professionals.



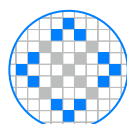
### INTELLIGENT PROGRAMMING

Our intelligent Designer Engine within our LPC family of products gives you complete control of your installation. Based on timelines and scenes, Designer Engine lets you build dynamic, precise, fully customisable pre-programmed lighting displays, all while giving you the freedom of real-time manual overrides.



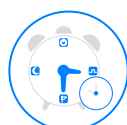
### EXTENSIVE FIXTURE SUPPORT

Our fixture library has everything you could possibly need, with over 20,000 fixtures ready to download directly into our Designer 2 software – including a varied range of types and modes, plus additional fixtures available on request. Use any number of fixture types together, including DALI alongside DMX.



### POWERFUL PIXEL MAPPING

Fine tune down to the pixel with Designer Mapping. Use a group of lighting fixtures as an array of pixels to display media clips or stunning built-in 2D effects. Maps can be quickly auto-generated from fixture layouts, or pixel positions can be manually modified for ultimate control over the result.



### SOPHISTICATED TRIGGERING

Timing is everything. Pharos Designer systems respond to a wide range of stimuli, from real-time events to Ethernet messages. Designer Trigger is a rules engine that uses a powerful conditional logic principle to create exactly the behaviour you want, when you want it.



### REMOTE MANAGEMENT

Manage your installation 24/7, from any device and any location, with comprehensive security and access management. A range of tools gives you the access you need when and where you need it, with extensive customisation options to further tailor your management interface to be as simple or as sophisticated as you please.



### EASY INTEGRATION

Pharos Designer controllers can react to, control or interact with other systems. Use a variety of protocols and commands to easily adapt and integrate your lighting, sound, vision, and effects. Build your own integrations with our comprehensive APIs or choose from our growing library of ready-made IO modules.



### ENDLESS SCALABILITY

The right equipment for every installation, with impressive scalability. Whether it's one controller or many, it's all easily programmed via our Designer 2 software. Multiple Pharos Designer products can be connected via Ethernet to increase the channels controlled, the number of communication ports in your project or to achieve a distributed control solution.



### INTUITIVE SOFTWARE

Designer programming software is easy to use and free – including all future updates. You don't need a dongle, a specialised toolkit or a coding degree. We offer great flexibility with our software solutions, perfectly complementing the whole Designer range of hardware. Simple for beginners, but powerful for advanced users, Pharos software gives you the tools you need for your project.



### EXTREME RELIABILITY

All our controllers are engineered and manufactured in the UK, designed with 24/7 stability and reliability in mind. We are completely confident in our products, and to back this up we offer a 5-year warranty. Our hardware is fully CE and UKCA compliant, and either ETL or UL listed. Once programmed our control system is self-sufficient, so no PC needs to be left on site.

**Versatile control to realise your lighting design** – controllers in the LPC family feature individually controllable and independently running timelines and scenes, letting you build dynamic, precise, fully customisable lighting effects with the freedom of real-time manual overrides, and the versatility of powerful show control and integration features.



### LPC

1/2/4 universes of DMX/eDMX | RS485/RS232, MIDI and 8 inputs | DIN-rail mountable  
Ideal for 'fit and forget' applications – the controller is commissioned once, then can be left to reliably do its job.



### TPC

1 universe of eDMX | Customisable touch interface | Single-cable installation  
Ideal for projects requiring a combination of lighting control and a smart user interface in a compact package. Available in black, white or cream bezels with black, white or cream magnetic overlays.



### TPC + EXT

1 universe of DMX/eDMX, DALI, RS232, 8 inputs | Customisable touch interface  
Combine the TPC with the EXT extension to create a versatile, mains-powered touch panel control solution.



### LPC X

10-100 universes of eDMX | RS232 | SPDIF and stereo audio output | Optional DVI input  
Ideal for large installations requiring unrivalled programming power and flexibility.

**Play videos on a canvas that has lights as pixels** – VLC controllers are cost-effective solutions for huge LED pixel arrays. Play videos with smooth crossfades in different compositions from internal storage and live HD video input. The VLC family comes complete with powerful show control and integration features for ultimate real-time control.



### VLC

50-1500 universes of eDMX | RS232 | SPDIF and stereo audio output | Up to 2 videos or a DVI input concurrently  
Ideal for mapping video to lighting fixtures used as a single large video screen such as a building façade.



### VLC+

50-3000 universes of eDMX | RS232 | SPDIF and stereo audio output | Up to 4 videos or a DVI input concurrently | Rotate, translate and mask content during playback  
Ideal for advanced façade projects, observation wheels and wrap-around applications like stadiums.



# WALL STATIONS

Stylish and versatile user interaction at the touch of a button.



## TPS 5

An elegant, updated interface with a customisable, 5" capacitive touch screen, compatible with any Pharos Designer Controller.



## BPS

A flexible and stylish 8-button station with integrated button LEDs, the BPS is easy to install with its single PoE connection.

# REMOTE DEVICES

Scalable remote input and output solutions for show control and data over an Ethernet network.



## RIO 08 | RIO 44 | RIO 80

The scalable remote input and output solution for show control over an Ethernet network, featuring a multiprotocol serial port with DMX output support plus combinations of digital/analog inputs and relay outputs.



## RIO A

The remote solution for audio and MIDI triggering or timecode injection, the RIO A features 30 band spectrum analysis per audio channel, MIDI in/out, Linear Timecode and MIDI Timecode.



## RIO D

Seamlessly control DALI fixtures alongside DMX by adding a RIO D to your Designer system. Ethernet distributed, it provides a DALI bus to send or receive data where it is needed.



## EDN 10 & 20

Reliable, cost-effective DMX output for large Pharos Designer systems. Each unit has either 10 or 20 fully-isolated and RDM-capable DMX512 outputs.

# ACCESSORIES

A range of options that provide a unified and reliable power and data infrastructure.



## SDI

Accessory to the EDN for converting DMX data to a variety of serial protocols for controlling products such as addressable LED tape.



## POE

Unmanaged switch with four powered ports supporting Type 2 PoE and two additional ports for daisy-chaining.



## RDM

1 + 4 port DMX512 repeater compatible with the Remote Device Management (RDM) standard.

# APPLICATIONS

## BRIDGES & STRUCTURES

Bridge of Peace  
Tbilisi, Georgia

## MUSEUMS & EXHIBITIONS

Wiess Energy Hall,  
Museum of Natural Science  
Houston, USA

## RESIDENTIAL

Private Residence  
UK

## HOSPITALITY

Under Restaurant  
Norway

## FAÇADES

Rockheim National Museum of Music  
Norway

## CITYSCAPES

Guangzhou Pearl River  
China

## HEALTHCARE & SCIENTIFIC

UCH Education Centre Medical School  
London, UK

## VENUES

Caesars Forum  
Las Vegas, USA

## LANDSCAPES

Street Lighting  
Mount Barker, Australia

## STADIUMS & SPORTS

BC Place  
Vancouver, Canada

## THEMED ATTRACTIONS

Warner Brothers  
Abu Dhabi, UAE

## RETAIL

SNOG Store  
London, UK

# EXPERT

Benefit from Pharos expertise in dynamic architectural lighting with **Pharos Expert**, an all-new, practical and straightforward control solution centred around a single, reliable, set-and-forget controller with simple configuration and guided programming. Expert makes light of it.

# DESIGNER

**Pharos Designer** is a feature-rich range of scalable and highly versatile lighting controllers with powerful programming tools and comprehensive show control capabilities that provide the ultimate flexibility in dynamic lighting control.

# CLOUD

Save valuable time and the financial and environmental costs of site visits with **Pharos Cloud**, a simple and secure remote lighting control and management solution for your lighting installations. Access from any Internet-connected device, anytime, anywhere in the world.



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**Pharos Architectural Controls** is an award-winning and independently owned British manufacturer of dynamic lighting control solutions for architecture, themed entertainment, and other specialist industries. Our hardware and software solutions are designed and built in-house, backed by a 5-year warranty, and supported by an experienced technical team. With 20 years of experience, Pharos products are trusted to run day and night, illuminating iconic installations around the world - from international landmarks and historic architecture to theme parks, airports, stadiums, bridges, shopping malls, art installations, and more.



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