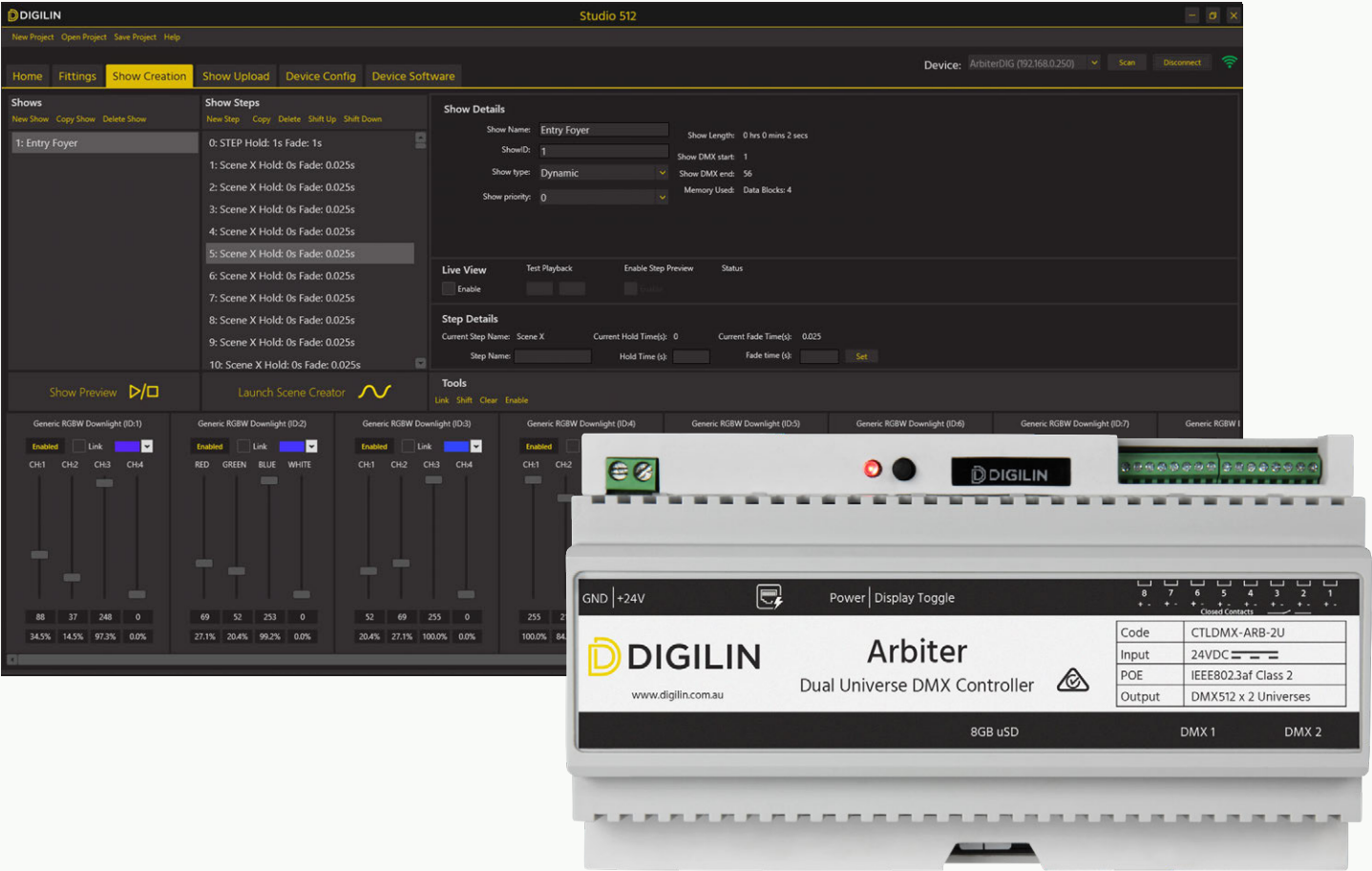


Arbiter + Studio 512

Product Guide



Designed and
Manufactured in
Australia



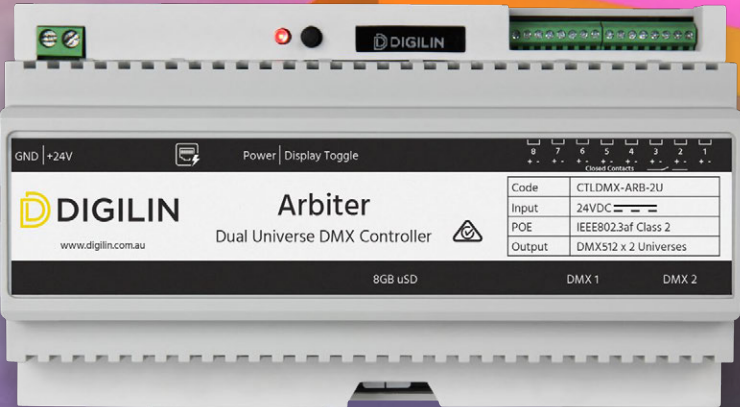
GUARDIAN
On Site Warranty

5 Years
Parts & Labour
Real Support
Real Confidence

Arbiter + Studio 512

Sophisticated, versatile & simple.

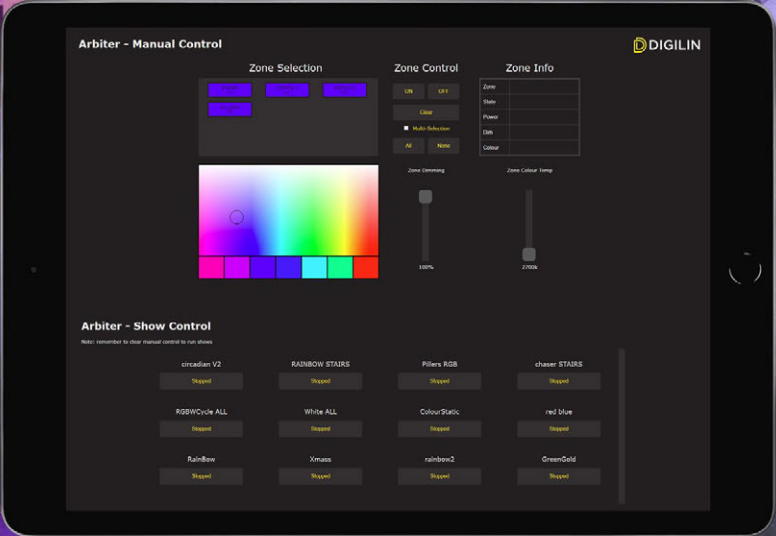
The heart of your DMX lighting installation.



Arbiter Device



Studio 512 DMX Show Creator



User Interface

MADE IN AUSTRALIA

Arbiter

Sophisticated, versatile Ethernet-based DMX controller with web interfaces, designed to run shows created with *Studio 512*, Digilin’s show creation and configuration software

Combining unparalleled performance, sophistication and versatility into an intuitive, easy-to-use platform, Arbiter represents the pinnacle of DMX control technology for small to medium size installations.

Arbiter features two DMX universe outputs and stores approximately 255 shows created with Studio 512, Digilin’s show creation and device configuration software. Commands to play these shows are delivered by the manual interface, closed contact triggers, time scheduling and primary BMS systems outputs.

The device is configured via the administrator interface, in which users can group fixtures, schedule shows, program closed contact trigger commands, change device settings and monitor statuses, amongst other functions. The administrator interface is also accessible on Studio 512 on the ‘Device Config’ page. The user interface provides in-the-moment manual control, enabling users to play pre-programmed shows, turn fixture groups on/off or dim and set colour outputs. Each interface is independently password protected.

Arbiter features eight closed contact triggers, empowering users to synchronize lighting effects with external events effortlessly; for example, by employing PIR sensors to trigger dynamic colour-change fades.

Arbiter operates on Power over Ethernet (PoE) technology, streamlining setup and reducing clutter in your installation. The device’s intuitive display screen provides at-a-glance monitoring of device status and settings, even in low-light environments.

Whether you’re designing dynamic colour-change shows for your building facade, managing public art installations, a community and events centre, or an interactive museum exhibit, Arbiter and Studio 512 offer unparalleled flexibility and accommodate even the most complex lighting configurations with ease.

Elevate your lighting experience to new heights with Arbiter & Studio512 - where performance,sophistication and versatility are combined to make managing your DMX lighting installation simple and easy.



Studio 512 - DMX show creator

Arbiter - dual universe DMX controller

System Overview

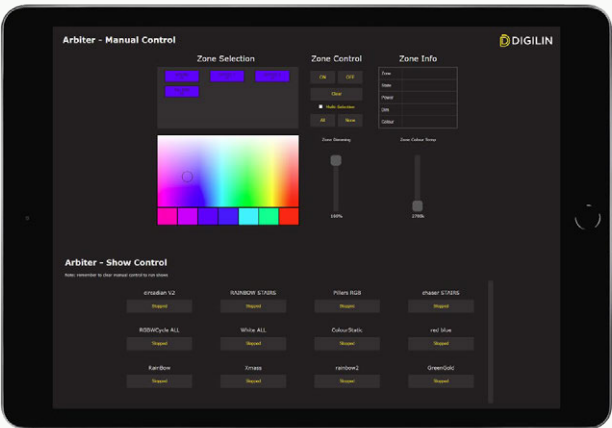
- Arbiter - control device
- Web interfaces - separate user & adminstration pages
- Studio 512 - Digilin’s DMX show creation and device configuration software

Capacity

- Controls up to 2 DMX universes - 1024 channels
- 255 shows stored on uSD HC 8GB card
- Simultaneously runs shows up to 20 x 256 channels, or 5 x 1024 channels
- Controls up to 40 fixture groups

Show Triggering

- User interface - manual control or commands to start pre-programmed shows
- Isolated closed contact triggers
- Time scheduling
- Commands from primary BMS



User Interface

Features

- 3 show types - Static, Dynamic and Transparent
- 8 isolated closed contact triggers for connection to PIR sensors, bell-switches etc.
- Display screen for status and error messaging
- Ethernet portal with POE or 24V DC input
- 8Gb SD onboard storage with configurable transferable by switching out cards
- Manual reset button
- Din mount
- Time scheduling and tracking through SNTP (capable of second to yearly control)
- Automatically determines sunrise and sunset by longitude and latitude coordinates

Manual Reset Function

The mode button manual reset enables non-technical users to easily reset the device to factory settings. This will reset the device's password, name, time, and IP address amongst other functions.

Display Screen & Mode Button

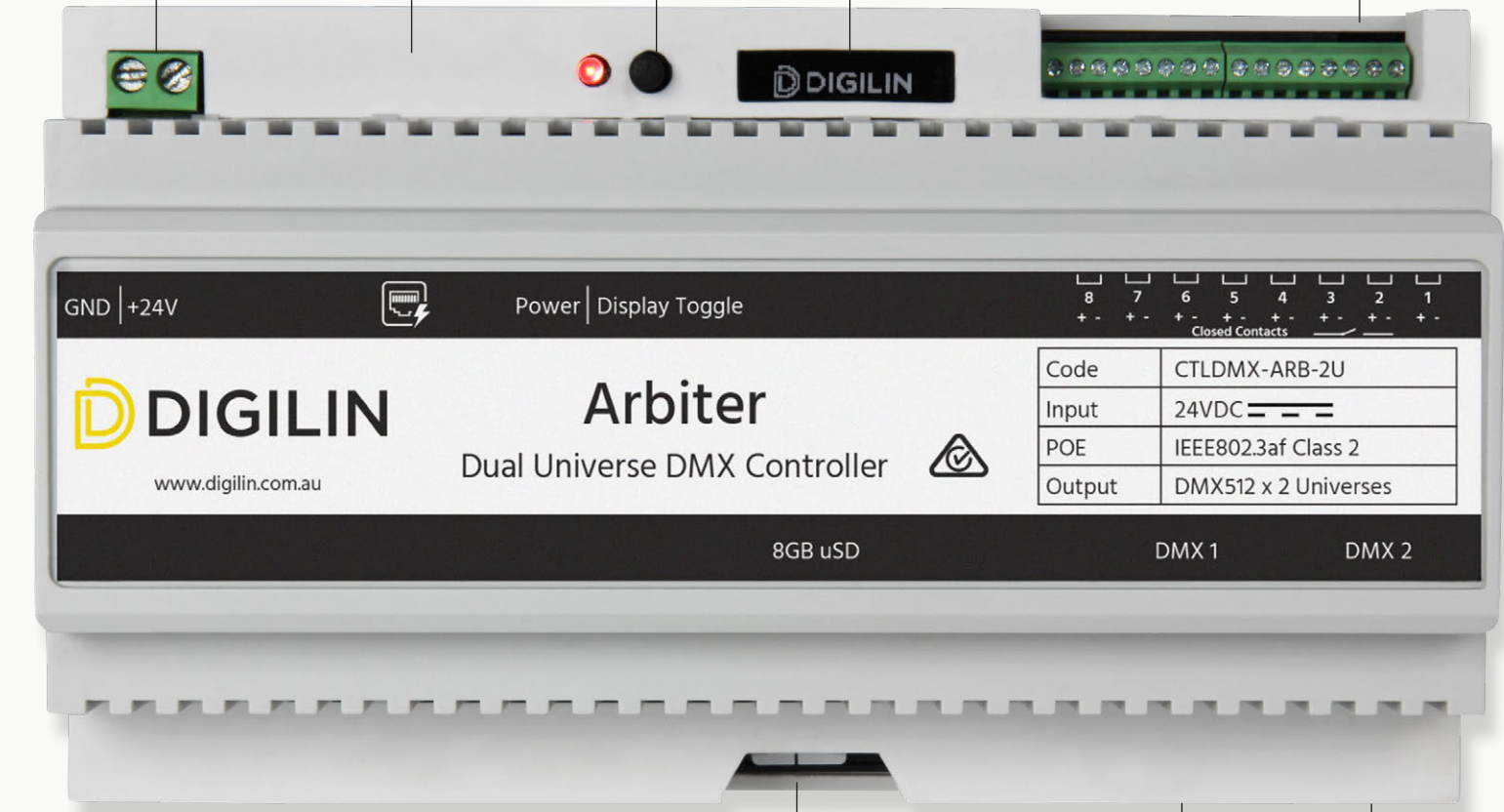
Allows for at-a-glance monitoring of device status, even in low-light. Cycles through other settings such as device time, network, closed contacts and device load using the mode button.

Powered by POE or 24V DC

Arbiter can be powered by POE IEEE802.3af Class 1, or via 24V DC screw terminal inputs, providing versatility in how you decide to set up your installation.

8 Closed Contact Triggers

2 different commands to start and stop any of the devices 255 shows can be sent by each of the 8 isolated closed contact triggers, which could include PIR sensors and bell switches.



uSD HC 8GB Memory Card

The device's micro SD card can store up to approximately 255 shows. Device settings can be switched out or reconfigured by changing the SD card.

Dual DMX Outputs

Arbiter can control two DMX universes, enabling shows spanning 1024 channels. It can run 4 x 1024 channel shows or 20 x 256 channel shows at the same time.



Urban Spaces and Public Parks

Example functions

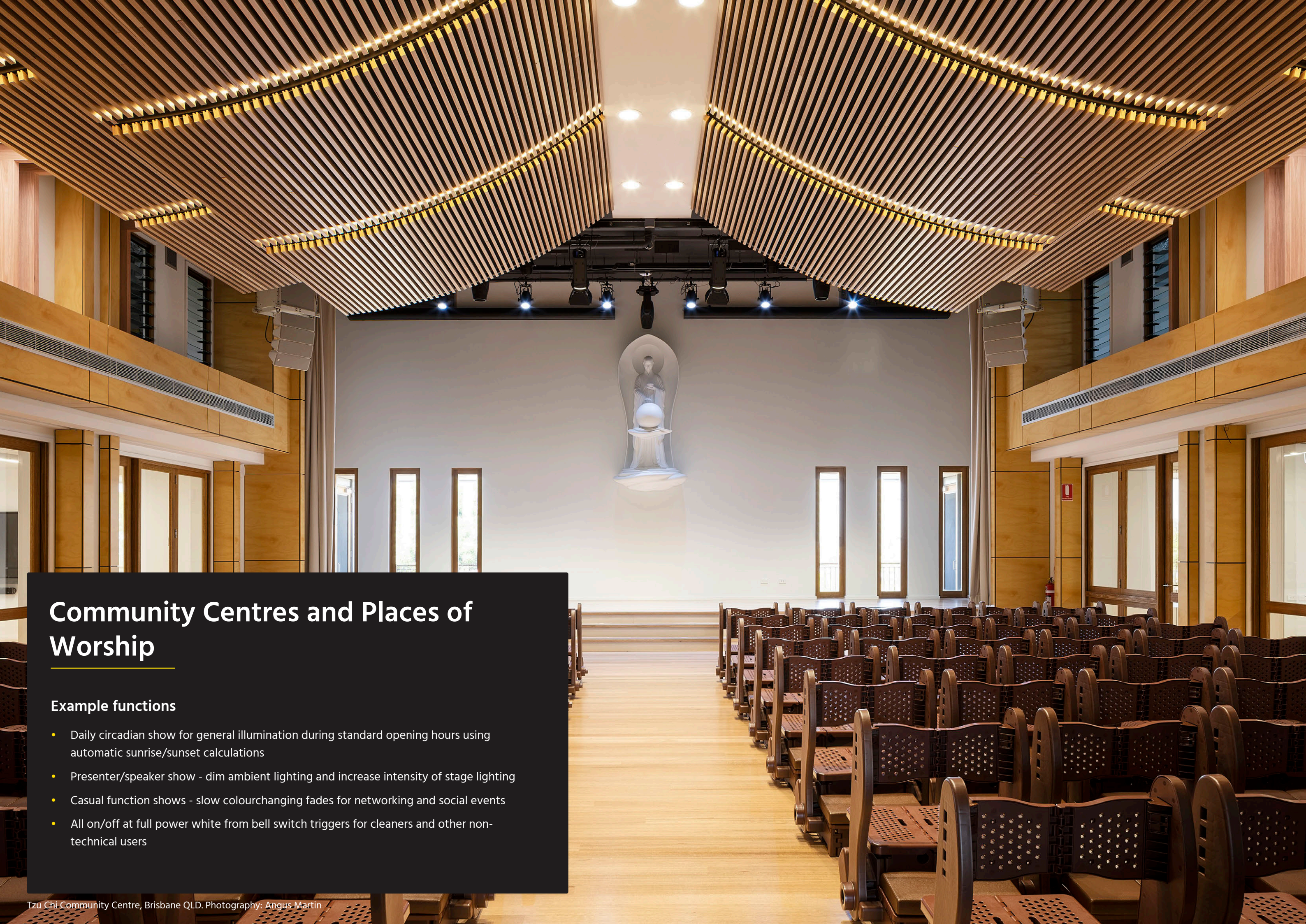
- Automatic daily sunset to sunrise operation of public lighting
- Slow colourchanging fades of decorative elements
- PIR sensor triggering of dynamic sequences
- Scheduling of fixed colour shows to commemorate cultural dates and events - e.g. purple for International Women's Day, green for St Patrick's day etc.



Facades, Bridges and Structures

Example functions

- Automatic daily sunset to sunrise operation of facade shows
- Scheduling of fixed colour shows to commemorate cultural dates and events - e.g. purple for International Women's Day, green for St Patrick's day etc.
- Slow changing colour fades of decorative elements



Community Centres and Places of Worship

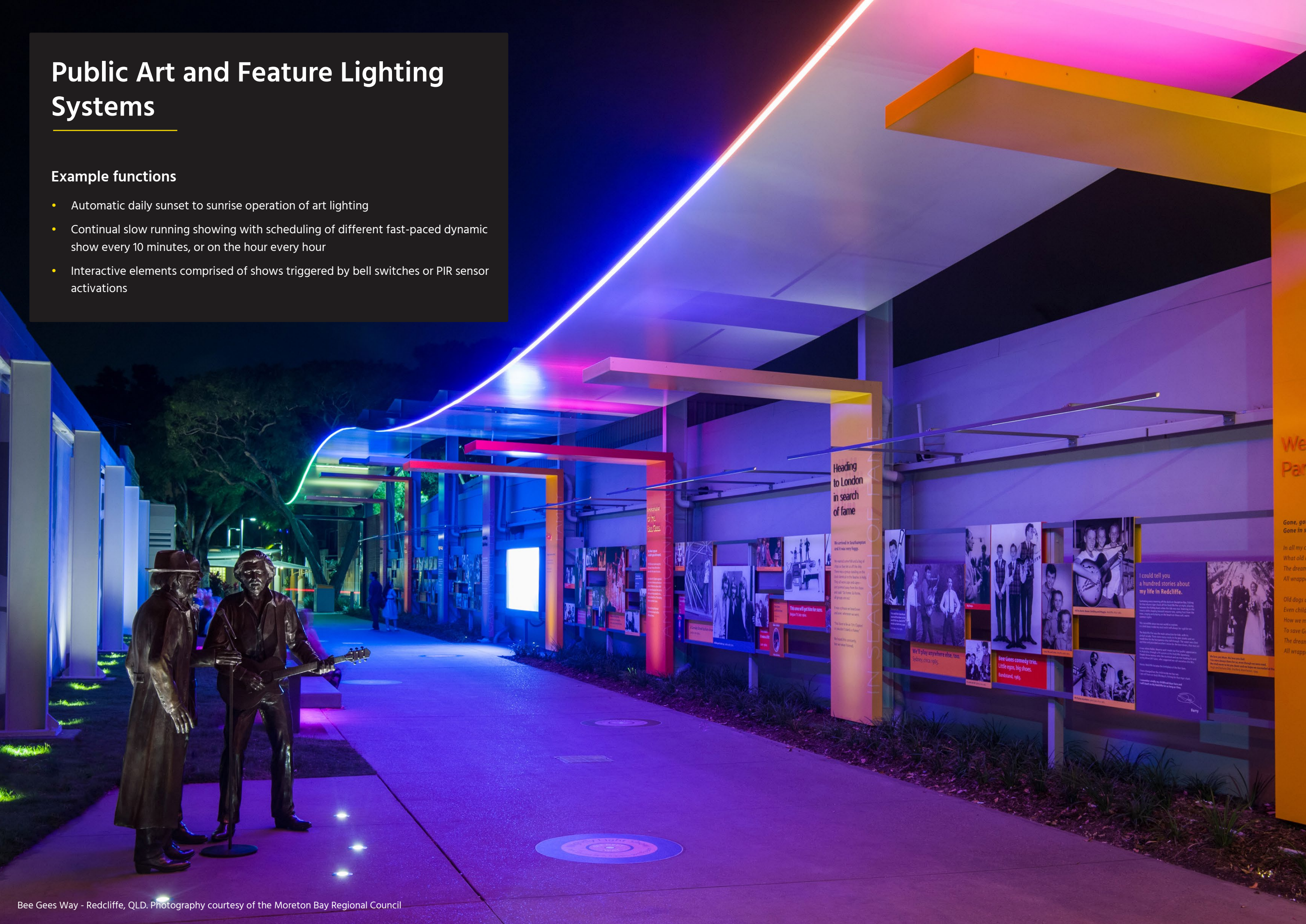
Example functions

- Daily circadian show for general illumination during standard opening hours using automatic sunrise/sunset calculations
- Presenter/speaker show - dim ambient lighting and increase intensity of stage lighting
- Casual function shows - slow colourchanging fades for networking and social events
- All on/off at full power white from bell switch triggers for cleaners and other non-technical users

Public Art and Feature Lighting Systems

Example functions

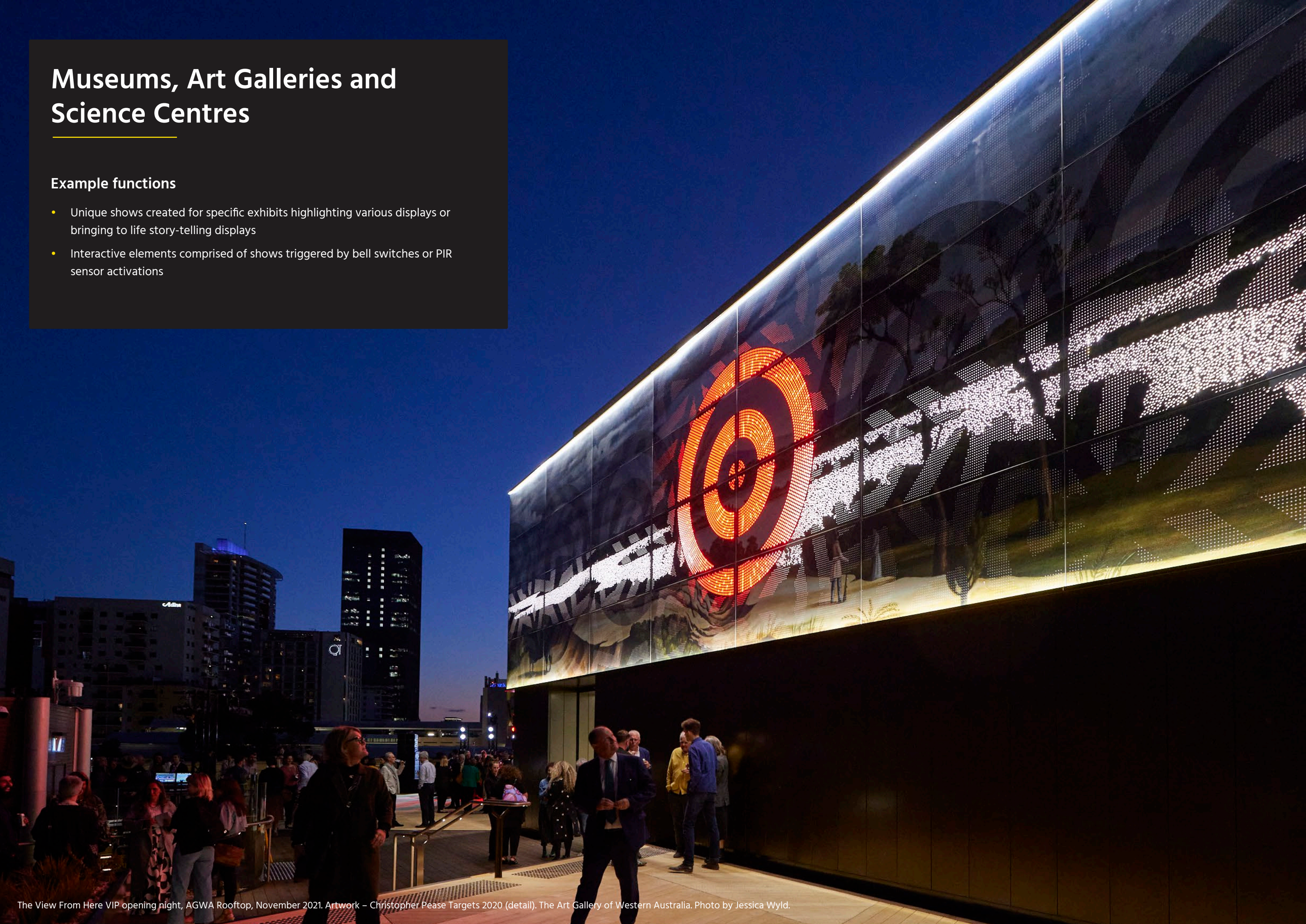
- Automatic daily sunset to sunrise operation of art lighting
- Continual slow running showing with scheduling of different fast-paced dynamic show every 10 minutes, or on the hour every hour
- Interactive elements comprised of shows triggered by bell switches or PIR sensor activations

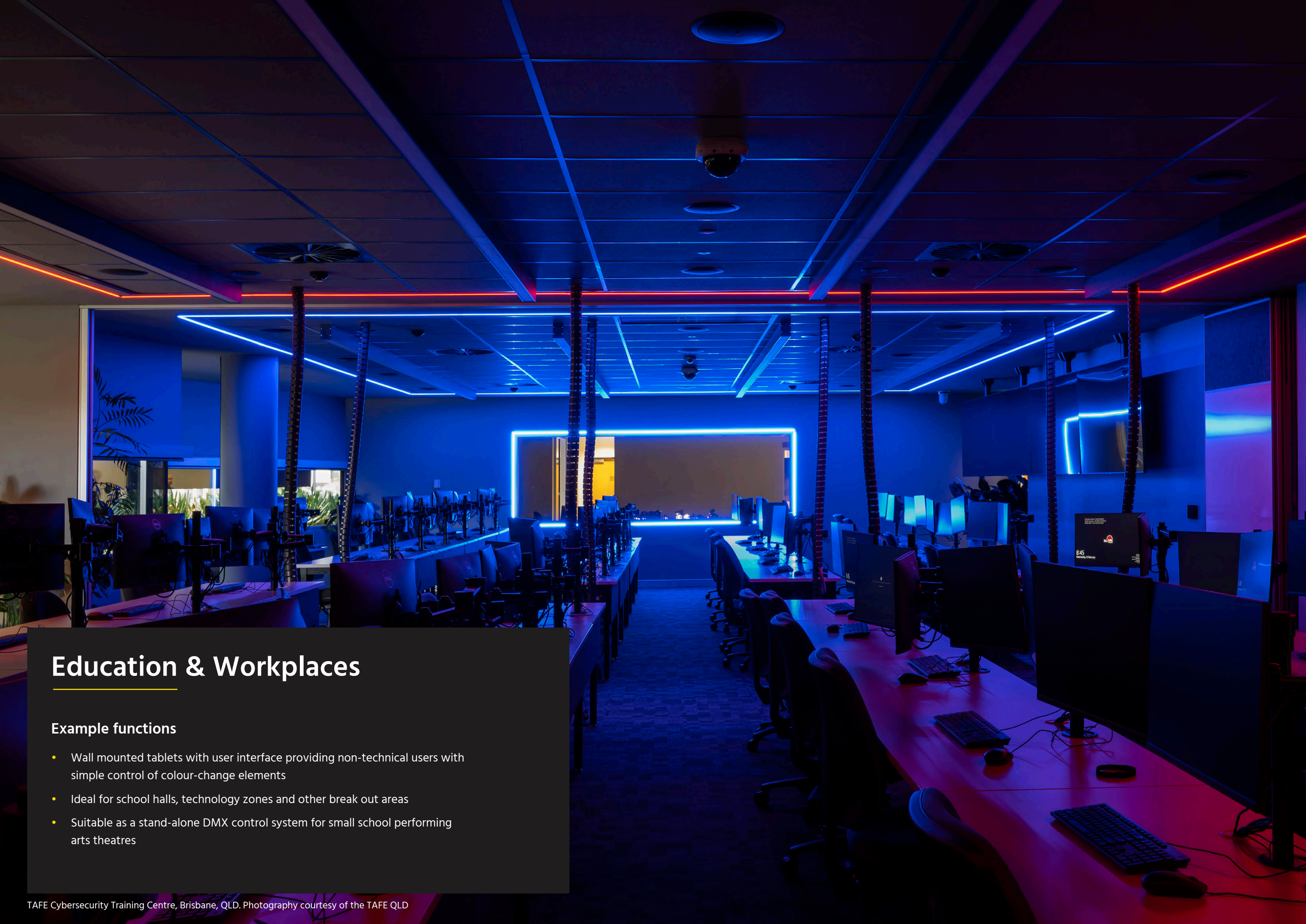


Museums, Art Galleries and Science Centres

Example functions

- Unique shows created for specific exhibits highlighting various displays or bringing to life story-telling displays
- Interactive elements comprised of shows triggered by bell switches or PIR sensor activations





Education & Workplaces

Example functions

- Wall mounted tablets with user interface providing non-technical users with simple control of colour-change elements
- Ideal for school halls, technology zones and other break out areas
- Suitable as a stand-alone DMX control system for small school performing arts theatres



Albury Riverside Precinct, Photography: Simon Wood

DIGILIN

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