

Product Catalogue 2023



CITY

THEATRICAL

NEW YORK • LONDON

What's New?

Welcome to City Theatrical's Product Catalogue!

We specialise in unique lighting accessories that make entertainment lighting projects and architectural installations easier and more creative. We provide a range of products, tools, software, and services that can't be found anywhere else. Our motto is: "Invent, Manufacture, and Customise". We do that every day in our beautiful manufacturing facility in Carlstadt, New Jersey, USA.

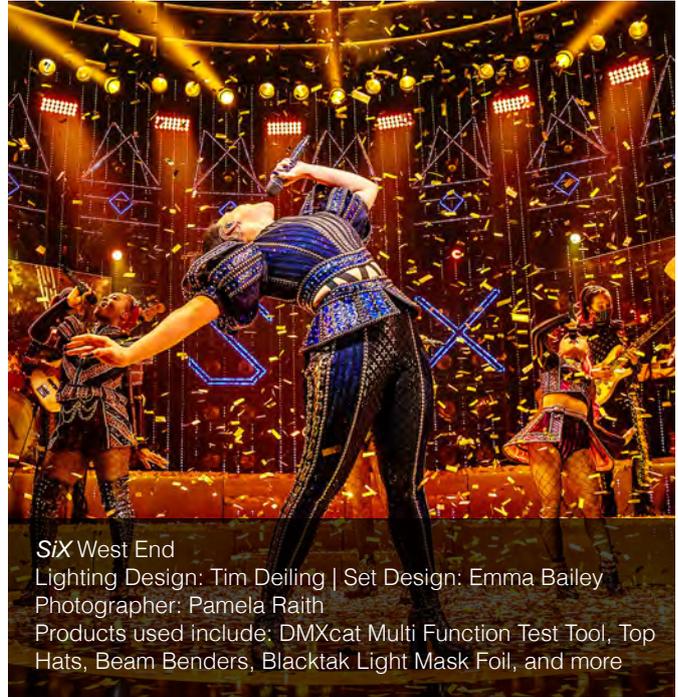
Our vision of the new lighting world is that every DMX device will contain a tiny, inexpensive, Multiverse® Module, and where legacy lighting products have a Multiverse Receiver near them, allowing entire productions of hundreds of fixtures and dozens of universes to be operated using a reliable wireless DMX system. Our revolutionary Multiverse wireless DMX/RDM family provides lighting users with a new range of options for performing lighting tasks more easily than ever, while producing less disruptive radio energy.

QolorFLEX® is the single source for high quality, durable LED products that work together seamlessly, encompassing a vast collection of professional-grade LED tape products, dimmers, and accessories. All QolorFLEX products, including QolorFLEX HiQ High CRI and 5-in-1 LED Tapes, QolorPIX® Pixel Controlled LED Tape and Tape Controller, and QolorFLEX NuNeon®, are easy to work with, vibrant, and consistently colour matched to meet the needs of lighting and scenic professionals working in theatrical, film and video, and architectural applications.

DMXcat® Multi Function Test Tool that makes it easy for anyone to control, analyze, or test any DMX lighting fixture, whether it's a simple LED PAR or a complex moving light. The multi award-winning DMXcat system consists of a small hardware dongle and a suite of mobile applications. Together, they bring wireless DMX and RDM control plus other useful functions to the user's smartphone.

For more information on our products, including detailed specifications, user manuals, videos, white papers, and case studies, please visit our website: www.citytheatrical.com

Follow our social media pages for more information on a wide variety of lighting topics.



SIX West End
Lighting Design: Tim Deiling | Set Design: Emma Bailey
Photographer: Pamela Raith
Products used include: DMXcat Multi Function Test Tool, Top Hats, Beam Benders, Blacktak Light Mask Foil, and more

Thanks

City Theatrical would like to thank the following designers and inventors for allowing us to manufacture or distribute products from their ideas. We salute them for their creativity.

| | |
|--|---|
| Jules Fisher | Beam Bender™ |
| Jules Fisher, Peggy Eisenhauer, & Vivien Leone | Moving Light Accessories |
| Chris Lewton & Allen Lee Hughes | Drop-In Boomerang |
| LeMark | Blacktak™ Light Mask Foil |
| Terry Richardson | Follow Spot Handle |
| Future Light Inc. | C-Clip Truss Protector™ |
| Lori Friedlander | Image Multiplexer™ |
| Mike Baldassari | Stackers™ |
| Noele Stollmack | for many good ideas |
| Kenneth Posner | Follow Spot Yoke and RGB Indigo LED tape |
| Martin Chisnall | for many good ideas |
| Alan Crawshaw | for hanging hardware and for many good ideas |
| Philip Nye | for many projects and good ideas |
| Andrew Voller | Moving Light Assistant™ |
| Bryn Williams | QolorPIX® |



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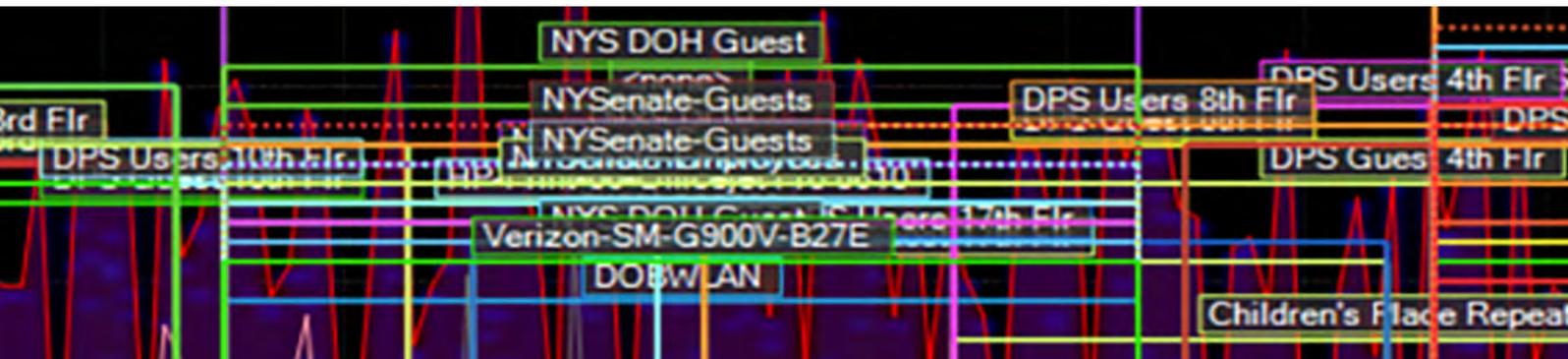
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Wireless DMX: Yesterday's Challenges



Wireless DMX has played an important part in the lighting world since the early 2000s. Many shows have used it on some scale because it has allowed lighting to be accomplished without running data cables. That can save time and money, and in some cases, such as for moving scenery, makes it possible to accomplish lighting effects that would have been impossible otherwise.

Simply stated, wireless DMX is a way of getting DMX data from “point A to point B” without using a cable.

Why couldn't all DMX data be sent wirelessly in the past?

In some cases, such as small shows or limited uses, it can. The challenges begin as we attempt to **scale up** to larger and larger systems.

Each present day wireless DMX transmitter typically carries one “universe” of DMX data (512 DMX channels, or slots), which can operate 512 very simple lighting devices (this is rare) or a smaller number of more complicated devices which require a larger number of DMX slots to operate. Each wireless DMX transmitter produces radio energy that fills the 2.4GHz spectrum of the venue, competing for space in that crowded radio band with other devices.

Each additional wireless DMX transmitter that is added creates more radio energy, until the spectrum is overwhelmed with radio energy, radio fidelity suffers, and the system collapses like a house of cards.

Lighting fades may appear steppy, or even stop completely, and other 2.4GHz devices in the venue are negatively affected. This has prevented larger systems from being used wirelessly, and has stifled the growth and use of wireless DMX.

To mitigate these interference problems, adaptive frequency hopping was an early strategy among wireless DMX manufacturers to direct their signals to slivers of open unobstructed spectrum in the 2.4GHz band.

Unfortunately, **in a crowded radio spectrum**, there are no open spaces so the adaptive hoppers end up hopping on top of other radio signals. Adaptive hoppers are not a viable solution for scaling up to higher universe counts in a crowded spectrum.

Two other factors have slowed or prevented the growth of wireless DMX.

The first is **cost**. Each wireless DMX transceiver (a device that can be made to either be a transmitter or a receiver) can be expensive, and many productions require multiple transceivers. In large systems, that cost can add up and it has been a limiting factor to the growth of wireless DMX.

The other factor is **trust**. Many users have felt that since the radio spectrum can't be seen (without specialised analysis tools beyond the reach of most everyday users) it might not be safe to trust their show to a wireless system, and that running data wires would be a safer option.

So what is different now?

Wireless DMX: Today's Solution



Expanding the World of Wireless DMX

After 20 years of pioneering wireless DMX and RDM for entertainment and architectural lighting, City Theatrical has developed its revolutionary **Multiverse® wireless DMX/RDM** system broadcasting as many as 10 universes of DMX/RDM data from a single transmitter, with the ability to use less radio energy than present-day single universe systems.

Multiverse marks our fifth generation of engineering development.

All previous wireless DMX control systems have suffered from a basic limitation: they are only able to transmit and receive a few universes of DMX data before their radio energy overpowers the spectrum and prevents their signals, and the signals of other devices in the venue, from accomplishing their mission. With this constraint, large scale multiple universe wireless systems simply have not been possible to achieve. In addition, the broadcast spectrum in which DMX systems operate has become overcrowded with other radio signals causing additional interference issues.

Faced with these challenges, we began to plan a new system of wireless lighting control that could be scaled up to unprecedented levels without overpowering the spectrum. Our mission therefore was to be able to deliver more data using less radio energy.

Solution: Multiverse Module

We achieved our goal with the creation of our Multiverse Module. Every product in the Multiverse wireless DMX system is built around these tiny circuit board mounted devices, as an embodiment of this breakthrough technology.



Key Features and Benefits

Flexibility & Scalability

Multiverse components can be set up as single or multiple universe configurations. Using our plug and play wireless Multiverse SHoW Baby or Multiverse Nodes, single universe systems can be created quickly and easily. Using a single Multiverse Transmitter, you can create a system of up to 10 universes.

Ease of Use

Components are easily set up and users can configure their system and then control its fixtures using Streaming ACN or Art-Net, or convenient smartphone based interfaces such as our DMXcat Bluetooth app or other Wi-Fi controllers, like Luminair.

Two 2.4GHz Radio Operation

2.4GHz operation is usable worldwide, and for the first time, Multiverse users can broadcast as many of 10 universes of wireless DMX/RDM on two radios in the 2.4GHz band at the same time.

PoE (Power over Ethernet)

Power the Multiverse Transmitter and receive sACN at the same time, without a power cord or external DC adaptor.

Backwards Compatibility

Multiverse products can be used seamlessly with highly popular City Theatrical legacy wireless DMX products, including SHoW DMX SHoW Baby®, SHoW DMX Neo®, and SHoW DMX Vero® and SHoW DMX Vero Net®.

RadioScan® Spectrum Analyser

RadioScan can help improve all Multiverse broadcasts by helping the user select the optimum area in the spectrum to place their broadcast. RadioScan coordinates with Multiverse to help select optimum SHoW IDs.

More Data Using Less Radio Energy

+44 (0)20 8949 5051

Benefits of Multiverse Wireless DMX/RDM

Multiverse's patent-pending wireless DMX/RDM technology enables scalability of wireless lighting data like never before. It allows larger and larger systems to be scaled up without producing harmful amounts of radio energy that could disrupt other wireless systems in the venue, as well as innovative features which include simultaneous two-radio operation, mDMX, mRDM, SHoW Key security, lock PIN, smartphone control, forward error correction, RadioScan, RDM integration, and low cost.



More DMX Data, Less Radio Energy

Multiverse wireless DMX/RDM Transmitters can broadcast up to 10 universes of DMX data while using less radio energy than other single universe wireless DMX transmitters.



Simultaneous Two Radio Operation

Two radios broadcasting simultaneously in the 2.4GHz band can broadcast as many of 10 universes of wireless DMX/RDM at the same time.



mRDM

Multiverse is able to broadcast RDM information without disrupting the DMX broadcast, a feature unique to Multiverse.



RadioScan

The RadioScan® Spectrum Analyzer works with Multiverse and guides the user to the best area or the spectrum to place their broadcast.



Smartphone Control

Multiverse Transmitter allows smartphone control of Multiverse equipped lighting fixtures by use of our free DMXcat app.



SHoW Key Security

SHoW Key is an additional three-digit code that can be added to the Multiverse SHoW ID to prevent any other system on the same SHoW ID from interfering with your system.



mDMX

mDMX is a form of DMX optimized for wireless broadcast that dramatically reduces data being broadcast, thereby reducing unneeded radio energy.



RDM Integration

When Multiverse radios are implemented by a manufacturer of a lighting fixture, they become an integrated part of that device.



Lock PIN

When using a smartphone with the DMXcat® app, a four-digit PIN can be applied to the Multiverse Transmitter for authorized users.



Forward Error Correction

Allows the Receiver to detect and correct errors that may occur in the wireless transmission of data.



Low Cost Technology

Multiverse Modules are the lowest cost full featured DMX/RDM product ever, making them ideal for lighting manufacturers.

Antenna Adapter Selection Matrix

Antennas and Accessories to use with City Theatrical Wireless DMX Products on the 2.4GHz band.

| PIN: | Standard Antennas: | | | | Long Range Antennas: | | Accessories: | Legacy Antennas: | |
|---------------|----------------------------|-------------------------|-------------------------|----------------------------------|----------------------|---------------|---|-------------------------------|--------------------------------|
| | 5729 | 5980 | 5983 | 5984 | 5981 | 5982 | 5637 | 5731 | 5732 |
| Gain (dBi): | 2dBi | 2dBi/4dBi | 2.5dBi/2.5dBi | 1.8dBi/3.8dBi | 6.8dBi/8.5dBi | 11dBi | Antenna Splitter, 3 N-Connectors (Female) | 4dBi | 4.5dBi |
| Frequency: | 2.4GHz | 900MHz/2.4GHz | 900MHz/2.4GHz | 900MHz/2.4GHz | 900MHz/2.4GHz | 900MHz/2.4GHz | | 2.4GHz | 2.4GHz |
| Product Name: | Antenna, Indoor Omni, 2.3" | Antenna, Omni Broadband | Antenna, Omni Broadband | Antenna, Omni Broadband "Stubby" | Antenna, Panel | Antenna, Yagi | | Antenna, Indoor Omni (Legacy) | Antenna, Outdoor Omni (Legacy) |

Multiverse Wireless DMX/RDM Products on the 2.4GHz band:

| | | | | | | | | |
|--|------------------------------|------------------------------|---|------------------------------|---|---|--|--|
| 5900 Multiverse® SHoW Baby | Standard; no adapter needed. | | | | | | | |
| 5903 Multiverse Node 2.4GHz | | | | | | Requires 5638 Adapter Cable RSMA-Male to N-Male | Requires two 5641 Adaptor Cables, N-Male to N-Male, and one 5638 Adapter Cable RSMA-Male to N-Male | |
| 5911 Multiverse Transmitter 2.4GHz | | Standard; no adapter needed. | | | | | | |
| 5905 Multiverse Studio Receiver 2.4GHz | | | | Standard; no adapter needed. | | | | |
| 5906 Multiverse Receiver Card 2.4GHz w/ Internal Antenna | Requires the 103-00730 Cable | | Requires the 103-00730 Cable and 5638 Adapter Cable | Requires the 103-00730 Cable | Requires the 103-00730 Cable and 5638 Adapter Cable | | Requires the 103-00730 Cable, 5638 Adapter Cable, and 5641 Antenna Adapter Cable | |
| 7400-5903 Multiverse Vero Transceiver 2.4GHz | | | Standard; no adapter needed. | | | Requires 5641 Adaptor Cable N-Male to N-Male | Requires three 5641 Adaptor Cables, N-Male to N-Male | |

Legacy Wireless DMX Products:

| | | | | | | | | |
|---|------------------------------|--|--|--|--|---|--|------------------------------|
| 5702M SHoW DMX SHoW Baby® 6 (Legacy) | Standard; no adapter needed. | | | | | | | |
| 5701 SHoW DMX Neo® Transmitter (Legacy) | | | | | | Requires 5638 Adapter Cable RSMA-Male to N-Male | Requires two 5641 Adaptor Cables, N-Male to N-Male, and one 5638 Adapter Cable RSMA-Male to N-Male | |
| 5711 SHoW DMX Neo Receiver (Legacy) | | | | | | | | Standard; no adapter needed. |
| 7400-5707 SHoW DMX Vero® (Legacy) | | | | | | | | |
| 7400-5708 SHoW DMX Vero Net (Legacy) | | | | | | Requires 5641 Adaptor Cable N-Male to N-Male | Requires three 5641 Adaptor Cables N-Male to N-Male | Standard; no adapter needed. |

Instructions:

1. Select a device from the left column.
2. The row for that device will indicate which adapters are necessary to use each antenna/adaptor listed in the top row.
3. If the cell is gray, that antenna will not work with your selected device.

Reference:



Multiverse Module

| P/N | Frequency |
|------|-----------|
| 5994 | 2.4GHz |
| 5995 | 2.4GHz |

For OEM Partners

Multiverse® Modules are best suited for lighting equipment manufacturers who are interested in adding wireless DMX to their products.

Due to low cost, increased data transport, and ease of design integration, Multiverse Module marks the first time the implementation of a wireless DMX chip in every DMX device is possible. The Multiverse Module is available in two types for the 2.4GHz band for use worldwide, either including a PCB trace antenna or not. All versions have a U.FL connector to connect to an external antenna.

Multiverse Modules are available on reels for surface mounting. The OEM Implementation Kit includes a detailed guide, equipment, test gear and more. Contact City Theatrical for more information.



Shown at actual size.

Multiverse Receiver Card

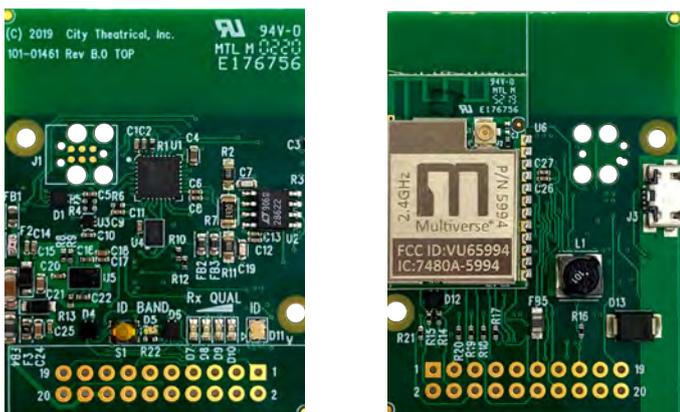
| P/N | Frequency |
|------|-----------|
| 5906 | 2.4GHz |

Implement Wireless DMX/RDM Into Lighting Equipment In A Simple Way

Key Features

- Supports ANSI E1.11 DMX512-A and E1.20 RDM
- DMX RS-485 driver on board with ±60V protection
- Signal Quality LEDs on board and external connections
- SHoW ID RGB LED on board and external connections
- Multiverse Band LED on board and external connections
- Wide input voltage range, 5V to 30Vdc
- Footprint 50mm (2") x 38mm (1.5")
- +3.3Vdc output to power low current hosts
- Configurable over USB micro B connector
- Firmware updatable over USB micro B connector
- Advanced Mode features:
 - 0-10V output
 - Four PWM control outputs

Shown at actual size.



Multiverse Receiver Cards are products that any lighting user, including manufacturers with low volume products, can use to implement wireless DMX/RDM into entertainment projects or equipment, including props, costumes, or lighting fixtures, in a simple way.

Multiverse Receiver Cards are full Multiverse wireless DMX/RDM receivers without the housing, XLR connectors, and user interface as used in wireless DMX receiving products like the Multiverse Node and Multiverse SHoW Baby. Multiverse Receiver Cards include an internal antenna and a connection to an optional external antenna. Configuration for Multiverse Receiver Cards is done via RDM with the DMXcat app, or with City Theatrical's USB Configuration Program for PC/Mac. In addition to receiving wireless DMX and outputting wired DMX, the Multiverse Receiver Card can output 0-10V, and has four PWM control outputs.



Multiverse SHoW Baby

| P/N | Frequency |
|------|-----------|
| 5900 | 2.4GHz |



Right out of the box, Multiverse® SHoW Baby® is compatible with all SHoW Babys ever made.

With tens of thousands of units sold since their introduction in 2011, SHoW Baby plug and play transceivers set the standard for ease of use and reliability at an affordable price point. The addition of Multiverse radio technology enhances their performance even more.

City Theatrical's Multiverse SHoW Baby is a wireless DMX transceiver that delivers breakthrough plug and play wireless DMX and RDM transmission. In its default mode, it works like all other SHoW Baby Transceivers with six user selectable SHoW IDs. By connecting an RDM controller, like DMXcat® Multi Function Test Tool, all of the revolutionary 2.4GHz Multiverse SHoW IDs are accessible. Users can add to their existing SHoW Baby systems, build new single universe Multiverse systems, or use Multiverse SHoW Baby as a receiver on multiple universe systems with a Multiverse Transmitter.

The Fourth Generation of the Original Plug and Play Wireless DMX Transceiver System

Key Features

- Built-in 2.4GHz Multiverse radio (for worldwide use)
- All SHoW DMX Neo and 2.4 GHz Multiverse SHoW IDs are available through RDM
- In Multiverse mode, compatible with all Multiverse products. In SHoW DMX Neo mode, compatible with all SHoW DMX Neo legacy products.
- Plug and Play selection of Transmitter or Receiver function
- 5 Pin XLR DMX input and output
- 7.5 to 30VDC power input
- Molded plastic enclosure



Transmitter set to SHoW ID 117



Receiver set to same SHoW ID

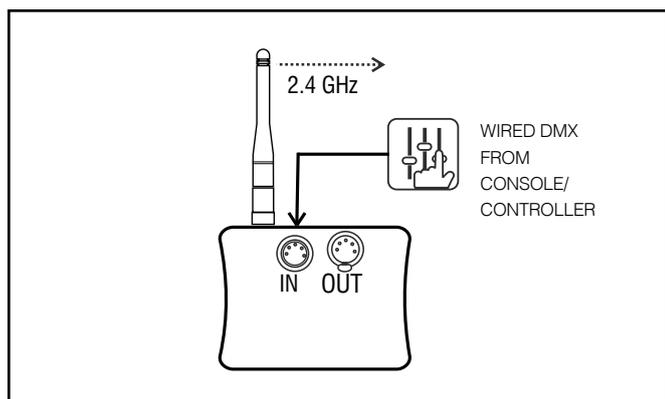


Set SHoW IDs on back of unit

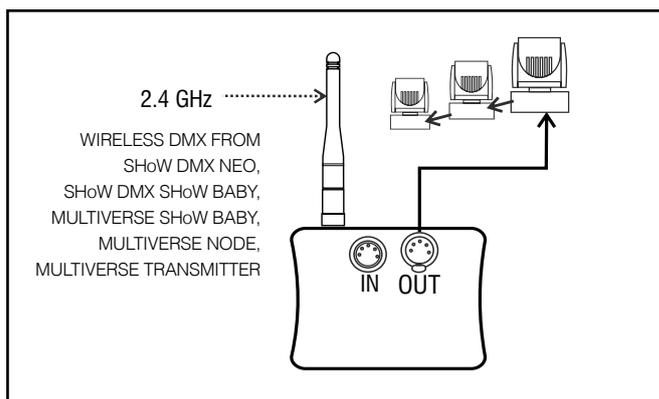
What's in the box:



Tx SCHEMATIC



Rx SCHEMATIC



Multiverse Node

| P/N | Frequency |
|------|-----------|
| 5903 | 2.4GHz |



Single Universe Plug and Play Simplicity

Key Features

- Built-in 2.4GHz (for worldwide use) and 900MHz (for use in North America only) radios allow the user to select which single universe to transmit, and which radio band to use via the SHoW ID
- As a single universe receiver as part of a multi-universe system, users can select which universe to receive
- A very simple user interface to set SHoW ID and universe
- Rugged cast aluminium enclosure
- 5 Pin XLR DMX input and output
- 5 to 30VDC power input via locking barrel connector

The Multiverse® Node is the first building block of the Multiverse system.

Each Multiverse Node is a transceiver. As a single universe transmitter, it functions in a similar plug and play manner to our Multiverse SHoW Baby®, but contains two radios (North America version only) and a full user interface. As a receiver, it is the primary single universe stand alone receiver in the Multiverse system, and can be part of a larger multi-universe setup.



Pipe Mount

Simple onboard setup

Back of unit

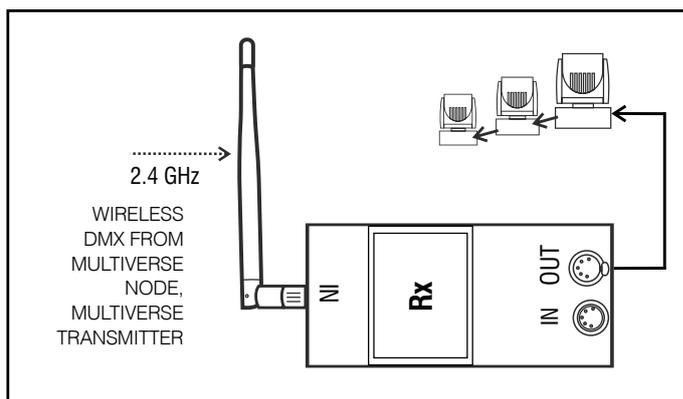
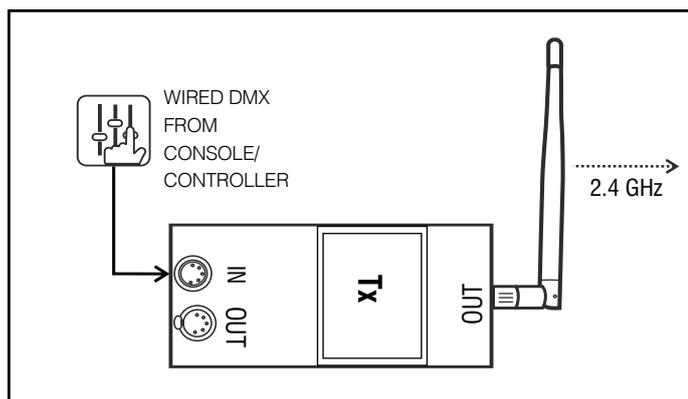


Tx SCHEMATIC

What's in the box:



Rx SCHEMATIC



+44 (0)20 8949 5051

Multiverse Transmitter

| P/N | Frequency | Universes |
|------|-------------|-----------|
| 5911 | 2.4GHz (x2) | 10 |



The Multiverse® Transmitter opens a new world in wireless DMX/RDM.

Its Ethernet input allows it to take in Streaming ACN (sACN) or Art-Net and to transmit between eight and 10 user-selectable universes of DMX/RDM, depending on the Multiverse Transmitter used, with the ability to use less radio energy than a present day single universe wireless DMX transmitter.

The Multiverse Transmitter has a Bluetooth radio receiver built in that allows it to communicate with City Theatrical's multi award winning DMXcat® app from the user's smartphone. This gives the user smartphone control of any lighting fixture that is part of the Multiverse setup, whether it is a lighting fixture with a Multiverse Module inside, a lighting fixture receiving its data from a Multiverse Node, or any wired fixture downstream of those devices.

The Multiverse Transmitter is Wi-Fi enabled, allowing for communication and control from tablet based Wi-Fi lighting controllers like Luminair.

What's in the box:



Multiple User Control Using Bluetooth Or Wi-Fi

Key Features

- Four radios: Bluetooth and Wi-Fi for inputs, and two 2.4GHz radios for Multiverse wireless DMX/RDM output
- Ethernet input for sACN and Art-Net
- All setup and user choices made with our free DMXcat app
- Rugged cast aluminium enclosure
- A hanging bracket is included for hanging from a pipe or truss
- Additional user control via DMXcat app or Luminair
- Power Input: AC, DC, PoE

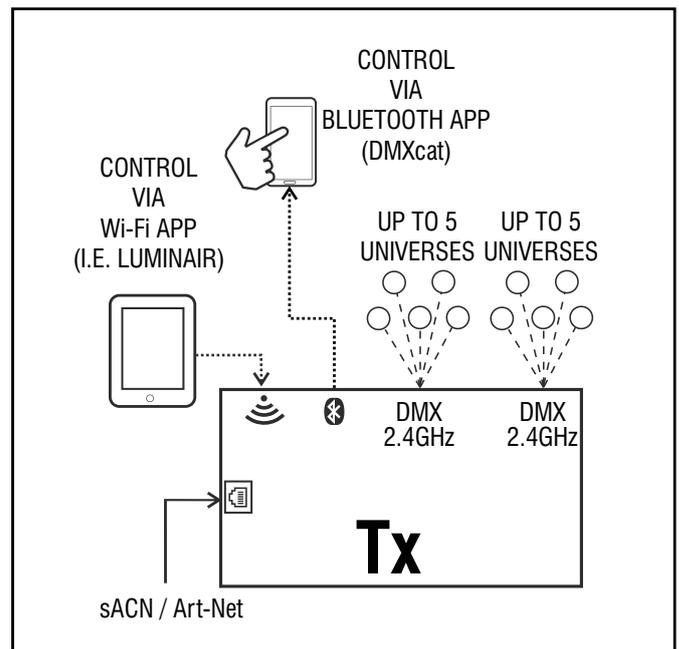


Pipe Mount



Pipe Mount

SCHEMATIC



Multiverse Vero Transceiver

| P/N | Frequency |
|-----------|-----------|
| 7400-5903 | 2.4GHz |



The Multiverse® Vero Transceiver brings the advanced features of the Multiverse wireless DMX/RDM system to outdoor installations for architecture and entertainment.

The Multiverse® Vero Transceiver 2.4GHz brings the advanced features of the Multiverse wireless DMX/RDM system to outdoor installations for architecture and entertainment. The 7400-5903 Multiverse Vero Transceiver 2.4GHz contains a 2.4GHz radio for worldwide use, which allows the user to select which single universe to receive, and which radio band to use via the Multiverse SHoW ID.

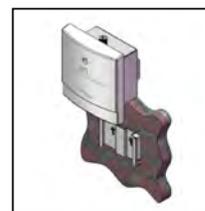
The Multiverse Vero Transceiver is housed in a NEMA 4 / IP66 package that provides protection from the outdoor elements. Its internal backlit LCD display makes setup easy and gives feedback on system performance. Each unit comes with a 2.5dBi outdoor omni-directional Antenna.



Outdoor-Rated Wireless DMX/RDM

Key Features

- Built-in Multiverse 2.4GHz (for worldwide use) and 900MHz (for use in the Americas only) Frequency Hopping Spread Spectrum radio
- Compatible with all Multiverse and legacy SHoW DMX Neo products
- User can select a single universe to receive
- Four button user interface screen to set SHoW ID, universe, and other functions
- DMX In (when used as transmitter) and Out (when used as receiver) via 3 pin Screw Terminal
- Rugged weatherproof aluminium enclosure
- Antenna: Omni Broadband, 900MHz/2.4GHz, 2.5dBi/2.5dBi



Wall Mount



Pipe Mount



Multiverse Studio Receiver

| P/N | Frequency | Universes |
|------|-----------|-----------|
| 5905 | 2.4GHz | 1 |

20-Hour Battery Life Wireless DMX Receivers Designed for Film, Video, and Events



Key Features

- Transmit and receive on the 2.4GHz band
- Long Life Rechargeable Battery: 20 hour battery life with default settings
- Rugged and Splashproof: An IP61 rated plastic case, making it splashproof and rainproof (but not for permanent outdoor use).
- User Selectable SHoW IDs: City Theatrical has always produced wireless DMX products that allow the user to select the optimum transmission method. Users may select full bandwidth hopping, hopping limited to a section of the spectrum (including areas of the spectrum outside of the Wi-Fi range), or adaptive hopping.

The Multiverse Studio Receiver brings the advanced features of the Multiverse wireless DMX/RDM system to the film and video world, where fast setup and reliability are key objectives.

The Multiverse Studio Receiver contains a long-life lithium-ion polymer battery giving 20 hours of use. The Multiverse Studio Receiver has a full four button user interface with a backlit LED display that makes setup easy and gives feedback on system performance.

The 5905 Multiverse Studio Receiver contains a 2.4GHz radio, which allow the user to select which single universe to receive, and which radio band to use via the Multiverse SHoW ID.

The DMX corded connector allows the Multiverse Studio Receiver and external to hang below the lighting fixture, giving improved data fidelity.



What's in the box:



Multiverse Studio Kit

| P/N | Frequency | Universes |
|------|-----------|-----------|
| 5939 | 2.4GHz | 1 - 10 |

All the Tools Lighting Technicians Need to Quickly Plan, Setup, and Operate Wireless DMX/RDM for Film, Video, and Events



The Multiverse Studio Kit brings the advanced technology of Multiverse wireless DMX/RDM system to the film and video world, featuring Receivers with 20 hour battery life and contactless charging in an easy to use kit.

The Multiverse Studio Kit provides all the tools lighting technicians need to quickly plan, setup, and operate wireless DMX/RDM on set. It includes:

- Six battery powered Multiverse Studio Receivers
- One Multiverse Transmitter with hanging bracket and clamp (for multi universe broadcasts)
- One Multiverse Node with hanging bracket and clamp (for single universe broadcasts)
- One DMXcat Multi-Function Test Tool (to turn on and troubleshoot any lighting fixture on set)
- One RadioScan Spectrum Analyzer (for broadcast planning)
- Six USB-A to USB-C cable, 1m
- One Power Cord, PowerCON True 1, 8' long
- Pelican case with contactless charging

Just drop the Multiverse Studio Receiver onto its slot in the Multiverse Studio Kit case, and it will begin charging. Individual chargers and USB cables are also included to enable charging or powering individual units outside the case.



Multiverse Studio Receivers charging in the Multiverse Studio Kit.

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Multiverse Studio Add On Kit

| P/N | Frequency | Universes |
|------|-----------|-----------|
| 5941 | 2.4GHz | 1 - 10 |

Scalable Multiverse Wireless DMX
in a Contactless Charging Case



Expand your Multiverse Studio Kit

The Multiverse Studio Add On Kit provides six additional Multiverse Studio Receivers for users to expand upon their full P/N 5939 Multiverse Studio Kit.

Just drop the Multiverse Studio Receiver onto its slot in the Multiverse Studio Add On Kit case, and it will begin charging. Individual chargers and USB cables are also included to enable charging or powering individual units outside the case.

Each Add On Kit includes:

- Six Multiverse Studio Receivers
- Six USB-A to USB-C cable, 1m
- One Power Cord, PowerCON True 1, 8' long
- Pelican case with contactless charging

Multiverse Studio and the Multiverse Studio Add On Kit



Multiverse Studio Receivers charging in the Multiverse Studio Add On Kit.

Wireless DMX Accessories

| | P/N | NAME | FOR PRODUCT |
|--|-----------|---|--|
| STANDARD ANTENNAS: | | | |
|  | 5729 | 2dBi Indoor Omni Antenna, 2.3" | All SHoW Baby models |
|  | 5731 | 4dBi Indoor Omni | Legacy SHoW DMX Neo Transmitter and Receiver |
|  NEW | 5980 | 2dBi/4dBi Omni Broadband Antenna, 900MHz/2.4GHz, Dual Band | Multiverse Module, Multiverse Node, and Multiverse Transmitter |
|  NEW | 5983 | 2.5dBi/2.5dBi Omni Broadband Antenna, 900MHz/2.4GHz, Dual Band Outdoor | Multiverse Vero Transceiver |
|  NEW | 5984 | 1.8dBi/3.8dBi Omni Broadband Antenna, 900MHz/2.4GHz, Dual Band Stubby | Multiverse Studio Receiver |
| LONG RANGE ANTENNAS: | | | |
|  | 5981 | Panel, Dual Band 900MHz - 2.4GHz (See City Theatrical website for adapter cables needed.) | Multiverse Node and Multiverse Transmitter |
|  | 5982 | Yagi, Dual Band 900MHz - 2.4 GHz (See City Theatrical website for adapter cables needed.) | Multiverse Node and Multiverse Transmitter |
| ACCESSORIES: | | | |
|  | 5637 | Splitter | All Panel and Yagi antennas |
|  | 5638 | Adapter Cable | Panel and Yagi to SHoW Baby, Multiverse Node, and Multiverse Transmitter |
|  | 5639 | Gender Changer for 5637 Splitter | Two needed for each Splitter (P/N 5637) |
|  | 5641 | Antenna Adapter Cable, N (M) to (N) M, 36" | Multiverse Vero Transceiver and legacy SHoW DMX Vero and Vero Net products |
| POWER SUPPLIES: | | | |
|  | 5627 | SHoW DMX Power Supply | SHoW Baby, SHoW DMX Transmitter and Receiver |
| | 5972 | Power Supply, 12V, 6W, 5.5x2.1mm, Locking | Multiverse Node and Multiverse Transmitter |
| HANGING BRACKETS: | | | |
|  | 5602 | SHoW DMX Mounting Plate (not shown) | SHoW DMX Transmitter and Receiver |
|  | 5780 | SHoW Baby Hanging Bracket | All SHoW Baby models |
|  | 5971 | Multiverse Node Hanging Bracket | Multiverse Node |
|  | 5974 | Multiverse Transmitter Hanging Bracket | Multiverse Transmitter |
| POWER CORDS: | | | |
|  | 5973 | Multiverse Node USB Power Cable | Multiverse Node |
|  | 5840 | N5-15P to powerCON TRUE1, 12AWG, 8' | Multiverse Transmitter |
|  | 103-00730 | Cable, Coax U.FL(L10-iPEX) to RP-SMA Jack 5", OD1.37mm | Multiverse Module and Multiverse Receiver Card |
| CONNECTORS: | | | |
|  | 5970 | Multiverse Locking Barrel Connector Lead, 6" | Multiverse Node |

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Multiverse Receiver / Transmitter Specifications



| | Multiverse Receiver Card | Multiverse SHoW Baby | Multiverse Node |
|----------------------------------|--|--|--|
| Part Number | 5906 (2.4GHz) | 5900 (2.4GHz) | 5903 (2.4GHz) |
| Applications | Indoor | Indoor | Indoor |
| Broadcast Power | 2.5mW, 8mW, 25mW, 80mW | 2.5mW, 8mW, 25mW, 80mW | 3.2mW, 10mW, 32mW, 100mW (EIRP) |
| Antenna(s) | External U.fl connector or Internal | 2dBi omni | 3dBi |
| User Interface | DMXcat app or USB Configurator | One Button / Indicator Lights | Four Button / Backlit LED Display |
| Broadcast Modes | Adaptive, Full, Low, Mid, High, Max | Adaptive, Full, Low, Mid, High, Max | Adaptive, Full, Low, Mid, High, Max |
| Ethernet Protocols | N/A | N/A | Auto Dynamic |
| Hopping Patterns | 10 | 10 | N/A |
| Show IDs | 217 | 217 | Multiverse:147, Neo: 70 |
| Latency | 4ms average | 4ms average | 4ms average |
| RF Sensitivity | -95dBm | -95dBm | -95dBm |
| RDM Features | RDM Proxy, RDM Responder | RDM Proxy, RDM Responder | RDM Proxy, RDM Responder |
| Compliance | Pre compliance reports available for integrators | FCC, IC, CE, ARIB, RoHS | FCC, IC, CE, ACMA, ARIB, RoHS |
| Power Input | 5-30VDC, 0.44W | 7.5-30VDC, 1W | 5-30VDC, 1W |
| Power Connector | 20-Pin 2x10 0.100-inch header, male | 5.5mm x 2.1mm, centre positive, 9mm mating depth | 5.5 x 2.1mm locking Note: Mating connector is 5.5 x 2.1mm x 12.1mm, centre positive Switchcraft 767K |
| IP Rating | N/A | IP50 | IP30 |
| Construction | PCB Assembly | Injection Molded Plastic | Die Cast Aluminium |
| Dimensions (L x W x H) | 2.0" x 1.5" x 0.25" (50 x 38 x 6.4mm) | 3.625" x 3.0" x 1.8" (92 x 76 x 46mm) | 4.05" x 2.36" x 1.44" (102.8 x 60 x 36.47mm) |

Multiverse technology is covered by U.S. Patents #7,432,803 B2, #10,129,964 B1, and other patents pending.

See product manuals for complete specifications. Specifications may be subject to change.

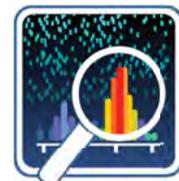


| | Multiverse Vero Transceiver | Multiverse Studio Receiver | Multiverse Transmitter |
|----------------------------------|--|--|--|
| Part Number | 7400-5903 (2.4GHz) | 5905 (2.4GHz) | 5911 (2.4GHz (x2)) |
| Applications | Outdoor | Indoor, Outdoor (Splashproof) | Indoor |
| Broadcast Power | 3.2mW, 10mW, 32mW, 100mW EIRP | 3.2mW, 10mW, 32mW, 100mW EIRP | 3.2mW, 10mW, 32mW, 100mW (EIRP) |
| Antenna(s) | Dual band 900MHz / 2.4GHz 2.5dBi / 2.5dBi Outdoor | Dual band 900MHz / 2.4GHz 1.8dBi / 3.8dBi Stubby | 3dBi |
| User Interface | Internal Backlit LCD display | 4 Button / Backlit LED Display | DMXcat app |
| Broadcast Modes | Adaptive, Full, Low, Mid, High, Max | Adaptive, Full, Low, Mid, High, Max | Adaptive, Full, Low, Mid, High, Max |
| Ethernet Protocols | N/A | N/A | Auto Dynamic |
| Hopping Patterns | 10 | 10 | 802.11 bgn, 100BASE-T sACN, Art-Net |
| Show IDs | 217 | 217 | Multiverse: 147 |
| Latency | 4ms average | 4ms average | 4ms average |
| RF Sensitivity | -95dBm | -95dBm | -95dBm |
| RDM Features | RDM Proxy, RDM Responder | RDM Proxy, RDM Responder | RDM Proxy, RDM Responder |
| Compliance | FCC, IC, CE, UKCA, ARIB, cETLus Listed, RoHS | FCC, IC, CE, UKCA, ARIB, RoHS | FCC, IC, CE, ETL, RCM, MIC |
| Power Input | 90-277VAC input, 1A max | Internal battery; included external power supply 100-240VAC input, 5VDC output | 100-240VAC 50/60Hz, 5-30VDC, POE Class 0, 2W |
| Power Connector | 3 pin screw terminals | USB-C connector | 5.5 x 2.1mm, powerCON TRUE1 in/ thru, RJ-45 |
| IP Rating | IP66 | IP61 | IP30 |
| Construction | NEMA 4 / IP66 Aluminium enclosure | ABS Plastic | Die Cast Aluminium |
| Dimensions (L x W x H) | 6.5" x 6.0" x 4.0" (165 x 152 x 102mm) | 5.5" x 1.812" x 1.0" (139.7 x 46 x 25.4mm) | 7.75" x 4.0" x 1.85" (196.9 x 101.5 x 47mm) |

RadioScan Spectrum Analyser

| P/N | Frequency |
|------|--------------|
| 5988 | 2.4-2.483GHz |

Easily Visualise Radio Energy and Create Broadcast Plans



RadioScan®

Key Features

- 2.4GHz spectrum analyser
- Finds all radio activity nearby in chosen spectrum
- Identifies SSID and signal strength of Wi-Fi networks
- Shows either Spectrogram or Waterfall view
- Can record and play back scans of unlimited length
- Takes and saves snapshots
- Records text notes on scans
- Prompts Multiverse SHoW IDs

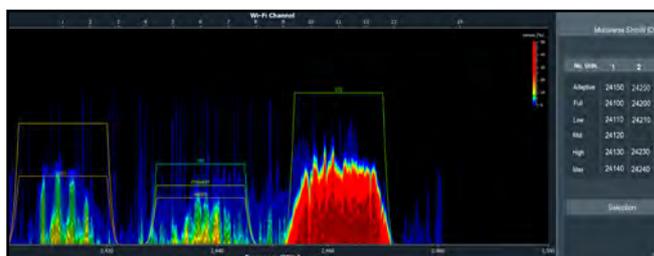


RadioScan Spectrum Analyser is a 2.4GHz spectrum analyser that enables you to easily visualise radio energy that is otherwise invisible to you.

Using RadioScan helps you to create a broadcast plan that optimises available spectrum in your area, and helps prevent interference with other mission critical radio devices near you.

RadioScan shows all radio activity near you in your chosen frequency, including frequency hopping gear like wireless DMX, as well as Wi-Fi networks, Bluetooth, wireless headsets, video transmitters, cordless phones, baby monitors, and microwave ovens. RadioScan can view spectrum data either in Spectrogram View or Waterfall View, and snapshots can be taken of both in the program. Scans of any length can be recorded, saved, emailed and played back with the RadioScan software, without the need for the RadioScan hardware dongle.

For users of Multiverse wireless DMX/RDM products, RadioScan will guide you in creating the optimum broadcast plan for your production.



DMXcat®

Part Number: 6000


DMXcat®
 CONTROL ANALYZE TEST


City Theatrical's DMXcat system is designed for use by the lighting professional who is involved with the planning, installation, operation, or maintenance of theatrical and studio lighting equipment. The system consists of a small interface device and a suite of mobile applications. Together, they combine to bring DMX/RDM control plus several other functions to the user's smartphone. DMXcat works with Android, iPhone, and Amazon Fire.

Hardware

The DMXcat's interface device is a compact battery powered unit which fits easily in a pocket or tool pouch or may be worn on a belt. It uses Bluetooth LE technology for communication with the smartphone/applications (up to 50' range). Without being physically connected, the user can move about the workspace and operate the various apps while still using the phone for on-the-job communication. The device's five pin XLRF connector/cable assembly allows it to be connected to any point in a DMX data chain to allow testing and or control of the various DMX/RDM slot functions. It is charged using a standard USB to Micro USB cable and charger.

Features include a built-in LED flashlight, an audible alarm (for locating a misplaced unit), an LED status indicator, an XLR5M to XLR5M Turnaround, and a removable belt clip. Optional accessories include: XLR5M to RJ45 Adapter, XLR5M to XLR3F Adapter, XLR5M to XLR3M Turnaround, and Belt Pouch.

Mobile App

DMXcat can function in seven languages: Spanish, French, German, Italian, Korean, Japanese, and English, depending on your mobile phone's native language setting.

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DMXcat Applications

DMX Controller

The DMX Controller app is a flexible and feature rich means for controlling 512 channels of DMX data. Two different user interfaces are included. The first emulates a conventional slider control arrangement such as is found on many simple manual lighting controllers. Touch and swipe gestures control the various level adjustments. Users can work with and easily switch between screens displaying 8, 64, or 512 (Live View) channels of information. For those who prefer a numeric based interface similar to what is found on a full sized lighting console, command line instructions can be input using familiar keypad and thumbwheel controls. An active 16 channel display provides current channel status. With either interface, users can adjust/work with individual, groups, or ranges of channels, record and play presets, customise names, and display levels as %, decimal, or hex value.

Fixture Controller

The Fixture Controller app has been designed to serve as a setup and test tool for the vast selection of lighting fixtures in use today. Many of today's moving light fixtures use over 40 channels of DMX control data, and can be configured to operate in a dozen or more modes (profiles). This can make it difficult to identify a particular channel's function when setting up or testing a fixture with a small DMX controller. Using an extensive built in database of manufacturers, fixtures, and operational profiles, users can easily select and assign the fixture's attributes and starting address, and a control interface specific to the fixture is displayed for testing its features. The various fixtures/personalities may be saved as "favourites" for future reference.

Personality Editor

Found within the Fixture Controller app, the Personality Editor allows users to create custom personalities. Working from scratch or by modifying an existing personality, individual attributes are added as needed and then saved. Upon completion, the manufacturer name, fixture name, and personality name are added and the profile can be saved to a "favourites" database.

DIP Switch Calculator

The DIP Switch Calculator app is an indispensable tool used in the conversion of numeric values to their binary equivalents. Used when configuring DIP switches for setting DMX channels and other fixture parameters, users simply enter a three digit numeric value and its corresponding DIP setting is displayed. Both the numbering order and reading direction can be reversed to match the switch orientation as needed.

RDM Controller

The RDM Controller is an application designed to control RDM enabled fixtures. Features include:

- Control & monitoring of RDM devices
- Full discovery - detects and generates a list of all RDM devices.
- Detects all sub devices for a selected device
- Shows all supported parameters
- Shows descriptions for all PIDs
- GET and SET for all PIDs (even user defined)
- Monitors fixtures for any sensors with easy to view info.
- When connected to an RDM enabled fixture, DMXcat identifies the fixture's address and attributes and loads its control interface automatically.

DMX Tester

Connect the DMXcat to a point in a DMX data chain and view DMX information and levels. Parameters of the controller's transmitted DMX signals may be adjusted and parameters of received DMX signals may be analyzed including: Break Time, Mark After Break, Inter-slot, Mark Before Break, Number Of Slots, and Refresh Rates. A Flicker-Finder function is included for identifying intermittent problems within the data network. The View Level function shows real time DMX levels sent from a console.

RF Spectrum Analyzer (Android only)

Identify potential communication problems before they happen. The RF Spectrum Analyzer enables the user to visualise existing Wi-Fi networks operating within a venue. Each wireless network is labeled and shown graphically within an overall schematic representation of the 2.4GHz RF channel spectrum. Armed with this information, wireless DMX operation can be optimised by adjusting the type of transmission (hopping patterns) and/or locating the control network in uncrowded or unused areas of the RF Spectrum.

Light Metre (Android only)

Useful for studio work, this app offers basic reflected light measurements to help in light level adjustment for film and video production. Light levels are displayed in LUX.

Info

General product information, Hardware operation, App instructions and FAQs are all accessed here.



DMXcat Specifications

| | |
|-------------------------------|--|
| Part Number | 6000 |
| Wireless Communication | Bluetooth LE |
| Range | 50' (15m) |
| Status LED indicator | Yes, multicolour |
| Flashlight | White LED |
| Charging Port | Micro USB |
| DMX Connection | XLR5F |
| Battery Run Time | 20 hours |
| Charge Time | 8 hours |
| Apps | 7 on Android and 5 on iOS, as follows: DMX Controller, Fixture Controller, DIP Switch Calculator, DMX Tester, RDM Controller, Light Meter (Android only), RF Spectrum Analyzer (Android only) |
| Construction | NEMA 1 ABS enclosure |
| Compliance | CE, RoHS, FCC |
| Weight | 0.14 kg (0.3 lbs.) |
| Dimensions (L x W x H) | 95.3mm x 41.4mm x 23.9mm (3.75" x 1.63" x 0.94") |

What's in the box:



DMXcat Accessories

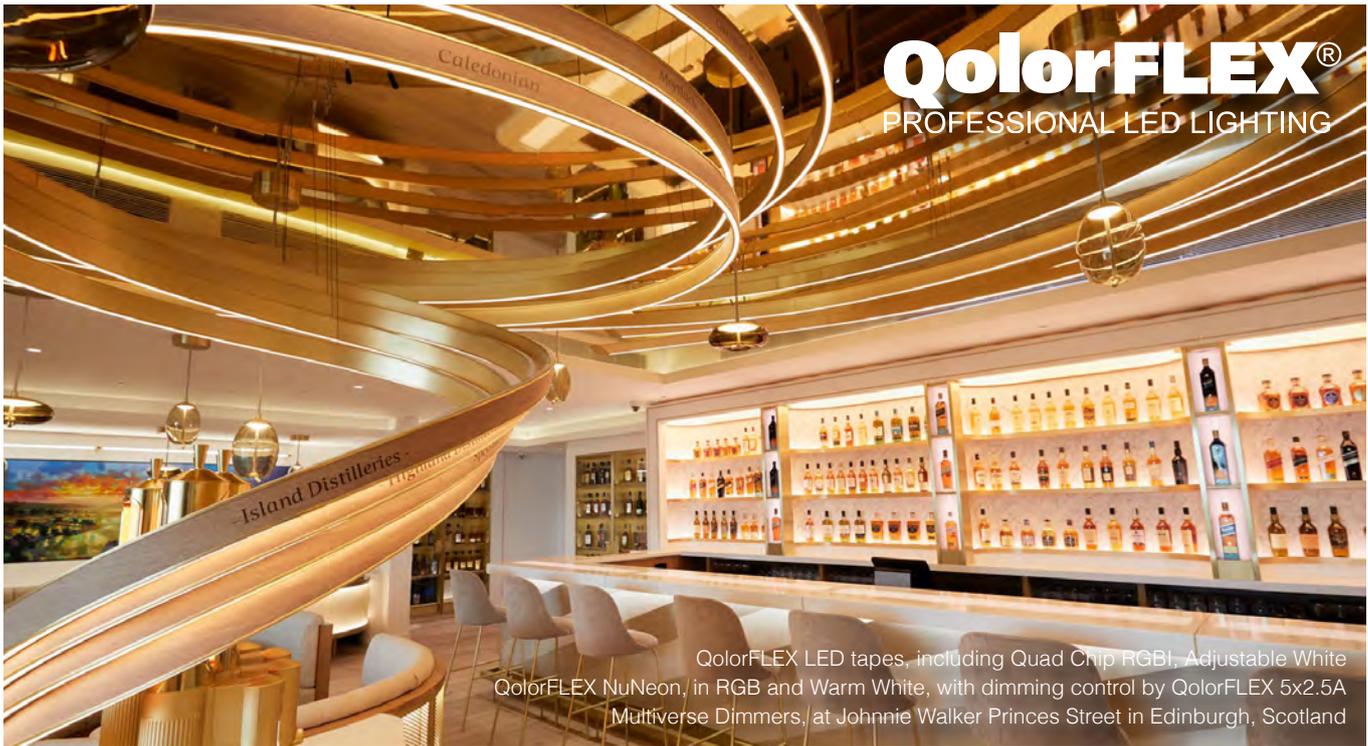
| PART NUMBER | DESCRIPTION |
|-------------|----------------------------|
| 6005 | XLR5M to RJ45 Adapter |
| 6006 | XLR5M to XLR3F Adapter |
| 6007 | XLR5M to XLR5M Turnaround |
| 6008 | XLR5M to XLR3M Turnaround |
| 6009 | DMXcat™ Belt Pouch |
| 6010 | USB to Micro USB cable, 6" |



Specifications subject to change

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QolorFLEX® LED Tape



City Theatrical's QolorFLEX brand of LED Lighting is recognized for its superior quality, versatility, and variety. Created specifically for lighting professionals working in theatrical, television and film, and architectural applications, our goal was to produce a premium product line offering designers a multitude of configurations that could be incorporated into their projects easily. Backed by City Theatrical's superior technical expertise and support, QolorFLEX LED Tape is now used on hundreds of productions and in environments across the globe.

In addition to the original QolorFLEX LED Tape, the brand now includes a wide array of wired and wireless dimmers, our plug and play QolorPIX® Pixel Controlled LED Tape system, and QolorFLEX NuNeon linear lighting and accessories – making it the professional's brand of choice for distinctive, dependable LED lighting products.

QolorFLEX LED Tape Specifications

24V LED Tapes:

| NAME | VOLTAGE | USE | BACKING COLOUR | COLOUR TEMP | LED SIZE | LEDs/M | LENGTH | PART NUMBER |
|----------------------------|---------|--------|----------------|-----------------|----------|--------|--------|------------------------------|
| NEW HiQ 3200°K | 24 | Indoor | White | 3200°K | 2835 | 120 | 5m | 2835-24-H3200-120-5-20-1 |
| NEW HiQ 6000°K | 24 | Indoor | White | 6000°K | 2835 | 120 | 5m | 2835-24-H6000-120-5-20-1 |
| NEW HiQ 2700-6500°K | 24 | Indoor | White | 2700°K, 6500°K | 3527 | 120 | 5m | 3527-24-H27006500-120-5-20-1 |
| NEW UV | 24 | Indoor | White | N/A | 2835 | 60 | 5m | 835-24-UV395-60-5-20-1 |
| Cool White | 24 | Indoor | White | 6500°K | 5050 | 60 | 5m | 5050-24-CW-60-5-20-1 |
| Natural White | 24 | Indoor | White | 4100°K | 5050 | 60 | 5m | 5050-24-NW-60-5-20-1 |
| Warm White | 24 | Indoor | White | 2700°K | 5050 | 60 | 5m | 5050-24-WW-60-5-20-1 |
| RGB | 24 | Indoor | White | N/A | 5050 | 60 | 5m | 5050-24-RGB-60-5-20-1 |
| RGB + Cool White | 24 | Indoor | White | N/A | 5050 | 60 | 5m | 5050-24-RGBCW-60-5-20-1 |
| Adjustable White | 24 | Indoor | White | 2700°K - 6500°K | 3528 | 120 | 5m | 3528-24-WWCW-120-5-20-1 |
| Cool White | 24 | Indoor | White | 6500°K | 3528 | 60 | 5m | 3528-24-CW-120-5-20-1 |
| Warm White | 24 | Indoor | White | 2700°K | 3528 | 60 | 5m | 3528-24-WW-120-5-20-1 |

Sample Note:
 To order 18" (45cm) samples of QolorFLEX LED Tape, change the Part Number length specifier to "0".

Example:
 5050-12-NW-60-5-20-1
 ↑
 Length (m)



QolorFLEX LED Tape Specifications (Continued)

24V LED Tapes: (Continued)

| NAME | VOLTAGE | USE | BACKING COLOUR | COLOUR TEMP | LED SIZE | LEDs/M | LENGTH | PART NUMBER |
|---------------------------------------|---------|---------|----------------|-----------------|----------|--------|--------|--------------------------------|
| Quad Chip RGB + Amber | 24 | Indoor | White | N/A | 5050 | 60 | 5m | 5050-24-Q-RGBA-60-5-20-1 |
| NEW Quad Chip RGB + Cool White | 24 | Indoor | White | 6500°K | 5050 | 60 | 5m | 5050-24-Q-RGBCW-60-5-20-1 |
| Quad Chip RGB + Indigo | 24 | Indoor | White | N/A | 5050 | 60 | 5m | 5050-24-Q-RGBI-60-5-20-1 |
| Quad Chip RGB + Warm White | 24 | Indoor | White | 2700°K | 5050 | 60 | 5m | 5050-24-Q-RGBWW-60-5-20-1 |
| 5-in-1 RGB + Amber + CW | 24 | Indoor | White | N/A | 5050 | 60 | 5m | 5050-24-RGBACW-60-5-20-1 |
| NEW 5-in-1 HiQ High CRI | 24 | Indoor | White | N/A | 5050 | 60 | 5m | 5050-24-RGBH27006500-60-5-20-1 |
| Cool White | 24 | Outdoor | White | 6500°K | 5050 | 60 | 5m | 5050-24-CW-60-5-67-1 |
| Natural White | 24 | Outdoor | White | 4100°K | 5050 | 60 | 5m | 5050-24-NW-60-5-67-1 |
| Warm White | 24 | Outdoor | White | 2700°K | 5050 | 60 | 5m | 5050-24-WW-60-5-67-1 |
| Adjustable White | 24 | Outdoor | White | 2700°K - 6500°K | 3528 | 120 | 5m | 3528-24-WWCW-120-5-67-1 |
| RGB | 24 | Outdoor | White | N/A | 5050 | 60 | 5m | 5050-24-RGB-60-5-67-1 |

12V LED Tapes:

| NAME | VOLTAGE | USE | BACKING COLOUR | COLOUR TEMP | LED SIZE | LEDs/M | LENGTH | PART NUMBER |
|---------------------|---------|---------|----------------|-------------|----------|--------|--------|-------------------------|
| Cool White | 12 | Indoor | White | 6500°K | 5050 | 60 | 5m | 5050-12-CW-60-5-20-1 |
| Cool White | 12 | Indoor | White | 6500°K | 5050 | 30 | 5m | 5050-12-CW-30-5-20-1 |
| Cool White | 12 | Indoor | White | 6500°K | 3528 | 60 | 5m | 3528-12-CW-60-5-20-1 |
| Cool White | 12 | Indoor | White | 6500°K | 3528 | 30 | 5m | 3528-12-CW-30-5-20-1 |
| Natural White | 12 | Indoor | White | 4100°K | 5050 | 60 | 5m | 5050-12-NW-60-5-20-1 |
| Natural White | 12 | Indoor | White | 4100°K | 5050 | 30 | 5m | 5050-12-NW-30-5-20-1 |
| Natural White | 12 | Indoor | White | 4100°K | 3528 | 60 | 5m | 3528-12-NW-60-5-20-1 |
| Natural White | 12 | Indoor | White | 4100°K | 3528 | 30 | 5m | 3528-12-NW-30-5-20-1 |
| Warm White | 12 | Indoor | White | 2700°K | 5050 | 60 | 5m | 5050-12-WW-60-5-20-1 |
| Warm White | 12 | Indoor | White | 2700°K | 5050 | 30 | 5m | 5050-12-WW-30-5-20-1 |
| Warm White | 12 | Indoor | White | 2700°K | 3528 | 60 | 5m | 3528-12-WW-60-5-20-1 |
| Warm White | 12 | Indoor | White | 2700°K | 3528 | 30 | 5m | 3528-12-WW-30-5-20-1 |
| RGB | 12 | Indoor | White | N/A | 5050 | 60 | 5m | 5050-12-RGB-60-5-20-1 |
| RGB + Amber | 12 | Indoor | White | N/A | 5050 | 60 | 5m | 5050-12-RGBA-60-5-20-1 |
| RGB + Cool White | 12 | Indoor | White | 6500°K | 5050 | 60 | 5m | 5050-12-RGBCW-60-5-20-1 |
| RGB + Natural White | 12 | Indoor | White | 4100°K | 5050 | 60 | 5m | 5050-12-RGBNW-60-5-20-1 |
| RGB + Warm White | 12 | Indoor | White | 2700°K | 5050 | 60 | 5m | 5050-12-RGBWW-60-5-20-1 |
| RGB + Indigo | 12 | Indoor | White | N/A | 5050 | 60 | 5m | 5050-12-RGBI-60-5-20-1 |
| Cool White | 12 | Outdoor | White | 6500°K | 5050 | 60 | 5m | 5050-12-CW-60-5-67-1 |
| Natural White | 12 | Outdoor | White | 4100°K | 5050 | 60 | 5m | 5050-12-NW-60-5-67-1 |
| Warm White | 12 | Outdoor | White | 2700°K | 5050 | 60 | 5m | 5050-12-WW-60-5-67-1 |
| RGB | 12 | Outdoor | White | N/A | 5050 | 60 | 5m | 5050-12-RGB-60-5-67-1 |
| RGB + Amber | 12 | Outdoor | White | N/A | 5050 | 60 | 5m | 5050-12-RGBA-60-5-67-1 |

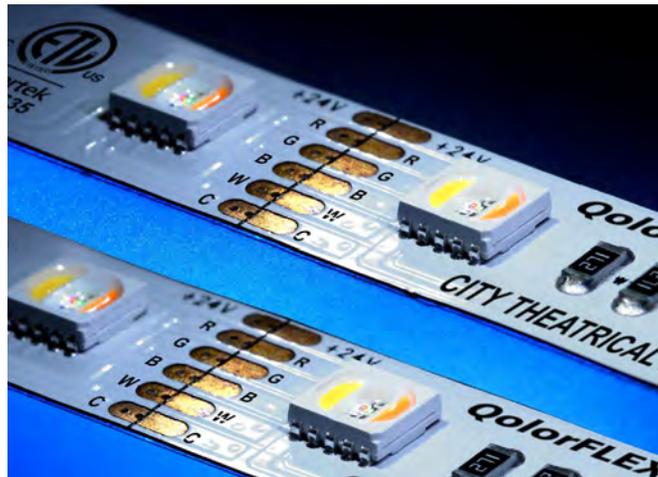
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QolorFLEX® 5-in-1 LED Tape

QolorFLEX® 5-in-1 | HiQ
PROFESSIONAL LED LIGHTING

NEW

| | |
|---------------|--------------------------------|
| RGBACW: | 5050-24-RGBACW-60-5-20-1 |
| HiQ High CRI: | 5050-24-RGBH27006500-60-5-20-1 |



QolorFLEX 5-in-1 LED Tapes are interior grade 5-in-1 24V LED Tapes with high output brightness that provide lighting professionals with ultimate five-color control, with their ability to create a wide spectrum of colors when used with a DMX color control system. Each tape comes with wiring leads on both ends and durable 3M adhesive backing. These LED tapes are available in full five meter reels and sample strips. New **QolorFLEX 5-in-1 HiQ High CRI LED Tape** (P/N 5050-24-RGBH27006500-60-5-20-1) has a Color Rendering Index (CRI) of 95 and is 25% brighter than other 5-in-1 LED tapes, for exceptional on-camera color rendition and the ability to match the light sources already being used on set for film and video projects.

SPECIFICATIONS:

Physical

| | | |
|-------------------|---|-------------|
| Length | 5m | (16.404 ft) |
| Width | 12mm | (0.472 in) |
| Cutting Increment | 100mm | (3.937 in) |
| LED Spacing | 16.7mm | (0.657 in) |
| Backing Colour | White | |
| Connector Type | 200mm long (7.874 in) flat cable on both ends, stripped 10mm and tinned | |

Output & Electrical (All 5-in-1 LED Tapes)

| | |
|-------------------|-----------|
| Beam Angle | 120° |
| Operating Voltage | 24VDC |
| Current | 2.5 A |
| Density | 60 LEDs/m |
| LED Chip Size | 5050 |

Output - HiQ High CRI only NEW

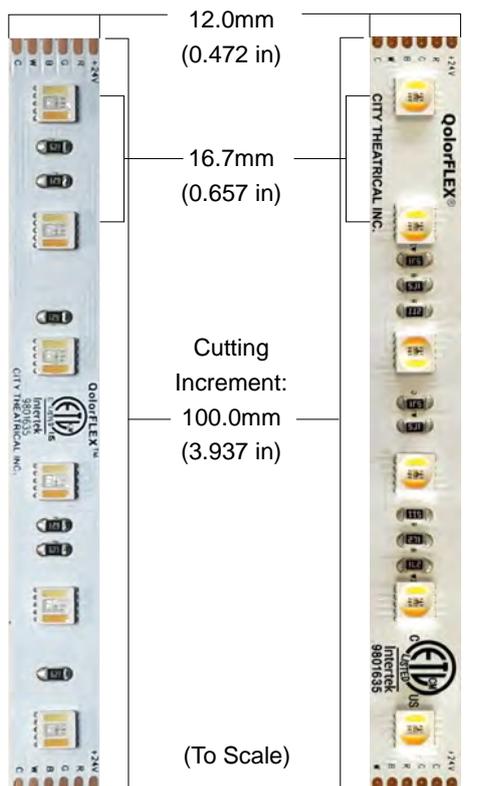
| | |
|-------------------|---------------------|
| Color(s) | RGB+WW+CW |
| Color Temperature | 2700 K, 6500 K |
| Wavelength | 622/522/468 nm |
| Brightness | 960 lumens/m |
| CRI | >95 |
| Power Consumption | 72 w/5m (4.39 w/ft) |

Output - RGBACW only

| | |
|-------------------|---------------------|
| Color(s) | RGB+A+CW |
| Color Temperature | 6500K ± 500K |
| Wavelength | 622/518/468/588 |
| Brightness | 700 lumens/m |
| CRI | ≥80 |
| Power Consumption | 60 w/5m (3.66 w/ft) |

Product Information

| | |
|-----------------|---|
| Use Environment | Indoor |
| Dimmable | Fully Dimmable |
| Average Life | 50,000 hours |
| Warranty | Two years |
| IP Rating | IP20 |
| Compliance | ETL, CE, RoHS    |



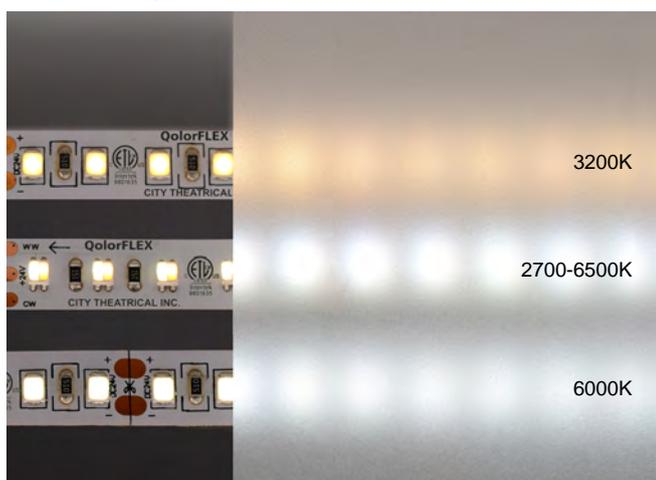
HiQ High CRI

RGB+A+CW

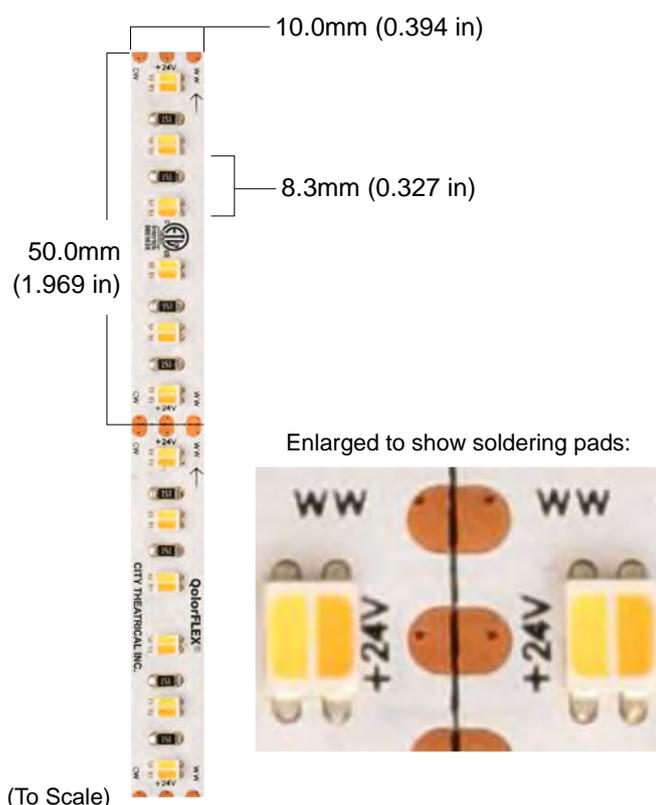
QolorFLEX® HiQ High CRI LED Tape

QolorFLEX® HiQ
PROFESSIONAL LED LIGHT TAPE

| | |
|-------------|------------------------------|
| 3200K: | 2835-24-H3200-120-5-20-1 |
| 6000K: | 2835-24-H6000-120-5-20-1 |
| 2700-6500K: | 3527-24-H27006500-120-5-20-1 |



QolorFLEX HiQ High CRI LED Tapes were designed to have a Colour Rendering Index (CRI) of 95+, making them an ideal high CRI LED tape for the needs of the film industry. **QolorFLEX HiQ High CRI LED Tape** offers exceptional on-camera colour rendition and allows lighting professionals to match the light sources already being used on their set. It is available in three colour temperatures: **3200K**, **6000K**, and **2700-6500K**. Like all 40+ types of QolorFLEX LED Tape, **QolorFLEX HiQ High CRI LED Tape** is sold in 5m reels and includes six-inch long pigtailed on both ends for easy connections to QolorFLEX Dimmers for flicker-free dimming.



SPECIFICATIONS:

| Physical | | |
|---|---|-------------|
| Length | 5m | (16.404 ft) |
| Width | 10mm | (0.394 in) |
| Cutting Increment | 50mm | (1.969 in) |
| LED Spacing | 8.3mm | (0.327 in) |
| Backing Colour | White | |
| Connector Type | 200mm long (7.874 in) flat cable on both ends, stripped 10mm and tinned | |
| Output | | |
| 3200K Colour/Colour Temp. | Warm White; 3200K ± 200K | |
| 6000K Colour/Colour Temp. | Cool White; 6000K ± 200K | |
| 2700-6500K Colour/Colour Temperature | Warm White +Cool White; 2700K±150K, 6500K±500K | |
| Beam Angle | 120° | |
| Brightness | 1200 lumens/m | |
| Colour Rendering Index (CRI) | ≥ 95 | |
| Electrical (All HiQ High CRI LED Tapes) | | |
| Operating Voltage | 24VDC | |
| Density | 120 LEDs/m | |
| Electrical - 3200K or 6000K only | | |
| Current | 2600 mA/5m | |
| Power Consumption | 63 w/5m (3.8 w/ft) | |
| LED Chip Size | 2835 | |
| Electrical - 2700-6500K only | | |
| Current | 3200 mA/5m | |
| Power Consumption | 77w/5m (4.69w/ft) | |
| LED Chip Size | 3527 | |
| Product Information | | |
| Use Environment | Indoor | |
| Dimmable | Fully Dimmable | |
| Average Life | 50,000 hours | |
| Warranty | Two years | |
| IP Rating | IP20 | |
| Compliance | ETL, CE, RoHS | |

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QolorFLEX LED Tape Accessories

Ribbon Cables:

| PART NUMBER | NAME | | USES |
|--------------------|--------------------------------------|---|--|
| 6607 | Ribbon Cable, Six Conductor, 18 GA |  | Used with terminal block connectors to make extension cables when connecting five color LED tape to dimmers. Sold by the foot. |
| 6600 | Ribbon Cable, Five Conductor, 18 GA |  | Used with terminal block connectors to make extension cables when connecting four color LED tape to dimmers. Sold by the foot. |
| NEW 6600-20 | Ribbon Cable, Five Conductor, 20 GA |  | Used with terminal block connectors to make extension cables when connecting four color LED tape to dimmers, in 20 gauge (slightly thinner than 18 gauge ribbon cable P/N 6600). Sold by the foot. |
| 6608 | Ribbon Cable, Four Conductor, 18 GA |  | Used with terminal block connectors to make extension cables when connecting three color LED tape to dimmers. Sold by the foot. |
| NEW 6606 | Ribbon Cable, Three Conductor, 18 GA |  | Used with terminal block connectors to make extension cables when connecting two color LED tape to dimmers. Sold by the foot. |
| NEW 6605 | Ribbon Cable, Two Conductor, 18 GA |  | Used with terminal block connectors to make extension cables when connecting single color LED tape to dimmers. Sold by the foot. |

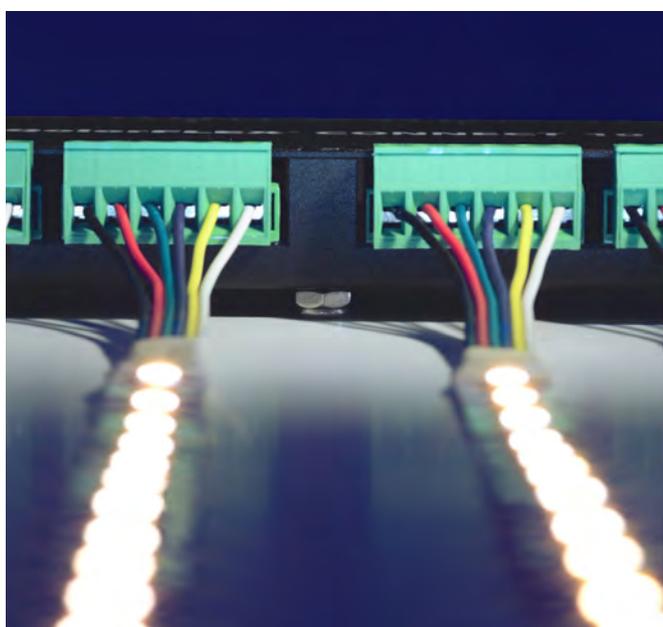
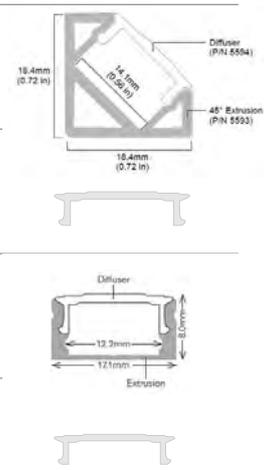
Connectors:

| PART NUMBER | NAME | | USES |
|-----------------|--|---|--|
| NEW 6612 | Terminal Block Connector, Six Pin, Male |  | Mating extension multi conductor cable assemblies. |
| NEW 6613 | Terminal Block Connector, Six Pin, Female |  | Mating output terminal block connector for QolorFLEX Connect 10. |
| 6610 | Terminal Block Connector, Five Pin, Male |  | Mating extension multi conductor cable assemblies. |
| 6611 | Terminal Block Connector, Five Pin, Female |  | Mating output terminal block connector for cable assemblies. |
| NEW 5673 | Terminal Block Connector, Four Pin Male |  | Mating extension multi conductor cable assemblies. |
| NEW 5674 | Terminal Block Connector, Four Pin Female |  | Mating output terminal block connector for cable assemblies. |
| NEW 5671 | Terminal Block Connector, Three Pin Male |  | Mating extension multi conductor cable assemblies. |
| NEW 5672 | Terminal Block Connector, Three Pin Female |  | Mating output terminal block connector for cable assemblies. |
| NEW 5657 | Terminal Block Connector, 2-Pin Male |  | Mating extension terminal block connector for cable assemblies. |
| NEW 5658 | Terminal Block Connector, 2-Pin Female |  | Mating output terminal block connector for cable assemblies. |
| 6615 | Female barrel to screw terminal connector |  | For making Two Conductor plug-in cable assemblies. |
| 6616 | Male barrel to screw terminal connector |  | For making Two Conductor plug-in cable assemblies. |

QolorFLEX LED Tape Accessories (Continued)

Extrusions and Diffusers, End Caps, Tape, and Tape Clips:

| PART NUMBER | NAME | USES |
|------------------------------|--|--|
| NEW 6693 | 45-Degree Extrusion  | Aluminum Extrusion, 45-Degree, 2m for 45-Degree LED Tape installations. |
| NEW 6694 | Diffuser for 45-Degree Extrusion  | Diffuser for 45-Degree Extrusion, 2m. |
| 6695 | Low Profile Extrusion  | Diffuser for Low Profile Extrusion, 2m. |
| 6690 | Diffuser for Low Profile Extrusion  | Aluminum Extrusion, Low Profile, 2m. |
| NEW 6690-1 | End Cap for 6690 Extrusion  | Ends the 6690 Aluminum Extrusion. Sold in packs of 10. |
| NEW 6690-2 | End Cap with hole for 6690 Extrusion  | Ends the 6690 Aluminum Extrusion, includes a hole. Sold in packs of 10. |
| 6680 6682 6684 6686 | Waterproof end caps for outdoor tapes: 9mm w/ 2 holes 8mm (no holes) 12mm w/ 4 holes 12mm (no holes)  | For making waterproof connections and terminating ends of outdoor rated LED tape. Sold in packs of 10. |
| 6625 | 3M VHB Double Sided Tape Roll, 72 yards  | The tape we recommend for long-term reliability for stick on surfaces. |
| 6630 | Outdoor Tape Clips and Screws  | For securing Outdoor LED tape. Sold in packs of 12. |



QolorFLEX Connect 10

Part Number: 5748



QolorFLEX Connect 10 is a practical and time saving solution for managing the multiple wire runs and numerous connections needed for large scale installations of LED tape in entertainment and architectural projects.

Developed to complement QolorFLEX 5-in-1 LED Tape, QolorFLEX Connect 10 is a “plug-in box” that can connect up to nine runs of five, four, three, dual, or single colour LED tape to a low voltage low dimmer. Each QolorFLEX Connect 10 uses 10 six position detachable Phoenix terminal block connectors to achieve a quick and well-ordered installation. QolorFLEX Connect 10 is constructed with a Nema 4 IP 20 steel enclosure, and offers a maximum current per device of 40A and maximum load per terminal of 20A.



QolorFLEX NuNeon in Macy's Herald Square "Believe In Wonder" Holiday Windows in New York, NY | Designed by Standard Transmission

QolorFLEX NuNeon is an incredibly flexible and bright sealed LED linear lighting product that can be used to replace traditional neon lighting in entertainment and architectural projects. It was carefully developed to provide lighting and scenic designers with a way to add bold and bright accents to their designs with the benefits of minimal maintenance, durability, and low power consumption as compared to glass blown neon.

Available in seven individual colours plus adjustable RGB, QolorFLEX NuNeon is IP67 rated for use indoors or outdoors and is ETL listed. Single colours are sold in 10m lengths, and RGB is available in 5m lengths.

QolorFLEX NuNeon is fully compatible with QolorFLEX Dimmers, Power Supplies, and the many other accessories for wiring and mounting that are available.

Distinct advantages of QolorFLEX NuNeon over competitive "Neon Replacement" products include:

Bright, Even Light. The LED tape within the silicone casing uses smaller high output 2835 chip diodes/emitters, which are closely spaced together (140 LEDs/m) to provide a more even light output with no hot spots.

UV Resistance. QolorFLEX NuNeon casing is made from a unique co-extruded mix of silicone polymers that provide a highly effective reflective support and translucent diffuser with both superior UV resistance and increased flexibility as compared to other PVC extruded products.

Incredibly Flexible. The tape is positioned at 45 degrees to the vertical axis, allowing a high degree of flexibility (Minimum Bend Radius is 1/2 inch) and excellent light transmission.

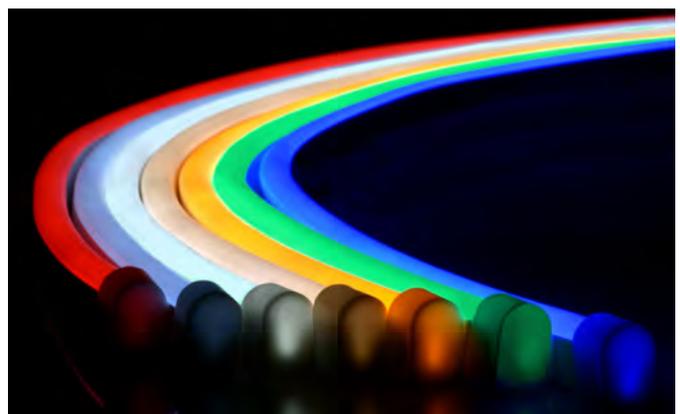
Easy to Install. The LED tape inside QolorFLEX NuNeon's silicone casing is not molded in place, but rather inserted after extruding. This makes cutting and soldering much easier, as no extrusion material has to be scraped away from the contacts on the tape.

Easy to Fit Difficult Spaces. QolorFLEX NuNeon is only 9mm wide by 14mm high (in its cross section), allowing it to be installed in many locations where larger scaled products just won't fit.

Less Waste. The cutting increment for QolorFLEX NuNeon is just under two inches, allowing for greater control during installation with less waste.

NEW Available in High CRI for Film & Video projects.

QolorFLEX NuNeon, Tunable White HiQ High CRI (P/N N914-H27006500-5) offers exceptional on-camera color rendition with a color rendering index greater than 94, allowing lighting professionals to meet the needs of high quality film and video lighting.



QolorFLEX NuNeon Specifications

| PART NUMBER | NAME | | VOLTAGE | COLOUR TEMP | WAVE-LENGTH | POWER CONSUMPTION | LENGTH |
|---------------------------------|--|---|---------|----------------|--------------------|-------------------|--------|
| NEW N914-H2700 6500-5 | QolorFLEX NuNeon, Tunable White HiQ High CRI |  | 24 | 2700°K, 6500°K | N/A | 70 w/5m (1 reel) | 5m |
| N914-CW-10 | QolorFLEX NuNeon, Cool White |  | 24 | 6500°K | N/A | 72w/10m (1 reel) | 10m |
| N914-NW-10 | QolorFLEX NuNeon, Natural White |  | 24 | 4000°K | N/A | 72w/10m (1 reel) | 10m |
| N914-WW-10 | QolorFLEX NuNeon, Warm White |  | 24 | 2700°K | N/A | 72w/10m (1 reel) | 10m |
| N914-A-10 | QolorFLEX NuNeon, Amber |  | 24 | N/A | 588 nm | 72w/10m (1 reel) | 10m |
| N914-B-10 | QolorFLEX NuNeon, Blue |  | 24 | N/A | 468 nm | 72w/10m (1 reel) | 10m |
| N914-G-10 | QolorFLEX NuNeon, Green |  | 24 | N/A | 518 nm | 72w/10m (1 reel) | 10m |
| N914-R-10 | QolorFLEX NuNeon, Red |  | 24 | N/A | 622 nm | 72w/10m (1 reel) | 10m |
| N914-RGB-5 | QolorFLEX NuNeon, RGB |  | 24 | N/A | 622/518/ 468 nm | 48 w/5m (1 reel) | 5m |

QolorFLEX NuNeon Accessories

| PART NUMBER | NAME | | PART NUMBER | NAME | |
|-------------|--|---|-------------|--|---|
| N914-01 | QolorFLEX NuNeon End Cap with Strain Relief, Pack of 10 |  | N914-05 | QolorFLEX NuNeon Aluminium Extrusion, 2m |  |
| N914-02 | QolorFLEX NuNeon End Cap, Pack of 10 |  | N914-07 | QolorFLEX NuNeon Aluminium Extrusion Mounting Clip, Pack of 10 |  |
| N914-03 | QolorFLEX NuNeon Lead Wire, Two Wire, 40cm |  | N914-09 | QolorFLEX NuNeon Plastic Mounting Clip, 30mm, Pack of 10 |  |
| N914-03-100 | QolorFLEX NuNeon Lead Wire, Two Wire, 40cm (not pictured) | | NU1040 | QolorFLEX NuNeon Silicone, White |  |
| N914-04 | QolorFLEX NuNeon Lead Wire, Four Wire, 40cm |  | NU1034 | QolorFLEX NuNeon Heat Shrink Tubing, Clear, 2 feet (0.6m) |  |
| N914-04-100 | QolorFLEX NuNeon Lead Wire, Four Wire, 40cm (not pictured) | | | | |



QolorPIX on *The Tonight Show Starring Jimmy Fallon*
Worn by host Jimmy Fallon and guest Jake Gyllenhaal
during "Brainstorm" segment

Designed by Kelly Hanson
Engineered and Constructed by Rachel Navarro
Photo by Andrew Lipovsky/NBCU Photo Bank via Getty Images

QolorPIX Is Pixel Control Made Simple.

While many products on the market offer control of addressable LED tape and fixtures, the process of set up and operation can be challenging. Each QolorPIX Tape Controller is pre-configured with personality profiles that can be combined and adjusted quickly and easily to produce thousands of effects using QolorPIX Pixel Controlled LED Tape, including chases, fades, scrolls, bursts, and more.



QolorPIX®
PLUG AND PLAY PIXEL CONTROL

QolorPIX Pixel Controlled LED Tape

Part Number: Q5050-5-RGB-48-5-67-2



QolorPIX Pixel Controlled LED Tape is designed for the most demanding professional applications, with 48 individually controlled LED lights per metre. Each reel of tape includes a soldered-on four-pin XLR connector on one end, creating a plug and play connection to the QolorPIX Tape Controller. QolorPIX Pixel Controlled LED Tape runs on low voltage (5VDC) and is sold in five metre reels, with a maximum cable connection length (between controller and tape) of 10 metres. The tape is encased in clear rectangular silicone, making it water resistant (IP 67 rated) for indoor or outdoor use.

SPECIFICATIONS

| | |
|-----------------------------|-----------------------------------|
| Part Number | Q5050-5-RGB-48-5-67-2 |
| LEDs per metre | 48 |
| Voltage | 5VDC |
| Watts/metre (max) | 14.4W |
| Viewing angle | 120° |
| PCB colour (backing) | Black |
| IP Rating | 67 |
| Coating | Clear Silicone |
| Connection | 4-Pin XLRM soldered to 6" pigtail |
| Cutting increment | 21mm (0.827") |
| Height | 4.8mm (0.188") |
| Width | 14.3mm (0.563") |
| Length | 5m (16.4') |

QolorPIX Tape Controller, Eight Output

Part Number: 5850



The QolorPIX Tape Controller offers eight ports, each accommodating five metres of pixel tape. It has a user-friendly control interface that allows the user to change mode, pixel length, dimmer, personality start address, and direction. It features an integrated power supply, a test function, and flicker finder for easy troubleshooting. It also offers wireless DMX control using Multiverse wireless DMX/RDM technology.

SPECIFICATIONS

| | |
|--|------------------------------|
| Part Number | 5850 |
| Number of outputs | 8 |
| Max LEDs per output | 240 |
| Voltage | 85-264 VAC |
| Watts (total output) | 600W |
| Max cable distance to LED strip | 10m (32.8 feet) |
| Output connectors | 4-Pin XLRF |
| Input power connection | Powercon |
| DMX connections: | 5-Pin XLR |
| Compliance | ETL, CE, RoHS, FCC |
| Construction | NEMA 1 IP 20 steel enclosure |

QolorPIX Accessories

| PART NUMBER | NAME |
|-------------|--|
| 5840 | Power Cord, N5-15P to powerCON TRUE1 12 AWG 8' |
| | |
| 5870 | QolorPIX Rack Mount/ Pipe Mount Ears |
| | |
| 5729 | 2dBi Omni , Indoor 2.3" |
| | |
| 5891 | Four Pin XLRM with Three Conductor, 6" Tail |
| | |

| PART NUMBER | NAME |
|-------------|---|
| 6670 | Mounting Clip Kit with Screws (for one roll of QolorPIX Pixel Controlled LED Tape) (not pictured) |
| 6691 | QolorPIX Aluminum Extrusion, 2m 21mm W x 9mm H (Image and diagram represent both 6691 and 6696) |
| | |
| 6696 | QolorPIX Diffuser for 6691 Extrusion, 2m |
| | |
| 6692 | QolorPIX Aluminum Extrusion, 2m 21mm W x 14mm H (Image and diagram represent both 6692 and 6697) |
| | |
| 6697 | QolorPIX Diffuser for 6692 Extrusion, 2m |
| | |

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QolorFLEX LED Dimmers



QolorFLEX LED Dimmers pair perfectly with QolorFLEX LED Tape. All QolorFLEX Dimmers (seven wired and four wireless) are RDM capable, deliver ultra smooth, flicker-free PWM dimming, and are available in two, three, four, five, six, and twenty four channel models.

Our QolorFLEX 5x8A Dimmer, as an example, pairs perfectly with QolorFLEX 5-in-1 LED Tape. Our QolorFLEX

4x10A Dimmer with integrated power supply is the workhorse of theatrical productions and touring events alike, featuring four dimming modes and four variable smoothing rates.

Several mounting styles are available to work with different installation requirements. QolorFLEX accessories, like wire, connectors, extrusions, and power supplies are available.



QolorFLEX 5x8A Dimmer

Part Number: 5809

The QolorFLEX 5x8A Dimmer can control a full 40A of LED tape spread over five channels of 8A each. This allows the control of 5-in-1 LED tape and unique combinations, such as RGB tape (three channels) and bi-color tape (two channels), or RGBX tape (four channels) and a single color tape (one channel) together in one unit. QolorFLEX 5x8A Dimmers use constant voltage technology to ensure consistent full range dimming, which is especially important at low end light levels. An easy to read onboard display and four button user interface allows selection of stand alone mode or setting DMX addresses, setting quantity of DMX channels, selecting 8 or 16 bit output resolution, setting PWM frequency (500Hz to 30KHz), setting output dimming curve values for matching the dimming curves of other dimmers in use, and setting the device's operating profile. QolorFLEX 5x8A Dimmers are also RDM capable. The unit requires a separate power supply providing input voltage of 12 or 24VDC to match the LED tape you are using. The maximum current load per channel is 8A with a maximum device output of 40A.



QolorFLEX 4x5A Dimmer

Part Number: 5821

The QolorFLEX 4x5A Dimmer can control a full 20A of LED tape spread over four channels of 5A each. It uses constant voltage technology which ensures consistent full range dimming that is especially important at low end light levels. The unit is easily surface mounted and has spring contact terminal blocks for all electrical and data connections. An easy to read onboard display and four button user interface allows selection of stand alone mode or setting DMX addresses, setting quantity of DMX channels, selecting 8 or 16 bit output resolution, setting PWM frequency (500Hz to 30KHz), setting output dimming curve values for matching the dimming curves of other dimmers in use, and setting the device's operating profile. The QolorFLEX 4x5A Dimmer is also RDM capable. The unit requires a separate power supply providing input voltage of 12 or 24VDC to match the LED tape you are using. The maximum current load per channel is 5A with a maximum device output of 20A.



QolorFLEX 4x5A DINrail Dimmer

Part Number: 5825

QolorFLEX 4x5A DINrail RJ45 Dimmer

Part Number: 5823

The QolorFLEX 4x5A DINrail Dimmers can control a full 20A of LED tape spread over four channels of 5A each. They use constant voltage technology which ensures consistent full range dimming that is especially important at low end light levels. Both units mount to a standard hat section DIN rail.

Model 5823 features two RJ45 connectors for DMX communication plus spring contact terminals for power and output connections. Model 5825 has spring contact terminals for all connections.

Both feature easy to read onboard displays and four button user interface for setting DMX addresses, setting quantity of DMX channels, selecting 8 or 16 bit output resolution, setting PWM frequency (500Hz to 30KHz), setting output dimming curve values for matching the dimming curves of other dimmers in use, and setting the devices operating profile. Both units are RDM capable. Each unit requires a separate power supply providing input voltage of 12 or 24VDC to match the LED tape you are using. The maximum current load per channel is 5A with a maximum device output of 20A.



QolorFLEX 24x3A Dimmer

Part Number: 5810

The QolorFLEX 24x3A Dimmer features twenty four channels of control and is suited for larger installations like retail spaces, or architectural illumination. It is compatible with 12V and 24V single color and multi-color LED tapes. It can be operated with a standard DMX color controller, or as a stand alone device using one of its pre-programmed color changing modes. The QolorFLEX 24x3A Dimmer is rated at 3A per channel maximum output. The unit requires a separate power supply providing input voltage of 12 or 24VDC to match the LED tape you are using. The maximum current load per channel is 3A with a maximum device output of 72A.



QolorFLEX Architectural LED PS/Driver Series

Part Number: 5758

QolorFLEX Architectural LED PS/Drivers provide a powerful and affordable way to power and control LED tape or other

LEDs in a permanent NEMA enclosure. They offer user selectable PWM dimming that is guaranteed not to flicker on camera which can be critical for those meeting areas where video or film image recording is in use for teleconferencing or any newsworthy event.

The drivers are ETL listed and CE certified, and feature DMX and 0-10V input control, an Integrated Power Supply AC to DC, and Four Class 2 rated dimmable circuits.

The drivers come in a rugged compact NEMA 1 steel enclosure with holes for wall mounting, electrical knockouts, and screw terminal connections. All models are made to order, with other configurations available.



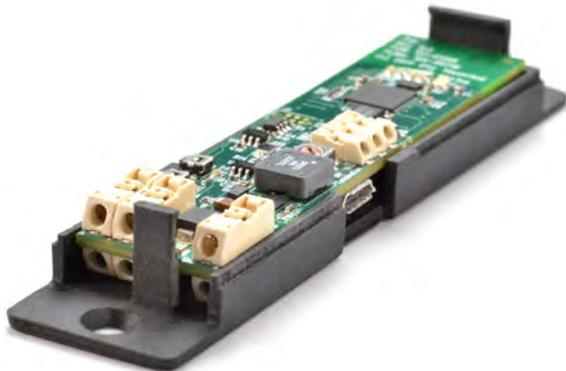
QolorFLEX 2x2.5A Multiverse Dimmer

| P/N | Frequency | Universes |
|------|-----------|-----------|
| 5916 | 2.4GHz | 1 |

Designed for Props,
Costumes, Wands,
and Candles



QolorFLEX®
PROFESSIONAL LED LIGHTING



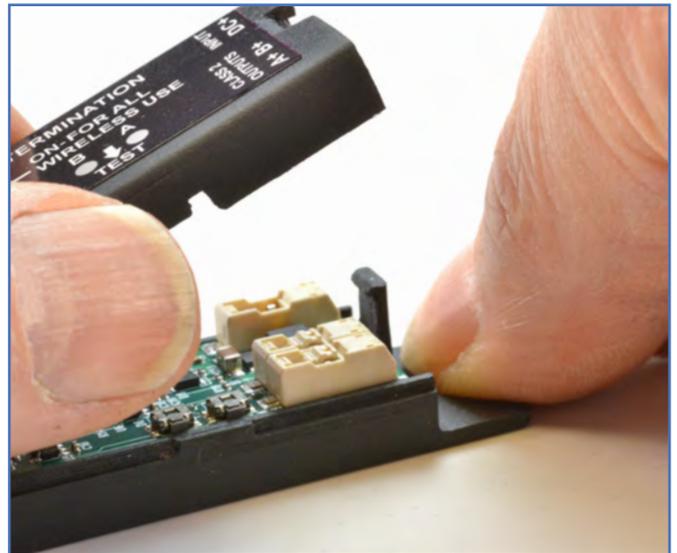
QolorFLEX® 2x2.5A Multiverse® Dimmers are small, constant voltage, two-output dimmers designed to be mounted in small spaces such as props, costumes, wands, and candles.

These dimmers can be controlled wirelessly using City Theatrical's Multiverse or SHoW DMX Neo wireless DMX/RDM technology, or with wired DMX. Each dimmer provides 20-bit PWM resolution and four DMX personality options (two variations of 8-bit and 16-bit control) for extremely smooth dimming at the low end of the dimming curve. Configuration is performed using RDM, such as with a City Theatrical DMXcat®, or with City Theatrical's USB Configuration program for PC or Mac.

A plastic case is included with each QolorFLEX 2x2.5A Multiverse Dimmer to allow easy mounting to scenery while enabling removal of the dimmer from the case for wiring and configuration. These dimmers are designed and built in the USA by City Theatrical.

Key Features

- Ideal for props and costumes with a low profile
- Supports ANSI E1.11 DMX512-A
- Compatible with all Multiverse and SHoW DMX transmitters
- Low profile latch connections for power, dimmer outputs, and DMX out
- Output port test buttons
- Configuration set via RDM or with City Theatrical's USB Configuration Program for PC or Mac.
- Built-in short circuit, reverse polarity, and over temperature protection



QolorFLEX 5x2.5A Multiverse Dimmer

| P/N | Frequency | Universes |
|------|-----------|-----------|
| 5943 | 2.4GHz | 1 |

Constant Voltage,
Five-output, Wireless
DMX/RDM dimming



QolorFLEX®
PROFESSIONAL LED LIGHTING

Key Features

- Wireless or wired DMX input
- Wired DMX output
- Mounting bracket included
- Compatible with all Multiverse and SHoW DMX Neo SHoW IDs
- DMX termination selector switch
- Per channel level indicator lights, PWM frequency, response time, curve selections, bump buttons with disable function, offsets to balance the point at which each dimmer first turns on (important for perfect low end balance)



QolorFLEX® 5x2.5A Multiverse® Dimmers are constant voltage, five-output dimmers that can be controlled wirelessly using City Theatrical’s Multiverse wireless DMX/RDM technology, or legacy SHoW DMX Neo wireless DMX/RDM, or with wired DMX.

Each dimmer provides 20-bit PWM resolution and six DMX personality options (including: 8-bit (5ch), 16-bit (10ch), 8-bit Tunable White Single (2ch), 16-bit Tunable White Single (4ch), 8-bit Tunable White (4ch), and 16-bit Tunable White (8ch)) for extremely smooth dimming at the low end of the dimming curve. These dimmers use detachable input and output connectors to make wiring easy. Configuration is performed using RDM, such as with a City Theatrical DMXcat®, or with City Theatrical’s USB Configuration program for PC/Mac. A mounting bracket is included with each dimmer to allow easy mounting to scenery. These dimmers are designed and built in the USA by City Theatrical, and pair perfectly with QolorFLEX 5-in-1 LED Tape for ideal use in props and costumes, or for areas where space is a concern.



Accessories for 5943 Dimmers:

| PART NUMBER | NAME |
|-------------|---|
| 5950 | XLR5M and XLR5F to Three Position Phoenix Connector, Female, 6" |
| 5984 | Antenna, Omni, 900MHz/2.4GHz, 1.8dBi/3.8DbI Dual Band Stubby |
| 5954 | Mounting Plate |

| PART NUMBER | NAME |
|-------------|---|
| 5951 | Phoenix Connector, Six Position, Female |
| 5952 | Phoenix Connector, Three Position, Female |
| 5668 | Phoenix Connector, Two Position, Female |

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QolorFLEX LED Dimmer Specifications



| Name | QolorFLEX 2x2.5A Multiverse Dimmer | QolorFLEX 4x5A Dimmer | QolorFLEX 4x5A DINrail RJ45 Dimmer | QolorFLEX 4x5A DINrail Dimmer |
|------------------------|--|---|---|---|
| Part Number | 5916 (2.4GHz) | 5821 | 5823 | 5825 |
| Output Channels | 2 | Selectable, 1 to 4 | 4 | 4 |
| Input Voltage | 6-30VDC | 12 to 36VDC 20A | 12~24VDC | 12~24VDC |
| Max Output per Channel | 0.9A @12V | 5A | 5A | 5A |
| Max Device Output | 1.8A | 20A@12V | 20A | 20A |
| Size L x W x H | 81 x 18.8 x 12mm (3.187" x 0.7" x 0.5") | 53.4 x 170 x 28mm (2.1" x 6.7" x 1.1") | 53.4 x 110 x 65mm (2.1" x 6.7" x 1.1") | 53.4 x 110 x 65mm (2.1" x 4.32" x 2.56") |
| Weight | 0.32 oz (9g) | 4.8 oz (0.14 kg) | 4 oz (0.11kg) | 4 oz. (0.11 kg) |
| Power Connections | Spring Terminals | Spring Terminals | Spring Terminals | Spring Terminals |
| Output Connections | Spring Terminals | Spring Terminals | Spring Terminals | Spring Terminals |
| DMX Connections | Spring Terminals | Spring Terminals | 2x RJ45 | Spring Terminals |
| 0-10V Connections | N/A | N/A | No | No |
| User Interface | RDM/USB | 4 Button, plus alpha/ numeric display | 4 button, plus alpha/ numeric display | 4 button, plus alpha/ numeric display |
| DMX Address | Yes | Yes | Yes | Yes |
| Curve Selection | Yes - 3 | Yes - 99 | Yes - 99 | Yes - 99 |
| Film & Video Modes | Yes - 5 | Yes - 18 | Yes - 18 | Yes - 18 |
| DMX Termination | N/A | No | No | No |
| SHoW ID | All Multiverse & Neo | No | N/A | N/A |
| Bump Buttons | Yes | No | No | No |
| Pilot Lights | Yes | Yes | Yes | Yes |
| Status Light | Yes | No | No | No |
| Smoothing Settings | Yes - Variable 6 | No | No | No |
| Stand Alone Levels | No | Yes | Yes | Yes |
| RDM | Yes | Yes | Yes | Yes |
| Compliance | CE, RoHS, FCC, AU, Japan, IC | CE, RoHS | CE , RoHS | CE, RoHS |

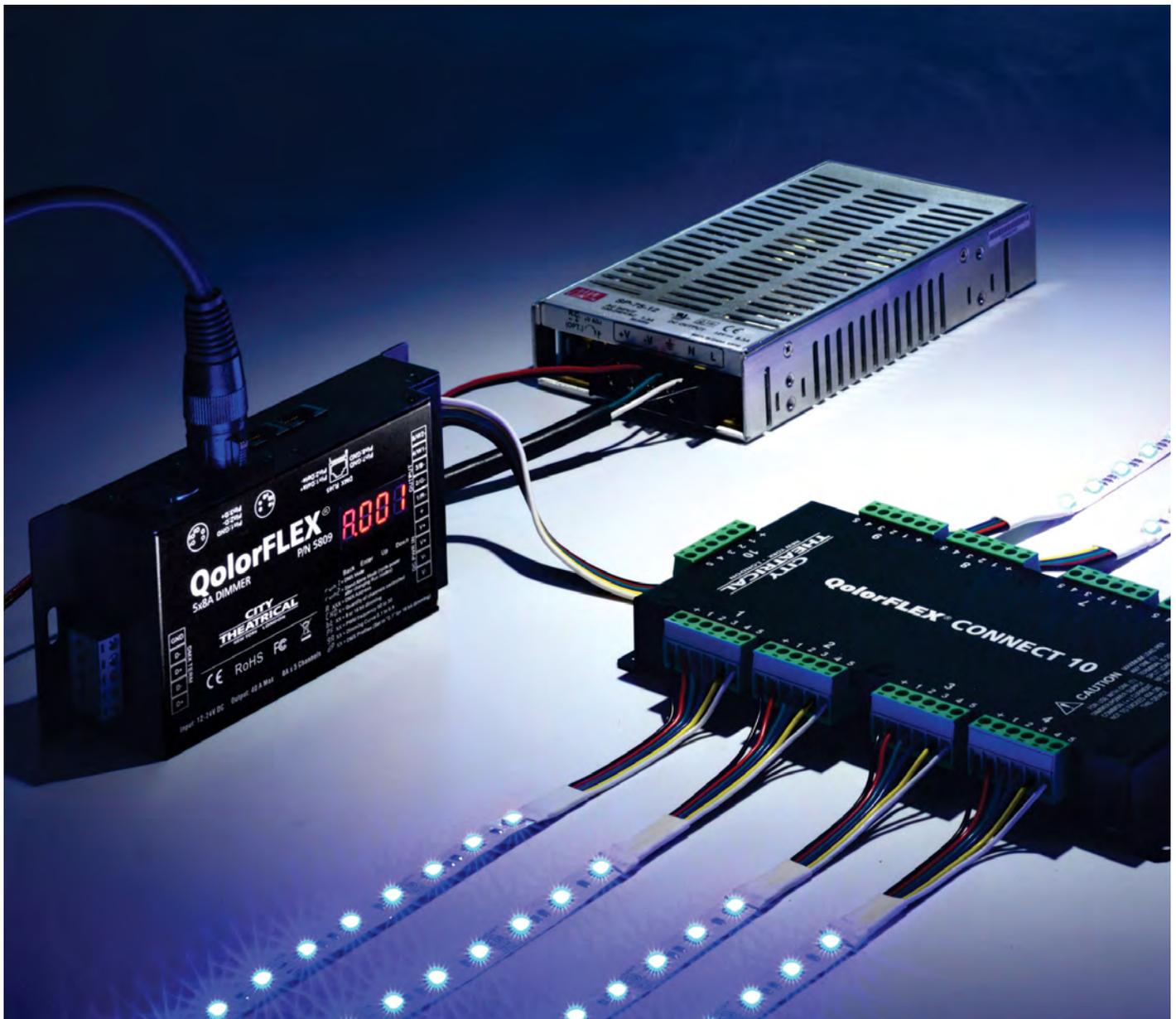
QolorFLEX LED Dimmer Specifications (Continued)



| Name | QolorFLEX 5x2.5A Multiverse Dimmer | QolorFLEX 5x8A Dimmer | QolorFLEX 24x3A Dimmer | QolorFLEX Architectural LED PS/Driver Series |
|------------------------|--|--|--|--|
| Part Number | 5943 (2.4GHz) | 5809 | 5810 | 5758 |
| Output Channels | 5 | 5 | 24 | 4 |
| Input Voltage | 5-30VDC | 12~24VDC | 12~24VDC | 100V-277VAC |
| Max Output per Channel | 4A | 8A | 3A | 3.3A |
| Max Device Output | 12.5A | 40A | 72A | 10A |
| Size L x W x H | 143 x 70 x 16mm (5.63" x 2.75" x 0.63") | 73 x 165 x 38mm (2.88" x 6.5" x 1.5") | 260 x 120 x 40mm (10.24" x 4.72" x 1.57") | 266mm x 410mm x 91mm (10.5" x 16.15" x 3.56") |
| Weight | 2.4 oz (70g) | 13.6 oz (0.39 kg) | 3 lbs. (1.36kg) | 14.5 lbs. (6.58kg) |
| Power Connections | Pluggable connectors | Screw Terminals | Screw Terminals | Hard wire terminals |
| Output Connections | Pluggable connectors | Screw Terminals | Screw Terminals | Hard wire terminals |
| DMX Connections | Pluggable connectors | 5-Pin XLR, RJ-45, Screw Terminals | 5 Pin XLR, RJ-45 | RJ-45 |
| 0-10V Connections | N/A | No | No | User Selectable Sourcing or Sinking |
| User Interface | RDM/USB | 4 button, plus alpha/ numeric display | 4 button, plus alpha/ numeric display | DIP Switches, BCD |
| DMX Address | Yes | Yes | Yes | Yes |
| Curve Selection | Yes - 3 | Yes - 99 | Yes - 99 | Yes - 4 |
| Film & Video Modes | Yes - 5 | Yes - 18 | Yes - 18 | Yes - 5 |
| DMX Termination | N/A | No | No | Yes |
| SHoW ID | All Multiverse & Neo | N/A | N/A | Yes |
| Bump Buttons | Yes | No | No | N/A |
| Pilot Lights | Yes | Yes | Yes | Yes |
| Status Light | Yes | No | No | Yes |
| Smoothing Settings | Yes - Variable 6 | No | No | Yes - 6 |
| Stand Alone Levels | No | Yes | Yes | No |
| RDM | Yes | Yes | Yes | Yes |
| Compliance | CE, RoHS, FCC, ACMA, ARIB, IC | CE, ROHS | CE, ROHS | ETL |

QolorFLEX LED Dimmer Accessories

| PART NUMBER | NAME |
|-------------|--|
| 6611 | 5-Pin Female connector for 5x8A and 24x3A Dimmers  |
| 6621 | XLR3M to XLR5F Adaptor  |
| 6622 | XLR3F to XLR5M Adaptor  |



Integrated Dimming Systems

City Theatrical has designed and built hundreds of custom integrated LED dimming/control systems for industry professionals who demand high performance and dependability. We have installed these systems on sets and stages for dozens of television and theatrical shows around the United States. As designers and manufacturers of high end control components used in LED operation, we understand the challenges and constraints of producing these types of assemblies. We have developed a means of producing integrated dimming systems which are fully tested, use state of the art components, are economically viable, and can be delivered quickly. Contact a sales representative for more information and a pricing estimate.

EXAMPLE 1

Unit includes: six P/N 5823 QolorFLEX 4x5A DINrail Dimmers offering 24 channels of control, an internally mounted 320W 12VDC fan cooled power supply, six XLR6 output connectors, XLR5 in and thru DMX connectors, and Powercon in and thru connectors for AC input. Unit is ETL listed to UL508A. Overall unit size is 14" x 14" x 2 3/4". Steel enclosure w/black powder coat.



Connector panel



Full Cover



Cover Removed

EXAMPLE 2

Unit includes: five P/N 5821 QolorFLEX 4x5A Dimmers for 20 channel- 4 x 4 colour dimming and 4 x 1 colour dimming, an externally mounted 120W fanless power supply, phoenix screw terminal output connectors, XLR5 in and thru DMX connectors, and Powercon in and thru connectors for AC input. Unit is ETL listed to UL508A. Overall unit size is 14" x 14" x 2". Steel enclosure with black powder coat.



Connector panel



Full Cover



Cover Removed

EXAMPLE 3

Unit includes: one P/N 5809 QolorFLEX 5x8A Dimmer for five channels of 8A dimming, 600W fanless power supply w/ Edison cord, five Wago quick connect splicing terminal blocks for output connections. Overall unit size is 16" x 9 1/2" x 2". The 1/8 inch aluminium base plate acts as secondary heat sink.



LED Power Supplies

City Theatrical uses Mean Well and other fine power supplies to power LED tape. The power supply must be matched in both voltage and wattage to the LED tape project you are specifying, and this is often a difficult and

confusing moment for lighting users. Call us for help in designing and laying out your project. We can talk you through it and help you put your order together, or we can do the whole thing for you.



AD-24-12



**RSP-75-12
RSP-75-24**



**RSP-150-12
RSP-150-24**



**RSP-320-12
RSP-320-24**



**RSP-500-12
RSP-500-24**

SPECIFICATIONS

| Part Number | AD-24-12 | RSP-75-12 RSP-75-24 | RSP-150-12 RSP-150-24 | RSP-320-12 RSP-320-24 | RSP-500-12 RSP-500-24 |
|-------------------|---|---|---|--|--|
| Configuration | Wall | Enclosed | Enclosed | Enclosed | Enclosed |
| Current, Output | 2A | 6.3 A / 3.2A | 12.5 A / 6.3A | 26.7A / 13.4A | 41.7A / 21A |
| Size L x W x H | 76.2mm x 38mm x 76.2mm (3.00" x 1.5" x 3.00") | 159mm x 97mm x 30mm (6.25" x 3.82" x 1.18") | 199mm x 99mm x 30mm (7.83" x 3.89" x 1.18") | 215mm x 115mm x 30mm (8.46" x 4.52" x 1.18") | 230mm x 127mm x 40.5mm (9.06" x 5.00" x 1.59") |
| Mounting Type | Wall Plug | Panel | Panel | Panel | Panel |
| Number of Outputs | 1 | 1 | 1 | 1 | 1 |
| Operation | PFC | PFC | PFC | PFC | PFC |
| Output | 12VDC@2A | 12VDC@6.3A 24VDC@3.2A | 12VDC@12.5A 24VDC@ 6.3A | 12VDC@26.7A 24VDC@13.4A | 12VDC@41.7A 24VDC@21A |
| Power, Output | 75W | 75.6W / 76.8W | 150W / 151.2W | 320.4W / 321.6W | 500.4 W / 504W |
| Primary Type | AC-DC | AC-DC | AC-DC | AC-DC | AC-DC |
| Type | Non-Commercial | Commercial | Commercial | Commercial | Commercial |
| Voltage, Input | 100-240 VAC | 85-264 VAC | 85-264 VAC | 88-264 VAC | 85-264 VAC |
| Voltage, Output | 12 VDC | 12 VDC 24VDC | 12 VDC 24VDC | 12 VDC 24VDC | 12 VDC 24VDC |

Outdoor Rated Fanless LED Power Supplies

The HLG series of power are fanless and perfect for areas where silent operation is critical, such as studios. All are IP 65 - 67 rated for indoor or outdoor use in all weather conditions, and are auto ranging from 90-305 VAC.



HLG-80H-24A



HLG-150H-24A



HLG-240H-24A



HLG-320H-24A



HLG-600H-24A

SPECIFICATIONS

| Part Number | HLG-80H-24A | HLG-150H-24A | HLG-240H-24A | HLG-320H-24A | HLG-600H-24A |
|--------------------------|--|---|---|---|---|
| Configuration | Enclosed | Enclosed | Enclosed | Enclosed | Enclosed |
| Current, Output | 3.4A | 6.3A | 10A | 13.34A | 25A |
| Size L x W x H | 195.6mm x 61.5mm x 38.8mm (7.7" x 2.42" x 1.53") | 228mm x 68mm x 38.8mm (8.98" x 2.68" x 1.53") | 244.2mm x 68mm x 38.8mm (9.61" x 2.68" x 1.53") | 252mm x 90mm x 43.8mm (9.92" x 3.54" x 1.72") | 280mm x 144mm x 48.5mm (11.02" x 5.67" x 1.91") |
| Mounting Type | Panel | Panel | Panel | Panel | Panel |
| Number of Outputs | 1 | 1 | 1 | 1 | 1 |
| Operation | PFC | PFC | PFC | PFC | PFC |
| Output | 24VDC@3.4A | 24VDC@6.3A | 24VDC@10A | 24VDC@13.34A | 24VDC@25A |
| Power, Output | 80W | 150W | 240W | 320W | 600W |
| Primary Type | AC-DC | AC-DC | AC-DC | AC-DC | AC-DC |
| Type | Commercial | Commercial | Commercial | Commercial | Commercial |
| Voltage, Input | 90-305 VAC | 90-305 VAC | 90-305 VAC | 90-305 VAC | 90-305 VAC |
| Voltage, Output | 24VDC | 24VDC | 24VDC | 24VDC | 24VDC |

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Company Broadway
Lighting Design: Neil Austin
Set Design: Bunny Christie
Photographer: Brinkhoff Moegenburg
Products used include Candle Lite Unlimited

Candle Lite™ Unlimited



Incredibly realistic electronic flicker candles specifically designed for live entertainment.

- Candle stick holds 9V battery and has integral switch
- Candle kit has slim circuit board to make your custom designs easier
- Both candles styles available are incandescent, providing a realistic-looking light source

| PART NUMBER | NAME | |
|-------------|--|---|
| 3450 | Candle Kit (Incandescent) |  |
| 3470 | Candle Stick (Incandescent) 127mm (5") |  |
| 3472 | Candle Stick (Incandescent) 305mm (12") |  |



Company Broadway
 Lighting Design: Neil Austin
 Set Design: Bunny Christie
 Photographer: Brinkhoff Moegenburg
 Products used include Candle Lite Unlimited

DMX Iris



- Based on the proven and reliable AutoYoke® iris
- Plugs into a 24VDC power supply (such as Forerunner™ or ChromaQ™) with a four pin cable
- Units can daisy chain to scrollers or to other DMX Irises

| PART NUMBER | NAME |
|-------------|---|
| 2192 | DMX Iris for Source Four* (does not include power supply) |
| 2199 | Power Supply for up to 2 Irises |

Projector Dowser



- Changes “video black” to complete blackout
- DMX controlled
- Plugs into a 24VDC power supply (such as Forerunner™ or ChromaQ™) with a four pin cable
- Fits most video projectors

| PART NUMBER | NAME |
|-------------|--|
| 4160 | Projector Dowser (does not include power supply) |
| 2199 | Power Supply for up to 2 Dowzers |



Sound of the Silk Road, produced by Nederlander Worldwide, Xi'an, China
 Lighting Design: Ken Billington
 Set Design: Walt Spangler
 Products used include
 QolorPIX® Pixel Controlled
 LED Tape and QolorPIX
 Tape Controller Eight Output



World Class DMX and Data Distribution Products for Entertainment

City Theatrical is proud to have partnered with Pathway Connectivity and is the exclusive distributor for their products in the UK and Europe. Earning their reputation by extending the functionality of DMX control, Pathway is now creating next generation lighting networks with open system products that harness the power and convenience of Ethernet. Pathway stretches the realm of the possible by creating breakthrough products that are dependable and easy to use. Pathway's proven record for innovation and reliability has helped to create ever more spectacular visual experiences for live audiences worldwide.



Cognito² Lighting Control Console

PWCOG Theatrical Console, the Cognito² Theatrical Lighting Console, offers easy and intuitive programming that makes control over incandescent dimmers, moving lights and colour-changing LEDs a breeze.

Cognito² solves the complex task of programming shows that include incandescent dimmers, moving lights, and colour-changing LED fixtures. Cognito² features a streamlined, natural language interface to guide you through selecting lights, adjusting their attributes, and recording reference libraries, memories and cues. Once programmed, the show is played back manually or by using show control, time code or scripting inputs.

With up to four universes of control and a new display output for a high definition external monitor, Cognito² doubles up on the capabilities of what is quickly becoming the go-to console for small to medium size churches, schools and other halls of public assembly.

Features

- Up to 2048 outputs—1024 directly from console
- Output for optional HD1080 high definition external monitor
- No hard limits on number of memories, cues, chases or playbacks
- Pathport Protocol, ANSI E1.31 sACN, Art-Net, KiNET
- Fanless, convection cooling means silent operation
- Natural language control uses “real-world” terms and labels instead of channel numbers and data-level values
- Continually maintained fixture library, currently with over 2000 commonly available, multiple-attribute lights
- Context-sensitive Help Overlays aid without interrupting work flow
- Two playbacks, each with an intensity fader

| PART NUMBER | PRODUCT NAME |
|---------------|---|
| PWCOG DT 512 | Cognito 2 Theatrical Console, Desktop, 512 Channels |
| PWCOG DT S512 | Cognito 2 Theatrical Console, Desktop, Starter 512 Channels |
| PWCOG DT 1024 | Cognito 2 Theatrical Console, Desktop, 1024 Channels |

| | Starter | Pro512 | Pro1024 | Pro1536 | Pro 2048 |
|-------------------|-------------|--------|---------|---------|----------|
| Output addresses | 512 | 512 | 1024 | 1536 | 2048 |
| Pathport Protocol | Yes | Yes | Yes | Yes | Yes |
| ANSI E1.31 sACN | No | Yes | Yes | Yes | Yes |
| Art-Net | No | Yes | Yes | Yes | Yes |
| DMX512 OUT ports | 1 | 2* | 2 | 2 | 2 |
| DMX512 IN ports | Not enabled | Yes | Yes | Yes | Yes |
| MIDI show control | Not enabled | Yes | Yes | Yes | Yes |
| RS232 port | Not enabled | Yes | Yes | Yes | Yes |
| Contact closure | Not enabled | 3 | 3 | Yes | Yes |

* Same output repeated on each port

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Choreo Lighting Controller

PWCHOREO Touchscreen Controller, the Choreo 3-gang Touchscreen DMX Lighting Controller, provides full-featured, stand-alone programming and playback for DMX512 lighting systems, all in a three-gang wall box. Choreo’s natural language interface makes the selection of lights, adjustment of their attributes, and the recording of reference libraries, memories and cues fast and simple. Once programmed, use the screen as a virtual button/fader station, or run shows from time code, serial input or contact closures.

Features

- Up to 2048 outputs—1024 directly from Choreo
- Power-over-Ethernet operation simplifies installation
- No hard limits on number of memories, cues, chases or playbacks
- Pathport Protocol, ANSI E1.31 sACN, Art-Net, KiNET
- Silent, capacitive touch screen operation
- Natural language control uses “real-world” terms and labels instead of channel numbers and data-level values
- Edit all show attributes including colour, intensity, position and timing from the touchscreen without a computer or console
- Continually updated fixture library, currently with over 2000 commonly available, multiple-attribute lights

| PART NUMBER | PRODUCT NAME |
|------------------|--|
| PWCHOREO WM 512 | Choreo Architectural Controller, Wall-mount, 512 Channels |
| PWCHOREO WM 1024 | Choreo Architectural Controller, Wall-mount, 1024 Channels |
| PWACC CHORDT | Pathway Accessory, Choreo Desktop Console |

| | Choreo512 | Choreo1024 | Choreo1536 | Choreo2048 |
|-----------------------------------|-----------|------------|------------|------------|
| Output DMX addresses | 512 | 1024 | 1536 | 2048 |
| Pathport Protocol | Yes | Yes | Yes | Yes |
| ANSI E1.31 sACN | Yes | Yes | Yes | Yes |
| Art-Net | Yes | Yes | Yes | Yes |
| KiNET | Yes | Yes | Yes | Yes |
| DMX512 OUT ports | 2* | 2 | 2 | 2 |
| DMX512 Input Trigger | Yes | Yes | Yes | Yes |
| Time Code | Yes | Yes | Yes | Yes |
| RS232 Serial/Telnet | Yes | Yes | Yes | Yes |
| Contact closure | 3 | 3 | 3 | 3 |
| Time/Astronomical Schedule | Yes | Yes | Yes | Yes |

*- Universe 1 repeated on both OUTPUT ports † - requires Pathport gateway for DMX output

Pathway Connectivity



NSB Wall Station

PWWSI NSB Wall Station, the NSB Sliders and Buttons for Choreo, is a system of modular button and slider wall station inserts that are fully compatible with Cognito2™ and Choreo™ lighting control platforms. Design the wall station needed, from single-gang up to six-gang.

Any button or slider may be associated with memories recorded on a Cognito2 or Choreo.

| PART NUMBER | PRODUCT NAME |
|---------------------|--|
| PWWSI NPOE B2 BL/WH | Wall Station Insert, NSB Power over Ethernet Master, 2-Buttons, Black or White |
| PWWSI NPOE B4 BL/WH | Wall Station Insert, NSB Power over Ethernet Master, 4-Buttons, Black or White |
| PWWSI NPOE S1 BL/WH | Wall Station Insert, NSB Power over Ethernet Master, Single Slider, Black or White |
| PWWSI NPOE S2 BL/WH | Wall Station Insert, NSB Power over Ethernet Master, Dual Slider, Black or White |
| PWWSI NPOE S3 BL/WH | Wall Station Insert, NSB Power over Ethernet Master, Triple Slider, Black or White |
| PWWSI N485 B2 BL/WH | Wall Station Insert, NSB RS485 Master, 2-Buttons, Black or White |
| PWWSI N485 B4 BL/WH | Wall Station Insert, NSB RS485 Master, 4-Buttons, Black or White |
| PWWSI N485 S1 BL/WH | Wall Station Insert, NSB RS485 Master, Single Slider, Black or White |
| PWWSI N485 S2 BL/WH | Wall Station Insert, NSB RS485 Master, Dual Slider, Black or White |
| PWWSI N485 S3 BL/WH | Wall Station Insert, NSB RS485 Master, Triple Slider, Black or White |
| PWGW DIN N | Architectural Gateway, DIN-mount, NSB (4.5") |
| PWGW DIN NC8 | Architectural Gateway, DIN-mount, NSB w 8 Contact Closures (6.25") |
| PWGW DIN NC16 | Architectural Gateway, DIN-mount, NSB w 16 Contact Closures (8") |



Choreo DIN Mount Controller

PWCHOREO DIN Mount Controller, the Choreo DIN-mount DMX Lighting Controller, is a headless playback controller for DMX512 lighting systems compatible with all Pathway eDIN system enclosures, Pathport gateways and VIA switches. Using a laptop or tablet you have full, live control of Choreo's natural language interface, making the selection of lights, adjustment of their attributes, and the recording of reference libraries, memories and cues fast and simple. Once programmed, use Pathway NSB wall stations to trigger Memories or Cues. Other events can be triggered from the astronomical clock.

| PART NUMBER | PRODUCT NAME |
|-------------------|---|
| PWCHOREO DIN 512 | Choreo Architectural Controller, DIN-mount, 512 Channels |
| PWCHOREO DIN 1024 | Choreo Architectural Controller, DIN-mount, 1024 Channels |
| PWACC ADDPRO | Pathway Accessory, Upgrade from Starter to Pro |
| PWACC ADD512 | Pathway Accessory, Add 512 Channels |



PWWSI Vignette Wall Station, or Vignette™ Sliders and Buttons Wall Stations, is a system of modular button and slider wall station inserts that allow you to snapshot four universes of E1.31 sACN or one universe of DMX512. Design custom wall stations, from single-gang up to six-gang.

Buttons can be press-and-hold to record and press to play back. Sliders can act as grand master for the Vignette's output, or proportionately control user-defined zones with minimum and maximum values for individual channels.

Playback and crossfade between snapshots, complex zones, single channels or non-dims of a very large network of station, using PoE or multidrop (RS485) wiring topology.

Vignette Wall Stations:

| PART NUMBER | PRODUCT NAME |
|------------------|--|
| PWWSI VPOE B2 BL | Wall Station Insert, Vignette Power over Ethernet Master, 2-Buttons, Black |
| PWWSI VPOE B2 WH | Wall Station Insert, Vignette Power over Ethernet Master, 2-Buttons, White |
| PWWSI VPOE B4 BL | Wall Station Insert, Vignette Power over Ethernet Master, 4-Buttons, Black |
| PWWSI VPOE B4 WH | Wall Station Insert, Vignette Power over Ethernet Master, 4-Buttons, White |
| PWWSI VPOE S1 BL | Wall Station Insert, Vignette Power over Ethernet Master, Single Slider, Black |
| PWWSI VPOE S1 WH | Wall Station Insert, Vignette Power over Ethernet Master, Single Slider, White |
| PWWSI VPOE S2 BL | Wall Station Insert, Vignette Power over Ethernet Master, Dual Slider, Black |
| PWWSI VPOE S2 WH | Wall Station Insert, Vignette Power over Ethernet Master, Dual Slider, White |
| PWWSI VPOE S3 BL | Wall Station Insert, Vignette Power over Ethernet Master, Triple Slider, Black |
| PWWSI VPOE S3 WH | Wall Station Insert, Vignette Power over Ethernet Master, Triple Slider, White |
| PWWSI V485 B2 BL | Wall Station Insert, Vignette RS485 Master, 2-Buttons, Black |
| PWWSI V485 B2 WH | Wall Station Insert, Vignette RS485 Master, 2-Buttons, White |
| PWWSI V485 B4 BL | Wall Station Insert, Vignette RS485 Master, 4-Buttons, Black |
| PWWSI V485 B4 WH | Wall Station Insert, Vignette RS485 Master, 4-Buttons, White |
| PWWSI V485 S1 BL | Wall Station Insert, Vignette RS485 Master, Single Slider, Black |
| PWWSI V485 S1 WH | Wall Station Insert, Vignette RS485 Master, Single Slider, White |
| PWWSI V485 S2 BL | Wall Station Insert, Vignette RS485 Master, Dual Slider, Black |
| PWWSI V485 S2 WH | Wall Station Insert, Vignette RS485 Master, Dual Slider, White |
| PWWSI V485 S3 BL | Wall Station Insert, Vignette RS485 Master, Triple Slider, Black |
| PWWSI V485 S3 WH | Wall Station Insert, Vignette RS485 Master, Triple Slider, White |

Architectural Gateways:



| PART NUMBER | PRODUCT NAME |
|----------------|---|
| PWGW DIN CLK | Architectural Gateway, DIN-mount, Vignette Clock (4.5") |
| PWGW DIN V | Architectural Gateway, DIN-mount, Vignette (4.5") |
| PWGW DIN VD2 | Architectural Gateway, DIN-mount, Vignette w 2 DMX (6.25") |
| PWGW DIN VD2C8 | Architectural Gateway, DIN-mount, Vignette w 2 DMX & 8 Contact Closures (8") |
| PWGW DIN VC16 | Architectural Gateway, DIN-mount, Vignette w 16 Contact Closures (8") |
| PWGW DIN VE | Architectural Gateway, DIN-mount, Vignette w Secondary Ethernet (6.25") |
| PWGW DIN VE2C8 | Architectural Gateway, DIN-mount, Vignette w Secondary Ethernet & 8 Contact Closures (8") |

Accessories:



| PART NUMBER | PRODUCT NAME |
|-----------------|--|
| PWWSI LOC B2 BL | Wall Station Insert, Local, 2-Buttons, Black |
| PWWSI LOC B2 WH | Wall Station Insert, Local, 2-Buttons, White |
| PWWSI LOC B4 BL | Wall Station Insert, Local, 4-Buttons, Black |
| PWWSI LOC B4 WH | Wall Station Insert, Local, 4-Buttons, White |
| PWWSI LOC S1 BL | Wall Station Insert, Local, Single Slider, Black |
| PWWSI LOC S1 WH | Wall Station Insert, Local, Single Slider, White |
| PWWSI LOC S2 BL | Wall Station Insert, Local, Dual Slider, Black |
| PWWSI LOC S2 WH | Wall Station Insert, Local, Dual Slider, White |
| PWWSI LOC S3 BL | Wall Station Insert, Local, Triple Slider, Black |
| PWWSI LOC S3 WH | Wall Station Insert, Local, Triple Slider, White |

Pathway Connectivity



VIA Ethernet Switches

The Pathway VIA series of Ethernet Switches are designed specifically for lighting, sound and video signal routing in all entertainment production systems, including live shows. Unlike switches designed and marketed for office and communication applications, VIA switches are convection cooled and ship as unmanaged, pre-configured and optimised for entertainment network use.

Layer 2 and 3 management features are enabled and configured through the front panel interface and the free, Pathscape tools.

| PART NUMBER | PRODUCT NAME | PRODUCT DESCRIPTION |
|---|---|--|
| PWVIA RM P12 RJ45EC SFPSLOT POE  | VIA, Rack-mount, 12-Ports, RJ45 EtherCON, Empty SFP Slots, PoE Enabled | This twelve copper port (plus two SFP+ ports) Gigabit Ethernet Switch designed specifically for lighting, sound and video signal routing in all entertainment production systems, including live shows. Unlike switches designed and marketed for office and communication applications, VIA12 is convection cooled and ships as an unmanaged switch, pre-configured and optimised for entertainment network use. Layer 2 and 3 management features are enabled and configured through the front panel interface and the Pathscape software suite. |
| PWVIA RM P12 RJ45EC DUO POE  | VIA, Rack-mount, 12-Ports, RJ45 EtherCON, OpticalCON Duo, PoE Enabled | VIA Rack-mount 12-Port RJ45 EtherCON devices are gigabit Ethernet switches designed specifically for lighting, sound and video signal routing in live entertainment applications, including live shows. These devices include built-in opticalCON DUO and opticalCON QUAD fiber connectors for LC multimode fiber. |
| PWVIA RM P12 RJ45EC QUAD POE  | VIA, Rack-mount, 12-Ports, RJ45 EtherCON, OpticalCON Quad, PoE Enabled | Unlike switches designed and marketed for office and communication applications, VIA12 TE ships as an unmanaged switch, pre-configured and optimised for entertainment network use, with twelve etherCON® RJ45 copper ports and two opticalCON® DUO or QUAD locking connectors for multi-mode fiber. When needed, VLANs, EAPS, RSTP and other Layer 2/3 management features are easily accessed and configured through the front panel interface and the Pathscape software suite. 100W of power is available on board to supply PoE-enabled devices. |
| PWVIA DIN P16 RJ45 SFPSLOT POE  | VIA, DIN-mount, 16-Ports, RJ45 Connector, Empty SFP Slots, PoE Enabled | This is a 10/100 Ethernet switch with sixteen copper ports and two gigabit mini-GBIC ports for SFP modules. Designed to mount to 35mm DIN rail, this compact switch is engineered specifically for sACN data distribution using Pathport Gateways, Choreo controllers, Cognito consoles and NSB or Vignette architectural wall stations. Management features, such as VLANs, DHCP and IGMP multicast filtering, are configured with the free Pathscape software. Two gigabit SFP receptacles allow you to connect to larger networks with advanced features such as RSTP and EAPS for complete redundant backup. |
| PWVIA RM P12 RJ45EC SFPSLOT NONPOE  | VIA, Rack-mount, 12-Ports, RJ45 EtherCON, Empty SFP Slots, Without PoE | This is an ethernet switch with eight copper ports and two gigabit mini-GBIC ports for SFP/SFP+ modules. Designed to mount to 35mm DIN rail, this compact switch is engineered specifically for sACN data distribution using Pathport Gateways, Choreo controllers, Cognito consoles and NSB or Vignette architectural wall stations. Management features, such as VLANs, DHCP and IGMP multicast filtering, are configured with the free Pathscape software. Two gigabit SFP receptacles allow you to connect to larger networks with advanced features such as RSTP and EAPS for complete redundant backup. |
| PWACC SFPP | Pathway Accessory, SFP+ 850nm 10GB Ethernet Optical Transceiver (for VIA8, VIA12) | |

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Pathport Rack Mount DMX Gateway, 8-Port

PWPP Wall Mount DMX Gateway, 8-Port, the Pathport® Secure DMX-RDM Ethernet Wall-mount Gateway, (Legacy Name: Pathport OCTO™) is an eight-port rackmountable gateway, providing compact installation for any size system. The Octo also provides a simple, straightforward replacement option for Pathfinder™ matrix switching systems.

This eight-port gateway provides all the features and flexibility that Pathports are renowned for, at our lowest cost-per-port ever.

Status LEDs provide instant confirmation of port direction and activity. The LCD display and encoder knob allow for front panel configuration and reporting of the most commonly used features, such as IP address and subnet mask, port direction and protocol selection. Different Ethernet protocols may even be merged together or prioritised. Advanced features include crossfade between DMX sources, DMX output speed and signal loss behavior. Multiple connector options available, including adaptor kits to convert terminal strips to IDC connections.

| PART NUMBER | PRODUCT NAME |
|--------------------------|---|
| PWPP RM P8 XLR5F REAR | Pathport, Rack-mount, 8-Ports, XLR 5-Pin Female, Rear Panel Connectors |
| PWPP RM P8 TERM REAR | Pathport, Rack-mount, 8-Ports, Compression Fit Terminal, Rear Panel Connectors |
| PWPP RM P8 XLR5F FRONT | Pathport, Rack-mount, 8-Ports, XLR 5-Pin Female, Front Panel Connectors |
| PWPP RM P8 XLRTERM FRTRR | Pathport, Rack-mount, 8-Ports, Front XLR 5-pin Female, Rear Terminal, Front and Rear Panel Connectors |
| PWPP RM P8 XLR5F FRTRR | Pathport, Rack-mount, 8-Ports, XLR 5-Pin Female, Front and Rear Panel Connectors |
| PWPP RM P8 RJ45EC REAR | Pathport, Rack-mount, 8-Ports, RJ45 EtherCON, Rear Panel Connectors |
| PWPP RM P8 RJ45EC FRONT | Pathport, Rack-mount, 8-Ports, RJ45 EtherCON, Front Panel Connectors |
| PWACC WMLG | Pathway Accessory, Large Rack-mount to Wall-mount kit |
| PWACC TMLG | Pathway Accessory, Large Rack-mount to Truss-mount kit |



Pathport Rack Mount DMX Gateway, 4-Port

PWPP Rack Mount DMX Gateway, 4-Port, the Pathport Secure DMX-RDM Ethernet Rack-mount Gateway (Legacy Name: Pathport QUATTRO) is a compact four-port version of the popular DMX-over-Ethernet management gateways.

Power-over-Ethernet operation makes the Pathport QUATTRO ideal for truss-mounted locations, while silent, fanless operation allows it to be placed immediately next to the lighting console, no matter where the console must be located. The encoder knob/LCD screen interface provides front panel access to all common configuration parameters. Most users won't need a computer for configuration.

| PART NUMBER | PRODUCT NAME |
|-------------------------|--|
| PWPP RM P4 XLR5F REAR | Pathport, Rack-mount, 4-Ports, XLR 5-Pin Female, Rear Panel Connectors |
| PWPP RM P4 TERM REAR | Pathport, Rack-mount, 4-Ports, Compression Fit Terminal, Rear Panel Connectors |
| PWPP RM P4 RJ45EC REAR | Pathport, Rack-mount, 4-Ports, RJ45 EtherCON, Rear Panel Connectors |
| PWPWR WW BARL 24W 24VDC | Power Supply, Wallwart, Barrel, 24 Watts, 24 Volts DC |

Pathway Connectivity



Pathport Wall Mount DMX Gateway, 2-Port

PWPP Wall Mount DMX Gateway, 2-Port, the Pathport Secure DMX-RDM Ethernet Wall-mount Gateway, (Legacy Name: Pathport C-Series) is where DMX-over-Ethernet began. It's the original and most popular Pathport gateway, and is suitable for flushmount, permanent installation, or portable use.

Features include two individually configurable DMX512 ports, DMX routing on a universe or channel-by-channel basis, multiple source merging or prioritizing, and more.

| PART NUMBER | PRODUCT NAME |
|-------------------------|--|
| PWPP WM P2 XLR5F BL | Pathport, Wall-mount, 2-Ports, XLR 5-Pin Female, Black |
| PWPP WM P2 XLR5MF BL | Pathport, Wall-mount, 2-Ports, XLR 5-Pin Male and XLR 5-Pin Female, Black |
| PWPP WM P2 XLR5M BL | Pathport, Wall-mount, 2-Ports, XLR 5-Pin Male, Black |
| PWACC WMP2 | Pathway Accessory, Pathport Dual Gang Wall Mount Enclosure (c/w knockouts) |
| PWACC TMP2 | Pathway Accessory, Pathport P2 Portable/Truss Mount Enclosure |



Pathport DMX Gateway, 1-Port

PWPP Wall Mount DMX Gateway, 1-Port, the Pathport Secure DMX-RDM Ethernet Wall-mount Gateway, (Legacy Name: Pathport UNO™) is a single port DMX gateway, with full support for Pathport DMX management and distribution features.

It is ideal for venues and applications where simple, single DMX ports are required. It is a single port DMX gateway, with full support for Pathport DMX management and distribution features. It is ideal for venues and applications where a simple, single DMX port is needed, in either flush wall-mount or portable form factors.

Wall Mount Gateways:

| PART NUMBER | PRODUCT NAME |
|------------------------|---|
| PWPP WM P1 XLR5M BL | Pathport, Wall-mount, 1-Port, XLR 5-Pin Male, Black |
| PWPP WM P1 XLR5M SS | Pathport, Wall-mount, 1-Port, XLR 5-Pin Male, Stainless Steel |
| PWPP WM P1 XLR5F BL | Pathport, Wall-mount, 1-Port, XLR 5-Pin Female, Black |
| PWPP WM P1 XLR5F SS | Pathport, Wall-mount, 1-Port, XLR 5-Pin Female, Stainless Steel |

Portable Gateways:

| PART NUMBER | PRODUCT NAME |
|---------------------|---|
| PWPP TM P1 XLR5M | Pathport, Truss-mount, 1-Port, XLR 5-Pin Male |
| PWPP TM P1 XLR5F | Pathport, Truss-mount, 1-Port, XLR 5-Pin Female |



Pathport Desktop and Accessories:

| PART NUMBER | PRODUCT NAME |
|---------------------|--|
| PWPP DT P1 XLR5M | Pathport, Desktop, 1-Port, XLR 5-Pin Male |
| PWPP DT P1 XLR5F | Pathport, Desktop, 1-Port, XLR 5-Pin Female |
| PWACC WMP1 | Pathway Accessory, Pathport Single Gang Wall Mount Enclosure (c/w knockouts) |

Pathway Connectivity



eLink Lighting Protocol Router

The PWELINK Lighting Protocol Router, the eLink Network Protocol Converter-Router, Part Number: PWELINK RM P2 RJ45EC REAR (Legacy P/N: P6602), is a compact entertainment network protocol converter and router. It is designed to bridge two distinct Local Area Networks, while controlling the data that crosses between them. This is particularly important with entertainment networks where unnecessary network traffic can cause response time or reliability issues.

eLink integrates into existing Pathscope Security Domains allowing for secure authenticated traffic into your network from outside guest consoles or DMX sources, allowing you to maintain network integrity but allowing the flexibility you need when guests or touring acts need access to your venue's system. Wall-off certain critical systems such as house lights and work lights so a guest console can't accidentally override them. Allow access to only certain Universes or slots to guest consoles all while ensuring security of network traffic, and converting to and from a variety of popular xDMX protocols.

| PART NUMBER | PRODUCT NAME |
|---------------------------|---|
| PWELINK RM P2 RJ45EC REAR | eLink Lighting Protocol Router, Rack-mount, 2-Ports, RJ45 EtherCON, Rear Panel Connectors |

DMX Repeater, DIN-mount, 4-Ports, DMX Only



This is an essential part of any permanent DMX512 distribution system. The DIN-rail mountable eDIN Opto-Splitter enables 'star' wiring configurations of DMX512 data lines. Each buffered output is isolated from the DMX input and protects all connected end-devices from harmful electrical faults and ground loops.

| PART NUMBER | PRODUCT NAME |
|---------------------|--|
| PWREP DIN P4 NONRDM | DMX Repeater, DIN-mount, 4-Ports, DMX Only |

DMX Interface, DIN-mount, 16 Channel Demultiplexer



This device converts DMX512 signals to 0-10VDC, or other common DC ranges, or to current-sinking control of LED drivers, Mark 7-type fluorescent ballasts, or solid state relays. The eDIN Demultiplexer converts DMX512 to 16 channels of analog DC output voltage. Diode shunts allow user-selection between current sourcing applications is typically for theatrical dimmers, current-sinking control, or for LED fixture driver s or Mark VII electronic fluorescent ballast control. A non-dim mode supports solid-state relay control.

| PART NUMBER | PRODUCT NAME |
|---------------|--|
| PWINF DIN D2A | DMX Interface, DIN-mount, 16 Channel Demultiplexer (6.25") |

DMX Interface, DIN-mount, 12 Contact Closure Relay



This interface provides twelve DMX-controlled dry contact closures for both power and signal level switching. It provides DMX512 control over twelve form-C relays, for signal level switching, in a DIN-rail mountable format. Each relay may be independently wired for normally-open (NO) or normally closed (NC) operation. Field configurable through front panel or by RDM, the eDIN Contact Closure has nine operating modes for maximum flexibility of use.

| PART NUMBER | PRODUCT NAME |
|--------------|---|
| PWINF DIN CC | DMX Interface, DIN-mount, 12 Contact Closure Relay (8") |

DMX Repeater, DIN-mount, 4-Ports, E1.20 RDM Compliant



This device provides full isolation between ports and RDM-compatibility. It is a DIN-rail mountable four-way opto-splitter that supports the bi-directional communication standard E1.20 Remote Device Management ("RDM"), as well as DMX512. Used in installations that require 'star' wiring configurations, all output ports are separate electrical entities, fully opto-isolated and independently protected against fault voltages.

| PART NUMBER | PRODUCT NAME |
|------------------|---|
| PWREP DIN P4 RDM | DMX Repeater, DIN-mount, 4-Ports, E1.20 RDM Compliant |

Pathway Connectivity



| PART NUMBER | PRODUCT NAME |
|---------------------------------------|---|
| PWREP RM P8 TERM REAR NONRDM | DMX Repeater, Rack-mount, 8-Ports, Compression Fit Terminal, Rear Panel Connectors, DMX Only |
| PWREP RM P8 TERM REAR RDMHUB | DMX Repeater, Rack-mount, 8-Ports, Compression Fit Terminal, Rear Panel Connectors, Merge, Priority, HTP and Hub, RDM Compliant |
| PWREP RM P8 RJ45EC FRONT NONRDM | DMX Repeater, Rack-mount, 8-Ports, RJ45 EtherCON, Front Panel Connectors, DMX Only |
| PWREP RM P8 RJ45EC FRONT RDMHUB | DMX Repeater, Rack-mount, 8-Ports, RJ45 EtherCON, Front Panel Connectors, Merge, Priority, HTP and Hub, RDM Compliant |
| PWREP RM P8 RJ45EC REAR NONRDM | DMX Repeater, Rack-mount, 8-Ports, RJ45 EtherCON, Rear Panel Connectors, DMX Only |
| PWREP RM P8 RJ45EC REAR RDMHUB | DMX Repeater, Rack-mount, 8-Ports, RJ45 EtherCON, Rear Panel Connectors, Merge, Priority, HTP and Hub, RDM Compliant |
| PWREP RM P8 XLR3F FRONT NONRDM | DMX Repeater, Rack-mount, 8-Ports, XLR 3-Pin Female, Front Panel Connectors, DMX Only |
| PWREP RM P8 XLR3F REAR NONRDM | DMX Repeater, Rack-mount, 8-Ports, XLR 3-Pin Female, Rear Panel Connectors, DMX Only |
| PWREP RM P8 XLR5F FRONT NONRDM | DMX Repeater, Rack-mount, 8-Ports, XLR 5-Pin Female, Front Panel Connectors, DMX Only |
| PWREP RM P8 XLR5F FRONT RDMHUB | DMX Repeater, Rack-mount, 8-Ports, XLR 5-Pin Female, Front Panel Connectors, Merge, Priority, HTP and Hub, RDM Compliant |
| PWREP RM P8 XLR5F REAR NONRDM | DMX Repeater, Rack-mount, 8-Ports, XLR 5-Pin Female, Rear Panel Connectors, DMX Only |
| PWREP RM P8 XLR5F REAR RDMHUB | DMX Repeater, Rack-mount, 8-Ports, XLR 5-Pin Female, Rear Panel Connectors, Merge, Priority, HTP and Hub, RDM Compliant |

Rack Mount Opto Splitter

PWREP Rack Mount Opto Splitter, the DMX-RDM Repeaters with Merging (Legacy Name: DMX Repeaters) are an essential component of DMX distribution systems, permitting star-wiring configurations while isolating and protecting equipment from electrical faults. RDM Hub models provide Ethernet-type intelligence features on a pure DMX512 network and an RDM controller. Other advanced features include input sensing, prioritization between two controllers, or HTP merging of two sources with one source able to roam - ideal for incorporating remote focus units. Pathway Pro marked products are geared for advanced entertainment lighting system applications and are available only to authorised buyers.

Features:

- Silent operation
- 8 outputs
- Multiple connector options including RJ45
- No fuses - we use self resetting data links
- Field-serviceable - a spare transceiver and opto-coupler ships with every unit
- Replacement transceivers and opto-couplers easily sourced from major electronic component suppliers
- Passive DMX through
- Termination switch 2500V Opto isolation between input and output signals
- 250V fault protection on inputs and outputs
- Two versions offered: connectors on the front or the back
- Wide range power supply
- DMX present indicator
- E1.11 DMX512A compliant
- Gold plated XLR contacts
- Rugged cast aluminium housing
- Custom connector arrangements on request
- Ships with rack ears

Pathway Connectivity



DMX Repeater, DIN-mount, 4-Ports, E1.20 RDM Compliant



The device provides full isolation between ports and RDM-compatibility. It is a DIN-rail mountable four-way opto-splitter that supports the bi-directional communication standard E1.20 Remote Device Management ("RDM"), as well as DMX512. Used in installations that require 'star' wiring configurations, all output ports are separate electrical entities, fully opto-isolated and independently protected against fault voltages.

| PART NUMBER | PRODUCT NAME |
|------------------|---|
| PWREP DIN P4 RDM | DMX Repeater, DIN-mount, 4-Ports, E1.20 RDM Compliant |

DMX Repeater, DIN-mount, 8-Ports, Merge, Priority, HTP and Hub, RDM Compliant



This hub brings flexibility to single universe DMX512 distribution systems. Through use of automatic signal sensing across four operating modes, any port may detect incoming DMX signals and act as an input, or: two inputs may be merged, the user may choose between inputs, or a priority scheme may be invoked. This device is RDM discoverable and configured.

| PART NUMBER | PRODUCT NAME |
|---------------------|---|
| PWREP DIN P8 RDMHUB | DMX Repeater, DIN-mount, 8-Ports, Merge, Priority, HTP and Hub, RDM Compliant |

DMX Repeater, DIN-mount, 3-Ports, Merge, Priority, HTP and Hub, RDM Compliant



This device allows merging and switching between two DMX sources in a one-universe system. Through the use of automatic signal sensing across four operating modes, any port may detect incoming DMX signals and act as an input and produces two outputs; or two inputs may be merged to create one output; based on priority, HTP merge or switchable using an external contact. The P1017 is RDM discoverable and configured.

| PART NUMBER | PRODUCT NAME |
|---------------------|---|
| PWREP DIN P3 RDMHUB | DMX Repeater, DIN-mount, 3-Ports, Merge, Priority, HTP and Hub, RDM Compliant |



DIN Rail System Enclosures

PWENC DIN Rail System Enclosures, the Pathway NEMA1 Enclosures, Rack-mount Trays, and Power Supplies, are ETL-listed NEMA1 enclosures for eDIN modules with power supplies. These system enclosures come in various sizes, depending on your eDIN system, from small to large to expanded.

The eDIN Rack Mount Panel Kit provides a custom way to rackmount eDIN assemblies. The kit allows you to snap in eDIN modules of your choice to make exactly the interface combinations you need. The built-in cable management system keeps things tidy when making external connections.

| PART NUMBER | PRODUCT NAME |
|-----------------|--|
| PWENC SHELF HOR | DIN System Enclosure, 2-RU Shelf unit with 2x16.5", Horizontal Rails |
| PWENC LRG VER | DIN System Enclosure, Large 18.5" x 31.5" x 6.25", Vertical Rails |



Pathway Accessories

To complement our Pathway Connectivity solution offering, we also offer Pathway Accessories, which include connectors and power supplies.

Accessories:

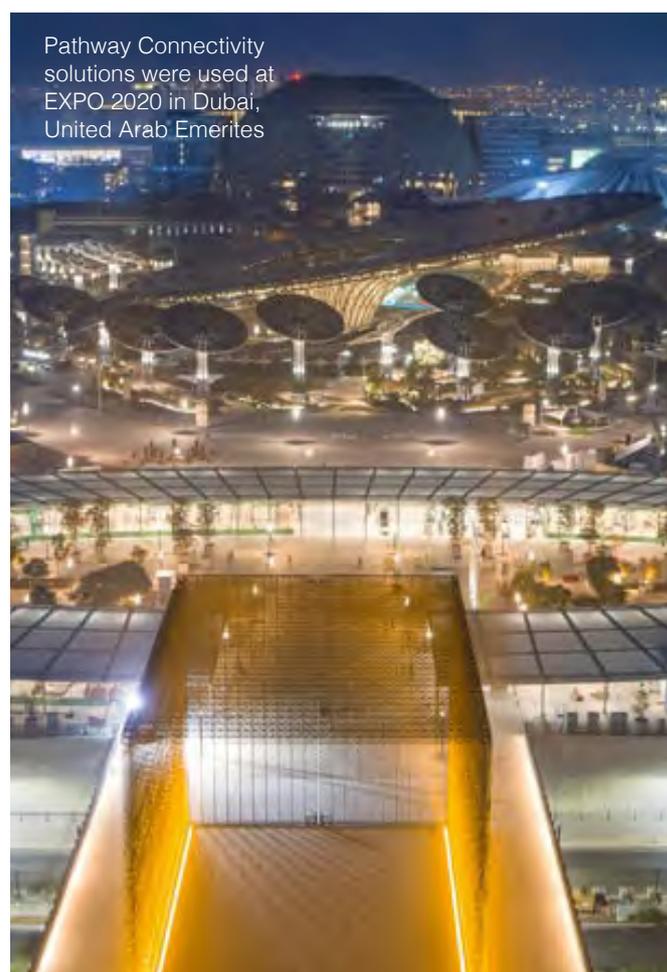
| PART NUMBER | PRODUCT NAME |
|-----------------|--|
| PWACC DIN9 | Pathway Accessory, 35mm DIN rail (9") |
| PWACC PPREFURB | Pathway Accessory, Pathport 2-port Refurbishment Kit |
| PWACC ENDCAP Q6 | Pathway Accessory, Replacement DIN end-cap kit, (Qty 6) |
| PWACC SFP | Pathway Accessory, SFP 850nm 1GB Ethernet Optical Transceiver (VIA8, VIA12, VIA16) |
| PWACC D3G | Pathway Accessory, Stage Manager's 4U rack panel, with dual 3-gang positions |

Connectors:

| PART NUMBER | PRODUCT NAME |
|--------------------------------|--|
| PWCON SPARE CSC6 Q2 | Connector, Spare, 6-Pin Compression Screw Connector (Quantity 2) |
| PWCON SPARE IDC6 Q2 | Connector, Spare, 6-Pin Insulation Displacement Contact Connector (Quantity 2) |
| PWCON SPARE CSC5 Q4 | Connector, Spare, 5-Pin Compression Screw Connector (Quantity 4) |
| PWCON SPARE IDC5 Q4 | Connector, Spare, 5-Pin Insulation Displacement Contact Connector (Quantity 4) |
| NEW PWCON SPARE CSC3 Q4 | Connector, Spare, 3-Pin Compression Screw Connector (Quantity 4) |
| NEW PWCON SPARE IDC5 Q4 | Connector, Spare, 3-Pin Insulation Displacement Contact Connector (Quantity 4) |

Power Supplies:

| PART NUMBER | PRODUCT NAME |
|---------------------------|---|
| PWPWR DT BARL 60W 24VDC | Power Supply, Desktop, Barrel, 60 Watts, 24 Volts DC |
| PWPWR DIN TERM 100W 24VDC | Power Supply, DIN-mount, Compression Fit Terminal, 100 Watts, 24 Volts DC |
| PWPWR DIN TERM 30W 24VDC | Power Supply, DIN-mount, Compression Fit Terminal, 30 Watts, 24 Volts DC |
| PWPWR DIN TERM 60W 48VDC | Power Supply, DIN-mount, Compression Fit Terminal, 60 Watts, 48 Volts DC |



Pathway Connectivity solutions were used at EXPO 2020 in Dubai, United Arab Emirates

Moving Light Assistant™



Moving Light Assistant is an application designed to document both the physical setup and programming information for moving light rigs commonly used in the entertainment industry.

The application will run on both Apple Mac OSX (Intel only) and Microsoft Windows operating systems.

Features

- Spreadsheet view showing configuration (lenses, lamps, menu options etc.) of moving light fixtures in the rig.
- Design and Edit moving light gobo, colour, and effect wheel loads.
- Integrated Gobo and Fixture library. Easily customised and updated.
- Import console reports from leading lighting consoles.
- View cue list, cue data, and channel data. Examine channel usage including maximum intensity, preset use, redundant moves, and more.
- Track current cue and photographs in the cue list with the lighting console in real time using Midi Show Control.
- Design, print, or generate PDF paperwork reports.
- Import and Export rig data with Lightwright.
- Take photographs directly into the application with a compatible DSLR camera connected via USB.

| PART NUMBER | NAME |
|-------------|--------------------------------------|
| 3660 | Personal Moving Light Assistant |
| 3665 | Institutional Moving Light Assistant |
| 3670 | Student Moving Light Assistant |

**Moving lights are complex.
Moving Light Assistant keeps you organised.**



Beam Control Accessories: Achieve Your Vision

City Theatrical has worked with professional lighting designers to create high quality lighting accessories for over thirty years. Our mission is to create products, like Concentric Rings, that enable designers to achieve their artistic vision and make a performance or installation even better. Just let us know how we can help you.



MAC Aura PXL
Concentric Ring
(P/N 277)

+44 (0)20 8949 5051

Beam Control Accessory Sizes for ETC Standard, EDLT, and XDLT Lenses for Source 4 LED Series 3

| Lens Degree | Lens Type | Beam Control Accessory Size (inches) | Beam Control Accessory Size (converted to mm) |
|-------------|-----------|--------------------------------------|---|
| 90 Degree | Standard | 7.5" x 7.5" | 190.5mm x 190.5mm |
| 70 Degree | Standard | 7.5" x 7.5" | 190.5mm x 190.5mm |
| | XDLT* | | |
| 50 Degree | Standard | 6.25" x 6.25" | 158.75mm x 158.75mm |
| | EDLT | | |
| | LED EDLT | 7.5" x 7.5" | 190.5mm x 190.5mm |
| | XDLT* | | |
| 36 Degree | Standard | 6.25" x 6.25" | 158.75mm x 158.75mm |
| | EDLT | | |
| | XDLT* | 7.5" x 7.5" | 190.5mm x 190.5mm |
| 26 Degree | Standard | 6.25" x 6.25" | 158.75mm x 158.75mm |
| | EDLT | | |
| | XDLT* | 7.5" x 7.5" | 190.5mm x 190.5mm |
| 19 Degree | Standard | 6.25" x 6.25" | 158.75mm x 158.75mm |
| | EDLT | | |
| | XDLT* | 10" x 10" | 254mm x 254mm |
| 14 Degree | Standard | 7.5" x 7.5" | 190.5mm x 190.5mm |
| | XDLT* | 10" x 10" | 254mm x 254mm |
| 10 Degree | Standard | 12" x 12" | 304.8mm x 304.8mm |
| | XDLT* | 14" x 14" | 355.6mm x 355.6mm |
| 5 Degree | Standard | 14" x 14" | 355.6mm x 355.6mm |
| | XDLT* | 17.5" x 17.5" | 444.5mm x 444.5mm |

City Theatrical Beam Control accessories that fit various ETC Standard, EDLT, and XDLT Lenses for Source 4 LED Series 3 light fixtures include:

- Adapter
- Barndoor
- Beam Bender
- Colour Extender
- Colour Frame
- Concentric Ring
- Cross Baffle Top Hat for S4 PAR
- Donut
- Drop In Boomerang
- Egg Crate Louver
- Image Multiplexer
- Mainframe
- Stackers™ Tapered Top Hat
- Stackers™ Tapered Half Top Hat
- Standard Top Hat
- Standard Half Top Hat



17.5" Top Hat (P/N 2459)
for ETC S4 LED Series 3
5-Degree XDLT Lens

Stackers™ Tapered Top Hats



Stackers™

Tapered so they stack, but they don't stick together.

- Lightweight aluminium construction
- Black flocked interior
- Saves space in storage and transport

Stackers™ fit Source Four, Source Four PAR, Source Four Jr, Source Four Zoom, Selecon Pacific, Altman Shakespeare, and many others. Sorry, Stackers™ do not fit Strand SL, or Source Four 14° and may not fit all lighting fixtures. Please call us with any questions.



| PART NUMBER | NAME | A | B | C | D |
|-----------------|-----------------------------|--------|---------|-------|---------|
| 2840 | 6 1/4" Full Top Hat | 6 1/4" | 5" | 5" | 5 3/8" |
| 2842 | 6 1/4" Short Full Top Hat | 6 1/4" | 5 1/8" | 3" | 5 3/8" |
| 2850 | 7 1/2" Full Top Hat | 7 1/2" | 6" | 6" | 6 3/4" |
| 2852 | 7 1/2" Short Full Top Hat | 7 1/2" | 6 3/8" | 3" | 6 3/4" |
| 2860 | 10" Full Top Hat | 10" | 8" | 8" | 8 7/8" |
| 2870 | 12" Full Top Hat | 12" | 10" | 10" | 10 3/4" |
| 2872 | 12" Short Full Top Hat | 12" | 10 3/8" | 5" | 10 3/4" |
| 2880 | 14" Full Top Hat | 14" | 12" | 12" | 13 3/8" |
| NEW 2891 | Adapter, for 7 1/2" Stacker | 7 1/2" | 7 1/2" | 6.8" | |
| NEW 2892 | Adapter, for 10" Stacker | 10" | 10" | 9.15" | |

Stackers™ Tapered Half Top Hats



Stackers™

Round frames allow Stackers Half Top Hats to rotate to the most advantageous angle.



| PART NUMBER | NAME | A | B | C | D |
|-----------------|-----------------------------|--------|---------|-------|---------|
| 2841 | 6 1/4" Half Top Hat | 6 1/4" | 5" | 5" | 5 3/8" |
| 2843 | 6 1/4" Short Half Top Hat | 6 1/4" | 5 1/8" | 3" | 5 3/8" |
| 2851 | 7 1/2" Half Top Hat | 7 1/2" | 6" | 6" | 6 3/4" |
| 2853 | 7 1/2" Short Half Top Hat | 7 1/2" | 6 3/8" | 3" | 6 3/4" |
| 2861 | 10" Half Top Hat | 10" | 8" | 8" | 8 7/8" |
| 2871 | 12" Half Top Hat | 12" | 10" | 10" | 10 3/4" |
| 2873 | 12" Short Half Top Hat | 12" | 10 3/8" | 5" | 10 3/4" |
| 2883 | 14" Short Half Top Hat | 14" | 12 3/4" | 6" | 13 3/8" |
| NEW 2891 | Adapter, for 7 1/2" Stacker | 7 1/2" | 7 1/2" | 6.8" | |
| NEW 2892 | Adapter, for 10" Stacker | 10" | 10" | 9.15" | |

Note:

Stackers and Standard Top / Half Top Hats are also available in white (no flocking on inside) at no additional charge. Add a "W" to the catalog number when ordering. Also available in white outside/black inside, with and without flocking. Call for pricing.

Standard Top Hats



Top Hats control spill light and prevent the audience or viewers from seeing the bright and possibly distracting source of the light. They have a black flocked interior. Call for information on optional safety cables.

| PART NUMBER | NAME | A | B | C | D |
|-----------------|------------------------------|---------|---------|---------|---------|
| 2222 | Gantom 1 | 1 3/4" | 1 3/4" | 1 3/4" | 1 3/4" |
| 2232 | Gantom DMX FL | 1 1/2" | 1 1/2" | 1" | 1" |
| 2242 | Gantom Precision Z | 1 1/4" | 1 1/4" | 1" | 1" |
| 2570 | S4 Mini | 2.76" | 2.76" | 2.3" | 2.3" |
| 2571 | Short S4 Mini | 2.76" | 2.76" | 1.5" | 2.3" |
| 2455 | PAR 16 | 2 7/8" | 2 7/8" | 2" | 2" |
| 2456 | PAR 20 | 3 1/4" | 3 1/4" | 2 1/2" | 2 1/2" |
| 2457 | 3" Fresnel | 3 3/4" | 3 3/4" | 3" | 3" |
| 2454 | 3 1/2" Ellipsoidal | 4 1/8" | 4 1/8" | 3 1/2" | 3 1/2" |
| NEW 2612 | ColorSource Spot Jr. Top Hat | 5.45" | 5.45" | 4.0" | 4.1" |
| 2590 | D-22 | 5.55" | 5.55" | 3" | 4.95" |
| 2450 | S4, SL, SH, PC* | 6 1/4" | 6 1/4" | 5" | 5" |
| 2440 | Short S4, SL, SH, PC* | 6 1/4" | 6 1/4" | 3" | 5" |
| NEW 2746 | Martin Rush PAR 2 Zoom | 6.38" | 6.38" | 2.99" | 5.5" |
| 2400 | 6" Ellipsoidal | 7 1/2" | 7 1/2" | 6" | 6" |
| 2480 | S4 PAR** | 7 1/2" | 7 1/2" | 6" | 6 3/4" |
| 2481 | Short S4 PAR** | 7 1/2" | 7 1/2" | 3" | 6 3/4" |
| 2490 | S4 PAR Round Frame** | 7 1/2" | 7 1/2" | 6" | 6 3/4" |
| 2491 | Short S4 PAR Round Frame ** | 7 1/2" | 7 1/2" | 3" | 6 3/4" |
| 2453 | PAR 64 (Altman and L&E) | 10" | 10" | 8" | 8" |
| NEW 2445 | Short PAR 64 (Altman & L&E) | 10" | 10" | 3" | 8" |
| 2521 | Altman AP150 | 7.875" | 8.25" | 3" | 7.11" |
| 2580 | D-60 | 8 7/8" | 8 7/8" | 6" | 8" |
| 2581 | D-60 short | 8 7/8" | 8 7/8" | 3" | 8" |
| 2550 | Selador 11" | 10 5/8" | 5 1/16" | 4 3/4" | |
| 2452 | S4 10°, SL 10° | 12" | 12" | 10" | 10" |
| 2448 | Short S4 10°, SL 10° | 12" | 12" | 5" | 10" |
| NEW 2451 | S4 5° | 14" | 14" | 12" | 12" |
| 2458 | SL 5° | 16" | 16" | 14" | 14" |
| 2459 | 17.5" | 17 1/2" | 17 1/2" | 15 1/2" | 15 1/2" |
| 2402 | 125mm | 125mm | 125mm | 100mm | 100mm |
| 2404 | 185mm | 185mm | 185mm | 150mm | 150mm |
| 2406 | 245mm | 245mm | 245mm | 205mm | 205mm |



Standard Top Hat (P/N 2480) for ETC's Source 4 PAR



* Source Four, Strand SL, Shakespeare, and Pacific ellipsoidals (19-50°)

** These accessories can also be used with S4 PARNel, S4 Zoom fixtures, S4 14°, and ETC D-40.

Note: We do not recommend the use of 5" long accessories in 50° lens tubes. We do not recommend the use of any accessories in 70° or 90° lens tubes. Extreme loss of light will occur.

Standard Half Top Hats



Half Top Hats mask the beam on one side, and allow max light output on the other side. They have a black flocked interior.

| PART NUMBER | NAME | A | B | C | D |
|--------------------------|----------------------------|---------|---------|---------|---------|
| 2572 | S4 Mini | 2.76" | 2.76" | 2.3" | 2.3" |
| 2573 | Short S4 Mini | 2.76" | 2.76" | 1.5" | 2.3" |
| 2465 | PAR 16 | 2 7/8" | 2 7/8" | 2" | 2" |
| 2466 | PAR 20 | 3 1/4" | 3 1/4" | 2 1/2" | 2 1/2" |
| 2467 | 3" Fresnel | 3 3/4" | 3 3/4" | 3" | 3" |
| 2464 | 3 1/2" Ellipsoidal | 4 1/8" | 4 1/8" | 3 1/2" | 3 1/2" |
| NEW 2614 | ColorSource Spot Jr. | 5.45" | 5.45" | 4" | 4.1" |
| 2591 | D-22 | 5.55" | 5.55" | 3" | 4.95" |
| NEW 120-000010-03 | ColorBlast 6, White | 5 5/8" | 4 5/8" | 3" | |
| NEW 120-000010-04 | ColorBlast 6, Black | 5 5/8" | 4 5/8" | 3" | |
| 2460 | S4, SL, SH, PC* | 6 1/4" | 6 1/4" | 5" | 5" |
| 2441 | Short S4, SL, SH, PC* | 6 1/4" | 6 1/4" | 3" | 5" |
| 2420 | 6" Ellipsoidal | 7 1/2" | 7 1/2" | 6" | 6" |
| 2482 | S4 PAR** | 7 1/2" | 7 1/2" | 6" | 6 3/4" |
| 2482S | Short S4 Par | 7 1/2" | 7 1/2" | 3" | 6 3/4" |
| 2492 | S4 PAR Round Frame** | 7 1/2" | 7 1/2" | 6" | 6 3/4" |
| NEW 2522 | Altman AP150 | 7.785" | 8.25" | 3" | 7.11" |
| 2582 | D-60 | 8 7/8" | 8 7/8" | 6" | 8" |
| NEW 2463S | Short PAR 64 (Altman, L&E) | 10" | 24" | 24" | 10" |
| 2463 | PAR 64 (Altman and L&E) | 10" | 10" | 8" | 8" |
| 2462 | S4 10°, SL 10° | 12" | 12" | 10" | 10" |
| NEW 120-000009-03 | ColorBlast 12, White | 12 1/2" | 5 3/8" | 3" | |
| NEW 120-000009-04 | ColorBlast 12, Black | 12 1/2" | 5 3/8" | 3" | |
| 2461 | S4 5° | 14" | 14" | 12" | 12" |
| 2468 | SL 5° | 16" | 16" | 14" | 14" |
| NEW 2469 | 17.5" | 17 1/2" | 17 1/2" | 15 1/2" | 15 1/2" |
| 2442 | 125mm | 125mm | 125mm | 100mm | 100mm |
| 2444 | 185mm | 185mm | 185mm | 150mm | 150mm |
| 2541 | Kreios FL 60w and FLx 90w | 239mm | 239mm | 108mm | 156mm |
| 2446 | 245mm | 245mm | 245mm | 205mm | 205mm |



Standard Half Top Hat (P/N 2482) for ETC's Source 4 PAR

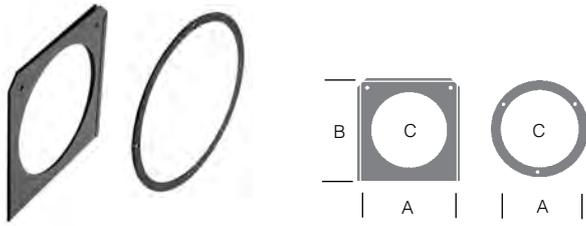


* Source Four, Strand SL, Shakespeare, and Pacific ellipsoidals (19-50°)

** These accessories can also be used with S4 PARnel, S4 Zoom fixtures, S4 14°, and ETC D-40.

Note: We do not recommend the use of 5" long accessories in 50° lens tubes. We do not recommend the use of any accessories in 70° or 90° lens tubes. Extreme loss of light will occur.

Colour Frames



- Fabricated from durable cold rolled steel with hemmed edges
- Tough black powder coated finish
- Round style S4PAR units are available for architectural use

| PART NUMBER | NAME | A | B | C |
|-----------------|----------------------------|----------|---------|---------|
| 2319 | MiniStrip (rect opening) | 4 11/16" | 3 5/16" | — |
| NEW 2320 | R40 | 5 3/4" | 6 3/4" | 5" |
| 2616 | ColorSource Spot Jr. | 5.45" | 5.45" | 4.06" |
| 2593 | D-22 | 5.55" | 5.55" | 3" |
| 2350 | S4, SL, SH, PC* | 6 1/4" | 6 1/4" | 5" |
| 2350A | S4, SL, SH, PC*, Aluminium | 6 1/4" | 6 1/4" | 5" |
| NEW 2742 | Martin MAC Rush PAR 2 | 6.38" | 6.38" | — |
| 2300 | 6" Ellipsoidal | 7 1/2" | 7 1/2" | 6" |
| 2487 | S4 PAR** | 7 1/2" | 7 1/2" | 6 3/4" |
| 2497 | S4 PAR** (Round) | 7 1/2" | 7 1/2" | 6 3/4" |
| NEW 2323 | Altman AP150 | 7.875" | 8.25" | 7.25" |
| 2321 | City Ground Cyc | 8 3/4" | 13" | — |
| 2322 | PAR 64 | 10" | 10" | 8" |
| 2328 | S4 10°, SL 10° | 12" | 12" | 10" |
| 2329 | S4 5° | 14" | 14" | 12" |
| 2330 | City Sky Cyc | 15 1/2" | 15 7/8" | — |
| 2338 | City Far Cyc | 14 3/4" | 15 1/2" | — |
| 2348 | SL5° | 16" | 16" | 14" |
| NEW 2331 | 17.5" | 17 1/2" | 17 1/2" | 15 1/2" |
| 2302 | 125mm | 125mm | 125mm | 100mm |
| 2304 | 185mm | 185mm | 185mm | 150mm |
| 2306 | 245mm | 245mm | 245mm | 205mm |

* Source Four, Strand SL, Shakespeare and Pacific ellipsoidals (19-50°)

** These accessories can also be used with S4 PARNel, 14" Zoom Fixtures, S4 14" and, ETC D-40

Note: The Mainframes fiber material is flameproof and will not burn, but some hot lights will cause it to dry and crack. Best performance is with hard edge ellipsoidals like Source Four.

Mainframes®



- Lightweight, flameproof, gray fiberboard colour frames
- Simple, safe, and inexpensive
- Secures with a single heavy-duty staple
- Available in a wide range of sizes

| PART NUMBER | NAME | A | B | C |
|-------------|------------------------------|----------|---------|--------|
| 2352 | "Inkie" | 3 3/4" | 3 3/4" | 3" |
| 2358 | "Mini Strip" (2 hole style) | 4 11/16" | 3 5/16" | — |
| 2359 | "Mini Strip" (rect. opening) | 4 11/16" | 3 5/16" | — |
| 2360 | Zip Strip | 4 3/4" | 4 3/8" | — |
| 2362 | R40 | 5 3/4" | 6 3/4" | 5" |
| 2364 | S4, SL, SH, PC* | 6 1/4" | 6 1/4" | 5" |
| 2366 | 6" Ellipsoidal | 7 1/2" | 7 1/2" | 6" |
| 2367 | Source Four™ PAR** | 7 1/2" | 7 1/2" | 6 3/4" |
| 2376 | PAR 64 | 10" | 10" | 8" |
| 2382 | 10° Source Four™ | 12" | 12" | 10" |
| 2383 | 5° Source Four™ | 14" | 14" | 12" |
| 2385 | 100 mm | 100mm | 100mm | 80mm |
| 2387 | 125mm | 125mm | 125mm | 100mm |
| 2389 | 150mm | 150mm | 150mm | 125mm |
| 2391 | 185mm | 185mm | 185mm | 150mm |
| 2393 | 230mm | 230mm | 230mm | 165mm |
| 2395 | 245mm | 245mm | 245mm | 205mm |



Holders for Glass Gobos



| Part Number | 2171 | 2170 | 2173 | 2178 | 2172 | 2175 | 2166 | 2146 |
|-----------------|--------------------|----------|-------------------------------|------------------------------|--------------------|------------|----------------------|---------|
| Name | S4 "A" (iris slot) | S4 "B" | S4 86mm OD glass* (gobo slot) | S4 86mm OD Glass (iris slot) | S4 "B" (iris slot) | S4 Jr. "M" | S4 Jr. "M" Iris Slot | SL "B" |
| A | 4 11/16" | 3 11/16" | 3 11/16" | 4 11/16" | 4 11/16" | 2 11/16" | 3 1/8" | 4 3/16" |
| B | 3 3/16" | 2 3/4" | 2 3/4" | 2 3/4" | 2 3/4" | 2 5/32" | 1 5/8" | 2 3/4" |
| GLASS OD | 100mm | 82mm | 86mm | 86mm | 82mm | 66mm | 48mm | 82mm |

| Part Number | 2147 | 2115 | 2105 | 2130 | 2140 | 2051 | 2061 |
|-----------------|-------------------|--------------------------------|-----------------------|-------------------|------------------|---------------------------|---------------|
| Name | SL 86mm OD glass* | Selecon Pacific 86mm OD glass* | Selecon Acclaim Axial | 360Q/ Shakespeare | SL "B" Old Style | S4 "A" Tabbed (Iris Slot) | S4 "B" Tabbed |
| A | 4 3/16" | 4 1/2" | 3 3/4" | 3 5/16" | 3 1/2" | 4 11/16" | 3 11/16" |
| B | 2 3/4" | 2 27/32" | 2 1/8" | 2 3/4" | 3" | 3 3/16" | 2 3/4" |
| GLASS OD | 86mm | 86mm | 66mm | 82mm | 82mm | | |

Holders for Metal Gobos

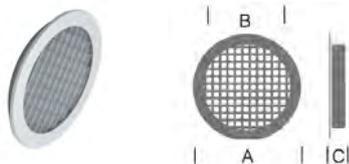
- Large heat resistant ring pulls
- Aluminium construction acts as a heat sink to minimise pattern warpage



| Part Number | 2150 | 2160 | 2165 | 2144 | 2114 | 2120 | 2190 | 2106 | 2050 | 2060 |
|-------------|----------|----------|------------|---------|---------------------|-------------------|--------------------------------|-----------------------|---------------|---------------|
| Name | S4 "A" | S4 "B" | S4 Jr. "M" | SL "B" | Selecon Pacific "B" | 360Q/ Shakespeare | Colourtran Style (5/50 Series) | Selecon Acclaim Axial | S4 "A" Tabbed | S4 "B" Tabbed |
| A | 3 11/16" | 3 11/16" | 2 11/16" | 4 3/16" | 4 1/2" | 3 5/16" | 4" | 3 3/4" | 3 11/16" | 3 11/16" |
| B | 3 3/16" | 2 3/4" | 2 5/32" | 2 3/4" | 2 3/4" | 2 3/4" | 3 1/16" | 2 1/8" | 3 3/16" | 2 3/4" |

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Egg Crate Louvers

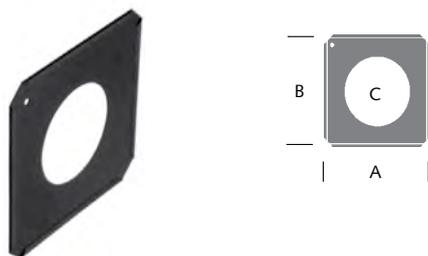


Egg Crate Louvers serve a similar function to a Top Hat, but do so in only 1/2" of depth. A 45 degree cut-off is obtained by using cells that are 1/2" x 1/2", by 1/2" deep. Egg Crate Louvers give a sleek appearance to the lighting fixture while providing good beam control.

| PART NUMBER | NAME | A | B | C |
|-----------------|----------------|---------|--------|--------|
| 2592 | D-22 | 5.55" | 4.69" | 5/16" |
| 2499 | S4 Ellipsoidal | 6 1/4" | 6 1/4" | 1/2" |
| 2485 | S4 PAR* | 7 1/2" | 7 1/2" | 1/2" |
| NEW 2536 | Altman AP150 | 7.875" | 6.70" | 0.520" |
| 2585 | D-60 | 8 7/8" | 7 3/4" | 1/2" |
| 2552 | Selador 11" | 10 5/8" | 6 1/4" | 1/2" |
| 2486 | 185mm | 185mm | 185mm | 13mm |

*Fits D-40

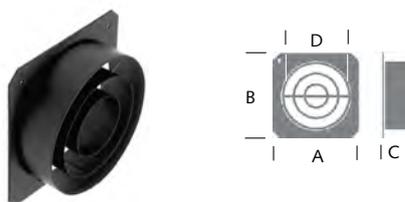
Donuts



Donuts are used to help bring templates into perfect sharpness. They are fabricated from light gauge steel, with a durable black powder coated finish.

| PART NUMBER | NAME | A | B | C |
|-----------------|--|---------|---------|---------|
| 2575 | S4 Mini | 2.76" | 2.76" | 2.3" |
| NEW 2618 | ColorSource Spot Jr. Donut | 5.45" | 5.45" | 1.97" |
| 2250 | S4, SL, SH, PC* (3 3/16" centre hole) | 6 1/4" | 6 1/4" | 3 3/16" |
| 2260 | S4, SL, SH, PC* (2 1/2" centre hole) ** | 6 1/4" | 6 1/4" | 2 1/2" |
| 2200 | 6" Ellipsoidal, S4 Zoom | 7 1/2" | 7 1/2" | 3" |
| NEW 2201 | 7.5", w/ 2.5" Aperture | 7 1/2" | 7 1/2" | 2 1/2" |
| NEW 2202 | 7.5", w/ 3.5" Aperture | 7 1/2" | 7 1/2" | 3 1/2" |
| NEW 2218 | 10" Donut | 10" | 10" | 4" |
| 2252 | S4 10°, SL 10° | 12" | 12" | 6" |
| 2251 | S4 5° | 14" | 14" | 7" |
| 2258 | SL 5° | 16" | 16" | 7" |
| NEW 2259 | 17.5" Donut | 17 1/2" | 17 1/2" | 10" |
| 2208 | 125mm | 125mm | 125mm | 81mm |
| 2210 | 185mm | 185mm | 185mm | 81mm |

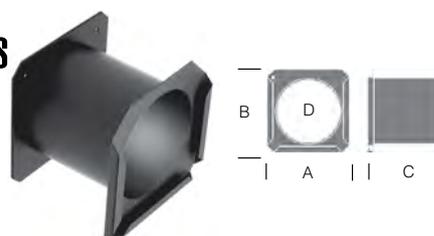
Concentric Rings



- Offers full control of stray beams and spill
- Fabricated from light gauge steel with hemmed edges
- Comparable function to a full 6 inch Top Hat
- Black powder coated finish

| PART NUMBER | NAME | A | B | C |
|-------------|--------|--------|--------|------|
| 2484 | S4 PAR | 7 1/2" | 7 1/2" | 2" |
| 2493 | PAR 64 | 10" | 10" | 2" |
| 2494 | 185mm | 185mm | 185mm | 51mm |

Colour Extenders



- Saves both time and aggravation by preventing gel burnout
- Fabricated from durable cold rolled steel with hemmed edges
- Gel materials are placed in slot at front of unit, forward of the fixture's focal plane
- Available in white, see page 52 for information

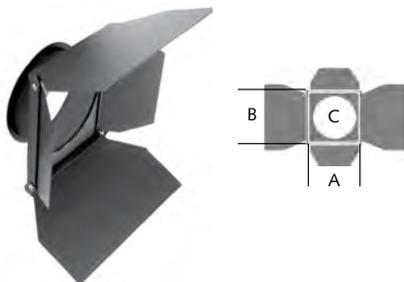
| PART NUMBER | NAME | A | B | C |
|-------------|----------------------------|--------|--------|-------|
| 2470 | S4, SL, SH, PC* | 6 1/4" | 6 1/4" | 5" |
| 2471 | Short S4, SL, SH, PC* | 6 1/4" | 6 1/4" | 3" |
| 2410 | 6" Ellipsoidal | 7 1/2" | 7 1/2" | 6" |
| 2430 | Short 6" Ellipsoidal | 7 1/2" | 7 1/2" | 3" |
| 2483 | S4 PAR** | 7 1/2" | 7 1/2" | 6" |
| 2483A | Short S4 PAR** | 7 1/2" | 7 1/2" | 3" |
| 2473 | PAR 64 (Altman and L&E) | 10" | 10" | 5" |
| 2474 | 125mm | 125mm | 125mm | 76mm |
| 2476 | 185mm | 185mm | 185mm | 127mm |
| 2478 | 245mm | 245mm | 245mm | 127mm |

* Source Four, Strand SL, Shakespeare, and Pacific ellipsoidals (19-50°)

** These accessories can also be used with S4 PARNel, S4 Zoom fixtures, and S4 14°.

Note: We do not recommend the use of 5" long accessories in 50° lens tubes. We do not recommend the use of any accessories in 70° or 90° lens tubes. Extreme loss of light will occur.

Barndoors

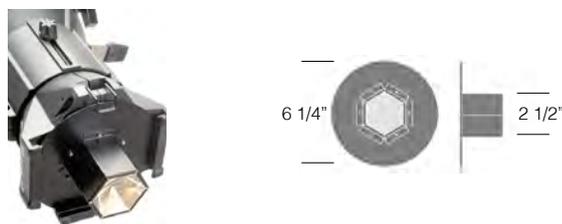


Barndoors provide adjustable beam control. Movable doors can be set to cut off stray beams where needed, such as off of scenery or projection screens.

| PART NUMBER | NAME | A | B | C |
|-----------------|----------------------------|---------|---------|---------|
| 2230 | Gantom DMX FL | 1 1/4" | 1 1/4" | 3/4" |
| 2240 | Gantom Precision Z | 1 1/4" | 1 1/4" | 3/4" |
| 2220 | Gantom 1 | 2 1/2" | 2 1/2" | 1 3/4" |
| 2574 | S4 Mini, Black | 2.76" | 2.76" | 2" |
| 2599 | D-22 | 5.55" | 5.55" | 4.95" |
| 2488 | S4 PAR/PARNeI* | 7 1/2" | 7 1/2" | 6 3/4" |
| 2488S | S4 PAR/PARNeI (short) | 7 1/2" | 7 1/2" | 6 3/4" |
| 2568 | S4 Fresnel 8 Leaf | 7 1/2" | 7 1/2" | 6 3/4" |
| NEW 2561 | Altman AP150 | 7.88" | 7.88" | 7.18" |
| 2500 | 6 1/4" | 6 1/4" | 6 1/4" | 5 1/4" |
| 2588 | D-60 | 8 7/8" | 8 7/8" | 8" |
| NEW 2496 | 10" | 8 7/8" | 8 7/8" | 8" |
| 2554 | Selador 11" | 10 5/8" | 4 1/16" | — |
| 2542 | KREIOS® FL 60W and FLx 90W | 12" | 9.5" | 10" |
| 510 or 510C | Philips SL Nitro | 18 1/4" | 3 1/4" | 14 1.2" |
| 2489 | 185mm | 185mm | 185mm | 171mm |

*Fits D-40

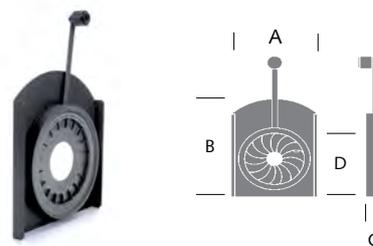
Image Multiplexer™



The Image Multiplexer expands and multiplies gobo images from standard stage lighting instruments. It is a lens accessory which drops into the colour frame slot.

| PART NUMBER | NAME |
|-------------|-------------------|
| 1450 | Image Multiplexer |

Drop In Iris



- Offers precise, smooth control of beam size
- Specially made leaves are tempered and heat resistant to over 1000°F
- CTI Irises carry a limited lifetime warranty (See website for details)

| PART NUMBER | NAME | A | B | C | D |
|-------------|----------------------|----------|---------|------|---------|
| 2185 | Source Four Jr. Iris | 3 1/8" | 4 9/32" | 1/2" | 2 5/16" |
| 2186 | Strand SL Iris | 4 3/16" | 5 3/16" | 1/2" | 3" |
| 2180 | Source Four Iris | 4 25/32" | 5 7/16" | 1/2" | 3" |

Adapter



6 1/4" to 7 1/2" unit allows use of 7 1/2" accessories (colour wheels, scrollers, etc.) with Source Four™ fixtures. The 7 1/2" to 6 1/4" allows the use of 6 1/4" S4 accessories with 7 1/2" fixture.

| PART NUMBER | NAME |
|-------------|--------------------------|
| 1251 | 6 1/4" to 7 1/2" Adapter |
| 1252 | 7 1/2" to 6 1/4" Adapter |

Source Four PAR Cross Baffle Top Hat



Provides 45° cut off in architectural installations.

| PART NUMBER | NAME | A | B | C |
|-------------|-----------------------------|--------|----|--------|
| 2495 | S4 PAR Cross Baffle Top Hat | 7 1/2" | 3" | 6 3/4" |

Martin® Accessories

| PART NUMBER | NAME | |
|---------------------|---|---|
| 2757 | MAC 700 Profile Top Hat |  |
| 2758 | MAC 700 Wash Top Hat |  |
| 2760 | MAC 2000 Top Hat (fits Performance and Profile) |  |
| 2762 | MAC 2000 Wash Top Hat |  |
| 2770 | MAC 2000 Sound Baffle (Per pair, one pair required per fixture) |  |
| 2785 | MAC Atomic 3000 Strobe Barndoor |  |
| 2791 | MAC Aura Concentric Ring |  |
| 2793 | MAC Aura Egg Crate |  |
| 2792 | MAC Aura Top Hat |  |
| 104-00117 | MAC Aura Mount Kit, including 4 clips and 4 screws |  |
| NEW 2786 | MAC Aura PXL Top Hat |  |
| NEW 2787 | MAC Aura PXL Hexcel Louver |  |
| NEW 2788 | MAC Aura PXL Concentric Ring |  |
| NEW 27880001 | MAC Aura PXL Mount Kit, including 3 clips and 3 screws |  |

| PART NUMBER | NAME | |
|-----------------|-----------------------------------|---|
| NEW 2798 | MAC Aura XIP Top Hat |  |
| NEW 2797 | MAC Aura XIP Hexcel Louver |  |
| NEW 2796 | MAC Aura XIP Concentric Ring |  |
| 2790 | MAC III Follow Spot Handle |  |
| NEW 2778 | MAC Encore Performance Top Hat |  |
| NEW 2779 | MAC Encore Wash Top Hat |  |
| 2794 | MAC Quantum Wash Hexcel Louver |  |
| 2795 | MAC Quantum Wash Concentric Ring |  |
| 2744 | MAC Rush MH6 Top Hat |  |
| 2782 | MAC TW1 Color Frame |  |
| 2783 | MAC TW1 Louver |  |
| 2780 | MAC TW1 Top Hat |  |
| 2772 | MAC Viper Performance Top Hat |  |
| 2774 | MAC Viper Wash DX Top Hat |  |
| 2775 | MAC Viper Wash DX Concentric Ring |  |
| 2776 | MAC Viper Wash DX Hexcel Louver |  |

CHAUVET Accessories

| PART NUMBER | NAME | |
|-----------------|---|---|
| 2670 | CHAUVET Rogue R2 Wash Top Hat |  |
| NEW 2672 | CHAUVET Maverick MK3 Profile Follow Spot Handle Kit |  |

ETC® and High End Systems Accessories

| PART NUMBER | NAME | |
|----------------------|--|---|
| 2700 | ETC Releve Spot Top Hat |  |
| 2710 | High End Systems Solaframe 1000 Top Hat |  |
| NEW 2720 | Top Hat for High End Halcyon Gold |  |
| NEW 2725 | Top Hat for High End Halcyon Titanium |  |
| NEW 104-00792 | Screw Kit for Top Hats for High End Halcyon fixtures |  |

GLP X4® Accessories

| PART NUMBER | NAME | |
|-----------------|--------------------------|---|
| 6375 | GLP X4 Concentric Ring |  |
| 6376 | GLP X4L Concentric Ring |  |
| 6377 | GLP X4XL Concentric Ring |  |
| NEW 6380 | GLP X4XL Hexcel Louver |  |

Vari-Lite® Accessories

| PART NUMBER | NAME | |
|-------------|---|---|
| 2645 | VL5 Full Concentric Ring |  |
| 2698 | VL500/1000 Floor Stand |  |
| 2650 | VL2000,VL2500 Top Hat |  |
| 2650 WIDE | VL2000,VL2500 Wide Top Hat |  |
| 2652 | VL3000 Spot, VL3000 Wash, and VL3500 Spot Top Hat |  |
| 2654 | VL3000 Wash Concentric Ring |  |
| 2653 | VL3500 Wash Top Hat |  |
| 2661 | VLX Louver |  |
| 2660 | VLX Top Hat |  |

We can make Beam Shaping Accessories for any lighting fixture.

Call us and we can help you solve your lighting challenges.

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Source Four Follow Spot Yoke



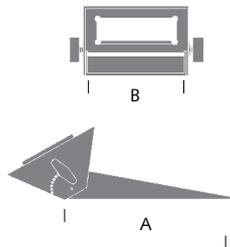
Create your own follow spot with pan and tilt movement as smooth as the world's best follow spots and the tungsten colour temperature that many designers prefer, or use the Source Four LED Ellipsoidals.

- Our #1500 is specifically designed to mount Source Fours® without springs or counterweights and was designed for Broadway and West End shows and tours of *Wicked*
- Fits Source Four 5° to 50° (not Zoom units)
- Perfectly adjusts balance without counterweights
- Pan and tilt bearings for smooth action
- Many accessories available

NEW

| PART NUMBER | NAME |
|-------------|--|
| 1501 | Follow Spot Yoke for Source Four, EU Version, Includes pan bearing |
| 1503 | Follow Spot Yoke for Source Four LED, EU Version, Includes pan bearing |
| 1507 | Follow Spot Yoke for Source Four LED Series 3, EU Version |
| 1515 | Follow Spot Yoke for Chauvet Ovation |
| 1505 | Source Four to Source Four Series 2 LED Retrofit Kit |

Beam Bender



- Attaches easily to any 6 1/4" Source Four®, Strand SL™, Shakespeare™, or Selecon Pacific™ ellipsoidal
- Ideal for shooting around scenery or other obstruction
- Adjustable mirror for controlling angle and spread of beam
- Especially useful for dance designers needing maximum light output at floor level

| P/N | NAME | A | B |
|----------|-----------------------------------|---------|---------|
| 1402 | Beam Bender S4 Mini | 5 1/2" | 3 1/16" |
| 1400 | Beam Bender 6 1/4" | 12" | 7" |
| 1403 | Beam Bender ColorSource Spot Jr. | 12" | 7" |
| NEW 1405 | Beam Bender Altman Phoenix 6 1/4" | 12" | 7" |
| 1401 | Beam Bender 7 1/2" * | 14 3/4" | 8 1/2" |

* The Beam Bender 7 1/2" does not fit into XDLT lenses for Source Four LED Series 3

Blacktak™ Light Mask Foil



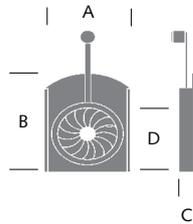
- Uses include: masking light spill, creating shadows, forming Barndoors, adapting gobos, and as a high temp tape
- High temperature adhesive is heat resistant
- Can be repositioned without leaving residue

| PART NUMBER | NAME |
|-------------|--------------------|
| 3600 | Blacktak 2" x 75' |
| 3624 | Blacktak 24" x 15' |

Follow Spot Drop In Iris



- Offers precise, smooth control of beam size
- Specially made leaves are tempered and heat resistant to over 1000°F



| PART NUMBER | NAME | A | B | C | D |
|-------------|------------------|----------|---------|------|----|
| 2180 | Source Four Iris | 4 25/32" | 5 7/16" | 1/2" | 3" |

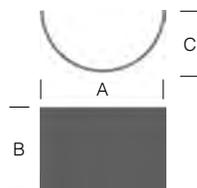
Follow Spot Pan Bearing



- Use this to make any lighting fixture into a follow spot
- Large pan bearing for smooth action

| PART NUMBER | NAME |
|-------------|-------------|
| 1510 | Pan Bearing |

Lighting Shield



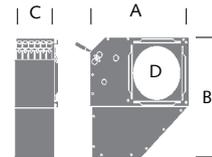
This half cylinder shield hides your floor mounted units

| PART NUMBER | NAME | A | B | C |
|-------------|--------------------------|-----|-----|------|
| 6371 | Lighting Shield - Black | 24" | 12" | 12"R |
| 6371W | Lighting Shield - White | 24" | 12" | 12"R |
| 6371S | Lighting Shield - Silver | 24" | 12" | 12"R |
| 6370 | Lighting Shield - Black | 24" | 16" | 12"R |
| 6370W | Lighting Shield - White | 24" | 16" | 12"R |

Follow Spot Drop In Boomerang



- Holds six colours
- Reversible for either right or left handed operation
- Fits Source Four, Strand SL, Shakespeare or, Selecon Pacific ellipsoidals
- Boomerang handle perfectly balances Drop-in Boomerang



| PART NUMBER | NAME | A | B | C | D |
|-------------|--------------------------|---------|-----|----|--------|
| 1410 | Drop-in Boomerang 6 1/4" | 11" | 11" | 4" | 5 1/2" |
| 1411 | Drop-In Boomerang 7 1/2" | 13 3/4" | 13" | 5" | 6 1/2" |
| 1415 | Boomerang Handle | | | | |

Follow Spot Handle



- Allows operator to easily control fixture movement
- Source Four handle attaches to the rear of the fixture by means of a clamp screw

| PART NUMBER | NAME |
|-----------------|--|
| 1360 | Follow Spot Handle, Source Four |
| 1522 | Follow Spot Handle, Source Four Series 1 or Series 2 LED |
| NEW 1519 | Follow Spot Handle, Source Four Series 3 LED |

Follow Spot Yoke Handle



- Yoke handle screws into existing 5/16" side mounting hole, or can be attached to the lens tube of a 5° or 10° S4

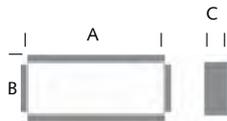
| PART NUMBER | NAME |
|-------------|-------------------------|
| 1520 | Follow Spot Yoke Handle |

Chroma-Q Color Force/Studio Force and Philips Color Kinetics® Accessories

Top Hats



Control light spill and decrease viewing angle to lens.

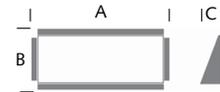


| PART NUMBER | NAME | A | B | C |
|---------------|---------------------------------|---------|--------|----|
| 120-000006-04 | Top Hat, ColorBlast 6, Black * | 4 5/8" | 4 5/8" | 3" |
| 120-000006-03 | Top Hat, ColorBlast 6, White * | 5 5/8" | 4 5/8" | 3" |
| 120-000005-03 | Top Hat, ColorBlast 12, White * | 12 1/2" | 5 1/4" | 3" |
| 120-000005-04 | Top Hat, ColorBlast 12, Black * | 12 1/2" | 5 1/4" | 3" |

Half Top Hats

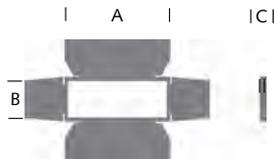


Control light spill and decrease viewing angle to lens.



| PART NUMBER | NAME | A | B | C |
|---------------|--------------------------------------|---------|--------|---------------------|
| 120-000010-03 | Half Top Hat, ColorBlast 6, White * | 5 5/8" | 4 5/8" | 3" tapering to 1/2" |
| 120-000010-04 | Half Top Hat, ColorBlast 6, Black * | 5 5/8" | 4 5/8" | 3" tapering to 1/2" |
| 120-000009-03 | Half Top Hat, ColorBlast 12, White * | 12 1/2" | 5 1/4" | 3" tapering to 1/2" |
| 120-000009-04 | Half Top Hat, ColorBlast 12, Black * | 12 1/2" | 5 1/4" | 3" tapering to 1/2" |

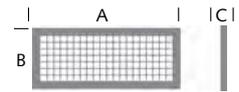
Barndoors



Barndoors provide adjustable beam control. Movable doors can be set to cut off stray beams where needed, such as off of scenery or projection screens.

| PART NUMBER | NAME | A | B | C |
|---------------|----------------------------------|---------|--------|----|
| 120-000020-03 | Barndoor, ColorBlast 6, White * | 10 1/4" | 6 1/4" | 1" |
| 120-000020-04 | Barndoor, ColorBlast 6, Black * | 10 1/4" | 6 1/4" | 1" |
| 120-000019-03 | Barndoor, ColorBlast 12, White * | 16 1/2" | 6 1/4" | 1" |
| 120-000019-04 | Barndoor, ColorBlast 12, Black * | 16 1/2" | 6 1/4" | 1" |

Egg Crate Louvers



Controls light spill and provides 45 degree cutoff.

| PART NUMBER | NAME | A | B | C |
|---------------|---|---------|--------|------|
| 120-000016-03 | Egg Crate Louver for ColorBlast 6, White * | 5 5/8" | 4 5/8" | 1/2" |
| 120-000016-04 | Egg Crate Louver for ColorBlast 6, Black * | 5 5/8" | 4 5/8" | 1/2" |
| 120-000015-03 | Egg Crate Louver for ColorBlast 12, White * | 12 1/2" | 5 1/4" | 1/2" |
| 120-000015-04 | Egg Crate Louver for ColorBlast 12, Black * | 12 1/2" | 5 1/4" | 1/2" |

* Also fits A.C. Lighting Color Force / Studio Force



Safer Sidearm Original
(P/N 200)

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10" Boom Base



- 6 lb fixture base for use on floor or table
- 1/2" tapped centre hole for fixture mounting
- Black finish
- Includes bolt and washer

| PART NUMBER | NAME |
|-------------|---------------|
| 4300 | 10" Boom Base |

C-Clip Truss Protector™



- Designed to protect expensive truss from damage caused by fixture clamps
- Provides a sacrificial barrier that absorbs indentations, snaps onto 2" members, and is easy to remove

| PART NUMBER | NAME |
|-------------|--|
| 1370 | C-Clip Truss Protector 2" (50mm) White |
| 1371 | C-Clip Truss Protector 2" (50mm) Black |

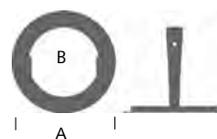
Cable Hook



- Designed to help manage and support multi-cable runs with truss systems
- Lightweight aluminium construction
- Fits 1 1/2" to 2" truss pipe

| PART NUMBER | NAME |
|-------------|------------|
| 1330 | Cable Hook |

Ceiling Port for Source Four PAR or D-40



- Mount a Source Four Par or D-40 above a fixed ceiling
- Manually focusable in both pan and tilt
- Includes trim ring

| PART NUMBER | NAME | A | B |
|-------------|--|-----|----|
| 1470 | Ceiling Mount for Source Four PAR or D-40 | 13" | 9" |
| 1470W | Ceiling Mount for Source Four PAR or D-40, White (Built to order, 2 week delivery) | 13" | 9" |

ETC S4 LED Cyc Base



- Folds to 1 1/4" flat for storage
- Allows fixture to pivot 25°

| PART NUMBER | NAME |
|-------------|---------------------|
| 4305 | ETC S4 LED Cyc Base |

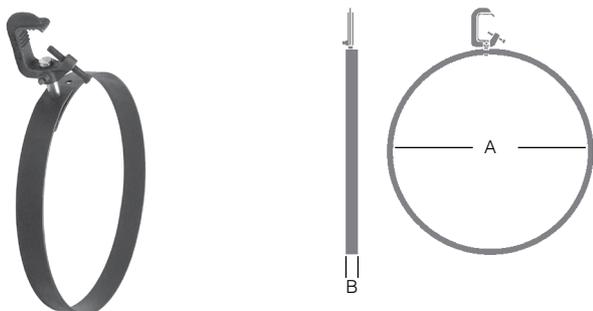
Projector Hanger



Used to hang projection equipment from a vertical pipe, the hanger allows for easy removal and replacement of projectors without having to unscrew the pipe coupling.

| PART NUMBER | NAME |
|-------------|------------------|
| 1140 | Projector Hanger |

Scenery Bumper



- 18" diameter ring attaches to fixture pipe with included C-clamp
- Protects fixtures from flying drops and passing scenery
- Saves refocusing time
- Includes C-clamp
- 3/16" steel construction, weight 8 lbs.

| PART NUMBER | NAME | A | B |
|-------------|----------------|-----|----|
| 1340 | Scenery Bumper | 18" | 2" |

Sliding Tee



- Slides onto 1/2" pipe on sidearms
- Cast iron
- Allows full X-Y axis focusing

| PART NUMBER | NAME |
|-------------|-------------|
| 1130 | Sliding Tee |

Vertical Extension Tubes

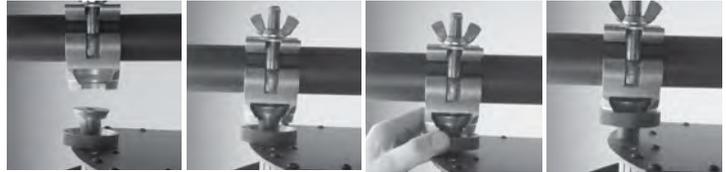


- A simple way to raise or lower a piece of equipment relative to the hanging position
- Compatible with C-clamps, Track Tamers™ or each other

| PART NUMBER | NAME |
|-------------|---|
| 090 | VET Adapter for Split Couplers (not pictured) |
| 091 | 6" VET  |
| 093 | 12" VET  |
| 095 | 24" VET  |

Moving Light Hangers™

City Theatrical Moving Light Hangers allow moving lights to be swapped out with the new light in absolutely the same place as the old one. The key to the design is a tapered alignment seat that locks dead on, removing all possible variation.



- Patented flexible Tee Slot System
- Allows the user to hang and register a moving light to a predictable position
- Allows for fast and easy replacement of moving lights
- No refocusing of moving lights required
- Call for custom variations

| PART NUMBER | NAME | | USAGE |
|-------------|-----------------------------------|---|--|
| 130 | Tee Slot |  | Hang from scenery |
| 137 | Tee Slot for Unistrut® |  | Hang from Unistrut |
| 138 | Tee Slot w/integral Split Coupler |  | Hang from pipe or truss |
| 135 | Tee Head with Knob |  | Attach to moving light or conventional fixture. Use with 130, 137, or 138 |



City Theatrical Track Tamers

Track Tamers™



Load-rated City Theatrical Track Tamers separate the lockdown of the track from the lockdown of the lighting fixture, making your job faster and safer.

Many lighting installations use Unistrut with Unistrut nuts, but Unistrut nuts are deficient when it comes to hanging lighting fixtures. To focus a lighting fixture, you must loosen the Unistrut nut and risk it popping out and leaving you with a lighting fixture in your arms at the top of a lift or ladder. City Theatrical Track Tamers were designed to overcome these problems. They have deep grooves that grip the track tightly to prevent it from coming out, and we separate the lockdown of the track from the lockdown of the lighting fixture.

Track Tamers are safer and faster than standard Unistrut hardware for hanging entertainment lighting fixtures. All City Theatrical Track Tamers are CE certified and RoHS compliant, and have a Safe Working Load (SWL) of 250 lbs. when used in straight down position.

| PART NUMBER | NAME | | USAGE |
|-------------|---|--|---|
| 520 | Track Tamer with Hex Nut |  | Hang equipment from Unistrut® |
| 520M | Track Tamer with Hex Nut (metric) |  | Hang equipment from Unistrut® |
| 521 | Track Tamer with Knob |  | Hang equipment from Unistrut® |
| 521M | Track Tamer with Knob (metric) |  | Hang equipment from Unistrut® |
| 523 | Track Tamer with Aluminium Split Coupler |  | Adapt Unistrut® to pipe |
| 525 | Track Tamer with Galvanized Clamp and Hex Nut |  | Adapt Unistrut® to pipe |
| 530 | Track Tamer with Hex Nut and 5/8" Male Pin |  | Hang film or video equipment from Unistrut® |
| 531 | Track Tamer with Knob and 5/8" Male Pin |  | Hang film or video equipment from Unistrut® |

Safer Sidearms™



Let's face it, standard theatrical sidearms are poorly designed. They're weak, can't support any downward pressure, and the C-clamp that they use is easily bent and damaged. City Theatrical Safer Sidearms eliminate all these problems by adding a strong diagonal brace that transfers force to the vertical boom pipe. These are beautifully engineered devices that will give you years of service. Safer Sidearms are CE certified and RoHS compliant.

| PART NUMBER | NAME | | SAFE WORKING LOAD (SWL) | USAGE |
|-------------|--|---|-------------------------|--|
| 200 | Safer Sidearm Original (uses ½" Schedule 40 steel pipe) |  | 50 lbs. | Safer Sidearm Originals (P/N 200, 202, and 204) are designed to replace the c-clamp on a standard sidearm. The units incorporate a half coupler and a vertical brace to create stability and are designed to transfer the weight load back to the structural pipe. |
| 202 | Safer Sidearm Original with 18" of ½" pipe and one sliding tee |  | | |
| 204 | Safer Sidearm Original with 24" of ½" pipe and two sliding tees |  | | |
| 210 | Steel Safer Sidearm (uses 1½" Schedule 40 steel pipe, not included) |  | 200 lbs. with 3' arm | Steel Safer Sidearms (P/N 210) are used to hang speakers or moving lights. |
| 210M | Better Boom Arm (uses 48mm aluminium tube, pipe not included) Europe only. |  | 100 lbs. with 3' arm | Better Boom Arm only (no pipe) P/N 210M is available in Europe only. |
| 220 | Safer Sidearm Junior (pipe not included) |  | 50 lbs. | Safer Sidearm Junior (P/N 220) augments a standard sidearm by adding a vertical brace to an existing sidearm. |
| 290 | Pipe End Tail Down (includes 6 feet of 1½" pipe) |  | 200 lbs. | Pipe End Tail Down (P/N 290) allows a pipe to be hung vertically and perpendicular to a horizontal theatre hanging position. It uses a double pipe clamp to attach to the structural pipe and comes with a six-foot piece of 1 ½" pipe and a 3/16" safety cable with shackle through the pipe. |



Custom welding hardware products at our facility in Carlstadt, New Jersey, USA.

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Custom Manufacturing

City Theatrical has a beautiful 40,000 square foot manufacturing facility in Carlstadt, New Jersey, USA, just across the Hudson River from midtown Manhattan. Our factory is filled with computerised production machinery and skilled product developers, fabricators, and assemblers. Besides our catalog products, we presently produce a wide range of custom parts for designers and end users in the entertainment and architectural industries.



Our in-house capabilities include:

- Sheet metal fabrication, including:
 - High volume stamping
 - Fiber Laser
 - CNC punching
 - Bending
 - Welding
- Metal spinning
- Powder coating
- Electromechanical assembly and testing
- 3D mechanical design
- LED Tape cutting and soldering
- Custom low voltage dimmer boxes for indoor and outdoor LED tape projects



Let us help solve your design challenges.

We offer fast turnaround production of custom parts and our City Theatrical guarantee of high quality with every order. Tell us more about your project and we will be happy to help come up with a custom solution to satisfy your project needs.

Submit your custom project requirements to:

sales@citytheatrical.com



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OEM Manufacturing

Customised Technology for Lighting Manufacturers

Have you considered adding wireless DMX or RDM to some of your products, or just consolidating some of your supply chain issues and getting them under one roof rather than many? City Theatrical has grown to be an experienced manufacturer with a very knowledgeable staff and extensive esoteric lighting experience.



Designed for OEM Partners

Multiverse Modules are best suited for lighting equipment manufacturers who are interested in adding wireless DMX to their products. Due to low cost, increased data transport, and ease of design integration, the Multiverse Module marks the first time that the implementation of a wireless DMX chip in every DMX device is possible.

Our custom OEM manufacturing capabilities include:

- Product design and development
- Software design including DMX and RDM
- Circuit design, development, and manufacturing (through-hole, SMT and mixed; all lead free)
- 3D mechanical design
- Automated wire cutting, stripping, and wire harness fabrication
- CE and ETL compliance
- Electromechanical assembly and testing
- Fast turnaround manufacturing
- Warehousing, packing, and shipping



Multiverse wireless DMX/RDM in ETC's fos/4 Panel

Warranty

City Theatrical, Inc. warrants to the original purchaser that the equipment offered will be free from defects in workmanship and material for a period of one year from date of purchase. During the warranty period, units will be repaired or replaced at the option of City Theatrical, Inc.

The warranty does not extend to any parts of the unit that have been subjected to misuse or accident. Neither does the warranty cover any product that has been modified or repaired at other than an authorised repair station. The warranty will not apply if procedures described in any Operations Manual are not followed.

This warranty does not include shipping to or from City Theatrical. Unless otherwise stipulated by law, all warranties, expressed or implied, are limited to the period of this warranty.

Customers requiring repair of their equipment should obtain an RMA# from City Theatrical. Equipment should be suitably packaged, including a note with the owner's name and address and a description of the reason for return. Ship package prepaid and insured. City Theatrical cannot be responsible for loss or damage in shipment.

UNLESS EXCLUSIONS ARE SPECIFICALLY FORBIDDEN BY LAW, CITY THEATRICAL SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM THE USE OR FAILURE OF THIS PRODUCT, INCLUDING INJURY TO PERSONS OR PROPERTY.

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