Unique Lighting Accessories

Product Catalog 2019

Multiverse®

CITY THEATRICAL
NEW YORK · LONDON

What's New?

Welcome to City Theatrical's 2019 Product Catalog!

We specialize in lighting accessories that make your backstage life 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 Customize" and we do that every day in our beautiful manufacturing facility in Carlstadt, New Jersey.

New for 2019 is our vision of the new lighting world, in which every DMX device contains a tiny, inexpensive, **Multiverse® Module**, and where legacy lighting products have a **Multiverse SHoW Baby** or **Multiverse Node** near them, allowing entire productions of hundreds of fixtures and dozens of universes to be operated wirelessly. The **Multiverse** family of revolutionary wireless DMX/RDM products, which also includes the **Multiverse Transmitter** and **Multiverse Gateway**, gives lighting users a new range of options for performing lighting tasks more easily than ever, while producing less disruptive radio energy.

QolorFLEX® is now 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 5-in-1 LED Tape**, **QolorPIX® Pixel Controlled LED Tape** and **Tape Controller**, and **QolorFLEX NuNeon™**, are easy to work with, vibrant, and consistently color 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 several 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.

The Band's Visit
Lighting Design: Tyler Micoleau
Set Design: Scott Pask
Photographer: Matthew Murphy
QolorFLEX LED Tape and QolorFLEX Dimmers

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	BeamBender™
Jules Fisher, Peggy Eisenhauer, & Vivien Leone	Moving Light Accessories
John McKernon	Lightwright®
Chris Lewton & Allen Lee Hughes	Drop-In Boomerang
LeMark	Blacktak™
Terry Richardson	Follow Spot Handle
Future Light Inc.	C-Clip Truss Protector™
Lori Friedlander	Image Multiplexer™
Eric Bovie	Manual Color Changers
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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Wireless DMX: Yesterday's Challenges
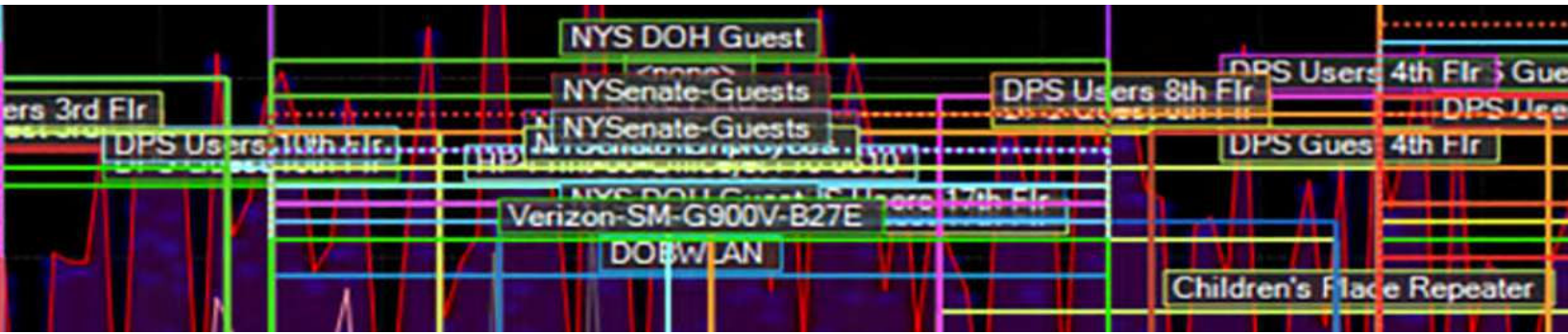
Wireless DMX has played an important part in the lighting world since the early 2000s. Many shows have used it on some scale because it has allowed lighting to be accomplished without running data cables. That can save time and money, and in some cases, such as for moving scenery, makes it possible to 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 produce 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) costs between approximately $350 and $1,300 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 specialized 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

Multiverse®

Expanding the World of Wireless DMX Control

After 15 years of pioneering wireless DMX and RDM for entertainment and architectural lighting, City Theatrical is presenting its new Multiverse® wireless DMX system broadcasting as many as 10 universes of DMX data from a single transmitter, with the ability to use less radio energy than a 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. Our Multiverse Gateway offers breakthrough data distribution capacity with up to 10 wireless plus eight additional wired 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.

2.4GHz & 900MHz Operation
2.4GHz operation is usable worldwide, and for the first time, Multiverse users in the Americas can use a combination of 2.4GHz and 900MHz frequencies. (*Note: 900 MHz is not licensed for use outside of the Americas.*)

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

Multiverse Modules

Multiverse SHoW Baby

Multiverse Node

Multiverse Transmitter

Multiverse Gateway

More Data Using Less Radio Energy

800.230.9497 or 201.549.1160

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Multiverse SHoW Baby

P/N	Frequency
5900	2.4GHz

The Fourth Generation of the Original Plug & 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

- Compatible with all Multiverse and SHoW DMX legacy products

- Plug and Play selection of Transmitter or Receiver function

- 5 Pin XLR DMX input and output

- 5 to 30VDC power input

- Molded plastic enclosure

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 the 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 new 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.

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

2.4 GHz

WIRED DMX FROM CONSOLE/ CONTROLLER

IN   OUT

Rx SCHEMATIC

2.4 GHz

WIRELESS DMX FROM SHoW DMX NEO, SHoW DMX SHoW BABY, MULTIVERSE SHoW BABY, MULTIVERSE NODE, MULTIVERSE TRANSMITTER, MULTIVERSE GATEWAY

IN   OUT
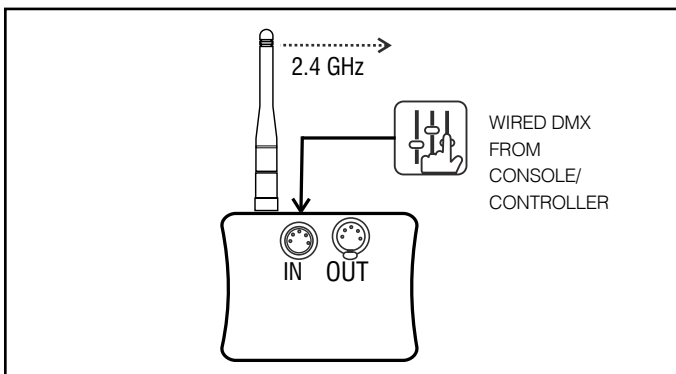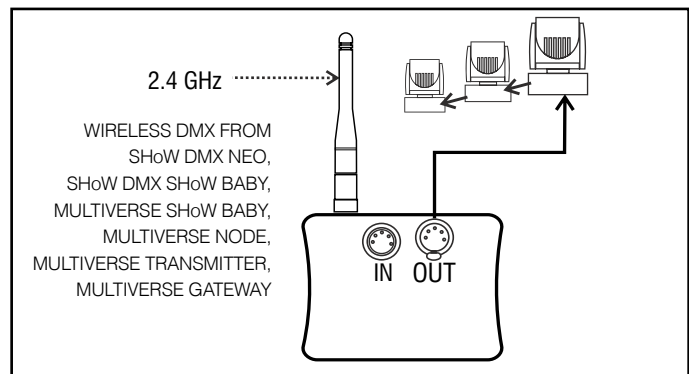
Multiverse Node

P/N	Frequency
5902	900MHz/2.4GHz
5903	2.4GHz

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 SHoW DMX SHoW Baby®, but contains two radios (Americas 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.

Single Universe Plug and Play Simplicity

Key Features

- Built-in 2.4GHz (for worldwide use) and 900MHz (for use in the Americas 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 aluminum enclosure

- A single dual band antenna

- XLR input and output

- 5 to 30VDC power input via locking barrel connector

Pipe Mount	Simple onboard setup	Back of unit

What's in the box:

Tx SCHEMATIC

WIRED DMX FROM CONSOLE/CONTROLLER

900 MHz
or
2.4 GHz

IN
OUT
Tx
OUT

Rx SCHEMATIC

900 MHz
or
2.4 GHz

WIRELESS DMX FROM MULTIVERSE NODE, MULTIVERSE TRANSMITTER, MULTIVERSE GATEWAY

IN
Rx
OUT
IN
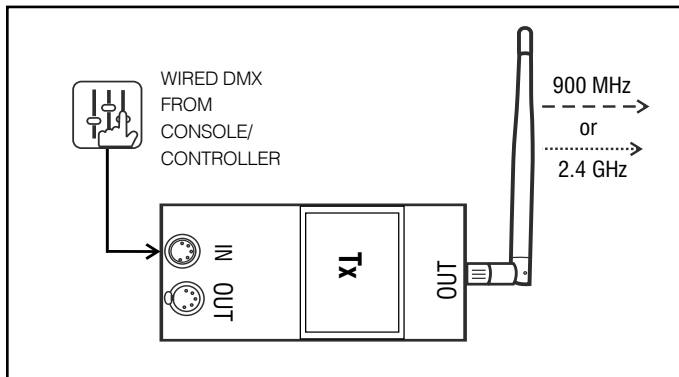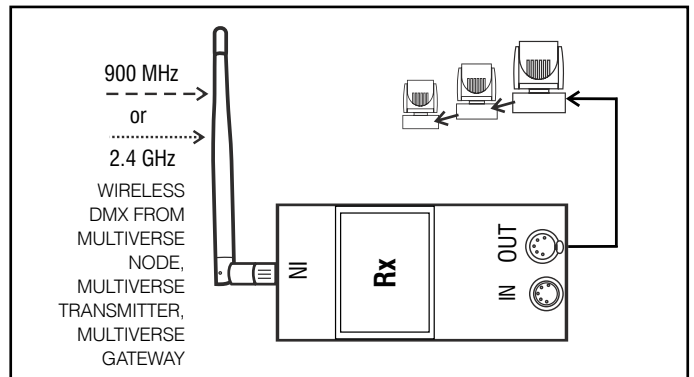
Multiverse Transmitter

P/N	Frequency	Universes
5910	900MHz/2.4GHz	9
5911	2.4GHz (x2)	10
5912	900MHz (x2)	8

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 type of Multiverse Transmitter product 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, 900MHz and 2.4GHz 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 aluminum enclosure

- A hanging bracket is included for hanging from a pipe or truss

- Additional user control via DMXcat app or Luminair

Pipe Mount   *Pipe Mount*

SCHEMATIC (FOR P/N 5910)

CONTROL VIA BLUETOOTH APP (DMXcat)

CONTROL VIA Wi-Fi APP (I.E. LUMINAIR)

UP TO 5 UNIVERSES   UP TO 4 UNIVERSES

DMX 2.4GHz   DMX 900MHz

Tx

sACN / Art-Net
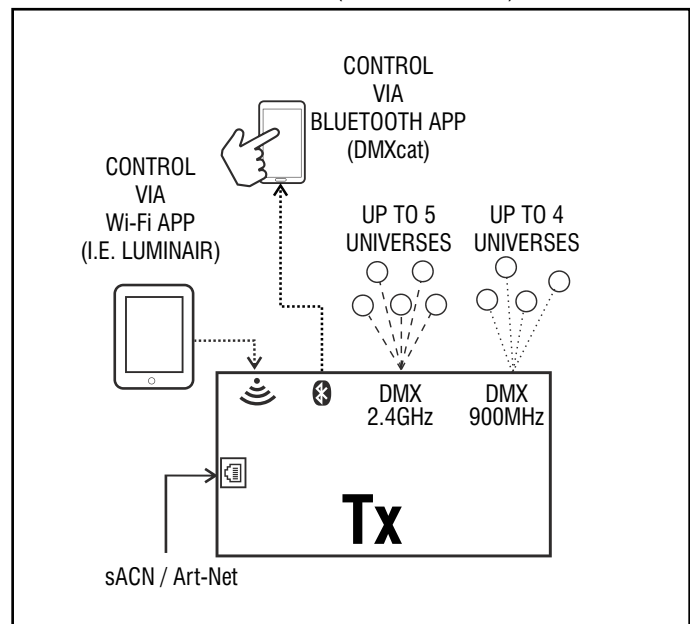
Multiverse Gateway

P/N	Frequency	Universes
5920	900MHz/2.4GHz	9
5921	2.4GHz (x2)	10
5922	900MHz (x2)	8

Works With Up To Eight Wired Plus Ten Wireless Universes

Key Features

- Four radios: Bluetooth and Wi-Fi for inputs, 900MHz and 2.4GHz for wireless DMX/RDM output

- Ethernet input for sACN and Art-Net

- All setup and user choices made with our free DMXcat app

- Rugged cast aluminum enclosure

- A hanging bracket is included for hanging from a pipe or truss

- Additional user control via DMXcat app or Luminair

The Multiverse® Gateway is a transceiver, and allows the fullest use of the Multiverse system. Like the Multiverse Transmitter, the Multiverse Gateway utilizes four radios (Bluetooth and Wi-Fi for inputs, 900MHz and 2.4GHz for wireless DMX/RDM output), and accepts Streaming ACN or Art-Net input.

The user can choose which of the between eight and 10 universes they would like to broadcast wirelessly, depending on the type of Multiverse Gateway product used, and can choose another eight universes to output locally as wired DMX/RDM.

Receivers on the Multiverse Gateway system can either be individual Multiverse Nodes for single wired DMX/RDM output, or additional Multiverse Gateways. When used as receivers, the Multiverse Gateways can output any of the wireless DMX universes received on any of the eight wired DMX outputs, as well as passing along up to 10 universes on the Streaming ACN or Art-Net output.

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

What's in the box:

SCHEMATIC (FOR P/N 5920)

Multiverse Module

Part Numbers: 5990, 5991, 5994, 5995
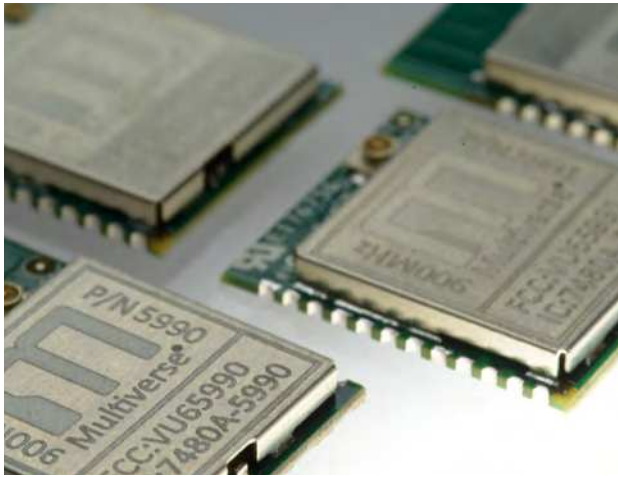
Designed for OEM Partners

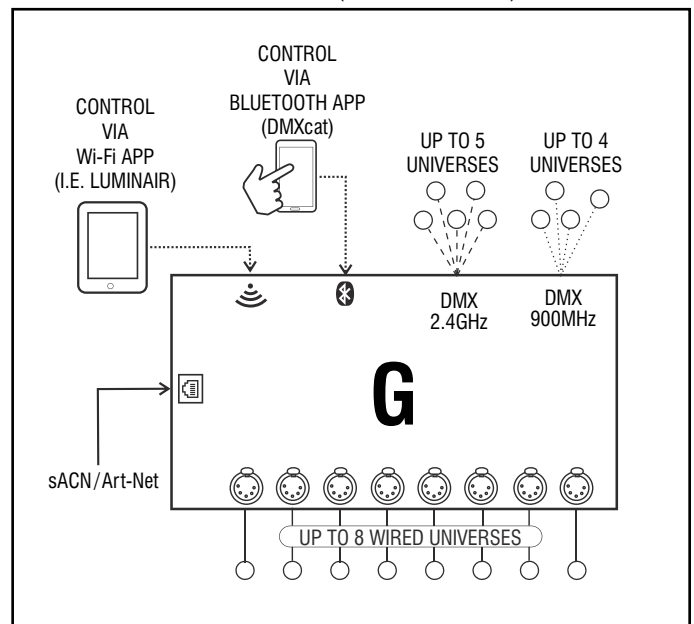Multiverse Modules are best suited for lighting equipment manufacturers who are interested in adding wireless DMX to their products. Due to low cost, increased data transport, and ease of design integration, the Multiverse Module marks the first time that the implementation of a wireless DMX chip in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

The Multiverse Module is available in two frequency ranges, 900MHz (for use in the Americas) and 2.4GHz (for use worldwide). Each frequency version can include a PCB trace antenna or not. All versions have a U.FL connector to connect to an external antenna.

OEM Implementation

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.

> **NOTE:**
> *All legacy SHoW DMX products are fully compatible with Multiverse technology.*

SHoW DMX Vero Net®

Part Number: 7400-5708M

Our SHoW DMX Vero Net Transceiver has all the features of the award winning SHoW DMX Neo Transceiver, minus the fully configurable onboard user interface.

It is packaged in a NEMA 4 / IP66 rated enclosure, is designed for outdoor installations with all liquid tight cable entries, and is contractor ready with included mounting bracket and 4.5dBi outdoor omni antenna.

SHoW DMX Vero®

Part Number: 7400-5707M

30% smaller than our SHoW DMX Vero Net, SHoW DMX Vero has all the features (less Ethernet) and is packaged similarly for outdoor use.

Wireless DMX Accessories

	P/N	NAME	FOR PRODUCT
ANTENNAS:	5729	2dBi Indoor Omni, 2.3"	All SHoW Baby models
	5731	4dBi Indoor Omni	SHoW DMX Neo Transmitter and Receiver
	5732	4.5dBi Outdoor Omni	SHoW DMX Vero and SHoW DMX Vero Net
	5633	8dBi Panel (includes mounting bracket & two 3' antenna cables)	All 2.4GHz products
	5636	14dBi Yagi	All 2.4GHz products
	5980	Omni Broad Band 900MHz - 2.4GHz	Multiverse Node, Multiverse Transmitter, and Multiverse Gateway
	5981	Panel, Dual Band 900MHz - 2.4GHz	Multiverse Node, Multiverse Transmitter, and Multiverse Gateway
	5982	Yagi, Dual Band 900MHz - 2.4 GHz	Multiverse Node, Multiverse Transmitter, and Multiverse Gateway
ANTENNA ACCESSORIES:	5637	Splitter	All panels and Yagis
	5638	Adapter Cable	Adapts panels and Yagis to SHoW Baby
	5639	Gender Changer for 5637 Antenna Splitter	Two are needed for each Splitter (P/N 5637)
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	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
	5975	Multiverse Gateway Hanging Bracket	Multiverse Gateway
POWER CORDS:	5973	Multiverse Node USB Power Cable	Multiverse Node
	5840	N5-15P to powerCON TRUE1, 12AWG, 8'	Multiverse Transmitter and Multiverse Gateway

800.230.9497 or 201.549.1160

Wireless DMX Specifications

Name	Multiverse SHoW Baby	Multiverse Node	Multiverse Transmitter
Part Number	5900	5902 (900MHz/2.4GHz), 5903 (2.4GHz)	5910 (900MHz/2.4GHz), 5911 (2.4GHz (x2)), 5912 (900MHz (x2))
Applications	Indoor	Indoor	Indoor
Broadcast Power	2.5mW, 8mW, 25mW, 80mW	3.2mW, 10mW, 32mW, 100mW	3.2mW, 10mW, 32mW, 100mW
Antenna(s)	2dBi	3dBi	3dBi
User Interface	One Button / Indicator Lights	Four 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
DMX Burst Modes	Auto Dynamic	Auto Dynamic	Auto Dynamic
Ethernet Protocols	N/A	N/A	802.11 bgn, 10BASE-T sACN, Art-Net
Hopping Patterns	3	17	17
Show IDs	Multiverse:176, Neo: 70	Multiverse: 216 (Americas), 176 (World), Neo: 70	Multiverse: 216 (Americas), 176 (World), Neo: 70
RF Sensitivity	-95dBm	-95dBm	-95dBm
RDM Features	RDM Proxy, RDM Responder	RDM Proxy, RDM Responder	RDM Proxy, RDM Responder
Compliance	FCC, IC, CE	FCC, IC, CE	FCC, IC, CE, ETL
Power	5-30VDC, 1W	5-30VDC, 1W	100-240VAC 50/60Hz, 5-30VDC, POE Class 0, 5W
Power Connector	5.5 x 2.1mm	5.5 x 2.1mm	5.5x2.1mm, powerCON TRUE1 in/thru, RJ-45
IP Rating	IP20	IP30	IP30
Construction	Injection Molded Plastic	Die Cast Aluminum	Die Cast Aluminum
Dimensions (L x W x H)	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)	7.75" x 4.0" x 1.85" (196.9 x 101.5 x 47mm)

Multiverse Gateway	SHoW DMX Vero Net	SHoW DMX Vero
5920 (900MHz/2.4GHz), 5921 (2.4GHz (x2)), 5922 (900MHz (x2))	7400-5708M	7400-5707M
Indoor	Outdoor / Indoor	Outdoor / Indoor
3.2mW, 10mW, 32mW, 100mW	1mW, 14mW, 28mW, 72mW	1mW, 14mW, 28mW, 72mW
3dBi	4.5dBi	4.5dBi
DMXcat app	Dip Switch	Dip Switch
Adaptive, Full, Low, Mid, High, Max	Adaptive, Full, Low, Mid, High, Max	Adaptive, Full, Low, Mid, High, Max
Auto Dynamic	Auto Dynamic	Auto Dynamic
802.11 bgn, 10BASE-T sACN, Art-Net	802.11 bgn, 10BASE-T sACN, Art-Net	N/A
17	17	17
Multiverse: 216 (Americas), 176 (World), Neo: 70	70	70
-95dBm	-95dBm	-95dBm
RDM Proxy, RDM Responder	RDM Proxy, RDM Responder	RDM Proxy, RDM Responder
FCC, IC, CE, ETL	FCC, IC, CE, ETL	FCC, IC, CE, ETL
100-240VAC 50/60Hz, 5-30VDC, POE Class 0, 5W	100-240 VAC 50/60Hz 3W	100-240 VAC 50/60Hz 3W
powerCON TRUE1 in/thru, RJ-45	Screw terminals	Screw terminals
IP30	IP66	IP66
Die Cast Aluminum	Fabricated Steel NEMA 4	Fabricated Steel NEMA 4
12.5" x 8.5" x 2.31" (317.5 x 215.9 x 58.7mm)	7.75" x 7.75" x 5.0" (178 x 178 x 127mm)	5.5" x 5.5" x 5.0" (140 x 140 x 127mm)

Specifications may be subject to change.

Case Study: SHoW DMX Vero

Photos by Chuck Drew

Project Name:	Jungle Exhibit at Texas State Aquarium®
Location:	Corpus Christi, TX
Installation Completion:	May 2017
Lighting Control Package:	ETC®
Regional Rep for ETC:	Spectrum Lighting, Inc.
Electrical Contractor:	FSG Electric
City Theatrical Solution:	SHoW DMX Vero® Transceiver

Challenges

The new lighting design for the main atrium of the aquarium posed a challenge for installation teams in that it was changed significantly from its original layout to include five custom manufactured truss rings, each suspended from the main beams at high points in the ceiling grid that makes up the glass frame around the roof of the building.

This challenging location for the installation meant that installation team members would not be able to run DMX cable, which would require a strong wireless solution.

To complicate matters for wireless reception, there was a large amount of metal enclosing the rings, which could potentially cause reflections that create interference with signal reception at each ring.

Solution

City Theatrical's SHoW DMX Vero Transceivers where provided as part of the ETC lighting control system with all applicable hardware for ease of installation. These transceivers were enclosed within the center of each of the five rings. They used Maximum Bandwidth Technology™ to wirelessly control the lighting fixtures on the outside of the rings, and create a colorful, luminous effect inside the aquarium, as well as outside through the glass ceiling.

"I've used Vero Transceivers on several other projects with great success, so it was only natural that they were the go-to solution for this project."

- Chuck Drew, Lighting Controls Technician, Spectrum Lighting, Inc.

www.citytheatrical.com

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

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, customize names, and display levels as %, decimal, or hex value.

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.

RF Spectrum Analyzer *(Android only)*

Identify potential communication problems before they happen. The RF Spectrum Analyzer enables the user to visualize 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 optimized by adjusting the type of transmission (hopping patterns) and/or locating the control network in uncrowded or unused areas of the RF Spectrum.

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 "favorites" 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 "favorites" 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.

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.
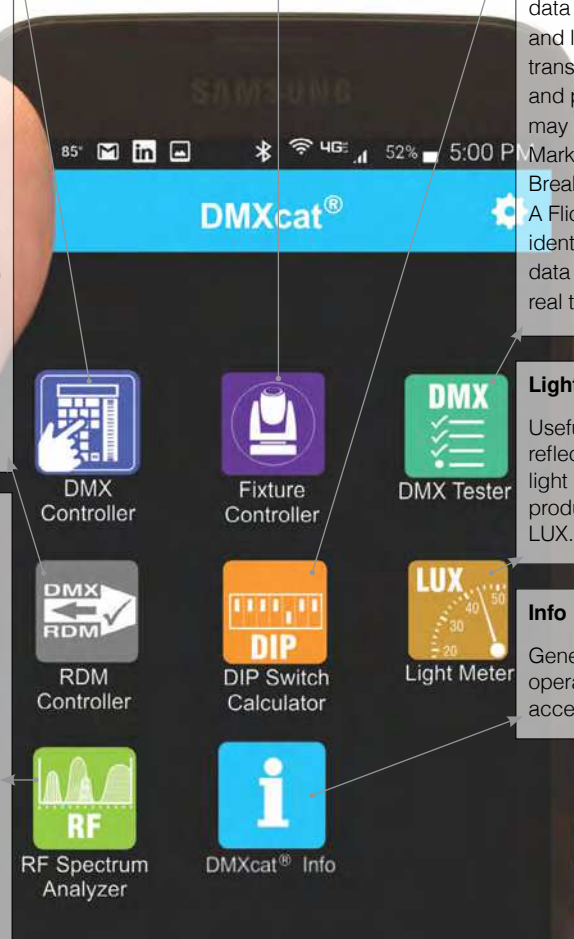
Light Meter *(Android only)*

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, multicolor
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	0.3 lbs. (0.14 kg)
Dimensions (L x W x H)	3.75" x 1.63" x 0.94" (95.3mm x 41.4mm x 23.9mm)

What's in the box:

DMXcat with XLR5F Connector

6010

6007

Belt clip with screw and split ring

DMXcat Accessories

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

Specifications subject to change

6008

6005

6006

6009

Case Study: DMXcat and QolorFLEX Dimmers

Project Name: Nautica Shopping Mall
Location: Tallinn, Estonia
Installation Completion: October 2017
Lighting Control Package: OÜ Focuspoint
City Theatrical Solutions: DMXcat and
QolorFLEX 24x3A Dimmers

Photos by Kalle Karindi

Challenges

Nautica, known previously as Norde Centrum, recently completed a radical expansion and renovation project to become one of Estonia's leading urban retail centers. Its redesign included an illuminated geometric pattern on the building's facade, created using 264 strategically-placed "stripes" of LED tape.

This large amount of LED tape required a long term dimming solution that could be installed throughout the building by electricians with varying levels of expertise.

To get the project up and running, the installation team also required a testing solution to help test the LED tape and dimmers, especially those in difficult to access places.

Solution

To ensure a reliable and durable dimming solution for the building's exterior stripes, Nautica uses 33 individual QolorFlex 24x3A Dimmers. Fully DMX and RDM compatible, these dimmers are an ideal choice for architectural applications, specifically installations that use one, two, three or four color LED tape, like the LED tape used at Nautica. To set up and test the dimmers, Nautica used DMXcat to communicate wirelessly with RDM.

"With dimmers spread around the building, some in difficult to access or inaccessible places, the only way to set up this project was by using DMXcat."
- Kalle Karindi, Sales Manager, OÜ Focuspoint

NAUTICA

Case Study: QolorFLEX LED Tape and Dimmers

Project Name: The Set of Netflix's *The Break with Michelle Wolf*
Location: New York, NY
Installation Completion: May 2018
Production Design: Tom Lenz
Lighting Design: Alan Adelman
Scenic Shop: Stiegelbauer Associates, Inc.
City Theatrical Solution(s): QolorFLEX® 5-in-1 LED Tape, QolorFLEX NuNeon™, QolorFLEX 5x8A Dimmers

Photo by Mel Lovric for 513

Challenges

The primary challenge of this project when it came to the lighting and scenery was time. While the scale of the set for the show was large compared to other web-based television shows, the design and installation schedule was brief, leaving only a few weeks to complete this large scale installation before the show's debut.

Another challenge was sourcing and installing high quality LED tape that could be used in different ways. The design required both RGB and Adjustable White (WWCW) LED tape for back lighting, to add depth to the scenery. The design also called for bright, bold, striking LED tape lighting in certain areas, including archways, which would be in direct view of the audience and camera.

Solution

QolorFLEX 5-in-1 LED Tape presented the unique solution for LED tape requirements for the project, in that it saved both materials cost and installation time by giving the look of both RGB and Adjustable White (WWCW) LED tape - all in a single tape. QolorFLEX NuNeon was selected to provide bright white, bold accents throughout the set's architecture. It was installed easily over archways and straight lines alike. Its color matched and accentuated the look of the QolorFLEX 5-in-1 LED Tape. QolorFLEX 5x8A Dimmers were chosen to provide dimming control for the project.

"[QolorFLEX LED Tape] is a wonderful, useful tool. It allowed me to design scenery very similar to our sketches."

- Tom Lenz, Principal/Partner, 513

800.230.9497 or 201.549.1160

QolorFLEX® LED Tape

QolorFLEX®
PROFESSIONAL LED LIGHTING

Production Design: Tom Lenz
Lighting Design: Alan Adelman
Scenic Shop: Stiegelbauer Associates, Inc.
Photo by Mel Lovric for 513

QolorFLEX 5-in-1 Tape on Netflix's *The Break With Michelle Wolf*

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.

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

NAME	VOLTAGE	USE	BACKING COLOR	COLOR 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

QolorFLEX LED Tape Specifications (Continued)

NAME	VOLTAGE	USE	BACKING COLOR	COLOR TEMP	LED SIZE	LEDs/M	LENGTH	PART NUMBER
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

12V Outdoor LED Tape:

NAME	VOLTAGE	USE	BACKING COLOR	COLOR TEMP	LED SIZE	LEDs/M	LENGTH	PART NUMBER
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

24V Indoor LED Tape:
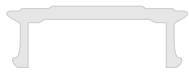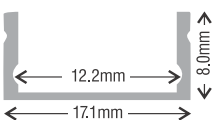
NAME	VOLTAGE	USE	BACKING COLOR	COLOR TEMP	LED SIZE	LEDs/M	LENGTH	PART NUMBER
Cool White	24	Indoor	White	6500°K	5050	60	5m	5050-24-CW-60-5-20-1
Natural White	24	Indoor	White	4100°K	5050	60	5m	5050-24-NW-60-5-20-1
Warm White	24	Indoor	White	2700°K	5050	60	5m	5050-24-WW-60-5-20-1
RGB	24	Indoor	White	N/A	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
NEW 5-in-1 (RGB + Warm White + Cool White)	24	Indoor	White	N/A	5050	60	5m	5050-24-RGBWWCW-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
Quad Chip RGB + Indigo	24	Indoor	White	N/A	5050	60	5m	5050-24-Q-RGBI-60-5-20-1
Quad Chip RGB + Amber	24	Indoor	White	N/A	5050	60	5m	5050-24-Q-RGBA-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

24V Outdoor LED Tape:

NAME	VOLTAGE	USE	BACKING COLOR	COLOR TEMP	LED SIZE	LEDs/M	LENGTH	PART NUMBER
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

800.230.9497 or 201.549.1160

QolorFLEX LED Tape Accessories

NAME	USES	PART NUMBER
18 GA. 6 Conductor Ribbon Cable	Joining and connecting multi-color LED tapes to dimmers, etc. Sold by the foot.	6607
18 GA. 5 Conductor Ribbon Cable	Joining and connecting multi-color LED tapes to dimmers, etc. Sold by the foot.	6600
18 GA. 2 Conductor Wire	Joining and connecting single color LED tapes to dimmers, etc. Sold by the foot.	6605
M to F 5-Pin Cable assemblies	Pre-made connecting cables for multi-color LED tape. Lengths: 5' 10' 15' 30'	6601 6602 6603 6604
6-Pin Cord Connector Male	Mating extension multi conductor cable assemblies.	6612
6-Pin Terminal Block Connector Female	Mating output terminal block connector for QolorFLEX Connect 10.	6613
5-Pin Cord Connector Male	Mating extension multi conductor cable assemblies.	6610
5-Pin Terminal Block Connector Female	Mating output terminal block connector for cable assemblies.	6611
2-Pin Terminal Block Connector	Mating output terminal block connector for QolorFLEX 4x2.5A Dimmer.	5668
4-Pin 0-10V Connector	0-10V output connection on QolorFLEX 4x2.5A Dimmer.	5669
Female barrel to screw terminal connector	For making 2-conductor plug-in cable assemblies.	6615
Male barrel to screw terminal connector	For making 2-conductor plug-in cable assemblies.	6616
Diffuser	Diffuser for Low Profile Extrusion, 2m.	6695
Extrusion	Aluminum Extrusion, Low Profile, 2m.	6690

QolorFLEX LED Tape Accessories (Continued)

NAME	USES		PART NUMBER
Waterproof end caps for outdoor tape	For making waterproof connections and terminating ends of outdoor rated LED tape. Sold in packs of 10.	Sizes: 9mm w/ 2 holes 8mm (no holes) 12mm w/ 4 holes 12mm (no holes)	6680 6682 6684 6686
Outdoor Tape Clips and Screws	For securing Outdoor LED tape. Sold in packs of 12.		6630
3M VHB Double Sided Tape Roll, 72 yards	The tape we recommend for long-term reliability for stick on surfaces.		6625
Ni-MH 12V 800 mAh Battery Pack	Wireless power for set up and testing.		6650
Ni-MH 12V 3800 mAh Battery Pack	Wireless power for set up and testing.		6655
Ni-MH 12V 5000 mAh Battery Pack	Wireless power for set up and testing.		6660
Ni-MH / NiCAD Smart Charger	Charges battery packs.		6645
No-MH / NiCAD Smart Charger 9.6-18VDC 0.91.8AH	Charges battery packs 6655, 6660, and 6645		6646

QolorFLEX LED Tape Demo Kit
Part Number: 6698

We developed this QolorFLEX LED Tape Demo Kit to enable designers to easily do side by side comparisons of our various tape products. The tape control board holds up to six sample strips at a time and allows users to adjust light output levels of both single and multicolor LED tapes. The kit includes: Tape Control Board, 12V Power Supply, and pre-mounted 12V QolorFLEX LED tape with connectors.

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 color 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™

QolorFLEX NuNeon, Natural White on Netflix's *The Break With Michelle Wolf*

Production Design: Tom Lenz
Lighting Design: Alan Adelman
Scenic Shop: Stiegelbauer Associates, Inc.
Photo by Mel Lovric for 513

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 colors plus adjustable RGB, QolorFLEX NuNeon is IP67 rated for use indoors or outdoors and is ETL listed. Single colors 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.
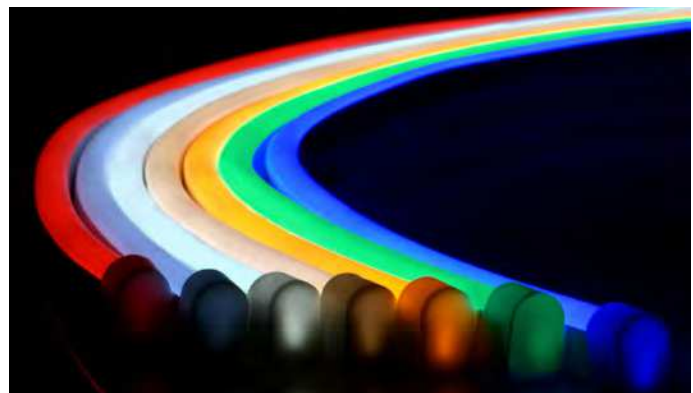
QolorFLEX NuNeon Specifications

NAME	VOLTAGE	COLOR TEMP	WAVELENGTH	POWER CONSUMPTION	LENGTH	PART NUMBER
QolorFLEX NuNeon, Cool White	24	6500°K	N/A	7.2 w/m	10m	N914-CW-10
QolorFLEX NuNeon, Natural White	24	4000°K	N/A	7.2 w/m	10m	N914-NW-10
QolorFLEX NuNeon, Warm White	24	2700°K	N/A	7.2 w/m	10m	N914-WW-10
QolorFLEX NuNeon, Amber	24	N/A	588 nm	7.2 w/m	10m	N914-A-10
QolorFLEX NuNeon, Blue	24	N/A	468 nm	7.2 w/m	10m	N914-B-10
QolorFLEX NuNeon, Green	24	N/A	518 nm	7.2 w/m	10m	N914-G-10
QolorFLEX NuNeon, Red	24	N/A	622 nm	7.2 w/m	10m	N914-R-10
QolorFLEX NuNeon, RGB	24	N/A	622/518/468 nm	9.6 w/m	5m	N914-RGB-5

QolorFLEX NuNeon Accessories

NAME	PART NUMBER	NAME	PART NUMBER
QolorFLEX NuNeon End Cap with Strain Relief, Pack of 10	N914-01	QolorFLEX NuNeon Aluminum Extrusion, 2m	N914-05
QolorFLEX NuNeon End Cap, Pack of 10	N914-02	QolorFLEX NuNeon Aluminum Extrusion Mounting Clip, Pack of 10	N914-07
QolorFLEX NuNeon Lead Wire, Two Wire, 40cm	N914-03	QolorFLEX NuNeon Plastic Mounting Clip, 30mm, Pack of 10	N914-09
QolorFLEX NuNeon Lead Wire, Four Wire, 40cm	N914-04	QolorFLEX NuNeon Silicone, White	NU1040

QolorPIX®

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 meter. 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 meter reels, with a maximum cable connection length (between controller and tape) of 10 meters. 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 meter	48
Voltage	5VDC
Watts/meter (max)	14.4W
Viewing angle	120º
PCB color (backing)	Black
IP Rating	67
Coating	Clear Silicone
Connection	4-Pin XLRM soldered to 6" pigtail
Cutting increment	0.827" (21mm)
Height	0.188" (4.8mm)
Width	0.563" (14.3mm)
Length	16.4' (5m)

QolorPIX Tape Controller, Eight Output

Part Number: 5850
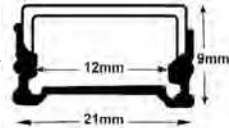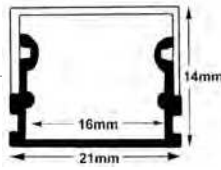
The QolorPIX Tape Controller offers eight ports, each accommodating five meters of pixel tape. It has a user-friendly control interface that allows the user to change mode, pixel length, dimmer, personality start address, and direction. It features an integrated power supply, a test function, and flicker finder for easy troubleshooting. It also offers wireless DMX control using Multiverse 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

NAME	PART NUMBER	NAME	PART NUMBER
Power Cord, N5-15P to powerCON TRUE1 12 AWG 8'	5840	Mounting Clip Kit with Screws (for one roll of QolorPIX Pixel Controlled LED Tape)	6670
QolorPIX Rack Mount/ Pipe Mount Ears	5870	QolorPIX Aluminum Extrusion, 2m 21mm W x 9mm H *(Image represents both 6691 and 6696)*	6691
2dBi Omni Antenna, Indoor 2.3"	5729	QolorPIX Diffuser for 6691 Extrusion, 2m	6696
Four Pin XLRM with Three Conductor, 6" Tail	5891	QolorPIX Aluminum Extrusion, 2m 21mm W x 14mm H *(Image represents both 6692 and 6697)*	6692
Four Pin XLR Power/Data Cable, 10'	5892	QolorPIX Diffuser for 6692 Extrusion, 2m	6697
Four Pin XLR Power/Data Cable, 30'	5893		

800.230.9497 or 201.549.1160

QolorFLEX LED Dimmers

QolorFLEX®
PROFESSIONAL LED LIGHTING
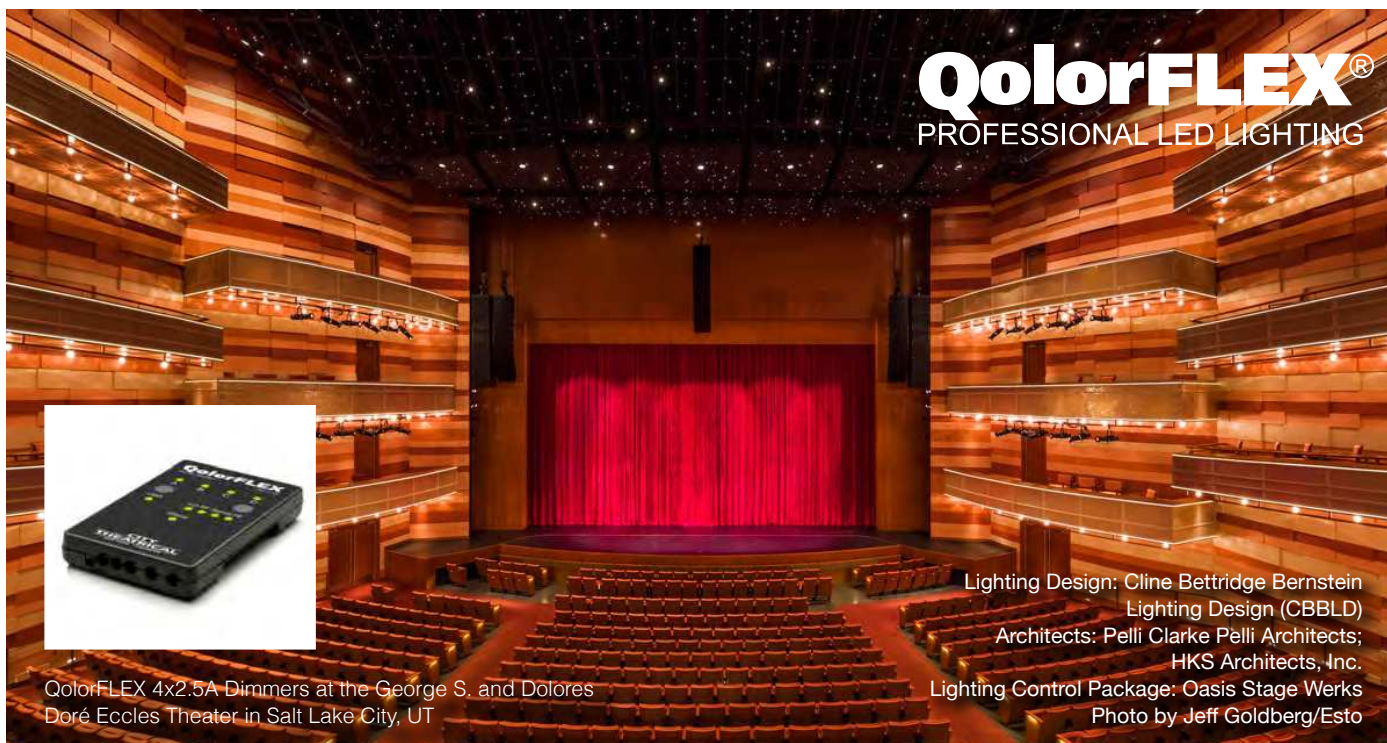
QolorFLEX 4x2.5A Dimmers at the George S. and Dolores Doré Eccles Theater in Salt Lake City, UT

Lighting Design: Cline Bettridge Bernstein Lighting Design (CBBLD)
Architects: Pelli Clarke Pelli Architects; HKS Architects, Inc.
Lighting Control Package: Oasis Stage Werks
Photo by Jeff Goldberg/Esto

QolorFLEX LED Dimmers pair perfectly with QolorFLEX LED Tape. All QolorFLEX Dimmers (nine wired and three wireless) are RDM capable, deliver ultra smoother, 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 2x0.9A 2.4GHz Multiverse Dimmer
Part Number: 5916

The QolorFLEX 2x0.9A 2.4GHz Multiverse Dimmer is a tiny two channel low voltage dimmer with a Multiverse wireless DMX receiver built in. It is designed to be mounted in small spaces, such as props, costumes, wands, and candles. Configuration is by any RDM controller, such as City Theatrical's DMXcat.

Shown at acutal size.

QolorFLEX 2x5A Dimmer
Part Number: 5720

The size of a credit card and 1/2" (12.7mm) thick, the QolorFLEX 2x5A Dimmer is ideal for controlling LEDs or low voltage incandescent fixtures in props, displays, or cabinets where size is limited and only two channels of control are required. The QolorFLEX 2x5A Dimmer accepts wired DMX data communication from controllers/consoles. The device has four dimming modes: Linear and ISL for incandescent use, and Non-Dim (on/off) for relays, solenoids, and LED. The QolorFLEX 2x5A Dimmer also provides four variable smoothing rates and five TV/Film modes for ultra-smooth low end dimming and flicker free performance with LED tape. This dimmer has 7.5-30VDC 10A max input, 5A max output per channel, and 10A max output per device.

QolorFLEX 2x5A SHoW DMX Neo Dimmer

Part Number: 5722M
The QolorFLEX 2x5A SHoW
DMX Neo Dimmer is a
two channel low voltage
dimmer equipped with City
Theatrical's SHoW DMX
Neo® wireless technology. Now equipped with Maximum
Bandwidth technology, it can receive and output a full
universe of DMX from up to 200 feet away making it the
ideal dimmer for use in costumes or other freestanding/
mobile props where direct wiring is not practical or
possible. The QolorFLEX 2x5A SHoW DMX Neo Dimmer
features four dimming modes: Linear and ISL for
incandescent use, Non-Dim (on/off) -for relays, solenoids
etc. and LED. It also provides four variable smoothing rates
and five TV/Film modes for ultra smooth low end dimming
and flicker free performance with LED tape. 7.5- 30VDC
10A max input. 5A max output per channel, 10A max
output per device.

QolorFLEX 3x10A Dimmer

Part Number: 5620
City Theatrical's QolorFLEX
3x10A Dimmer is our most
versatile and feature rich
dimmer. The total output capacity of the dimmer is 30A
and any channel is capable of carrying a full 30A. The
large backlit LCD display and five button control makes
the QolorFLEX 3x10A Dimmer the industry leader in ease
of set-up and operation. It accepts wired data from any
controller/console with DMX output, can be paired with
one of our wireless transmitting/receiving systems, and
has stand alone dimmer settings to allow use without
a lighting controller/console. The QolorFLEX 3x10A
Dimmer's additional features include: four selectable
dimming curves/modes, variable smoothing rates, film/
video modes, starting DMX address, and it is fully RDM
enabled. 9-24VDC 30A max input. 30A max output per
device.

QolorFLEX 4x2.5A Dimmer

Part Number: 5740
The QolorFLEX 4x2.5A Dimmer
offers increased control versatility
in an affordable compact package.
The four channel configuration allows the unit to work
perfectly with 1, 2, 3, or 4 color tapes. It is suited for
applications where color mixing and illumination are
needed for creating dramatic effects. The 4x2.5A Dimmer
accepts wired DMX data communication from controllers/

consoles. Other features of the QolorFLEX 4x2.5A Dimmer
include: Bump buttons, four dimming modes: Linear and
ISL for incandescent use, Non-Dim (on/off) - for relays,
solenoids etc., and LED. This dimmer also provides four
variable smoothing rates and five TV/Film modes for ultra-
smooth low end dimming and flicker free performance
with LED tape. 7.5-30VDC 10A max input@12V. 5A max
output per channel, 10A max output per device@12V.

QolorFLEX 4x2.5A SHoW DMX Neo Dimmer

Part Number: 5742M
The QolorFLEX 4x2.5A SHoW
DMX Neo Dimmer adds
wireless DMX capability,
making it the smallest full
featured four channel wireless
dimmer available. Now
equipped with Maximum Bandwidth Technology™, with
the proven reliability and versatility of our SHoW DMX®
technology included, this dimmer can receive and output
DMX (a full universe) command instructions from up to 200
feet away making it the ideal dimmer for use in costumes
or other freestanding/mobile props where direct wiring is
not practical or possible. The QolorFLEX 4x2.5A Dimmer
features: Bump buttons, channel indicators, four dimming
modes: Linear and ISL for incandescent use, Non-Dim (on/
off) -for relays, solenoids etc. and LED. It also provides four
variable smoothing rates and five TV/Film modes for ultra-
smooth low end dimming and flicker free performance with
LED tape. 7.5-30VDC 10A max input @12V. 5A max output
per channel,10A max output per device @12V.

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 12-24VDC. 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 requires a separate power supply providing input voltage of 12-24VDC. The maximum current load per channel is 5A with a maximum device output of 20A.

QolorFLEX 4x10A Dimmer
Part Number: 5750

The QolorFLEX 4x10A Dimmer combines all of the functionality of our four channel dimmers with higher output and an integral power supply in one unit. Designed for surface mounting to scenery, the angled control surface is both visible and accessible in tight spaces and corners. This workhorse is the perfect self contained unit for the heavy demands of theatrical and touring events.

The QolorFLEX 4x10A Dimmer is compatible with both DMX 512 and 0-10VDC analog architectural style control data. Both RJ45 and 5PXLR connectors are standard for DMX connection. Other features include: Bump buttons, four dimming modes: Linear and ISL for incandescent use, Non-Dim (on/off) - for relays, solenoids etc., and LED. It also provides four variable smoothing rates and five TV/Film modes for ultra-smooth low end dimming and flicker

free performance when the QolorFLEX 4x10A Dimmer is used with LED tape.

110-240VAC input. 10A max output per channel, 40A max output per device.

NAME	PART NUMBER
4x10A Dimmer 12V, Terminal Blocks	5750
4x6A Dimmer 24V, Terminal Blocks	5754

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. The QolorFLEX 5x8A Dimmer uses constant voltage technology which ensures consistent full range dimming that 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. The QolorFLEX 5x8A Dimmer is also RDM capable. The unit requires a separate power supply providing input voltage of 12-24VDC. The maximum current load per channel is 8A with a maximum device output of 40A.

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. This unit requires a separate power supply providing input voltage of 12-24VDC. The maximum current load per channel is 3A with a maximum device output of 72A.

QolorFLEX Architectural LED PS/Driver Series
Part Number: 5758

The QolorFLEX Architectural LED PS/Drivers provide a powerful and affordable new 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 LED Dimmer Accessories (See page 20 for additional wiring accessories)

NAME	PART NUMBER	NAME	PART NUMBER
SHoW DMX 12V 12AH Rechargeable Battery w/ connectors	5635	2-Pin Terminal Block output connector for 4x10A Dimmer	5668
SHoW DMX 12V 5AH Autocharger 115-230VAC w/ connector	5640	4-Pin 0-10V connector for 4x10A Dimmer	5669
Twofer, Battery to Receiver and Dimmer	5650	5-Pin Female connector for 5x8A and 24x3A Dimmers	6610
Twofer, 18" with Anderson Connectors	5656	XLR3M to XLR5F Adaptor	6621
Anderson Connector, Red	5660	XLR3F to XLR5M Adaptor	6622
Anderson Connector, Black	5661		
Anderson Connector, Yellow	5662		
Anderson Connector, Blue	5663		
Anderson Connector, Orange	5664	5PXLRM & 5PXLRF Twofer	5725
Anderson Connector, Green	5666		
Anderson Connector, White	5667		

QolorFLEX LED Dimmer Specifications

Name	QolorFLEX 2x0.9A 2.4GHz Multiverse Dimmer	QolorFLEX 2x5A Dimmer	QolorFLEX 2x5A SHoW DMX Dimmer	QolorFLEX 3x10A Dimmer
Part Number	5916	5720	5722M	5620
Output Channels	2	2	2	3
Input Voltage	6-30VDC	7.5~30VDC 10A	7.5~30VDC 10A	9-24VDC
Max Output per Channel	0.9A @12V	5A@12V, 4A@24V	5A@12V, 4A@24V	30A
Max Device Output	1.8A	10A@12V	10A@12V	30A
Size L x W x H	3.187" x 0.7" x 0.5" (81 x 18.8 x 12mm)	3.5" x 2.25" x 0.5" (88.9 x 57.2 x 12.7mm)	3.5" x 2.25" x 0.5" (88.9 x 57.2 x 12.7mm)	6.25" x 5.125" x 2.375" (128.8 x 120.2 x 60.3mm)
Weight	0.32 oz (9g)	2.4 oz (0.07 kg)	2.4 oz (0.07 kg)	32 oz (0.9 kg)
Power Connections	Spring Terminals	Screw Terminals	Screw Terminals	45A Anderson Powerpole
Output Connections	Spring Terminals	Screw Terminals	Screw Terminals	45A Anderson Powerpole
DMX Connections	Spring Terminals	Screw Terminals	Screw Terminals	5 Pin XLR
0-10V Connections	N/A	N/A	N/A	N/A
User Interface	RDM/USB	DIP Switches	DIP Switches	5 button with blacklit LCD
DMX Address	Yes	Yes	Yes	Yes
Curve Selection	Yes - 3	Yes - 4	Yes - 4	Yes - 4
Film & Video Modes	Yes - 5	Yes - 5	Yes - 5	Yes - 5
DMX Termination	N/A	Yes	Yes	Yes
SHoW ID	All Multiverse & Neo	N/A	70	N/A
Bump Buttons	Yes	Yes	Yes	Yes
Pilot Lights	Yes	Yes	Yes	Yes
Status Light	Yes	Yes	Yes	Yes
Smoothing Settings	Yes - Variable 6	Yes - Variable 6	Yes - Variable 6	Yes - Variable 6
Stand Alone Levels	No	No	No	Yes
RDM	Yes	Yes	Yes	Yes
Compliance	None	CE	CE, FCC	CE, ETL

QolorFLEX 4x2.5A Dimmer	QolorFLEX 4x2.5A SHoW DMX Dimmer	QolorFLEX 4x5A Dimmer	QolorFLEX 4x5A DINrail RJ45 Dimmer	QolorFLEX 4x5A DINrail Dimmer
5740	5742M	5821	5823	5825
4	4	Selectable, 1 to 4	4	4
7.5~30VDC	7.5~30VDC	12 to 36VDC 20A	12~24VDC	12~24VDC
5A @12V, 4A@24V	5A @12V, 4A@24V	5A	5A	5A
10A @12V, 8A@24V	10A @12V, 8A@24V	20A@12V	20A	20A
3.5" x 2.25" x .5" in (88.9 x 57.2 x 12.7mm)	3.5" x 2.25" x .5" in (88.9 x 57.2 x 12.7mm)	2.1" x 6.7" x 1.1" (53.4 x 170 x 28mm)	2.1" x 6.7" x 1.1" (53.4 x 110 x 65mm)	2.1" x 4.32" x 2.56" (53.4 x 110 x 65mm)
2.4 oz (0.07 kg)	2.4 oz (0.07 kg)	4.8 oz (0.14 kg)	4 oz (0.11kg)	4 oz. (0.11 kg)
Screw Terminals	Screw Terminals	Spring Terminals	Spring Terminals	Spring Terminals
Screw Terminals	Screw Terminals	Spring Terminals	Spring Terminals	Spring Terminals
Screw Terminals	Screw Terminals	Spring Terminals	2x RJ45	Spring Terminals
No	No	N/A	No	No
DIP Switches	DIP Switches	4 Button, plus alpha/ numeric display	4 button, plus alpha/ numeric display	4 button, plus alpha/ numeric display
Yes	Yes	Yes	Yes	Yes
Yes - 4	Yes - 4	Yes - 99	Yes - 99	Yes - 99
Yes - 5	Yes - 5	Yes - 18	Yes - 18	Yes - 18
Yes	N/A	No	No	No
N/A	70	No	N/A	N/A
Yes	Yes	No	No	No
Yes	Yes	Yes	Yes	Yes
Yes	Yes	No	No	No
Yes - 6	Yes - 6	No	No	No
No	No	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes
CE, RoHS	CE, FCC, RoHS	CE, RoHS	CE , RoHS	CE, RoHS

QolorFLEX LED Dimmer Specifications (Continued)

Name	QolorFLEX 4x10A Dimmer (12V) 4x6A Dimmer (24V)	QolorFLEX 5x8A Dimmer	QolorFLEX 24x3A Dimmer	QolorFLEX Architectural LED PS/Driver Series
Part Number	5750 (4x10A) / 5754 (4x6A)	5809	5810	5758
Output Channels	4	5	24	4
Input Voltage	100~240VAC	12~24VDC	12~24VDC	100V-277VAC
Max Output per Channel	10A (4x10A) / 6A (4x6A)	8A	3A	3.3A
Max Device Output	40A (4x10A) / 24A (4x6A)	40A	72A	10A
Size L x W x H	12.25" x 8.88" x 4" in (311.15 x 225.55 x 101.6mm)	2.88" x 6.5" x 1.5" (73 x 165 x 38mm)	10.24" x 4.72" x 1.57" (260 x 120 x 40mm)	10.5" x 16.15" x 3.56" (266mm x 410mm x 91mm)
Weight	7 lbs. (3.18 kg)	13.6 oz (0.39 kg)	3 lbs. (1.36kg)	14.5 lbs. (6.58kg)
Power Connections	Corded	Screw Terminals	Screw Terminals	Hard wire terminals
Output Connections	Screw Terminals	Screw Terminals	Screw Terminals	Hard wire terminals
DMX Connections	5 Pin XLR, RJ-45	5-Pin XLR, RJ-45, Screw Terminals	5 Pin XLR, RJ-45	RJ-45
0-10V Connections	User Selectable Sourcing or Sinking	No	No	User Selectable Sourcing or Sinking
User Interface	DIP Switches, BCD	4 button, plus alpha/ numeric display	4 button, plus alpha/ numeric display	DIP Switches, BCD
DMX Address	Yes	Yes	Yes	Yes
Curve Selection	Yes - 4	Yes - 99	Yes - 99	Yes - 4
Film & Video Modes	Yes - 5	Yes - 18	Yes - 18	Yes - 5
DMX Termination	Yes	No	No	Yes
SHoW ID	N/A	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 - 6	No	No	Yes - 6
Stand Alone Levels	No	Yes	Yes	No
RDM	Yes	Yes	Yes	Yes
Compliance	CE, ETL, ROHS	CE, ROHS	CE, ROHS	ETL

Integrated Dimming Systems

City Theatrical has designed and built hundreds of custom integrated LED dimming/control systems over the past five years 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 are delivered within two weeks ARO. 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 ¾". Steel enclosure w/black powdercoat.

Connector panel   *Full Cover*   *Cover Removed*

EXAMPLE 2

Unit includes: five P/N 5821 QolorFLEX 4x5A Dimmers for 20 channel- 4 x 4 color dimming and 4 x 1 color 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 powdercoat.

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 aluminum 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.

RSP-75-12
RSP-75-24

RSP-150-12
RSP-150-24

AD-24-12

RSP-320-12
RSP-320-24

RSP-500-12
RSP-500-24

SPECIFICATIONS

Part Number	AD-24-12	RSP-75-12 /24	RSP-150-12 /24	RSP-320-12 /24	RSP-500-12 /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	3.00" x 1.5" x 3.00" (76.2mm x 38mm x 76.2mm)	6.25" x 3.82" x 1.18" (159mm x 97mm x30mm)	7.83" x 3.89" x 1.18" (199mm x 99mm x 30mm)	8.46" x 4.52" x 1.18" (215mm x 115mm x30mm)	9.06" x 5.00" x 1.59" (230mm x 127mm x 40.5mm)
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-150H-24A

HLG-240H-24A

HLG-80H-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	7.7" x 2.42" x 1.53" (195.6mm x 61.5mm x 38.8mm)	8.98" 2.68" x 1.53"(228mm x 68mm x 38.8mm)	9.61" x 2.68" x 1.53" (244.2mm x 68mm x 38.8mm)	9.92" x 3.54" x 1.72" (252mm x 90mm x 43.8mm)	11.02" x 5.67" x 1.91" (280mm x 144mm x 48.5mm)
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

Case Study: LED Event Lighting and Wireless DMX

(Amazon Photo / Jordan Stead)

Project Name:	Special Olympics Countdown at The Spheres
Location:	Amazon's Campus, Seattle, WA
Project Date:	March 2018
Lighting Package:	Barbizon Light of the Rockies
City Theatrical Solutions:	QolorPoint Wireless LED Uplighters and SHoW DMX SHoW Baby 6 Wireless DMX

Challenges

To help celebrate 100 days until Seattle hosts the 2018 Special Olympics USA Games, Amazon set out to illuminate The Spheres, three massive glass-covered domes within their corporate campus in downtown Seattle, with a special lighting display in the purple color that represents the games.

To create a lighting effect that could be seen throughout the city through 2,643 panes of glass, the lighting fixtures selected would need to create high intensity colored light from within The Spheres.

With 4,000 square foot grounds composed of a wide variety of plant life, the lighting fixtures for this special celebration and future events would require a high level of portability. The ideal fixtures would protect against water and humidity (with IP65 rating) and offer simple plug and play wireless control.

Solution

Amazon used QolorPoint Wireless LED Uplighters to create a stunning light display that brought awareness and celebration to this momentous occasion. To ensure quick and easy setup, SHoW DMX SHoW Baby 6 with Maximum Bandwidth Technology was used for its simple, plug and play DMX control.

"[QolorPoint Wireless LED Uplighters] were the best fixtures to light events at The Spheres due to the intensity, portability, IP65 rating and functionality with SHoW Baby."

- Brandon Baker, Lighting Designer, Amazon

the spheres

Wireless LED Event Lighting

QolorPoint®
WIRELESS LED UPLIGHTER

Outdoor Wedding in Garrison, NY
Photo by Rachel Pearlman

Lighting for life's most important moments.

Whether it's a corporate event, a wedding, an anniversary party, or any other of life's most important events, you want to make it special and memorable. City Theatrical has a group of the finest wireless LED lighting fixtures that will make your event unforgettable by adding colorful lighting, and will make setup fast and easy.

The great breakthroughs in LED lighting technology allow modern fixtures to change colors, while their low power consumption allows battery operation, and radio control allows users to operate them without wires. This unique combination of technologies has produced the ability to quickly and easily set up beautiful lighting effects with no wires at all, and these factors lend themselves perfectly to event lighting that is typically set up and used for one day.

City Theatrical has partnered with UK lighting manufacturer Core Lighting to present the world's premier line of event lighting products. Core Lighting specializes in designing and manufacturing fully weatherproof battery powered LED uplighters with wireless DMX control, allowing them to be used with no power or data cables. Extremely bright and colorful, Core's products feature leading edge design, rugged construction, and utilize lightweight but powerful rechargeable lithium ion battery technology. These products are built for professional use, day after day.

To give your clients the experience of a lifetime, choose City Theatrical's LED Event Lighting. We are creating lighting for life's most important moments.

Cheltenham Town Hall (Anne Marie Randall)

Night to Shine in Milford, CT (Kris Hodge)

The Spheres (Amazon Photo / Jordan Stead)

800.230.9497 or 201.549.1160

QolorPoint® Wireless LED Uplighter
Part Number: 7000

Sleek enough for upscale indoor use and IP65 rated for outdoor use, QolorPoint Wireless LED Uplighters can be used to instantly transform any function, from small parties to large corporate events, weddings, entertainment venues, and even for stage lighting. The combination of battery power and wireless DMX control makes them truly portable, enabling extremely fast setup with no cables, thus creating a safer and more attractive environment. The sleek and shiny exterior finish blends into any décor.

QolorPoint Wireless LED Uplighters are known for their style, rugged outdoor IP rating, and their very bright 2,000 lumen quad chip RGBW output, making them truly stand alone in their category.

The bright output can light to the tops of medium sized trees and three story buildings, smoothly wash walls, provide temporary lighting to architectural details, and beautifully light the insides of tents and rooms.

QolorPoint Uplighters are available in a six unit charging case for fast and easy transport, and convenient recharging between uses. This system is perfectly geared to daily use in a variety of venues.

All battery powered QolorPoint Wireless LED Uplighters come equipped with City Theatrical's industry leading SHoW DMX Neo with Maximum Bandwidth Technology wireless DMX* built in. They can either operate in master/slave mode, with one unit designated as a Transmitter and the others as Receivers, or all units can be designated as Receivers and can be broadcast to by a City Theatrical SHoW DMX SHoW Baby or SHoW DMX Neo Transceiver. All units can also operate independently and run their own internal stand alone routines.

How the QolorPoint Wireless LED Uplighter can be used:

- As an individual stand alone unit. Set a solid color of your choice, or create a rolling fade between colors at the speed of your choice.

- Set one unit as a master and the others as slaves. The first unit gives instructions to the others.

- Set all units to receive instructions from an external DMX lighting desk, via SHoW DMX Neo wireless DMX

NAME	PART NUMBER
QolorPoint Wireless LED Uplighter	7000
QolorPoint Wireless LED Uplighter, 6 Units & Charging Case	7010
QolorPoint Charging Case for 6 LED Uplighters	7015
QolorPoint Shroud, Black	7020
QolorPoint Shroud, White	7022
QolorPoint Power Supply Adaptor, Single Unit	7024
QolorPoint Battery Charger, Single Unit	7026
QolorPoint Lens Mount	7003
QolorPoint 30° x 30° Diffuser	7004
QolorPoint 60° x 60° Diffuser	7005
QolorPoint 60° x 10° Diffuser	7006
QolorPoint Hanging Bracket	7007
QolorPoint DMX Output Cable	7008

QolorPoint® Mini Wireless LED Uplighter
Part Number: 7001

The all-new baby brother of the well-established and successful QolorPoint Wireless LED Uplighter packs a powerful punch. Sufficient for lighting most areas up to two story buildings and as usual there are no compromises in design, user-friendliness or quality. The QolorPoint Mini is sleek enough for the most exclusive environments for indoor use and retains the IP65 rating for outdoor use under all weather conditions. The QolorPoint Mini Wireless LED Uplighter can be used to instantly transform any function, from small parties to large corporate events, weddings, entertainment venues, and even for stage lighting with a built-in mounting point to attach to tripod or truss. The two powerful emitters feature RGBW LED technology for enhanced color mixing.

How the QolorPoint Mini Wireless LED Uplighter can be used:

- As an individual stand alone unit. Set a solid color of your choice, or create a rolling fade between colors at the speed of your choice.
- Set one unit as a master and the others as slaves. The first unit gives instructions to the others.
- Set all units to receive instructions from an external DMX lighting desk, via SHoW DMX Neo wireless DMX

NAME	PART NUMBER
QolorPoint Mini Wireless LED Uplighter	7001
QolorPoint Mini Wireless LED Uplighter, 6 Units & Charging Case	7011
QolorPoint Mini Charging Case for 6 LED Uplighters	7016
QolorPoint Mini Frame with diffuser (30 degree)	7012
QolorPoint Mini Frame with diffuser (60 degree)	7013
QolorPoint Mini Charger/Power Supply	7014

NOTE:

All legacy SHoW DMX products are fully compatible with Multiverse technology.

QolorStrip™ Wireless LED Strip
Part Number: 7030

The QolorStrip Wireless LED Strip is a one meter long lighting fixture with 18 RGBW LED emitters, providing a very bright 4,000 lumen output. The 18 LEDs can be independently controlled by 72 channels for pixel mapping and can produce vivid chases for eye catching lighting effects.

This linear fixture will make perfectly smooth wall washes, and a mixture of QolorPoint Uplighters for accent lighting and QolorStrips for wall washers will easily fill a room with color, while using no power or data cables.

The QolorStrip is IP65 rated for outdoor use in all weather conditions. The high tech, long life lithium ion battery will provide eight hours of continuous use in a rolling fade, and recharging is easy in the four way flight case.

For all of its features and power, the QolorStrip weighs only 14.3 lbs (6.5 kg) and is easy to carry and set up.

How the QolorStrip Wireless LED Strip can be used:

• As an individual stand alone unit. Set a solid color of your choice, create a rolling fade between colors at the speed of your choice or create pixel chasing effects from the built in routines.

• Set one unit as a master and the others as slaves. The first unit gives instructions to the others.

• Set all units to receive instructions from an external DMX lighting desk, via SHoW DMX wireless DMX. Units may also be connected via 5 Pin XLR in/out connectors.

NAME	PART NUMBER
QolorStrip Wireless LED Strip	7030
QolorStrip Wireless LED Strip, 4 Units & Charging Case	7035
QolorStrip Charging Case for 4 LED Strips	7040

QPin 300™ Wireless Magnetic Pin Spot
Part Number: 7050

The QPin 300 Wireless Magnetic Pin Spot has a very narrow, bright, white, zoom beam spread that can pinpoint any object, such as a floral centerpiece, painting, photo, or sculpture, and highlight it to draw attention to it. The IP65 rating allows the QPin 300 to be used indoors or outdoors in any weather.

The very bright 300 lumen white beam is easily positioned with the flexible neck of the fixture, and the base of the fixture utilizes a very strong rare earth magnet to enable it to stick to any ferrous metal object. Alternatively, it can mount with a clamp.

The warm 3,000° K output will operate for up to 12 hours at full output, and the fixtures are easily recharged in the 10 unit charging flight case.

Control of the QPin 300 is easily accomplished via a Bluetooth app from your Android or Apple device, or from a local intensity switch on the body of the fixture.

How the QPin 300 Wireless Magnetic Pin Spot can be used:

• As an individual unit with local intensity control.

• As a remote intensity control via your Smartphone.

The QPin 300 comes with adjustable beam width.

NAME	PART NUMBER
QPin 300 Wireless Magnetic Pin Spot	7050
QPin 300 Wireless Magnetic Pin Spot, 10 Units & Charging Case	7055
QPin 300 Charging Case for 10 LED Pin Spots	7060
QPin 300 Single Unit Charger	7062

LED Event Lighting Specifications

Name	QolorPoint Wireless LED Uplighter				QolorPoint Mini Wireless LED Uplighter				QolorStrip Wireless LED Strip			
Application	Outdoor/indoor				Outdoor/indoor				Outdoor/indoor			
Wireless Control	SHoW DMX Neo Maximum Bandwidth Technology™				SHoW DMX Neo Maximum Bandwidth Technology™				SHoW DMX Neo Maximum Bandwidth Technology™			
Wireless Range	200 ft.				200 ft.				200 ft.			
SHoW DMX SHoW IDs	6				6				6			
Runtime Fully Charged* *Note: Even longer battery life is obtainable by reducing brightness level.	Output Mode	Internal Effects	2 Colors	4 Colors	Output Mode	Internal Effects	2 Colors	4 Colors	Output Mode	Internal Effects	2 Colors	4 Colors
	Long Life Mode	16 hrs	16 hrs	7 hrs 30 min	Normal Mode	8 hrs	8 hrs	8 hrs	Long Life Mode	15 hrs 30 min	15 hrs 30 min	7 hrs 20 min
	Normal Mode	8 hrs	8 hrs	3 hrs 40 min					Normal Mode	8 hrs	8 hrs	3 hrs 30 min
Recharge Time	5 Hrs				5 Hrs				6 Hrs			
Light Output	2000 Lumens				1200 Lumens				4000 Lumens			
Beam Angle	15°				15°				24°			
Color Type	RGBW				RGBW				RGBW			
Color Temp	R- 625nm, G- 527nm, B- 457nm, 4000°K				R- 625nm, G- 527nm, B- 457nm, 4000°K				R- 625nm, G- 527nm, B- 457nm, 4000°K			
Operating Temp	-4° F to 113° F				-4° F to 113° F				-4° F to 113° F			
Input Power (Charging)	120-240VAC				120-240VAC				120-240VAC			
Battery Type	Li-Ion				Li-Ion				Li-Ion			
Power Connectors	Accessory				Accessory				Neutrik Powercon			
Data Connectors	Accessory				Accessory				2X- 5PXLRF			
Dimensions	6.63" Dia. x 9.5" H. (168mm Dia. x 241mm H.)				5.2" Dia x 9" H (134mm Dia. x 230mm H.)				39.38" W. x 3" D. x 6.2" H. (1000mm W. x 76.2mm D. x 157.5mm H.)			
IP Rating	65				65				65			
Weight	9.0 lbs (4.0 Kg) 6 Units & Charging Case- 115 lbs (52 Kg)				4lbs (1.8 Kg) 6 Units & Charging Case 95lbs (30 Kg)				14.3 lbs (6.5 Kg) 4 Units & Charging Case- 150 lbs (68 Kg)			
Compliance	CE				CE				CE			
PWM	Variable				Variable				Variable			

LED Event Lighting Leasing Program

QPin 300 Wireless Magnetic Pin Spot

Outdoor/indoor	
Bluetooth via CORE APP	
30 ft.	
N/A	

Output Mode	
Long Life Mode	10 hrs 30 min
Normal Mode	20 hrs

6 Hrs	
300 Lumens	
4.5°	
Warm White	
3000°K	

-4° F to 113° F	
120-240VAC	

Li-Ion	
Induction to Base Unit	
N/A	
2.19" Dia. x 11" H. (55.6mm Dia. x 279.4mm H.)	
65	
1.4 lbs (620 g) 10 Units & Charging Case- 40 lbs (18 Kg)	
CE	
N/A	

QolorPoint Wireless LED Uplighters are within your company's budget.

There is a growing rental market for LED Event Lighting equipment that is sophisticated as well as quick and easy for any lighting user to set up and use.

Four cases of QolorPoint Wireless LED Uplighters, or 24 units, can light up just about any large scale event your potential clients can have, from corporate conferences to black tie weddings.

Renting your leased uplighters for even one day per week can often lead to significant revenue, even significant return on your monthly investment. You can also sell your uplighters at the end of your lease term to increase your ROI.

Key Benefits:

• **No Upfront Costs** - You don't have to part with any capital to start leasing uplighters.

• **Defer Payments For 90 Days** - Start earning income on uplighters before you make your first payment.

• **Pay It Off Any Time, Without Penalty** - Pay off your lease in full at any time during your lease term (typically between 24 and 60 months) without fees.

• **Full Tax Deduction In The First Year** - Maximize your investment using the Section 179 Tax Deduction on equipment that adds value to your business. Consult your tax professional for more information.

Provided in partnership with Lease Corporation of America (LCA), this program offers City Theatrical's high quality LED Event Lighting products at a low fixed monthly payment with no money down. LCA is theatrically-oriented Direct Lender that has successfully facilitated over 3,500 equipment leases in all 50 states, Puerto Rico, and Canada.

Get a Quote at: mylease.leasecorp.com/index.php/citytheatrical

800.230.9497 or 201.549.1160

AutoYoke® Source Four LED
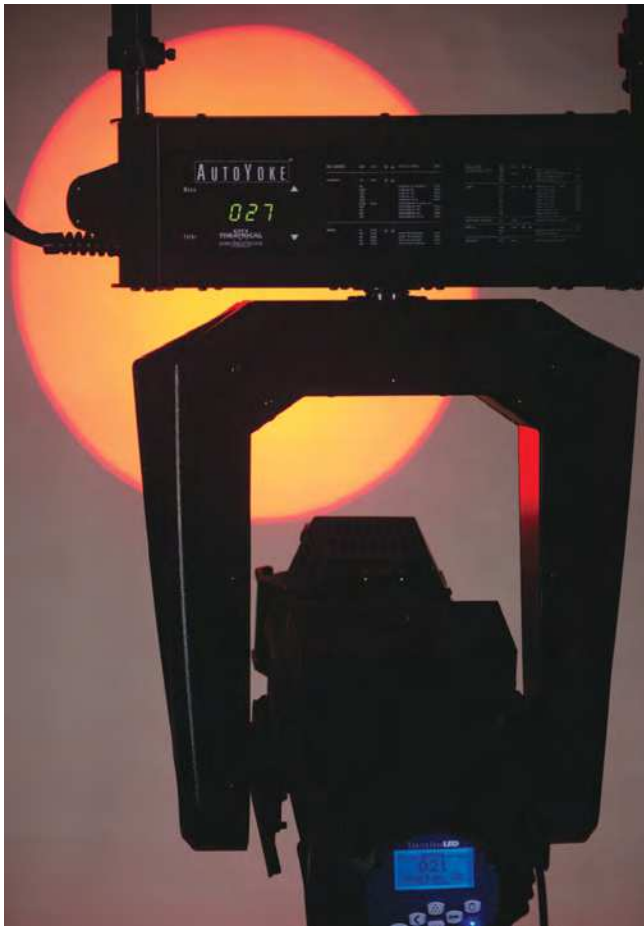
The first automated lighting solution designed for ETC's Source Four LED.

Features

- Compatible with ETC Source Four Series 1, and Series 2 LED fixtures and, ColorSource Spot.
- Creates a low-cost moving LED lighting fixture
- Designed for theatrical and studio applications
- Fully functional onboard user interface
- 8 or 16 bit DMX control
- Accuracy of movement less than 0.1°
- Lightweight
- Quiet operation

The AutoYoke Source Four LED combines the quiet operation, accuracy, reliability, and professional quality of the AutoYoke, with the brightness, built in color changing, energy efficiency, and long life of the Source Four LED, and is the solution for converting ETC's state of the art Source Four LED into a full-featured moving light. Smooth, precise, and quiet, the AutoYoke Source Four LED's DMX control allows you to pan and tilt the unit, as well as adjust the iris, and change the focus (sharpness of the beam). Since Source Four LED lighting fixtures have color changing capabilities, there's no need for color scrollers or dimmers.

AutoYoke®

The AutoYoke is the first affordable solution for converting theatrical lighting fixtures into full-featured moving lights. Smooth, accurate, and quiet, the AutoYoke's DMX control allows you to pan and tilt the unit, as well as drive color scrollers. With the AutoYoke for Ellipsoidal, the optional DMX controlled AutoIris and AutoFocus also allows you to manipulate the size and sharpness of the beam of light.
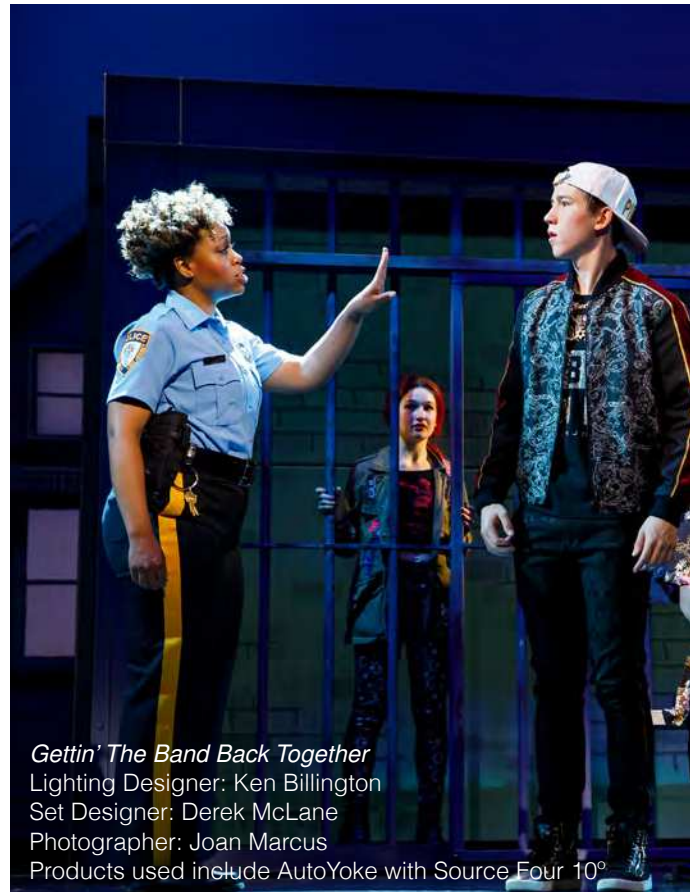
Gettin' The Band Back Together
Lighting Designer: Ken Billington
Set Designer: Derek McLane
Photographer: Joan Marcus
Products used include AutoYoke with Source Four 10°

NAME	PART NUMBER
AutoYoke Source Four LED	5001 LED
AutoYoke for S4 Ellipsoidal	5000
AutoYoke for S4 Ellipsoidal (CE Version)	5001
AutoIris for S4 Ellipsoidal	5010
AutoFocus for S4 Ellipsoidal	5020
AutoYoke with PARNel (includes fixture)	5060
AutoYoke for S4 PAR (includes fixture)	5061
15" AutoYoke Scroller Cable for Wybron Forerunner, ChromaQ, or Rainbow Pro	5035
15" AutoYoke Scroller Cable for Wybron Coloram II or CXI (reversed polarity)	5036
AutoYoke "A" Size Template Holder	5040
AutoYoke "B" Size Template Holder	5041

SPECIFICATIONS	AutoYoke for Ellipsoidal	AutoYoke for PARNel
RANGE		
Pan Range:	360˚	360˚
Tilt Range:	270˚	270˚
SPEED		
Pan Speed (360˚)	7.5 seconds	4.0 seconds
Tilt Speed (270˚)	4.0 seconds	3.0 seconds
ELECTRICAL		
Voltage:	100-240 VAC (autosensing)	100-240 VAC (autosensing)
Current:	1.3A @50/60Hz	1.3A @50/60Hz
Wattage:	40W	40W
PROTOCOL	USITT DMX 512	USITT DMX 512
Required slots:	7 Slots (16 Bit)	7 Slots (16 Bit)
	5 Slots (8 Bit)	5 Slots (8 Bit)

PDS-750 TRX™ Power/Data Supply

Part Number: 6500M NEO

City Theatrical teamed up with Philips Color Kinetics to design and develop a complete line of Power/Data Supplies for Color Kinetics professional lighting products.

The PDS-750 TRX combines advanced new LED fixture control and configuration features with multi-control protocol interoperability and powerful new data management resources in a single lighting control unit.

The PDS-750 TRX's on board user interface gives easy access to all setup and control functions including a wide range of stand alone functions that allow the unit to be used without an external lighting controller.

The units can be controlled with all popular Ethernet protocols including Streaming ACN, Art-Net, or Ki-Net, as well as wired and wireless DMX512, and are fully RDM enabled. Every unit includes a built-in SHoW DMX® Neo receiver.

The PDS-750 TRX provides full control capability for the Philips Color Kinetics ColorBlast 12 TRX, as well as 16-bit and 8-bit ColorBlast 12 TRs, iW Blast 12s, conventional 8-bit ColorBlast 12s, ColorBlast 6s, ColorSplash 2s, and other CKDMX fixtures. Each of the 12 outputs can be individually configured for the quantity of DMX slots required and the starting DMX address.

Other features include a built-in three port managed switch to provide an Ethernet pass-thru to downstream devices, and a built-in Ethernet node gateway which when using one of the Ethernet control protocols allows the assignment of any of the 12 outputs (or the DMX output) to one of two virtual DMX512 universes.

The PDS-750 TRX can also reconfigure Philips Color Kinetics LED fixtures remotely via RDM control of Zapi features.

Features

- For up to 12 Philips Color Kinetics ColorBlast 12, ColorBlast 12 TR, ColorBlast 12TRX and iWhite Blast 12 lighting fixtures
- Select the footprint for each output, from two to 10 slots per output
- Select the starting DMX address of each output
- Control by DMX512, RDM, streaming DMX and RDM over ACN, Art-Net, KiNET, or internal MasterBlast stand alone routines
- Ethernet pass through
- SHoW DMX Neo® with Maximum Bandwidth Technology receiver built in
- Built in rack mount / pipe mount ears
- USB port
- Enhanced Mini-Zapi

PDS-375 TRX™
Part Number: 6550M NEO

A silent Color Kinetics power/data supply that can operate without a fan.

The PDS-375 TRX contains all the features of the PDS-750 TRX in a six output package. The PDS-375 TRX also operates without a fan in its standard upright operating position, allowing for use in applications such as television studios, where fan noise might be objectionable. The PDS-375 TRX includes a built-in three port managed switch to provide an Ethernet pass-thru to downstream devices, and a built-In Ethernet node gateway which when using one of the Ethernet control protocols allows the assignment of any of the six outputs (or the DMX output) to one of two virtual DMX512 universes, as well as the ability to reconfigure Philips Color Kinetics LED fixtures remotely via RDM control of Zapi features.

- All the features of the PDS-750 TRX, for up to six Philips Color Kinetics ColorBlast 12, ColorBlast 12 TR, Color Blast 12TRX and iWhite Blast 12 lighting fixtures
- Carry handle/C-clamp mount
- Maximum Bandwidth Technology

PDS-375 TR™
Part Number: 6250

A lower cost Color Kinetics power/data supply with very simple setup

The PDS-375 TR is a lower cost power/data supply for up to six ColorBlast 12s that allows a starting address to be set, or allows operation in pass through mode with DMX addresses set on the individual lighting fixtures. Four rotary BCD switches allow users to set DMX address or select a range of stand alone modes.

- A budget power/data supply
- For up to six ColorBlast 12 or ColorBlast 12 TR, 12 ColorBlast 6
- Industry standard four pin XLR connectors
- Built-in mini-Zapi function
- Stand alone modes
- DMX pass through mode
- Carry handle/C-clamp mount

Summer: The Donna Summer Musical
Lighting Designer: Howell Binkley
Photographer: Joan Marcus
Products used include PDS-750

Aquafog 3300™

Part Number: 3300

Aquafog™
3 3 0 0

A new concept in dry ice fog. This water-based system is light-weight, portable, and durable, allowing you to create large amounts of billowing fog. The Aquafog 3300 features a durable molded thermoplastic tank for corrosion resistance and light weight. No more rusting steel drums to replace. The large lid lifts for easy loading of dry ice. Stainless steel pump brings heated water from the tank up to the dry ice. A 6" (152.4 mm) fan pressurizes the tank and sends the fog out to the stage.

TANK

The heart of the Aquafog 3300 is our custom designed molded plastic tank. Plastic is both lightweight and corrosion resistant, and many of the plumbing and electrical fittings use pressure seals to ensure extended leak-proof use. The large lid makes it easy to lay the ice in the machine.

ELECTRICAL

Aquafog 3300 conveniently plugs into wall outlets. Circuit breakers control the dual heating elements, fan, and pump. Indicator lights show the status of the water temperature and heating elements at a glance. A low water level cutout switch assures that the heaters will not operate if the water is low. The sophisticated adjustable water temperature circuit will bring the temperature from a range of 100 through 160 degrees (F) (38 through 71 (C)) and will maintain temperature all through your long rehearsals. The convenient 4-plug system allows for easy remote control.

DOLLY

The large rear wheels and the front swivel casters make moving a breeze.

There is simply no substitute for dry ice fog. Nothing else is as thick and hugs the ground as tightly as real dry ice fog from City Theatrical.

SPECIFICATIONS

MODEL	Aquafog 3300
Part Number	3300 (120v) / 3303 (230v)
Material	High temperature plastic polymer
Dimensions	21 1/2" x 31" x 38" (including casters) (546mm x 787mm x 965mm)
Water Capacity	28 gallons (106 litres)
Ice Capacity	75 lbs. (34kg)
Casters	3 1/2" (88.9mm) swivel front, 8" (203mm) fixed rear
Hose Vent	4" (101.6mm) molded into tank
Fill Door	20" x 30" (508mm x 762mm)
Weight Empty	115 lbs. (52kg)
Shipping Weight	130 lbs. (59kg)
Loaded Weight	455 lbs. (208.19kg)
Plumbing Fittings	All stainless, brass or high temperature plastic
Pump	Stainless steel 10GPM (37.85 litres/min.)
Heating Elements	120v 1650 watt / 230v 3000 watt (two)
Thermostat	Adjustable automatic control (100°F-160°F) (38°C-71°C)
Overtemperature	175°F (79°C) cutout, manual reset
Low water cut-out	Turns off heaters when water is low
Blower	240 CFM axial (6.799 CMM)
Circuit Breakers	20 amp on heating element 2 amp (lighted) on fan & pump

FOG ACCESSORIES

NAME	PART NUMBER
4" (101mm) Hose (25 foot, 7.6m)	3301
4" (101mm) Coupling	3311
4" (101mm) Wye	3312

Candle Lite Unlimited™

Candle Lite

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
- All candles are available with LED light source for longer battery life

NAME		PART NUMBER
Candle Kit (Incandescent)		3450
Candle Kit (LED)		3451
Candle Stick (Incandescent) 5" (127mm)		3470
Candle Stick (LED) 5" (127mm)		3471
Candle Stick (Incandescent) 12" (305mm)		3472
Candle Stick (LED) 12" (305mm)		3473
AC Adapter for One Candle		3480
AC Adapter for Six Candles		3481

Pretty Woman
Lighting Design: Kenneth Posner and Philip S. Rosenberg
Set Design: David Rockwell
Photographer: Matthew Murphy
Products used include Candle Lite Unlimited

800.230.9497 or 201.549.1160

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

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

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

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

# Eight Universe DMX Main/Backup Switch

- Used on large productions to switch to a backup console
- Entirely mechanical switches, no electronics
- One U Rack mount standard
- One multi-layer PCBA

NAME	PART NUMBER
Eight Universe DMX Main/Backup Switch	5300

Six & Twelve Way Switch Boxes

- Used to give entrance cues to actors or fly cues on the pin rail
- Electricians can also use them to turn effects on and off
- Both boxes feature two recessed 2PG inputs, and either six or twelve flush mount female 2PG outputs

4.5" (114 mm)   14" (355 mm)   7" (178 mm)

4.5" (114 mm)   7.5" (190 mm)   7" (178 mm)
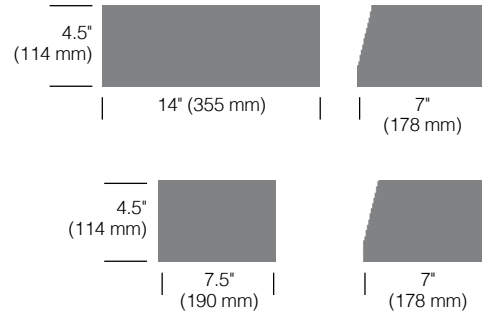
NAME	PART NUMBER
Six Way Switch Box	4100
Twelve Way Switch Box	4110

Broadway Music Stand Light

- This is the light specified by many Broadway shows and tours
- The light from the fixture stays on the music, and out of the eyes of the audience

DESCRIPTION	PART NUMBER
Broadway Music Stand Light (T-10 bulb not included)	4200

Case Study: QolorFLEX Dimmers

Project Name:	George S. and Dolores Doré Eccles Theater's Starry Sky
Location:	Salt Lake City, UT
Project Completion:	October 2016
Lighting Designer:	Cline Bettridge Bernstein Lighting Design (CBBLD)
Architects:	Pelli Clarke Pelli Architects; HKS Architects, Inc.
Lighting Control Package:	Oasis Stage Werks
City Theatrical Solution:	QolorFLEX® 4x2.5A Dimmers

Photo by iLight Technologies

Challenges

After years of conversation and research, the George S. and Dolores Doré Eccles Theater was designed as a Broadway-style urban performing arts center that celebrates the unique architecture, landscape, and skies of Salt Lake City. To capture the look of the Utah night sky within the theatre, hundreds of tiny, star-like LED lights would be suspended to look like stars over dark, acoustic material.

These tiny lights required a robust dimming solution that could work easily with low voltage LEDs to create organic-looking effects. The dimmers would also require the flexibility to be installed from a single DMX source 120 feet above the ground.

Solution

To re-create Utah's starlit sky indoors, LED strings were stretched across 78 metal frames, arranged in two layers. Within each ceiling section, the strings were separated into nine different dimmable zones, allowing for random control and cross-fading. This complex dimming scheme relies on 78 City Theatrical QolorFLEX 4x2.5A Dimmers.

"City Theatrical's QolorFLEX 4x2.5A Dimmers were our choice because they have the best dimming range for an 8VDC product, there are lots of options for setting curve and dimming cycle rates, and the great support from City Theatrical throughout the project."

- Francesca Bettridge, Principal, CBBLD

Lightwright® 6

Lightwright®6

THE PROFESSIONAL'S PAPERWORK TOOL

Increase your productivity by using both Lightwright 6 and Vectorworks Spotlight.

Lightwright, written by professional designer John McKernon, offers essential help in designing the light plot, planning dimmer and channel hookups, counting and labeling equipment, documenting and sharing changes, and organizing work notes.

New Features for Version 6

- **Live Connection with Eos Consoles**
  Raise & lower channels by choosing worksheet rows, document live cue lists, labels, and groups. Export patch & query data, compare patches, create groups, see which lights are live onstage.

- **Label Design and Printing**
  Design custom labels for lights, cable, breakouts, racks, etc. Includes Avery® label database.

- **More Vectorworks Data Exchange**
  Share Universe & DMX Address, Coordinate, Label Legend, Class, Symbol Rotation, and Inventory.

- **DMX Address Improvements**
  Up to 45,000 Universes. Dedicated Address, Universe, and Universe Address column. Show Addresses as ranges.

- **Additional**
  Maintenance List Groups - Count bodies vs. barrels; Instrument Type Database with detailed information on thousands of lights and devices; Mac Retina compatible DMX Address Map.

NAME	PART NUMBER
Personal Lightwright 6	4000
Institutional Lightwright 6	4001
Personal Upgrade from LW5 to LW6	4002
Institutional Upgrade from LW5 to LW6	4003
Student Lightwright 6	4004
Student LW5 or LW6 to Personal LW6 Upgrade	4005

System Requirements

Mac OS X 10.7 (Lion) or newer
Windows 7 (service pack 1) or newer

- At least 6GB of physical RAM,12GB or more strongly recommended

- A color monitor with at least 1024x768 resolution

- A hard drive with at least 350MB of disk space

- An internet connection for installation and use of some features

- The Console Link feature requires ETC Eos/Nomad family version 2.3.3 or newer

NOTE: *Visit our website for complete licensing terms including rules and restrictions before finalizing your purchase. Upgrades must be in the same name and serial number as the original buyer.*

Vectorworks®

Vectorworks Spotlight features bi-directional data exchange with Lightwright® 6. They work together better than ever!

Vectorworks Spotlight is the gold standard for CAD software in entertainment design. Whether you design lighting, scenery, sets, corporate events, theatrical productions, or exhibits, you can put yourself in the spotlight when you create a spectacular show.

VECTORWORKS®
A NEMETSCHEK COMPANY

Features
- 2D Components for Hybrid Objects
- Horizontal Sections
- Data Tags
- Viewport Image Effects
- Improved Collaboration with Revit
- Improved PDF Workflows
- Non-Horizontal Ceilings and Floor Support in Space Objects
- Clip Cube Viewport Option
- Point Cloud Enhancements
- Space Styles
- Layer and Class Filtering
- Vectorworks Graphics Module Support for Sheet Layers
- On Demand Tessallation
- Title Block Coordination
- Project Sharing Improvements
- Easily Handle Changes with Improved Chain Dimensions

NAME	PART NUMBER
Vectorworks Spotlight	
Vectorworks Spotlight 2019 & Renderworks	ENN-P1-NEW-SRXZ-BE
Vectorworks Spotlight 2019 & Renderworks (Upgrade from 2018)	ENN-P1-UPG-SRXZ-BE
Vectorworks Spotlight 2019 & Renderworks (Upgrade from 2017)	ENN-P1-VPG-SRXZ-BE
Vectorworks Spotlight 2019 & Renderworks (Upgrade from 2016)	ENN-P1-ZPG-SRXZ-BE
Vectorworks Designer (Includes Spotlight, Architect, and Landmark)	
Vectorworks Designer 2019	ENN-P1-NEW-CXXZ-BE
Vectorworks Designer 2019 (Upgrade from 2018)	ENN-P1-UPG-CXXZ-BE
Vectorworks Designer 2019 (Upgrade from 2017)	ENN-P1-VPG-CXXZ-BE
Vectorworks Designer 2019 (Upgrade from 2016)	ENN-P1-ZPG-CXXZ-BE
Vectorworks & Bracework Bundle	
Vectorworks Spotlight 2019 & Bracework Bundle	ENN-P1-NEW-SBXZ-BE
Vectorworks Designer 2019 & Bracework Bundle	ENN-P1-NEW-CBXZ-BE

NOTE:

Vectorworks is cross platform, and can run on both Windows and Mac. Call for information on upgrades.

800.230.9497 or 201.549.1160

53

Moving Light Assistant™

Moving lights are complex.
Moving Light Assistant keeps you organized.

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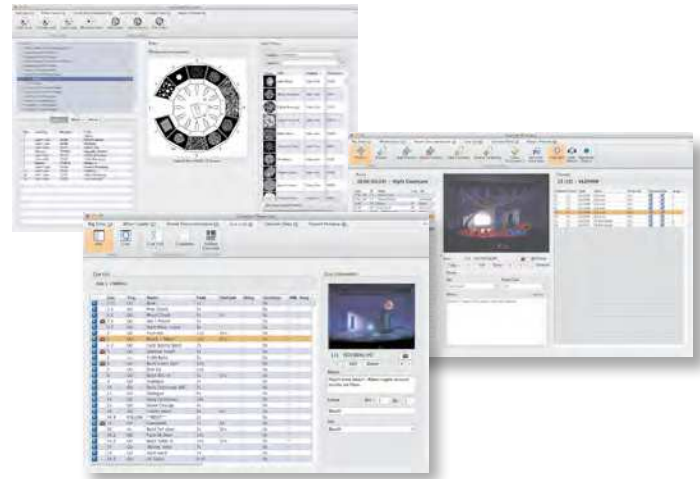
The application will run on both Apple Mac OSX (Intel only) and Microsoft Windows operating systems.

Features

- Spreadsheet view showing configuration (lenses, lamps, menu options etc.) of moving light fixtures in the rig.
- Design and Edit moving light gobo, color, and effect wheel loads.
- Integrated Gobo and Fixture library. Easily customized 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.

NAME	PART NUMBER
Personal Moving Light Assistant	3660
Student Moving Light Assistant Upgrade	3662
Institutional Moving Light Assistant	3665
Student Moving Light Assistant	3670

Head Over Heels
Lighting Design: Kevin Adams
Set Design: Julian Crouch
Photographer: Joan Marcus
Products used include Moving Light Assistant software

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.

Concentric Rings for
the GLP impression X4
(P/N 6377)

Stackers™ Tapered Top Hats

Stackers™

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

- Lightweight aluminum 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.

NAME	A	B	C	D	PART NUMBER
6 1/4" Full Top Hat	6 1/4"	5"	5"	5 3/8"	2840
6 1/4" Short Full Top Hat	6 1/4"	5 1/8"	3"	5 3/8"	2842
7 1/2" Full Top Hat	7 1/2"	6"	6"	6 3/4"	2850
7 1/2" Short Full Top Hat	7 1/2"	6 3/8"	3"	6 3/4"	2852
10" Full Top Hat	10"	8"	8"	8 7/8"	2860
10" Short Full Top Hat	10"	8 1/2"	4"	8 7/8"	2862
12" Full Top Hat	12"	10"	10"	10 3/4"	2870
12" Short Full Top Hat	12"	10 3/8"	5"	10 3/4"	2872
14" Full Top Hat	14"	12"	12"	13 3/8"	2880
14" Short Full Top Hat	14"	12 3/4"	6"	13 3/8"	2882

Stackers™ Tapered Half Top Hats

Stackers™

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

NAME	A	B	C	D	PART NUMBER
6 1/4" Half Top Hat	6 1/4"	5"	5"	5 3/8"	2841
6 1/4" Short Half Top Hat	6 1/4"	5 1/8"	3"	5 3/8"	2843
7 1/2" Half Top Hat	7 1/2"	6"	6"	6 3/4"	2851
7 1/2" Short Half Top Hat	7 1/2"	6 3/8"	3"	6 3/4"	2853
10" Half Top Hat	10"	8"	8"	8 7/8"	2861
10" Short Half Top Hat	10"	8 1/2"	4"	8 7/8"	2863
12" Half Top Hat	12"	10"	10"	10 3/4"	2871
12" Short Half Top Hat	12"	10 3/8"	5"	10 3/4"	2873
14" Half Top Hat	14"	12"	12"	13 3/8"	2881
14" Short Half Top Hat	14"	12 3/4"	6"	13 3/8"	2883

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 serve two important functions: control spill light and prevent the audience or viewers from seeing the bright and possibly distracting source of the light.
- Black flocked interior
- Call for information on optional safety cables

NAME	A	B	C	D	PART NUMBER
Gantom 1	1 3/4"	1 3/4"	1 3/4"	1 3/4"	2222
Gantom DMX FL	1 1/2"	1 1/2"	1"	1"	2232
Gantom Precision Z	1 1/4"	1 1/4"	1"	1"	2242
S4 Mini	2.76"	2.76"	2.3"	2.3"	2570
Short S4 Mini	2.76"	2.76"	1.5"	2.3'	2571
PAR 16	2 7/8"	2 7/8"	2"	2"	2455
PAR 20	3 1/4"	3 1/4"	2 1/2"	2 1/2"	2456
3" Fresnel	3 3/4"	3 3/4"	3"	3"	2457
3 1/2"Ellipsoidal	4 1/8"	4 1/8"	3 1/2"	3 1/2"	2454
D-22	5.55"	5.55"	3"	4.95"	2590
S4, SL, SH, PC*	6 1/4"	6 1/4"	5"	5"	2450
Short S4, SL, SH, PC*	6 1/4"	6 1/4"	3"	5"	2440
6" Ellipsoidal	7 1/2"	7 1/2"	6"	6"	2400
S4 PAR**	7 1/2"	7 1/2"	6"	6 3/4"	2480
Short S4 PAR**	7 1/2"	7 1/2"	3"	6 3/4"	2481
S4 PAR Round Frame**	7 1/2"	7 1/2"	6"	6 3/4"	2490
Short S4 PAR Round Frame **	7 1/2"	7 1/2"	3"	6 3/4"	2491
PAR 64 (Altman and L&E)	10"	10"	8"	8"	2453
Short PAR 64 (Altman & L&E)	10"	10"	3"	8"	2445
D-60	8 7/8"	8 7/8"	6"	8"	2580
Short D-60	8 7/8"	8 7/8"	6"	8"	2581
S4 10°, SL 10°	12"	12"	10"	10"	2452
Short S4 10°, SL 10°	12"	12"	5"	10"	2448
S4 5°	14"	14"	12"	12"	2451
SL 5°	16"	16"	14"	14"	2458
125mm	125mm	125mm	100mm	100mm	2402
185mm	185mm	185mm	150mm	150mm	2404
245mm	245mm	245mm	205mm	205mm	2406
Selador 11"	10 5/8"	5 1/16"	4 3/4"		2550

Standard Half Top Hats

- Black flocked interior
- Half Top Hats mask the beam on one side while allowing maximum light output on the other side

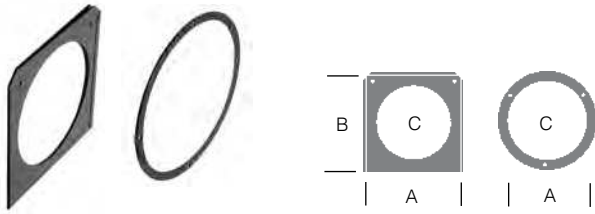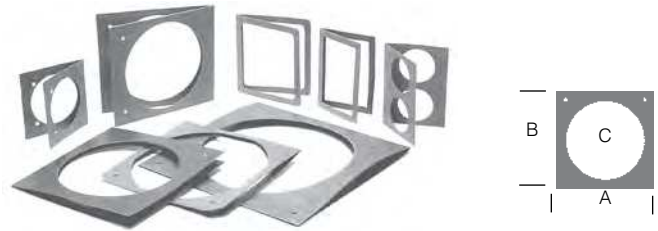| NAME	A	B	C	D	PART NUMBER
S4 Mini	2.76"	2.76"	2.3"	2.3"	2572
Short S4 Mini	2.76"	2.76"	1.5"	2.3'	2573
PAR 16	2 7/8"	2 7/8"	2"	2"	2465
PAR 20	3 1/4"	3 1/4"	2 1/2"	2 1/2"	2466
3" Fresnel	3 3/4"	3 3/4"	3"	3"	2467
3 1/2" Ellipsoidal	4 1/8"	4 1/8"	3 1/2"	3 1/2"	2464
D-22	5.55"	5.55"	3"	4.95"	2591
S4, SL, SH, PC*	6 1/4"	6 1/4"	5"	5"	2460
Short S4, SL, SH, PC*	6 1/4"	6 1/4"	3"	5"	2441
6" Ellipsoidal	7 1/2"	7 1/2"	6"	6"	2420
S4 PAR**	7 1/2"	7 1/2"	6"	6 3/4"	2482
Short S4 Par	7 1/2"	7 1/2"	3"	6 3/4"	2482S
S4 PAR Round Frame**	7 1/2"	7 1/2"	6"	6 3/4"	2492
PAR 64 (Altman and L&E)	10"	10"	8"	8"	2463
D-60	8 7/8"	8 7/8"	6"	8"	2582
S4 10°, SL 10°	12"	12"	10"	10"	2462
S4 5°	14"	14"	12"	12"	2461
SL 5°	16"	16"	14"	14"	2468
125mm	125mm	125mm	100mm	100mm	2442
185mm	185mm	185mm	150mm	150mm	2444
245mm	245mm	245mm	205mm	205mm	2446
Kreios FL 60w and FLx 90w	239mm	239mm	108mm	156mm	2541

* 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.

800.230.9497 or 201.549.1160

Color Frames

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

NAME	A	B	C	PART NUMBER
D-22	5.55"	5.55"	3"	2593
S4, SL, SH, PC*	6 1/4"	6 1/4"	5"	2350
S4, SL, SH, PC*, Aluminum	6 1/4"	6 1/4"	5"	2350A
6" Ellipsoidal	7 1/2"	7 1/2"	6"	2300
S4 PAR**	7 1/2"	7 1/2"	6 3/4"	2487
S4 PAR** (Round)	7 1/2"	7 1/2"	6 3/4"	2497
MiniStrip (rect opening)	4 11/16"	3 5/16"		2319
R40	5 3/4"	6 3/4"	5"	2320
City Ground Cyc	8 3/4"	13"	——	2321
PAR 64	10"	10"	8"	2322
S4 10°, SL 10°	12"	12"	10"	2328
S4 5°	14"	14"	12"	2329
City Sky Cyc	15 1/2"	15 7/8"	——	2330
City Far Cyc	14 3/4"	15 1/2"	——	2338
SL5°	16"	16"	14"	2348
125mm	125mm	125mm	100mm	2302
185mm	185mm	185mm	150mm	2304
245mm	245mm	245mm	205mm	2306

* 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 color frames
- Simple, safe, and inexpensive
- Secures with a single heavy-duty staple
- Available in a wide range of sizes

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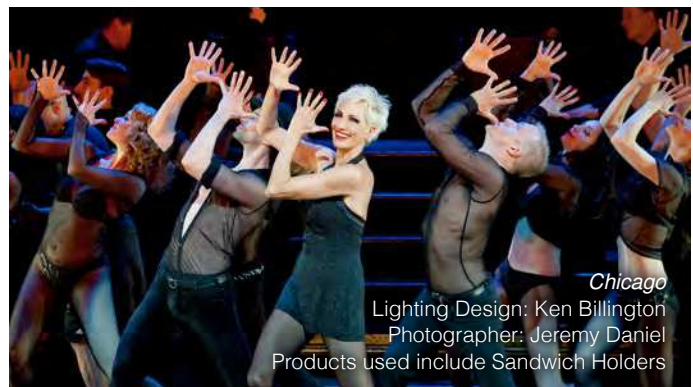
Chicago
Lighting Design: Ken Billington
Photographer: Jeremy Daniel
Products used include Sandwich Holders

Holders for Glass Gobos

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"	NAME
4 11/16"	3 3/4"	3 11/16"	4 11/16"	4 11/16"	2 11/16"	3 1/8"	4 3/16"	A
3 3/16"	2 3/4"	2 3/4"	2 3/4"	2 3/4"	2 5/32"	1 5/8"	2 3/4"	B
100mm	82mm	86mm	86mm	82mm	66mm	48mm	82mm	GLASS OD
2171	2170	2173	2178	2172	2175	2166	2146	PART NUMBER

SL 86mm OD glass*	Selecon Pacific 86mm OD glass*	Selecon Acclaim Axial	360Q/ Shakespeare	SL "B" Old Style	SL "B" Tabbed	S4 "A" Tabbed (Iris Slot)	S4 "B" Tabbed	NAME
4 3/16"	4 1/2"	3 3/4"	3 5/16"	3 1/2"	4 3/16"	4 11/16"	3 11/16"	A
2 3/4"	2 27/32"	2 1/8"	2 3/4"	3"	2 3/4"	3 3/16"	2 3/4"	B
86mm	86mm	66mm	82mm	82mm				GLASS OD
2147	2115	2105	2130	2140	2041	2051	2061	PART NUMBER

Holders for Metal Gobos

- Large heat resistant ring pulls
- Aluminum construction acts as a heat sink to minimize pattern warpage

S4 "A"	S4 "B"	S4 Jr. "M"	SL "B"	Selecon Pacific "B"	360Q/ Shakespeare	Colortran Style (5/50 Series)	Selecon Acclaim Axial	SL"B" Tabbed	S4 "A" Tabbed	S4 "B" Tabbed	NAME
3 11/16"	3 11/16"	2 11/16"	4 3/16"	4 1/2"	3 5/16"	4"	3 3/4"	4 3/16"	3 11/16"	3 11/16"	A
3 3/16"	2 3/4"	2 5/32"	2 3/4"	2 3/4"	2 3/4"	3 1/16"	2 1/8"	2 3/4"	3 3/16"	2 3/4"	B
2150	2160	2165	2144	2114	2120	2190	2106	2040	2050	2060	PART NUMBER

800.230.9497 or 201.549.1160

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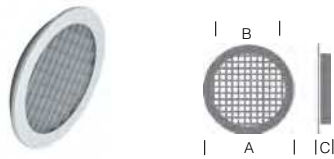
Egg Crate Louvers serve a similar function to a Top Hat, but do so in only 1/2" of depth. A 45 degree cut-off is obtained by using cells that are 1/2" x 1/2", by 1/2" deep. Egg Crate Louvers give a sleek appearance to the lighting fixture while providing good beam control.

NAME	A	B	C	PART NUMBER
S4 PAR Egg Crate Louver *	6"	7 1/2"	1/2"	2485
185mm	165mm	185mm	13mm	2486
S4 Ellipsoidal	6 1/4"	5 1/4"	1/2"	2499
D-22	5 1/2"	4 3/4"	5 /16"	2592
D-60	8 7/8"	7 7/8"	1/2"	2585
Selador 11"	10 5/8"	5 1/16"	1/2"	2552

*Fits D-40

Donuts
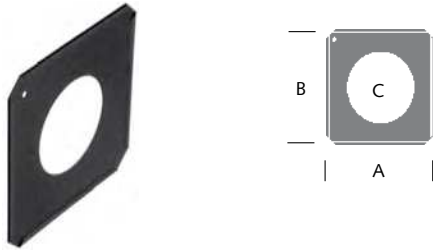
- Used to help bring templates into perfect sharpness
- Fabricated from light gauge steel
- Durable black powdercoat finish

NAME	A	B	C	PART NUMBER
S4, SL, SH, PC* (3 3/16" center hole)	6 1/4"	6 1/4"	3 3/16"	2250
S4, SL, SH, PC* (2 1/2" center hole) **	6 1/4"	6 1/4"	2 1/2"	2260
6" Ellipsoidal, S4 Zoom	7 1/2"	7 1/2"	3"	2200
S4 10°, SL 10°	12"	12"	6"	2252
S4 5°	14"	14"	7"	2251
S4 Mini	2.76"	2.76"	2.3"	2575
S4 Mini White	2.76"	2.76"	2.3"	2575W
SL 5°	16"	16"	7"	2258
125mm	125mm	125mm	81mm	2208
185mm	185mm	185mm	81mm	2210

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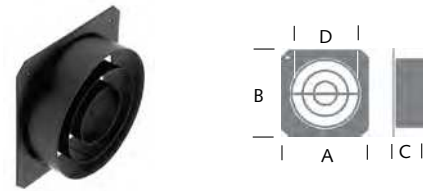
- Offers full control of stray beams and spill
- Fabricated from light gauge steel with hemmed edges
- Comparable function to a full 6 inch Top Hat
- Black powdercoat finish

NAME	A	B	C	D	PART NUMBER
S4 PAR	7 1/2"	7 1/2"	2"	6 3/4"	2484
185mm	185mm	185mm	51mm	171mm	2494
PAR 64	10"	10"	2"	8"	2493

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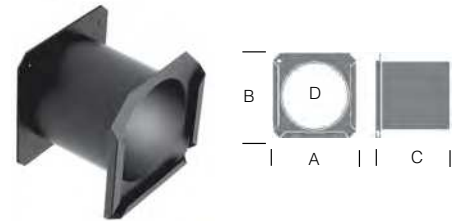
- Saves both time and aggravation by preventing gel burnout
- Fabricated from durable cold rolled steel with hemmed edges
- Gel materials are placed in slot at front of unit, forward of the fixture's focal plane
- Available in white, see page 52 for information

NAME	A	B	C	D	PART NUMBER
S4, SL, SH, PC*	6 1/4"	6 1/4"	5"	5"	2470
Short S4, SL, SH, PC*	6 1/4"	6 1/4"	3"	5"	2471
6" Ellipsoidal	7 1/2"	7 1/2"	6"	6"	2410
Short 6" Ellipsoidal	7 1/2"	7 1/2"	3"	6"	2430
S4 PAR**	7 1/2"	7 1/2"	6"	6 3/4"	2483
Short S4 PAR**	7 1/2"	7 1/2"	3"	6 3/4"	2483A
PAR 64 (Altman and L&E)	10"	10"	5"	8"	2473
125mm	125mm	125mm	76mm	100mm	2474
185mm	185mm	185mm	127mm	150mm	2476
245mm	245mm	245mm	127mm	205mm	2478

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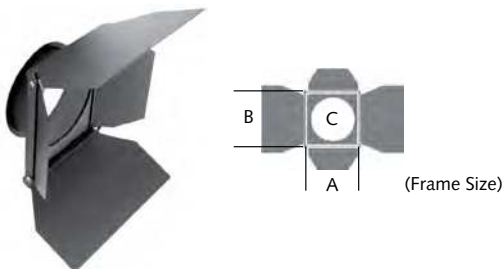
Barndoors provide adjustable beam control. Movable doors can be set to cut off stray beams where needed, such as off of scenery or projection screens.

(Frame Size)

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

*Fits D-40

Image Multiplexer™

6 1/4"   2 1/2"
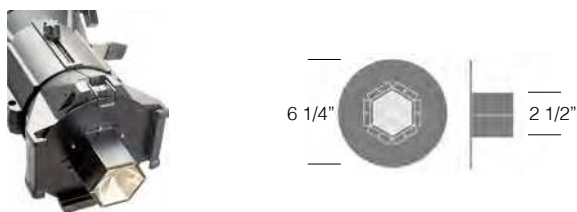
The Image Multiplexer expands and multiplies gobo images from standard stage lighting instruments. It is a lens accessory which drops into the color frame slot.

NAME	PART NUMBER
Image Multiplexer	1450

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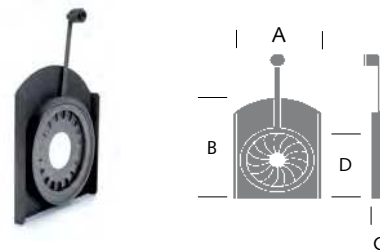
- Offers precise, smooth control of beam size
- Specially made leaves are tempered and heat resistant to over 1000°F
- CTI Irises carry a limited lifetime warranty (See website for details)

NAME	A	B	C	D	PART NUMBER
Source Four Iris	4 25/32"	5 7/16"	1/2"	3"	2180
Source Four Jr. Iris	3 1/8"	4 9/32"	1/2"	2 5/16"	2185
Strand SL Iris	4 3/16"	5 3/16"	1/2"	3"	2186
Selecon Pacific Iris	4 31/64"	5 63/64	1/2"	3"	2187

Adapter

6 1/4" to 7 1/2" unit allows use of 7 1/2" accessories (color 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.

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

Source Four PAR Cross Baffle Top Hat

Provides 45° cut off in architectural installations.

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

Martin® Accessories

NAME		PART NUMBER	NAME		PART NUMBER
MAC 700 Profile Tophat		2757	MAC 700 Wash Top Hat		2758
MAC 2000 Top Hat (fits Performance and Profile)		2760	MAC 2000 Wash Top Hat		2762
MAC 2000 Sound Baffle (Per pair, one pair required per fixture)		2770	MAC Viper Performance Top Hat MAC Viper Wash DX Top Hat MAC Viper Wash DX Concentric Ring MAC Viper Wash DX Hexcel Louver		2772 2774 2775 2776
MAC TW1 Top Hat		2780	MAC TW1 Color Frame		2782
MAC TW1 Louver		2783	MAC Atomic 3000 Strobe Barndoor		2785
MAC III Follow Spot Handle		2790	MAC Aura Concentric Ring		2791
MAC Aura Top Hat		2792	MAC Aura Egg Crate		2793
MAC Quantum Wash Hexcel Louver		2794	MAC Quantum Wash Concentric Ring		2795
			MAC Encore Performance Top Hat		2778

GLP X4® Accessories

NAME		PART NUMBER
GLP X4 Concentric Ring GLP X4XL Concentric Ring		6375 6377

We can make Beam Shaping Accessories for any Lighting Fixture. Call us and we can help you solve your lighting challenges.

www.citytheatrical.com

Vari-Lite® Accessories

NAME		PART NUMBER	NAME		PART NUMBER
VL5 Full Concentric Ring		2645	VL2000,VL2500 Top Hat		2650
VL2000,VL2500 Wide Top Hat		2650 WIDE	VL3000 Spot, VL3000 Wash, and VL3500 Spot Top Hat		2652
VL3500 Wash Top Hat		2653	VLX Top Hat		2660
VL3000 Wash Concentric Ring (not pictured)		2654	VL500/1000 Floor Stand		2698
VLX Louver		2661			

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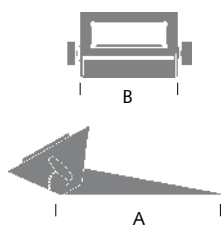
- Attaches easily to any 6 1/4" Source Four®, Strand SL™, Shakespeare™, or Selecon Pacific™ ellipsoidal
- Ideal for shooting around scenery or other obstruction
- Adjustable mirror for controlling angle and spread of beam
- Especially useful for dance designers needing maximum light output at floor level

NAME	A	B	PART NUMBER
Beam Bender 6 1/4"	12"	7"	1400
Beam Bender 7 1/2"	14 3/4"	8 1/2"	1401
Beam Bender S4 Mini	5 1/2"	3 1/16"	1402

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

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

800.230.9497 or 201.549.1160

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 color 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

NAME	PART NUMBER
Follow Spot Yoke for Source Four, Includes pan bearing	1500
Follow Spot Yoke for Source Four LED, Includes pan bearing	1502
NEW Follow Spot Yoke for Chauvet Ovation	1515
Source Four to Source Four LED Retrofit Kit	1505

Once On This Island
Lighting Design: Jules Fisher + Peggy Eisenhauer
Set Design: Dane Laffrey
Photographer: Sara Krulwich
Products used include
Follow Spot Yoke

Follow Spot Drop In Iris

- Offers precise, smooth control of beam size
- Specially made leaves are tempered and heat resistant to over 1000°F
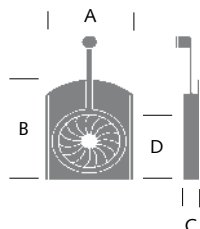
NAME	A	B	C	D	PART NUMBER
Source Four Iris	4 25/32"	5 7/16"	1/2"	3"	2180

Follow Spot Pan Bearing

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

NAME	PART NUMBER
Pan Bearing	1510

Follow Spot Manual Color Changer

- A six frame manual color changer
- 12" x 12" size fits S4 10° and Strand SL 10°
- 14" x 14" size fits S4 5°

NAME	PART NUMBER
Manual Color Changer 12" X 12"	1530
Manual Color Changer 14" X 14"	1535

Follow Spot Drop In Boomerang

- Holds six colors
- 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

NAME	A	B	C	D	PART NUMBER
Drop-in Boomerang 6 1/4"	11"	11"	4"	5 1/2"	1410
Drop-In Boomerang 7 ½"	13 3/4"	13"	5"	6 1/2"	1411
Boomerang Handle					1415

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

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

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

NAME	PART NUMBER
Follow Spot Yoke Handle	1520

800.230.9497 or 201.549.1160

Color Force™/Color Kinetics® Accessories

Top Hats

PHILIPS COLOR KINETICS

Control light spill and decrease viewing angle to lens.
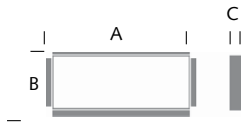
NAME	A	B	C	PART NUMBER
Top Hat, ColorBlast 12, White *	12 1/2"	5 1/4"	3"	120-000005-03
Top Hat, ColorBlast 12, Black *	12 1/2"	5 1/4"	3"	120-000005-04
Top Hat, ColorBlast 6, White *	5 5/8"	4 5/8"	3"	120-000006-03
Top Hat, ColorBlast 6, Black *	4 5/8"	4 5/8"	3"	120-000006-04
Top Hat, ColorReach TR	24 3/4"	18"	12"	120-000092-00

Half Top Hats

PHILIPS COLOR KINETICS

Control light spill and decrease viewing angle to lens.
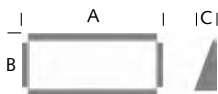
NAME	A	B	C	PART NUMBER
Half Top Hat, ColorBlast 12, White *	12 1/2"	5 1/4"	3" tapering to 1/2"	120-000009-03
Half Top Hat, ColorBlast 12, Black *	12 1/2"	5 1/4"	3" tapering to 1/2"	120-000009-04
Half Top Hat, ColorBlast 6, White *	5 5/8"	4 5/8"	3" tapering to 1/2"	120-000010-03
Half Top Hat, ColorBlast 6, Black *	5 5/8"	4 5/8"	3" tapering to 1/2"	120-000010-04
Half Top Hat, ColorReach TR	24 3/4"	18"	12"	120-000093-00

Accessory Holders

PHILIPS COLOR KINETICS

Accessory Holders attach to the side of the lighting fixture (using the fixture's pre-tapped holes) to allow the user to insert a range of accessories. They provide a secure mounting platform, prevent accessories from falling out if the unit is tipped or hung upside down, block any stray spill light from the fixture, and can often accommodate more than one accessory. They are required for mounting any additional accessories to ColorBlaze or ColorBlast fixtures.

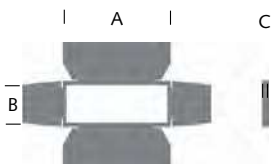| NAME	A	B	C	PART NUMBER
Accessory Holder, ColorBlaze 72, White	68"	1/2"	1/2"	120-000001-00
Accessory Holder, ColorBlaze 72, Black	68"	1/2"	1/2"	120-000001-01
Pro Series Accessory Holder, ColorBlaze 72, White	68"	1/2"	1/2"	120-000001-02
Pro Series Accessory Holder, ColorBlaze 72, Black	68"	1/2"	1/2"	120-000001-03
Accessory Holder, ColorBlaze 48, White	46"	1/2"	1/2"	120-000002-00
Accessory Holder, ColorBlaze 48, Black	46"	1/2"	1/2"	120-000002-01
Pro Series Accessory Holder, ColorBlaze 48, White	46"	1/2"	1/2"	120-000002-02
Pro Series Accessory Holder, ColorBlaze 48, Black	46"	1/2"	1/2"	120-000002-03
Accessory Holder, ColorBlast 12, White	12 3/4"	5 1/2"	1/2"	120-000003-03
Accessory Holder, ColorBlast 12, Black	12 3/4"	5 1/2"	1/2"	120-000003-04
Accessory Holder, ColorBlast 6, White	6 1/2"	5 1/2"	1/2"	120-000004-03
Accessory Holder, ColorBlast 6, Black	6 1/2"	5 1/2"	1/2"	120-000004-04
Accessory Holder, ColorBlast 12, Powercore, White	12 3/4"	6 3/4"	1"	6223W
Accessory Holder, ColorBlast 12, Powercore Black	12 3/4"	6 3/4"	1"	6223
Accessory Holder, ColorBlast 12, Powercore, Sideload, White	12 3/4"	6 3/4"	1"	6224W
Accessory Holder, ColorBlast 12, Powercore, Sideload, Black	12 3/4"	6 3/4"	1"	6224
Accessory Holder, ColorBlast 12, Powercore, Gen 4	12.68"	6.61"	.64"	6225
Accessory Holder, ColorReach TR, w/Yoke, Black	26"	18 1/2"	1 7/16"	120-000090-00
Accessory Holder, ColorReach TR, w/Yoke & Data Enabler Tray, Black	26"	18 1/2"	1 7/16"	120-000090-01

Egg Crate Louvers
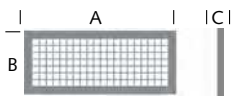
Controls light spill and provides 45 degree cutoff.

NAME	A	B	C	PART NUMBER
Egg Crate Louver for ColorBlast 12, White *	12 1/2"	5 1/4"	1/2"	120-000015-03
Egg Crate Louver for ColorBlast 12, Black *	12 1/2"	5 1/4"	1/2"	120-000015-04
Egg Crate Louver for ColorBlast 6, White *	5 5/8"	4 5/8"	1/2"	120-000016-03
Egg Crate Louver for ColorBlast 6, Black *	5 5/8"	4 5/8"	1/2"	120-000016-04
Egg Crate Louver for Blast 12 TR, White	11 7/8"	4"	5/8"	6346W
Egg Crate Louver for Blast 12 TR, Black	11 7/8"	4"	5/8"	6346
Egg Crate Louver for ColorReach	24 3/4"	18"	2 1/4"	120-000091-00

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.

NAME	A	B	C	PART NUMBER
Barndoor, ColorBlast 12, White *	16 1/2"	6 1/4"	1"	120-000019-03
Barndoor, ColorBlast 12, Black *	16 1/2"	6 1/4"	1"	120-000019-04
Barndoor, ColorBlast 6, White *	10 1/4"	6 1/4"	1"	120-000020-03
Barndoor, ColorBlast 6, Black *	10 1/4"	6 1/4"	1"	120-000020-04
Barndoor, Blast 12 TR, White	13 3/16"	4"	2 7/16"	6340W
Barndoor, Blast 12 TR, Black	13 3/16"	4"	2 7/16"	6340
Barndoor, ColorReach TR	24 3/4"	18"	1"	120-000094-00

Glass Spread Lenses
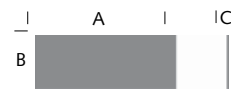
Glass Spread Lenses are available to spread the beam from the standard beamspread of 22° out to 36°, 40°, or 50° (the 36°/ 50° lens projects 36° when inserted with the ribs on the lens facing out, and 50° with the ribs facing in). Glass Spread Lenses drop into Accessory Holders and can be used in conjunction with Top Hats, Half Top Hats, or Egg Crate Louvers.

NAME	A	B	C	PART NUMBER
Glass Spread Lens for ColorBlaze 72, 36°(ribs out) /50°(ribs in) horizontal spread only (set of 4)	17"	6 5/8"	1/8"	120-000023-00
Glass Spread Lens for ColorBlaze 72, 40° horizontal/vertical spread (set of 4)	17"	6 5/8"	1/8"	120-000023-01
Glass Spread Lens for ColorBlaze 48, 36°(ribs out) /50°(ribs in) horizontal spread only (set of 3)	14 7/8"	6 5/8"	1/8"	120-000024-00
Glass Spread Lens for ColorBlaze 48, 40° horizontal/vertical spread (set of 3)	14 7/8"	6 5/8"	1/8"	120-000024-01
Glass Spread Lens for ColorBlast 12, 36°(ribs out) /50°(ribs in) horizontal spread only. *	12 1/2"	5 1/4"	1/8"	120-000025-00
Glass Spread Lens for ColorBlast 12, 40° horizontal/vertical spread.*	12 1/2"	5 1/4"	1/8"	120-000025-01
Glass Spread Lens for ColorBlast 6, 36°(ribs out) /50°(ribs in) horizontal spread only.	6 1/4"	5 1/4"	1/8"	120-000026-00
Glass Spread Lens for ColorBlast 6, 40° horizontal/vertical spread.	6 1/4"	5 1/4"	1/8"	120-000026-01

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

Color Kinetics® Holographic Lenses

Polycarbonate Holographic Lenses are available in a variety of symmetrical and asymmetrical beamspreads to fit most lighting needs. These lenses will fit directly (no extra accessory holder needed) into ColorBlast 12 TR and iW Blast TR , and with the PN 6319 Lens Adapter they can be used in ColorBlast 12, and ColorBlast 12 Powercore (accessory holder required).

NAME	PART NUMBER
Blast 12 TR 10° Lens	6310
Blast 12 TR 20° Lens	6311
Blast 12 TR 30° Lens	6312
Blast 12 TR 40° Lens	6313
Blast 12 TR 60° Lens	6314
Blast 12 TR 30° x 1° Lens	6315
Blast 12 TR 30° x 5° Lens	6316
Blast TR 40° x .02° Lens	6317
Blast 12 TR 60° x 10° Lens	6318
Lens Adapter	6319
Blast 12 Symmetric Lens Kit (five lenses)	6320
Blast 12 Asymmetric Lens Kit (four lenses)	6321

Straight White Men
Lighting Design: Donald Holder
Set Design: Todd Rosenthal
Photographer: Joan Marcus
Products used include Color Kinetics Accessories

Color Kinetics® Diffusion Frames

Metal frames to allow insertion of diffusion material to increase beamspread or to decrease visibility of individual LEDs when viewed directly.

NAME	PART NUMBER
ColorBlaze 72, White (Set of 3)	120-000030-00
ColorBlaze 72, Black (Set of 3)	120-000030-01
ColorBlaze 48, White (Set of 2)	120-000031-00
ColorBlaze 48, Black (Set of 2)	120-000031-01
ColorBlast 12, White. *	120-000032-03
ColorBlast 12, Black. *	120-000032-04
ColorBlast 6, White. *	120-000033-03
ColorBlast 6, Black. *	120-000033-04
ColorReach TR Diffusion Frame, PN	120-000095-00

* Also fits AC Lighting Color Force / Studio Force

Color Kinetics® Replacement Glass

Factory replacement clear glass for Color Kinetics Fixtures.

NAME	A	B	C	PART NUMBER
Replacement Glass for ColorBlast 12, Frosted	12 1/2"	5 1/4"	1/8"	6210
Replacement Glass for ColorBlast 6, Frosted	6 1/4"	5 1/4"	1/8"	6214
CTI Install New Glass in ColorBlast 12, Frosted	12 1/2"	5 1/4"	1/8"	6220
Replacement Glass for ColorBlast 12, Clear	12 1/2"	5 1/4"	1/8"	6212
Replacement Glass for ColorBlast 6, Clear	6 1/4"	5 1/4"	1/8"	6216
CTI Install New Glass in ColorBlast 12, Clear	12 1/2"	5 1/4"	1/8"	6222
Adhesive for CK replacement glass 12 Fl OZ				6205

Did You Know?

Did you ever wonder why we flock the interiors of our Top Hats? Even flat black paint can be somewhat reflective and can produce bounce. The legendary Broadway and architectural lighting designer Jules Fisher requested that we develop a way to eliminate this bounce so the beam could be better controlled. Early methods included using sawdust glued to the interior of the top hat and painted black. That concept worked quite well, and we developed a more advanced process that utilized a black material that is flameproof and easier to apply. Designers understand the benefits of this and request it on most accessories.

800.230.9497 or 201.549.1160

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

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

Lighting Shield
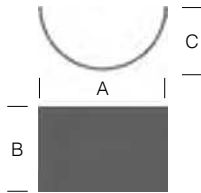
This half cylinder shield hides your floor mounted units

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

ETC S4 LED Cyc Base

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

NAME	PART NUMBER
ETC S4 LED Cyc Base	4305

10" Boom Base

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

NAME	PART NUMBER
10" Boom Base	4300

Boom Tie Off

- Fits 1 1/2" pipe
- Rugged 1/2" steel rod welded to both sides of cap to withstand heavy lifting

NAME	A	PART NUMBER
Boom Tie Off	5"	1310

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

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

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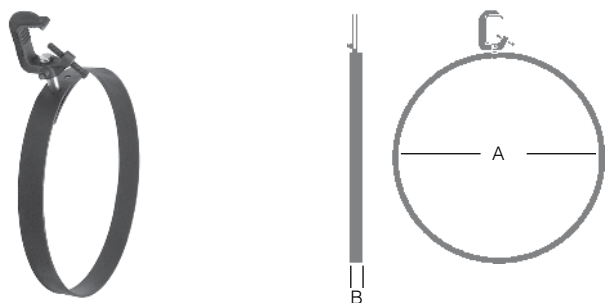
- 18" diameter ring attaches to fixture pipe with included C-clamp
- Protects fixtures from flying drops and passing scenery
- Saves refocusing time
- Includes C-clamp
- 3/16" steel construction, weight 8 lbs.

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

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

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

Cable Hook

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

NAME	PART NUMBER
Cable Hook	1330

Sliding Tee

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

NAME	PART NUMBER
Sliding Tee	1130

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.

NAME	PART NUMBER
Projector Hanger	1140

Moving Light Hangers™
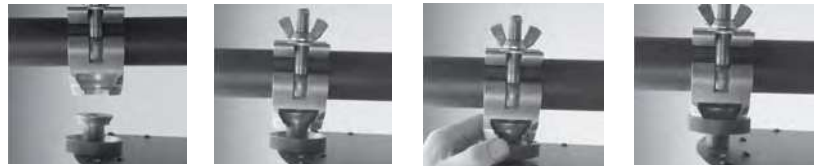
- Patented flexible Tee Slot System
- Allows the user to hang and register a moving light to a predictable position

- Allows for fast and easy replacement of moving lights
- No refocusing of moving lights required
- Call for custom variations

NAME		USAGE	PART NUMBER
Tee Slot		Hang from scenery	130
Tee Slot for Unistrut®		Hang from Unistrut	137
Tee Slot w/integral Split Coupler		Hang from pipe or truss	138
Tee Head with Knob		Attach to moving light or conventional fixture. Use with 130, 137, or 138	135
Dual round Tee Head w/ Spacer Bar for VL2000/ VL3000/VL3500		Stiffens the channels on top of VL2000/ VL3000	142
Dual round Tee Head w/ Spacer Bar for Mac2000/ Mac700		Stiffens the Omega clamp on top of MAC 2000	143
Tee Slot Alignment Tool (not shown)		Perfectly spaces pairs of Tee Slots on 10" Center	190

Track Tamers™

If you have ever hung a lighting fixture with a standard Unistrut nut you'll understand why we recommend Track Tamers instead. With a standard Unistrut nut, the nut is not solidly seated in the track and it's easy for it to become dislodged, creating a dangerous situation for the electrician and those beneath him. Our Track Tamers seat solidly in the track, and **separate the lock down of the track from the lock down of the lighting fixture**. Track Tamers are faster, easier, and safer, and they have a rated working load of 500 lbs. (226 kg).

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

800.230.9497 or 201.549.1160

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. Our 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.

NAME		PART NUMBER
Steel Safer Sidearm (Uses 1 ½" pipe, not included)) For hanging moving lights or speakers		210
Safer Sidearm Original (uses ½" pipe)		200
Safer Sidearm Original w/ 18" of ½" pipe and one sliding tee		202
Safer Sidearm Original w/ 24" of ½" pipe and two sliding tees		204
Safer Sidearm Junior		220
Pipe end tail down (includes 6' of 1 ½" pipe)		290
1 ½" Pipe (per foot) Drilled for Steel Safer Sidearm	(Photo not shown)	211

Breakaways

A complete range of bottles and glasses in a variety of colors, sizes, and shapes.

- Easy and safe way to simulate breaking glass in productions
- Breaks into realistic "glass" pieces
- Bottles and glasses sold in cases of six (6)

Beer Bottle Long Neck (Clear)	Beer Bottle Long Neck (Brown)	Beer Bottle Long Neck (Green)	Beer Bottle Short Neck (Clear)	Beer Bottle Short Neck (Brown)	Beer Bottle Short Neck (Green)	Whiskey Bottle (Clear)	Whiskey Bottle (Brown)	Whiskey Bottle (Green)	NAME
9"	9"	9"	7 3/4"	7 3/4"	7 3/4"	10 7/8"	10 7/8"	10 7/8"	SIZE
3910	3911	3912	3913	3914	3915	3920	3921	3922	PART NUMBER

White Wine Bottle (Clear)	White Wine Bottle (Brown)	White Wine Bottle (Green)	Red Wine Bottle (Clear)	Red Wine Bottle (Brown)	Red Wine Bottle (Green)	Coca-Cola Bottle (Traditional)	Medicine Bottle (Traditional)	Water Glasses (Short & Tall)	NAME
11 1/2"	11 1/2"	11 1/2"	11 1/4"	11 1/4""	11 1/4"	7 3/4"	5 1/2"	3 1/4" / 5 1/4"	SIZE
3930	3931	3932	3940	3941	3942	3950	3951	3970 / 3971	PART NUMBER

Sample Box available with one (1) of each: Brown Whiskey, Green Red Wine, Clear White Wine, Green Beer (Short Neck), Brown Beer (Long Neck), and Coca-Cola Bottle (Traditional).

Please visit our website for important Breakaways shipping information.

800.230.9497 or 201.549.1160

Custom Manufacturing

City Theatrical specializes in designing and producing unique lighting accessories to meet the exact needs of lighting professionals. When you need something made that is not in our catalog, or anyone else's catalog, call us and we can make it for you.

Call us to discuss what we can do for your products.

USA: 201 549 1160   UK: +44 (0) 20 8949 5051

Facilities

City Theatrical has a beautiful 40,000 s.f. manufacturing facility in Carlstadt, NJ, just across the Hudson River from midtown Manhattan, and a sales and distribution office in London, England. Our factory is filled with computerized production machinery and skilled product developers, engineers, fabricators, and assemblers. Besides our catalog products, we manufacture a wide range of parts and products for numerous companies in the entertainment and architectural lighting industries. We are always looking for more OEM manufacturing relationships.

Our In-House Capabilities

- Product design and development
- Software design including DMX and RDM
- Circuit design, development, and manufacturing (through-hole, SMT and mixed; all lead free)
- Automated wire cutting, stripping, and wire harness fabrication
- CE and ETL compliance
- Sheet metal fabrication (high volume stamping, Fiber Laser, CNC punching, bending, welding, etc.)
- Machine shop (turning, milling, etc.)
- Metal spinning
- Powder coating
- Electromechanical assembly and testing
- Fast turnaround manufacturing
- Warehousing, packing, and shipping
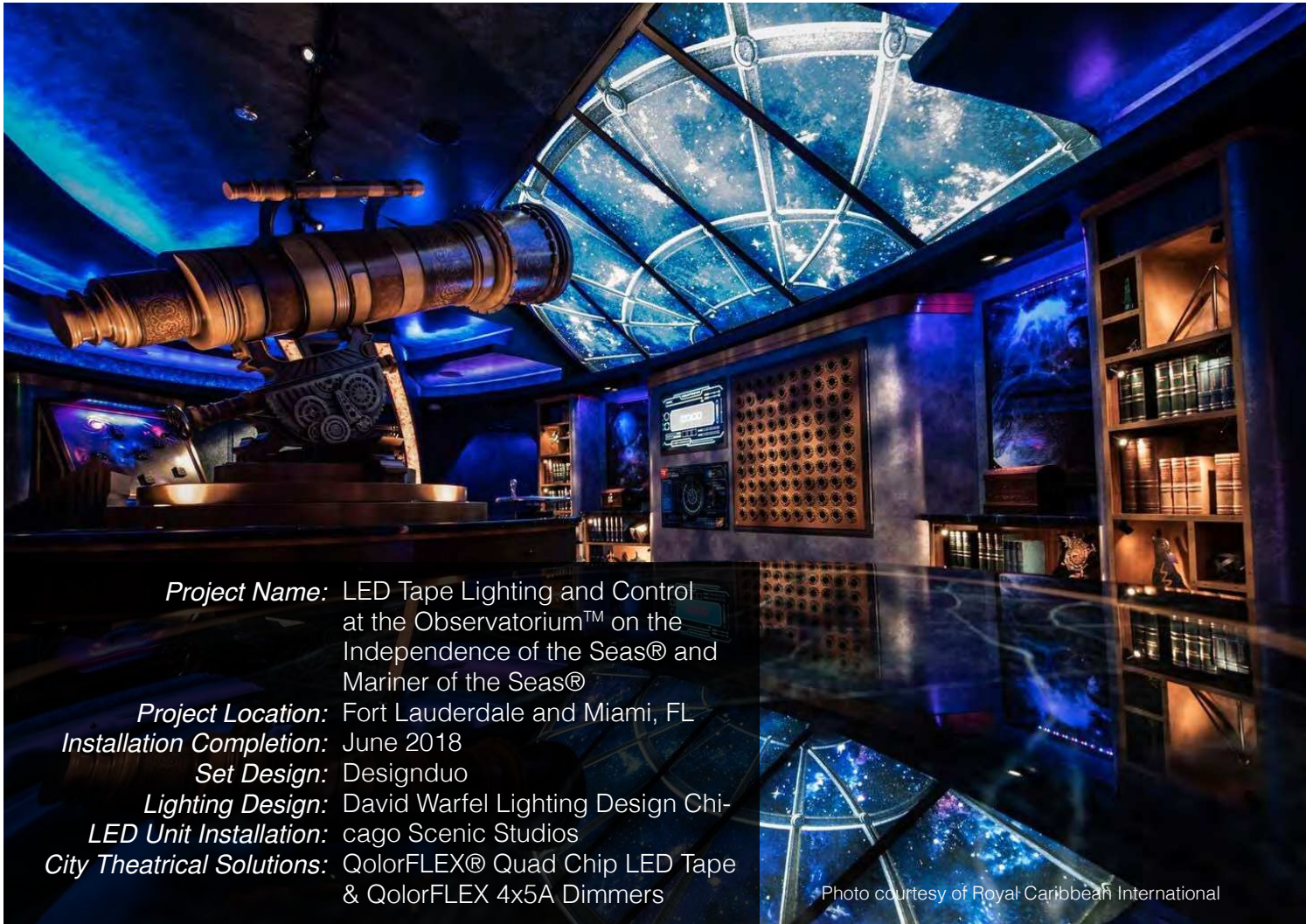
Project Name: LED Tape Lighting and Control at the Observatorium™ on the Independence of the Seas® and Mariner of the Seas®
Project Location: Fort Lauderdale and Miami, FL
Installation Completion: June 2018
Set Design: Designduo
Lighting Design: David Warfel Lighting Design Chicago Scenic Studios
LED Unit Installation:
City Theatrical Solutions: QolorFLEX® Quad Chip LED Tape & QolorFLEX 4x5A Dimmers

Photo courtesy of Royal Caribbean International

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 authorized repair station. The warranty will not apply if procedures described in any Operations Manual are not followed.
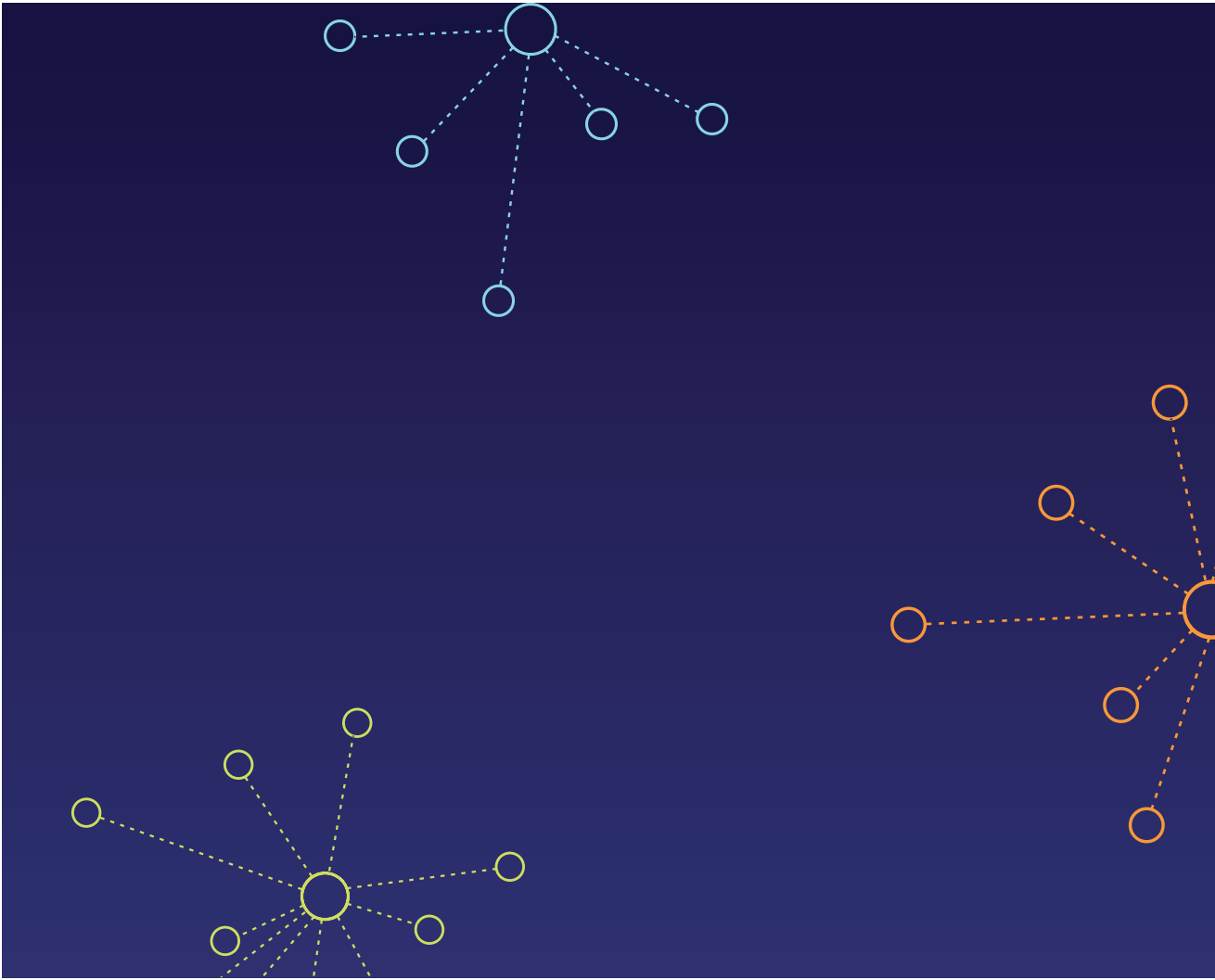
This warranty does not include shipping to or from City Theatrical. Unless otherwise stipulated by law, all warranties, expressed or implied, are limited to the period of this warranty.

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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