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COURSE CATALOGUE

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COMPLIANCE & SAFETY

Course name	Objectives	Length	Languages
Cinema Projector Maintenance (Series I/II)	<ul style="list-style-type: none">› Identify how to change a cinema projector lamp› Maintain the filters and cooling system in cinema projectors	40 minutes	<ul style="list-style-type: none">› English› Spanish
Electrostatic Discharge (ESD)	<ul style="list-style-type: none">› Discuss ESD control for electronics assembly› Identify the types of ESD device damage› Identify safety and compliance issues	45 minutes	<ul style="list-style-type: none">› English› Spanish› Simplified Chinese
Laser Safety Awareness	<ul style="list-style-type: none">› Describe and articulate the importance of laser safety› Summarize control requirements› State the protective measure at Christie› Explain general laser safety guidelines	25 minutes	<ul style="list-style-type: none">› English› Spanish› Simplified Chinese
Photon LOS Alignment Booth Safety (webEx)	<ul style="list-style-type: none">› Understand laser safety practices in the Photon Booth› Note: We recommend viewing this webEx in Google Chrome or Mozilla Firefox	15 minutes	<ul style="list-style-type: none">› English
Projector & Lamp Safety	<ul style="list-style-type: none">› Avoid electrocution hazards› Observe Electrostatic Discharge (ESD) safety precautions› Prevent lamp explosions› Locate safety interlock switches› Identify and apply other safety precautions	45 minutes	<ul style="list-style-type: none">› English› Spanish› Simplified Chinese

PRODUCTS

Course name	Objectives	Length	Languages
APS & DS Product Training	<ul style="list-style-type: none"> › Articulate the features and differences between the APS and DS series › Understand the capabilities and system requirements › Confidently set up a system › Become familiar with the User Interfaces 	10 minutes	› English
AutoStack 2.0	<p>AutoStack™ 2.0 New (Advanced) Setup eLearning:</p> <ul style="list-style-type: none"> › Run AutoStack 2.0 and perform a flat screen calibration using the New (Advanced) setup menu › Describe AutoStack and the tools and functions within the application <p>AutoStack 2.0 Guided Setup:</p> <ul style="list-style-type: none"> › Run AutoStack™ 2.0 and perform a flat screen calibration using the Guided Setup menu › Describe the tools and functions within AutoStack 2.0 	15 minutes	› English
Boxer Fundamentals	<ul style="list-style-type: none"> › Describe Boxer › Articulate the projector specifications › Identify the elements that make up Boxer › Describe TruLife™ Electronics › Identify Input Options 	15 minutes	<ul style="list-style-type: none"> › English › French › German › Italian › Russian › Simplified Chinese › Spanish
Christie Interactivity Kit	<ul style="list-style-type: none"> › Articulate the benefits of the Christie Interactivity Kit › Identify the proper installation procedure › Properly calibrate a system using the Dashboard software › Perform basic troubleshooting 	15 minutes	› English

PRODUCTS

Course name	Objectives	Length	Languages
Christie MicroTiles	<ul style="list-style-type: none"> › Describe the MicroTiles® system and key specifications › Identify how to install MicroTiles and use the User Interface (UI) › Design a MicroTiles canvas › Recognize the various cabling guidelines provided by Designer 2.0 and choose the most appropriate for your project › Describe the parts and modules of MicroTiles and discover some of their limitations › Follow procedures that allow you to service MicroTiles from the front and rear 	65 minutes	› English
Christie MicroTiles LED Foundations	<p>Articulate the key attributes of MicroTiles LED; including:</p> <ul style="list-style-type: none"> › Design › Power › Controller › UI › Installation › Maintenance 	20 minutes	› English
Christie MicroTiles LED System Design & Configuration	<ul style="list-style-type: none"> › Use the LED Designer to create a design for specific installation requirements › Interpret and apply the LED Designer documents › List the configuration steps 	10 minutes	› English
Christie NAS-S2	<ul style="list-style-type: none"> › Articulate the procedure to set up a Christie NAS-S2 with preconfigured and customized settings › Connect the Christie NAS-S2 to a UPS › Recover a failed RAID group › Update the NAS-S2 firmware › Resolve common issues 	15 minutes	› English

PRODUCTS

Course name	Objectives	Length	Languages
Christie NAS-S3	<ul style="list-style-type: none"> › Articulate the procedure to set up a Christie NAS-S3 › Configure content replication › Use the NAS-S3 management application › Backup and restore the NAS-S3 › Troubleshoot 	15 minutes	› English
Christie Phoenix	<ul style="list-style-type: none"> › Articulate the specifications of the Christie Phoenix › Describe the Phoenix Node and provide a network overview › Properly connect the Phoenix System to a network › Properly connect sources to a Phoenix Node › Properly configure a Controller › Configure a Phoenix System using the Web Manager › Design a wall using the Desktop Client › Perform basic troubleshooting 	90 minutes	› English
Christie Spyder X20	<ul style="list-style-type: none"> › Build a configuration using one X20 frame in "normal" mode › Summarize online vs offline mode › Verify outputs in system patch › Backup and restore › Define Pixelspace › Summarize maximum limitations and AORs › Load and mix background images 	90 minutes	› English

PRODUCTS

Course name	Objectives	Length	Languages
Christie Spyder Studio	This 16-part course introduces you to Spyder Studio, including: <ul style="list-style-type: none"> › New configuration › GUI basics › Treatments and frames › Sources & routers › Command keys › Still images 	2 hours	› English
Christie Terra	<ul style="list-style-type: none"> › Use the Terra® Startup Assistant (TSA) › Assign address to Terra Transmitters and Receivers, using the TSA › Configure displays › Explain Genlock mode for SDVoE applications › Programming Source Routing & Creating Display Layouts › Summarize the various functions found within the Devices Tab › Global & User Tab 	45 minutes	› English
Christie Terra SDVoE Input Card (TSIC)	<ul style="list-style-type: none"> › Supported products › Cabling & connectivity › Setup process › Control tips 	45 minutes	› English
Crimson User & Service	<ul style="list-style-type: none"> › Identify Crimson components › Perform a software upgrade › Perform multi-projector installations › Obtain error logs to help diagnose problems 	45 minutes	› English

PRODUCTS

Course name	Objectives	Length	Languages
D4K Introduction	<ul style="list-style-type: none"> › Describe what 4K means › Articulate the specifications of the Christie D4K2560/D4K3560 › Identify some of the major topics for the Christie D4K2560/D4K3560 theory of operation 	30 minutes	› English
EnteroHB webUI	<ul style="list-style-type: none"> › Properly Configure an EnteroHB using the webUI › Properly adjust the display settings › Properly configure the display and the wall 	20 minutes	› English
LCD panels	<ul style="list-style-type: none"> › Articulate the main features and specifications of the FHD551-W › Properly handle and install the FHD551-W › Troubleshoot and service the FHD551-W 	20 minutes	› English
HS Series	This course will introduce you to the Christie HS Series	35 minutes	› English
J Series Foundation	<ul style="list-style-type: none"> › System features › Projector elements 	30 minutes	<ul style="list-style-type: none"> › English › Simplified Chinese › Spanish
JumpStart 2.0	<ul style="list-style-type: none"> › Describe JumpStart and its key benefits › Connect to the JumpStart server › Create and edit a Scenario using the JumpStart client › Properly unpack, connect, and add content to the JumpStart Server › Start the server and run the MicroTiles connection wizard › Work with and create scenarios using the JumpStart client 	60 minutes	› English

PRODUCTS

Course name	Objectives	Length	Languages
M Series & J Series (combined)	<ul style="list-style-type: none"> › Identify the system features, common elements, and main differences found in the M Series and J Series projectors › Describe key terms and embedded features 	45 minutes	<ul style="list-style-type: none"> › English › Simplified Chinese
M Series Foundation	<ul style="list-style-type: none"> › Explain the main elements, embedded features, and key differentiators of the M Series › Describe the electronics and menu system, tiling, and PIP 	30 minutes	<ul style="list-style-type: none"> › English
Mystique	<p>Using Mystique™ for the following:</p> <ul style="list-style-type: none"> › Stack two or more projectors › Warp & blend four or more projectors on a curved screen › Warp & blend on a flat screen 	15 minutes	<ul style="list-style-type: none"> › English
Pandoras Box Software Features	<ul style="list-style-type: none"> › 3D Preview › CITP Thumbnail Exchange › Curve Editor › AEON FX Engine › Lock to Time › MIDI Show Control › DMX Art-Net Control › Video Export 	60 minutes	<ul style="list-style-type: none"> › English
Pandoras Box Software Pre in-class training	<ul style="list-style-type: none"> › Networking › Graphics Card Configuration › Pandoras Box® Products - Usage Scenarios - Pandoras Box Menu 	30 minutes	<ul style="list-style-type: none"> › English
Pandoras Box Software Version 5 – Basic Training	<p>In this series of 20 videos we will:</p> <ul style="list-style-type: none"> › Follow the projection creation workflow from beginning to end 	3 hours	<ul style="list-style-type: none"> › English

PRODUCTS

Course name	Objectives	Length	Languages
Pandoras Box Software Version 6 – 1st Grade Tutorials	› This five-part course covers timeline programming with multiple layers, soft-edge output on a second screen, layer structure and keyboard shortcuts, fades between containers, 3D objects and textures, and much more.	90 minutes	› English
Pandoras Box Software Version 6 – 2nd Grade Tutorials	› This six-part course covers loading projects, multiple/virtual sites, views, working with presets, multiple sequences/ outputs, programming a new show or split-screen video, and much more.	90 minutes	› English
Pandoras Box Software Version 6 – What’s New	› This course will highlight some of the new features found in Pandoras Box® Version 6	10 minutes	› English
Pandoras Box Software Version 8 – Advanced import	› A short tutorial on how to use the Advanced Import feature introduced with Christie Pandoras Box Version 8	5 minutes	› English
Pandoras Box Warper	› Getting Started with Pandoras Box Warper	10 minutes	› English
Pandoras Box Widget Designer	› Multi Touch Setup › Program Widget Designer commands directly into the timeline of Pandoras Box	45 minutes	› English
Phoenix Network Requirements	› Define multicast transport and discovery › Summarize requirements for VLAN, IGMP Snooping and Query › Identify bandwidth requirements to communicate to customers › Recognize that addressing and subnetting must be approved by the customer’s IT department	30 minutes	› English › Simplified Chinese

PRODUCTS

Course name	Objectives	Length	Languages
Reallaser & CineLife Light Source	<ul style="list-style-type: none"> › Identify the components of the LOS and explain each one's function › Identify the differences between Horizon LOS/LDCC, Skyline LOS/LDCC and GaN board design › Create Laser Files › Troubleshoot LOS malfunctions › Isolate component failures from environmental condition impact on the LOS 	30 minutes	› English
Reallaser & CineLife safety	<ul style="list-style-type: none"> › Identify the sources of safety hazards in the projector › Safely install, service and operate the projector 	30 minutes	› English
Roadie 4K Introduction	<ul style="list-style-type: none"> › Articulate the specifications of the Roadie 4K35/4K45 › Identify some of the major components of the Roadie 4K35/4K45 	15 minutes	› English
SKA-3D	<ul style="list-style-type: none"> › Describe the Christie SKA-3D connectors › Watch videos showing you an overview of the WebUI 	20 minutes	› English
Solaria 4K	<ul style="list-style-type: none"> › Introduce Solaria Series and 4K compatibility › Explain Data Security and DCI compliancy 	90 minutes	› English
System design considerations for MicroTiles LED video walls (webinar)	<ul style="list-style-type: none"> › Explain MicroTiles® LED video wall technology capabilities for successful integration into a turn-key visualization solution 	1 hour	› English

PRODUCTS

Course name	Objectives	Length	Languages
TVC-1700	<ul style="list-style-type: none"> › Articulate the main hardware features and specifications of the TVC-1700 › Properly install the TVC-1700 Properly connect the TVC-1700 	15 minutes	› English
TVC-700	<ul style="list-style-type: none"> › Articulate the main hardware features and specifications of the TVC-700 › Properly install the TVC-700 into a Rack or use it as a tower › Properly connect the TVC-700 	15 minutes	› English
Twist 2.x	<ul style="list-style-type: none"> › Summarize the configuration steps to properly setup a 1 x 2 curved screen using Christie Twist™ 2 	25 minutes	› English
Vive Audio EQ & Crossover Settings	<ul style="list-style-type: none"> › Summarize the process of cinema auditorium EQ › Explain what a crossover is and its benefits to cinema audio › Explain how you compensate for high frequency losses and nonlinearity › Identify the differences between X-Curve and Vive Audio® target curve 	15 minutes	› English
Vive Audio Fundamentals	<ul style="list-style-type: none"> › Articulate current in-market solutions › Define Vive Audio › Describe the technology behind Vive 	30 minutes	<ul style="list-style-type: none"> › English › Simplified Chinese › French › German › Italian › Russian › Spanish
Vive Audio Gain Control	<ul style="list-style-type: none"> › Properly set the nominal amplifier gain controls settings for Vive Audio 	15 minutes	› English
Vive Audio Laser Alignment	<ul style="list-style-type: none"> › Properly align Vive Audio speakers using the recommended laser alignment procedures 	20 minutes	› English

TECHNOLOGY

Course name	Objectives	Length	Languages
4K	<ul style="list-style-type: none"> › Describe characteristics of 4K › Identify the connection types for 4K › Compare 4K to 2K, UltraHD, 4K 3D and Consumer versus Commercial 4K › Describe and summarize the steps for 4K Convergence 	60 minutes	<ul style="list-style-type: none"> › English › Spanish
ABCs of DLP	<ul style="list-style-type: none"> › Identify what DLP® is › Explain how DLP works › Identify DLP projector categories 	80 minutes	<ul style="list-style-type: none"> › English › Spanish
Acronyms	<ul style="list-style-type: none"> › Identify the main acronyms and video standards used throughout the AV Industry 	5 minutes	<ul style="list-style-type: none"> › English
Audio Fundamentals	<ul style="list-style-type: none"> › Describe Acoustic Sound Waves as well as Rarefaction and Compression › Define Frequency, Amplitude and dBA › Compare and Contrast Analog and Digital Audio › Explain Sound Wave Propagation › Explain decibels & decibels in reference to voltage and power level 	60 minutes	<ul style="list-style-type: none"> › English › Simplified Chinese › French › German › Italian › Russian › Spanish
Christie Reallaser Cinema Projectors: Usage Best Practices	<ul style="list-style-type: none"> › This course will cover Christie RealLaser™ Cinema projector usage best practices 	10 minutes	<ul style="list-style-type: none"> › English
Christie Reallaser illumination technology for cinema	<ul style="list-style-type: none"> › This course covers the dynamic relationship between brightness maintenance and environmental operating factors. 	10 minutes	<ul style="list-style-type: none"> › English › Spanish

TECHNOLOGY

Course name	Objectives	Length	Languages
Digital Cinema Basics	<ul style="list-style-type: none"> › Define aspect ratio/screen relationship › 3D Setup and vendors › Provide an overview of the cinema “projection booth” environment › Identify the basic parts of a projection booth › Identify how OSA and Digital Cinema are integrated into the booth 	15 minutes	<ul style="list-style-type: none"> › English › Spanish
Digital Projector Anatomy	<ul style="list-style-type: none"> › Explore the inner structure of digital projectors › Identify a projector’s major components and their functions 	90 minutes	<ul style="list-style-type: none"> › English › Spanish
Front & Rear Projection Screens	<p>This two-part course covers:</p> <ul style="list-style-type: none"> › Various types of screens including matte-white, grey, gain, curved, silver, diffusion, and optical › Describe screen gain and ambient light rejection › Describe the advantages and disadvantages of rear-projection 	50 minutes	<ul style="list-style-type: none"> › English
Glossary	<ul style="list-style-type: none"> › Identify the main terms that Christie and the AV industry use 	5 minutes	<ul style="list-style-type: none"> › English
Laser Phosphor	<p>This course covers:</p> <ul style="list-style-type: none"> › What is LaPh? › RGB pure Laser › LaPh Advantages › Christie BoldColor™ 	5 minutes	<ul style="list-style-type: none"> › English
Laser Projection	<p>This course covers:</p> <ul style="list-style-type: none"> › Laser Projection › Is Red Truly Red? › The Efficiency of Laser 	5 minutes	<ul style="list-style-type: none"> › English

TECHNOLOGY

Course name	Objectives	Length	Languages
LCD Panel Technology	<ul style="list-style-type: none"> › Define the fundamentals of LCD panel technology › Describe image quality considerations 	60 minutes	› English
LED Fundamentals	<ul style="list-style-type: none"> › Define key LED terminology › Summarize how LEDs work › Outline the advantages and challenges of LEDs and LED technology › Identify product applications 	20 minutes	› English › Simplified Chinese
LED Video Walls	<ul style="list-style-type: none"> › Articulate how LEDs and LED video walls work › Define the key strengths and advantages of LED video walls › Articulate the configuration options 	10 minutes	› English
Networking	<ul style="list-style-type: none"> › Define an IP address and subnet mask › Articulate why each device must have a unique IP address › Change your IP address using Windows XP and 7, and Max OS › Discuss network hardware and fundamental network types as well as physical connection types 	30 minutes	› English
Projection Technologies	<p>This course covers:</p> <ul style="list-style-type: none"> › Projection CRT (Cathode Ray Tube) › Analog Light Valves, including LCLV (Liquid Crystal Light Valve) › Projection LCD (Liquid Crystal Display) › LCoS (Liquid Crystal on Silicon) › DLP (Digital Light Processing) 	60 minutes	› English › Spanish
Resolutions Basics	<ul style="list-style-type: none"> › Describe the basics of image resolution in simulators › Recognize some factors and tradeoffs affecting dynamic and static resolution 	45 minutes	› English

TECHNOLOGY

Course name	Objectives	Length	Languages
Ribbon Driver Line Array	<p>This course covers:</p> <ul style="list-style-type: none"> › Psychoacoustic proximity effect of line array systems › Advantages of Christie Vive Audio® planar ribbon and line array technologies 	10 minutes	› English
SDVoE	<ul style="list-style-type: none"> › This course is a brief overview of SDVoE (Software Defined Video over Ethernet) 	10 minutes	› English
Stereo 3D	<ul style="list-style-type: none"> › Identify the four main Stereo 3D modes and three sources of Stereo 3D content › Differentiate between Active and Passive and identify the advantages and disadvantages of both › Describe when and how to use: onboard test patterns, Dark Interval, Sync Input, Output and Delay 	30 minutes	› English
Tech Brief: Advantages of Remote Power for Video Walls	<p>Discover the advantages of remote power, from cost and time savings during installation and ongoing service to the performance and lifetime of the LCD video wall</p>	10 minutes	› English
Terms & Technologies	<ul style="list-style-type: none"> › Articulate the most commonly used terms › Differentiate between various technologies 	5 minutes	› English
The Facts of Light	<ul style="list-style-type: none"> › Identify the value proposition of Xenon and RGB pure laser over Laser Phosphor in the Cinema environment. 	10 minutes	› English
Video Wall Design Fundamentals	<ul style="list-style-type: none"> › Identify key video wall design fundamentals, including: display performance factors, technology, reliability, and stability 	30 minutes	› English

Check out our eLearning instructional videos on a wide variety of topics - from product training to TECH minutes.

Product training

- › Boxer Convergence
- › Boxer Installing & Removing the Lens
- › Boxer Light Engine Installation
- › Boxer Light Engine Removal
- › Boxer Optical Adjustments
- › Configuring a Christie NAS-S2 for GDC SR-1000 IMB
- › CP2309/2315/2320-RGB LOS removal
- › CP2309/2315/2320-RGB Optical adjustment
- › CP4415-RGB & CP4420-RGB Filter replacement
- › CP4440-RGB & CP4450-RGB LOS removal
- › CP4450-RGB Chiller Setup
- › Fiber Cleaning Procedure
- › Flat Panel Handling
- › Front Access Cube 1 – Preparing the Pedestal
- › Front Access Cube 2 – Installing the Cube
- › Front Access Cube 3 – Projector Setup & Installation
- › Front Access Cube 4 – Installing the Screen
- › Front Access Cube 5 – Configuration
- › GS Series – Install the Ultra Short Throw Lens
- › H Series Filter Replacement
- › H Series Lens Install & Removal
- › Interactivity Kit Dashboard Configuration
- › Interactivity Kit Setup
- › JumpStart 1 – Intro & Unpacking the Server
- › JumpStart 2 – Connecting the Server
- › JumpStart 3 – Starting the Server for the First Time
- › JumpStart 4 – Content on the JumpStart Server
- › JumpStart 5 – Working with Scenarios
- › Lamp Replacement (2210, 2215, One, One+)
- › Lamp Replacement (2220, 2230, 4220, 4230)
- › MicroTiles LED - How to align the mounting sheets

- › MicroTiles Setup
- › Module Replacement (Apex)
- › Retrofitting a Solaria One/One+ with the GDC SR-1000 IMB
- › TPLS Chiller Hose Installation
- › Twist 2
- › Twist 2 Interface Tour

Projector Lens Calculator

- › Projector Lens Calculator
- › Projector Lens Calculator for mobile
- › Projector Lens Calculator for Ultra Short Throw Lens Job Aid

TECH minutes

- › Boxer 4K30 & Virtual Remote
- › Co-converge J Series with Boxer
- › Control 4K45
- › Enable Colors
- › Find Documents – Partner Portal
- › LED Binning
- › LED Cooling
- › LED Fill Factor
- › LED Quality ICs
- › Pandoras Box and Spyder X80
- › Spyder 344 Configuration Screen
- › Spyder 344 Connection
- › Spyder 344, 4 INS 4 OUTS
- › Spyder Stock Input Configurations
- › What is Spyder Studio?

Instructor-led training

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IMAGE PROCESSING

Course name	Objectives	Length
Christie Phoenix	<ul style="list-style-type: none">› Articulate the terminology used that makes up the Phoenix System› Confidently set up a system› Become familiar with the User Interfaces: Controller Manager, Web Manager and Desktop Client	2 days
Christie Spyder	<ul style="list-style-type: none">› Connect Spyder to a network and control it with Spyder Studio› Connect and configure sources and displays to the inputs and outputs› Create and execute Command Keys, Function Keys and Scripting› Save, backup and restore Vista Advanced Projects (vap files)› Create and apply Treatments› Add and apply still images to layers and backgrounds› Apply basic troubleshooting techniques	3 days
Christie Terra (SDVoE)	<ul style="list-style-type: none">› Set up & install Christie Terra SDVoE	1 day
Pandoras Box (Grades 1 & 2)	<ul style="list-style-type: none">› After introduction and general aspects of Media Server environments, this training examines the very first steps to get Pandoras Box setup and playback on screens› This training continues with more complex principles and advanced show setup. It covers all necessary knowledge to build your show in a larger Pandoras Box environment	
Spyder X80 (virtual in-class)	<ul style="list-style-type: none">› Understand X80 capabilities, be knowledgeable in X80 VI theory, and build a configuration in Spyder Studio software› Have a solid understanding on inputs, outputs, system patch, and testing functionality	2 days (9 hours)

IMAGE PROCESSING

Course name	Objectives	Length
Widget Designer (Grades 1 & 2)	<ul style="list-style-type: none">› Widget Designer 1st Grade Training is the first step into control software scripting› You'll learn to script more powerfully› We'll introduce the node system and variables, along with more Widgets, tools, and CSS implementation	2 days

LASER ILLUMINATION

Course name	Objectives	Length
RealLaser - TruLife	<ul style="list-style-type: none">› Explain how the RealLaser™ light source works› Articulate the elements of a RealLaser light source› Perform firmware upgrades› Troubleshoot technical issues› Adjust and calibrate a TruLife™ projector› Install, configure and operate a RealLaser-illuminated projector properly and safely› Disassemble/reassemble a TruLife projector featuring RealLaser illumination	3 days

CINEMA PROJECTION

Course name	Objectives	Length
Solaria Series II	<ul style="list-style-type: none"> › Explain the Solaria Series theory of operation › Disassemble and reassemble Solaria Series projectors › Install and operate Solaria Series projectors and accessories › Adjust and calibrate Solaria Series projectors › Perform upgrades › Troubleshoot the Solaria Series 	4 days
RealLaser & CineLife – Mainstream Cinema	<ul style="list-style-type: none"> › Explain how the RealLaser light source works › Articulate the elements of a RealLaser light source › Disassemble/ reassemble a CineLife projector › Install, configure and operate a RealLaser-illuminated projector properly and safely › Adjust and calibrate a CineLife Series projector › Troubleshoot technical issues 	3 days
RealLaser & CineLife – Mainstream Cinema (+Automation & IMB)	<ul style="list-style-type: none"> › This course adds knowledge of Automation and the Christie IMB to CineLife. 	4 days
RealLaser & CineLife+ - Premium Large Format	<ul style="list-style-type: none"> › Explain how the CP4450-RGB light source works › Articulate the elements of a CP4450-RGB light source › Disassemble/ reassemble the CP4450-RGB projector featuring RealLaser illumination › Install, configure and operate the CP4450-RGB projector properly and safely › Adjust and calibrate the CP4450-RGB projector › Perform firmware upgrades › Troubleshoot technical issues 	5 days

PROAV PROJECTION

Course name	Objectives	Length
Boxer Installation & Service	<ul style="list-style-type: none"> › Perform multi-projector installations › Demonstrate the successful use of Christie Twist™ › Obtain error logs to help diagnose problems › Speak confidently about the projector modules and isolate where problems could be originating from › Perform various optical adjustments 	2 days
Crimson User & Service	<ul style="list-style-type: none"> › Perform multi-projector installations › Define and demonstrate the use of Christie Twist › Obtain error logs to help diagnose problems › Speak confidently about the projector modules and isolate where problems could be originating from › Perform various optical adjustments 	2 days
M Series & J Series	<ul style="list-style-type: none"> › Perform a software upgrade › Set up real-time events › Perform multi-projector installations, including: <ul style="list-style-type: none"> • color matching and • edge blending › Demonstrate the successful use of Christie Twist › Obtain error logs to help diagnose problems › Demonstrate troubleshooting techniques › Perform various optical adjustments 	3 days

LED

Course name	Objectives	Length
MicroTiles LED	<ul style="list-style-type: none">› Properly set up and install a MicroTiles® LED array› Troubleshoot and service an array	3 days
Direct-view LED – Velvet Series	<ul style="list-style-type: none">› This course covers Apex, Core, & CorePlus› Properly set up, install, and configure a Velvet LED array› Troubleshoot and service an array	3 days

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