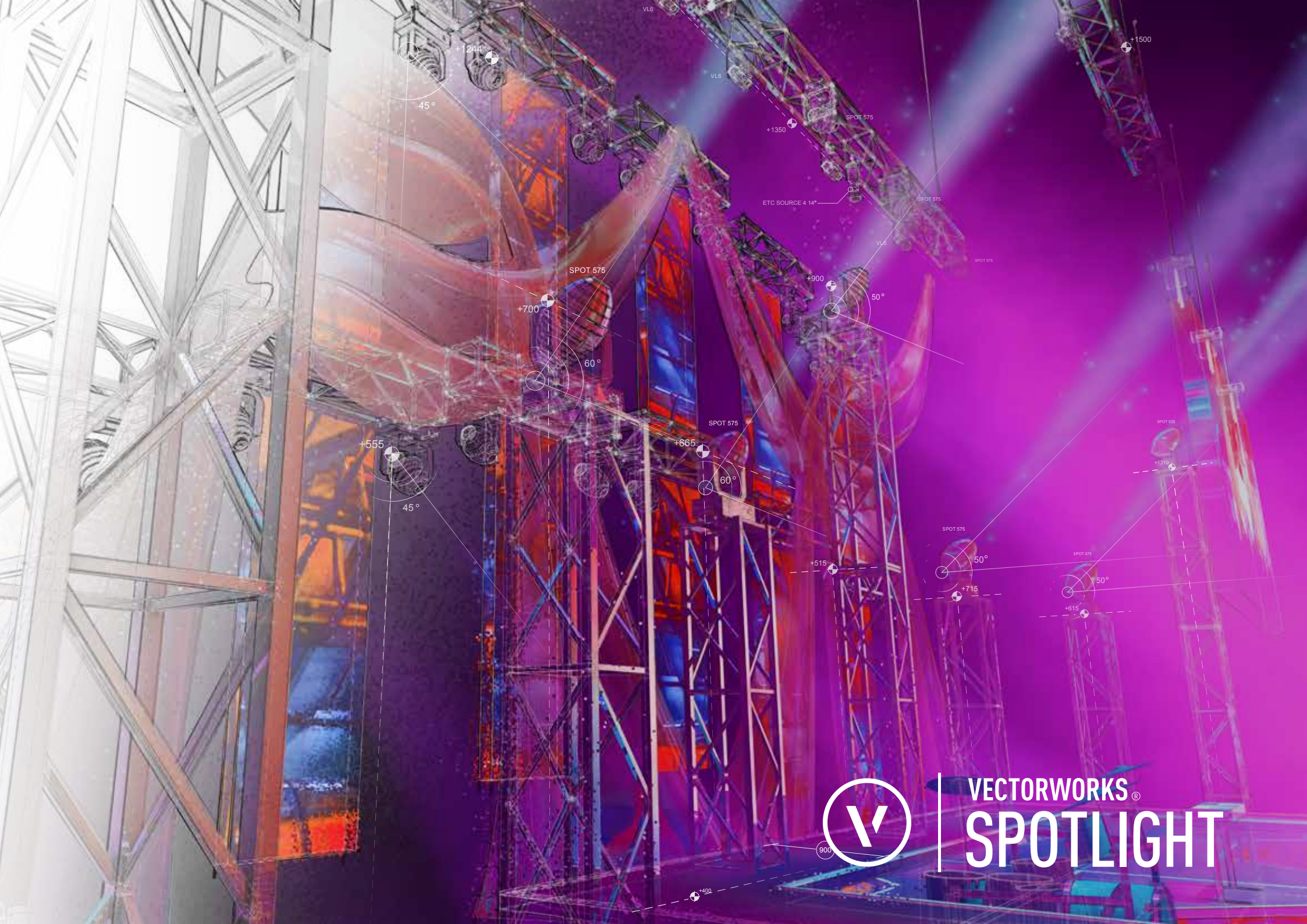
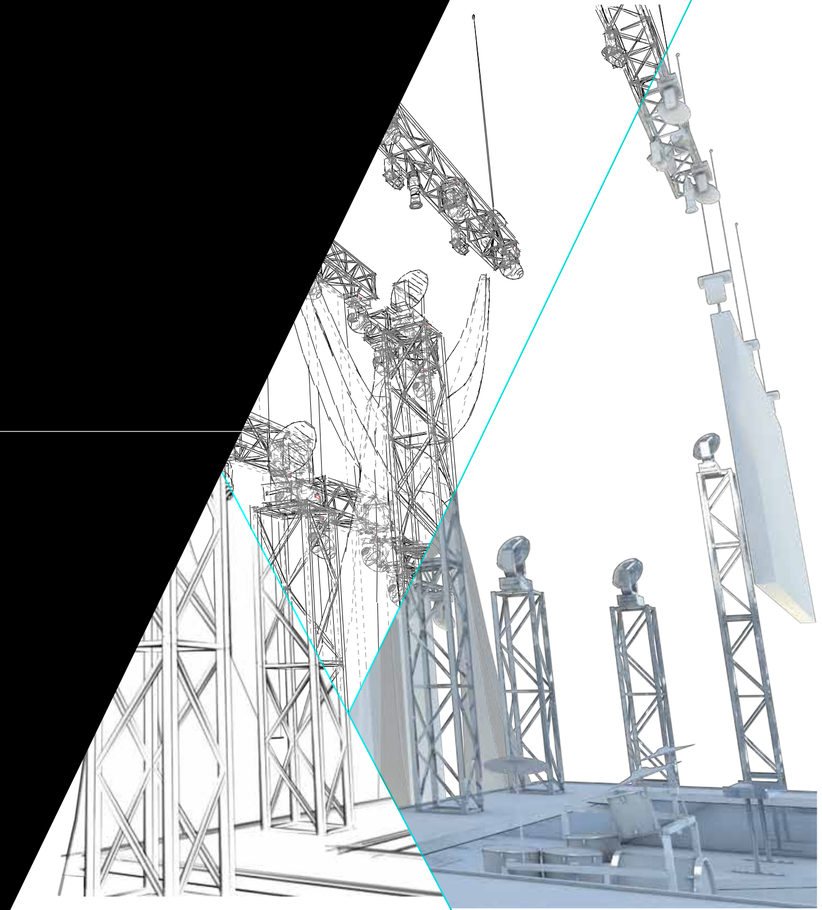


VECTORWORKS®

SPOTLIGHT

TRANSFORM THE WORLD.

DESIGN WITH VECTORWORKS SPOTLIGHT.



Vectorworks® Spotlight is the industry-leading design software for the entertainment business. It works like you think, facilitating improvisation and creativity so you can transform your designs into award-winning experiences. Whether you work in lighting, scenic, event, TV, film, or exhibit design, Spotlight software balances your process with the need for coordinated, accurate information.

SIMPLIFY YOUR
PROCESS

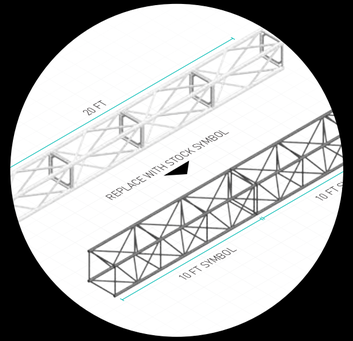
Your time is valuable—and we at Vectorworks want to make sure you get to spend more of that time designing. When you use Vectorworks Spotlight, you can work faster and more efficiently.

FROM CONCEPT TO PREVIZ
TO FINAL EXPERIENCE

Experience Spotlight's renowned design capabilities. Quickly create design documents, automate paperwork, and visualize your design in rendered 3D views. For high-end previsualization, use our high-quality and simple Send to Vision command to take your fixture and model information directly to Vision to program and cue your show.

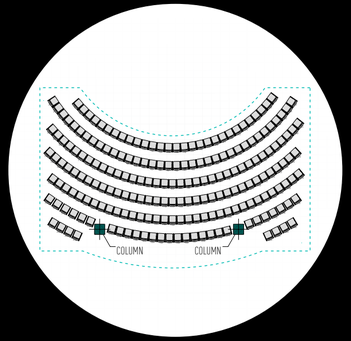
LIGHTING DESIGN BY **NICK WHITEHOUSE, ILLUMINATE ENTERTAINMENT, INC.**
PHOTO COURTESY OF **RALPH LARMANN.**

ADD DIMENSION
TO YOUR DESIGNS



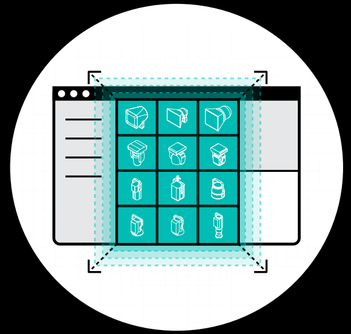
CONSISTENT REPORTS WITH STANDARDIZED SYMBOLS

Finalize your preliminary plans for stage decks, as well as straight and curved trusses, by replacing generic symbols with symbols containing manufacturer-specific data for more accurate shop orders.



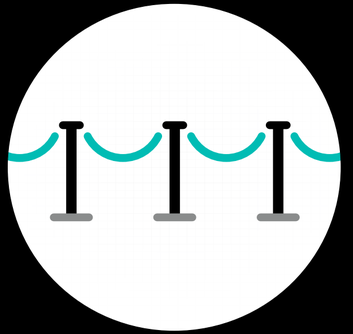
CREATE SEATING SECTION COMMAND

Go beyond algorithmic methods of modeling a venue's seating. Choose from several types of standard seating setup methods and then modify them easily on a seat-by-seat basis to create the desired arrangement. Finalize your layout with the creation of aisles and seat and row numbering, as well as create customizable reports.



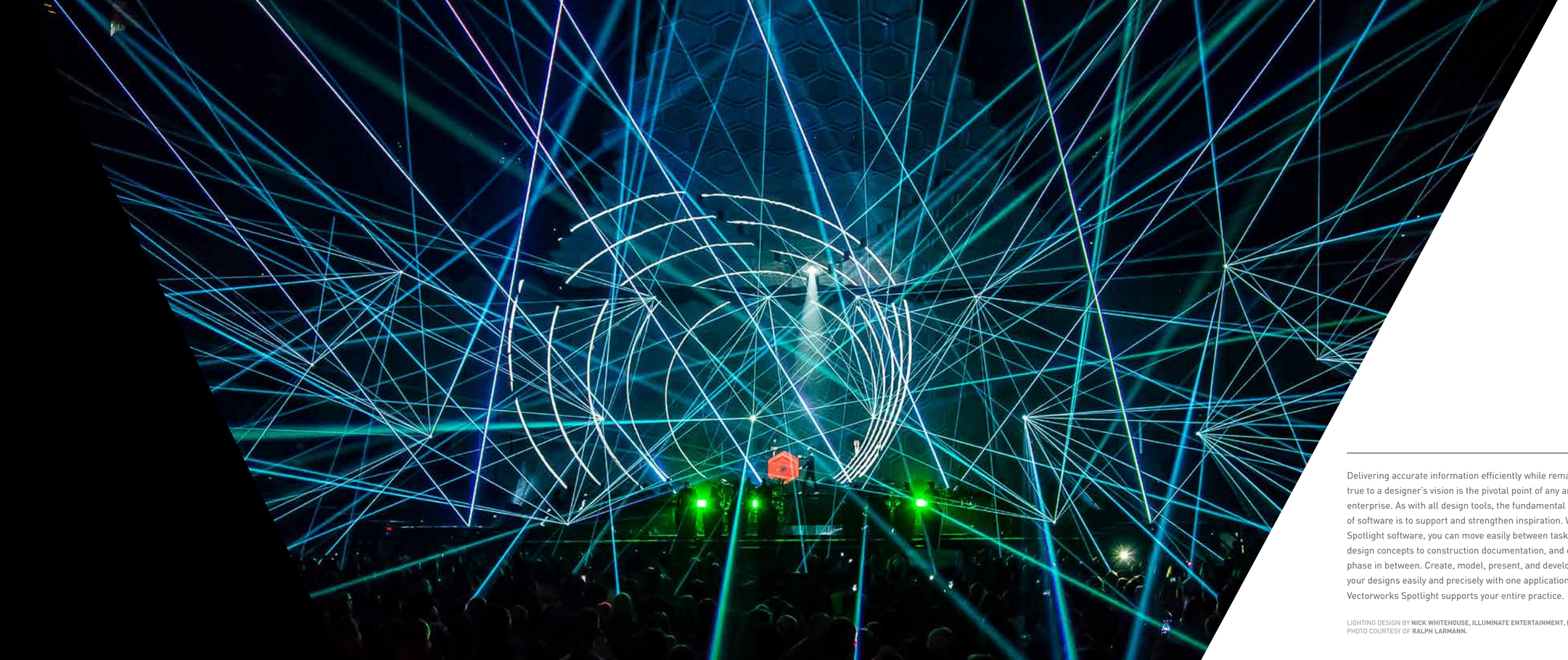
ROBUST LIGHTING AND AUDIO LIBRARIES

With new symbol content from Prolyte, PRG, and Meyer Sound, as well as 140 Vision libraries converted for Spotlight, this update gives lighting professionals hundreds of new possibilities to expand their design options.



ROPE AND STANCHION TOOL

Quickly insert crowd control elements into your event designs with this new modeling tool.



SIMPLIFIED SOLUTIONS FOR COMPLEX DESIGNS

Delivering accurate information efficiently while remaining true to a designer's vision is the pivotal point of any artistic enterprise. As with all design tools, the fundamental purpose of software is to support and strengthen inspiration. With Spotlight software, you can move easily between tasks from design concepts to construction documentation, and every phase in between. Create, model, present, and develop your designs easily and precisely with one application. Vectorworks Spotlight supports your entire practice.

LIGHTING DESIGN BY **NICK WHITEHOUSE, ILLUMINATE ENTERTAINMENT, INC.**
PHOTO COURTESY OF **RALPH LARMANN.**

CREATIVE
MODELING SOLUTIONS

SUBDIVISION **SURFACES**

Easily create multi-dimensional scenery and forced perspective by pushing, pulling, and molding your model with subdivision modeling. This technique, based on Pixar Animation Studios' OpenSubdiv library, gives designers the ability to transform rigid lines and primitive shapes likes spheres and cubes into smooth, malleable surfaces, opening new workflow avenues across the entertainment industry and giving you the ability to create any form imaginable.

FREE-FORM **MANIPULATION**

With our intuitive interface, you can design from any 3D view using modes in modeling tools that automatically infer working planes as you move your cursor, and enjoy the superior quality that enables you to manipulate your model with ease. Accurate object information and better snapping make drawing in 3D easy.

The SmartCursor™ helps by showing hints, like the angle from the previous segment, as you draw, and our X-ray Select technology lets you see through solid models to select, move, and modify hidden objects with precision and ease. Plus, an advanced suite of solids and NURBS surface tools lets you create any shape and easily explore organic geometry. Push, pull, blend, twist, sculpt, deform, bulge, taper, or punch holes.

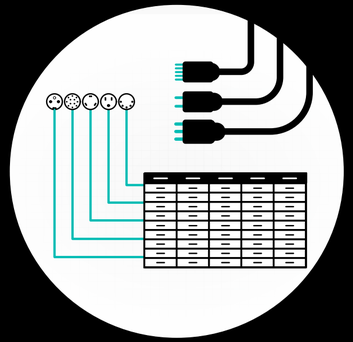
IMAGES COURTESY OF **GRANT VAN ZEVERN.**

ENHANCE YOUR WORKFLOW

Vectorworks 2017 gives you more resources than ever to optimize your workflow. Whether you're creating a model for your next inspired project, lighting a Broadway production, or designing a theatrical space, Vectorworks software offers features and improvements that are designed with you and your workflows in mind.

LIGHTING DESIGN BY **NICK WHITEHOUSE, ILLUMINATE ENTERTAINMENT, INC.**
PHOTO COURTESY OF **RALPH LARMANN.**

DOCUMENT
WHILE YOU DESIGN

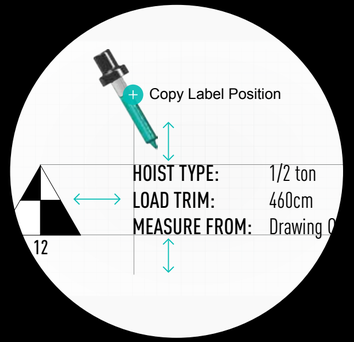


CABLE TOOLS

Cable and document your show more efficiently with a new Cable tool set created by Sam Jones of AutoPlot. With this suite of tools, designers can plan how cables will run, keep an accurate count of the number and types of cables that will be used, and prepare cabling to make onsite setup easier.

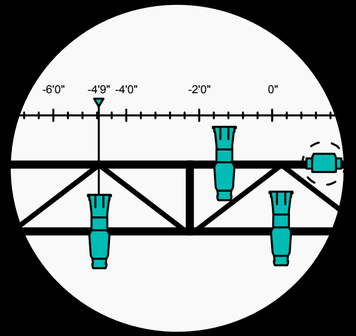
3D LABEL LEGENDS

Explore your designs in any view without losing the benefits of 2D labels. 3D label legends can also maintain their own text formatting, class, and container.



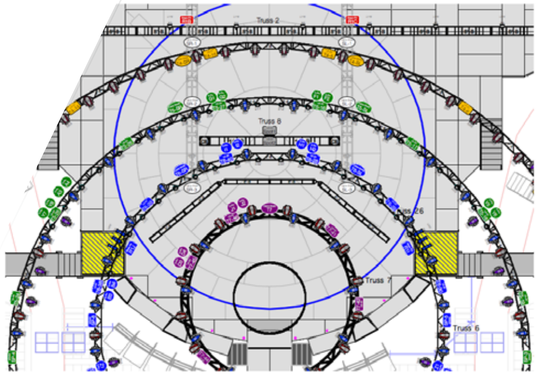
COPY LABEL POSITION

The Eyedropper tool now transfers label locations between similar Vectorworks Spotlight objects, saving time and easily making drawings look consistent.



DIMENSION TAPE TOOL

Easily mark the location when placing your lighting fixtures with the new Dimension Tape tool in Vectorworks Spotlight 2017.



EXTENSIVE AUTOMATED

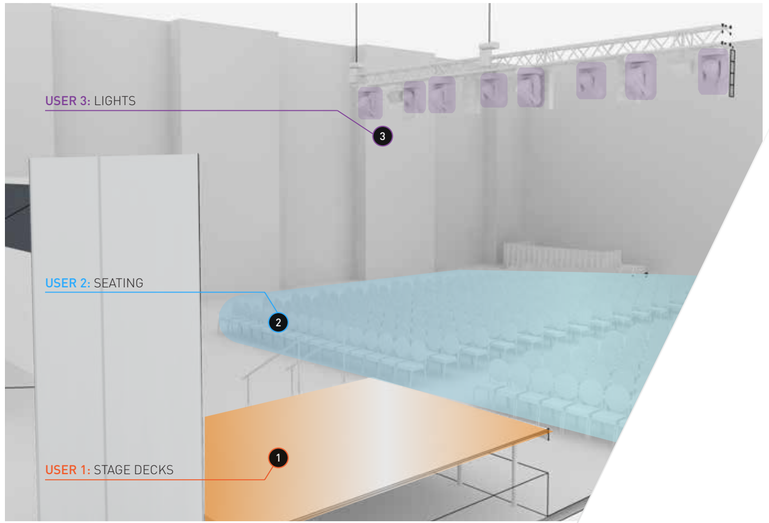
PAPERWORK AND DATABASE SUPPORT

Stop manually counting items in your drawings. Automatic data tracking does the tedious work for you. Built-in paperwork functions help you to track your model changes with customizable reports like schedules, inventory or rental lists, and channel and dimmer hookups, as well as magic sheets, color cut lists, and instrument summaries. Take advantage of the two-way link between database worksheets and objects, and gain the power to change object parameters directly from the worksheet. The application goes further than automated schedules and materials take-offs. It provides a user-defined, quick, and accurate way to assign custom data to any object and create unique reports.

FLEXIBLE

WORKFLOWS

Realizing a design often requires multiple sources of inspiration, iteration, and communication. Get on the cutting edge of collaborative digital practices, exchanging 2D drawings, 3D models, and data for numerous multidisciplinary, multi-platform design and production workflows. Vectorworks Spotlight provides the most complete and versatile design capabilities in the industry.



COORDINATE WITH YOUR
PROJECT TEAM

Vectorworks 2017 is engineered to facilitate your collaborative workflows. Design, document, and exchange your models with direct connections to Lightwright and Vision software, Sketchup and Revit Import capabilities, and robust import and export options for PDF, OBJ, C4D, 3DS, and more.

MULTIUSER ENVIRONMENT

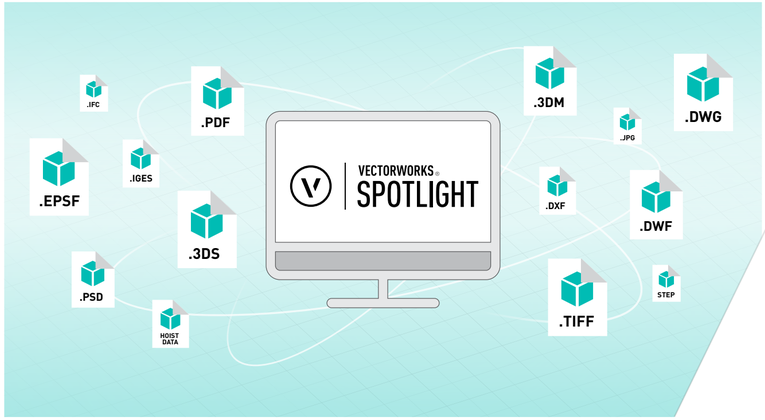
With Vectorworks Spotlight's Project Sharing capabilities, you can work on the same file concurrently with the entire production team. Integration with cloud storage services Dropbox, OneDrive, Google Drive, and Box frees you to work anywhere, anytime.

LIGHTING DESIGN BY **NICK WHITEHOUSE, ILLUMINATE ENTERTAINMENT, INC.**
PHOTO COURTESY OF **RALPH LARMANN.**

SEAMLESS INTEROPERABILITY

Make your work even more compelling and easier to communicate with digital imagery. Import scans, digital photos, or web images. Explore the full range of design options by incorporating information from multiple sources with OBJ, STL, 3DS, and SKP import/export capabilities. Communicate effectively with your production staff and other collaborators who may be using AutoCad or other CAD software. Vectorworks Spotlight offers Lightwright, DWG/DXF, PDF, and ASCII Patch support for document, data, and model exchange

Plus, previsualize your designs with our Vision software. Draft your lighting plots and models in Spotlight and simply send them directly to Vision for previsualization and cueing of your show.



VECTORWORKS SPOTLIGHT FILE IMPORT/EXPORT CAPABILITIES

File Type	Import	Export
3D PDF		●
3DS	●	●
ASCII Patch		●
Cinema 4D (.C4D)		●
Cinema 4D Textures	●	
COLLADA		●
Database		●
DWF	●	●
DXF/DWG/DWF	●	●
EPSF	●	●
FBX		●
Hoist Data	●	●
IFC (Industry Foundation Classes)	●	●
IGES	●	●
IMAGE FILES (GIF, BMP, TIFF, JPG, PNG)	●	●

File Type	Import	Export
Instrument Data	●	●
KML		●
OBJ	●	●
Parasolid X_T	●	●
PDF	●	●
Point Cloud	●	
Revit	●	
Rhino (.3DM)	●	●
SAT	●	●
Script	●	●
SketchUp (.SKP)	●	
STEP	●	●
STL	●	●
Web View		●
Worksheet	●	●

SHARE YOUR
VISION

Good communication is key to your design process, and with Vectorworks 2017, you have more options than ever to share your ideas and inspiration.

LIGHTING DESIGN BY **DONALD HOLDER LIGHTING DESIGN, INC.**
PHOTO COURTESY OF **JOAN MARCUS, FEATURING KELLI O'HARA.**

WEB VIEW AND VIRTUAL REALITY

Easily share your designs with current clients and collaborators using Vectorworks software's immersive web view and virtual reality features. Generate a link that allows anyone, anywhere, to view your model in 3D on any device, including Google Cardboard.

CLOUD SERVICES FOR EVERYONE

Vectorworks is committed to communication and collaboration. In Vectorworks 2017, our Cloud Services environment is openly available to everyone, giving you the ability to easily share files between team members and providing a simple interface for collaborators and clients to tour your models using our Vectorworks Nomad mobile app.

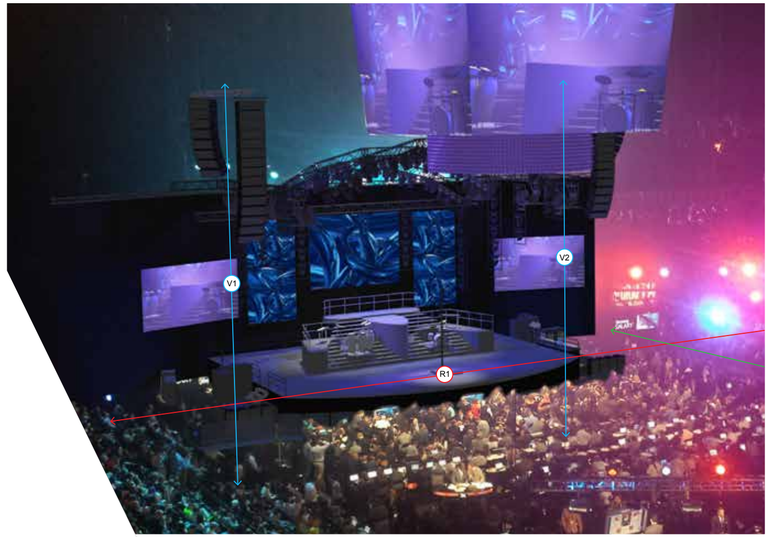
INSPIRE YOUR CLIENTS

With stunning, photorealistic renderings, designers can include material selection options, make accurate lighting decisions, and generate high-quality documentation and presentation boards. With Vectorworks Spotlight, you have all the tools necessary to wow your clients.

LIGHTING DESIGN BY **NICK WHITEHOUSE, ILLUMINATE ENTERTAINMENT, INC.**
PHOTO COURTESY OF **RALPH LARMANN.**

INTEGRATED RENDERING

All Vectorworks software packages include Renderworks, the best-in-industry rendering feature set built on the award-winning Cinema 4D render engine. Renderworks provides the tools necessary to visualize your work throughout the design process while producing clear and accurate illustrations.



CAMERA MATCH

With Camera Match, designers can integrate photos taken on-site with their model, generating realistic adaptations of those images by matching the perspective vanishing lines in the photo with the orientation and presentation of the model. From there, you can create custom shadows, mask out other elements, and tailor the photo to your design vision without the need for an external editing application.

POWERFUL PRESENTATIONS

Present your best work to your clients with Spotlight's superior graphical control. Featuring opacity tools that allow you to fine-tune line quality, the ability to preserve alpha channels in imported images, and 2D drop shadows, you can create dynamic presentations that communicate your signature style.

FUJI - NOEL GALLAGHER'S HIGH FLYING BIRDS.

SYSTEM REQUIREMENTS

Mac OS X 10.10
Mac OS X 10.11

Windows 7 SP 1 (64-bit)
Windows 8 (64-bit)
Windows 8.1 (64-bit)
Windows 10 (64-bit)
64-bit Intel Core i5
(or AMD equivalent) or better

RAM
4GB minimum
8GB recommended
8GB-16GB recommended for large files and complex renderings

Graphics*
A dedicated graphics card is required
OpenGL 2.1 compatible graphics card
VRAM: 1GB minimum, 2GB-4GB recommended

Screen Resolution
1440x900 minimum
1920x1080 or higher recommended

* Several Vectorworks features have placed higher demands on graphic hardware. Additionally, the performance and quality of the graphics provided by the Vectorworks Graphics Module depend directly on the speed, memory, and supported extensions of the graphics card. These new features have the potential to provide a very fast and fluid experience if used on capable hardware, or a noticeably slower experience if used on older or incompatible hardware. Graphic cards should support at a minimum OpenGL version 2.1; cards not meeting this recommendation will have limited functionality and poor performance, particularly when rendering in OpenGL mode. In general, the more powerful your video card is, the better your Vectorworks experience will be.

For the most current and updated technical information, please visit our Knowledgebase at **kbase.vectorworks.net**. See **vectorworks.net/sysreq/** for updated information.

ABOUT VECTORWORKS

Vectorworks cares about design. Since 1985, we have served the architecture, landscape, and entertainment industries, drawing inspiration from the world around us and encouraging the more than 650,000 designers who use our software to create experiences that transform the world.

Our commitment to develop the world's best cross-platform design software has taught us a simple truth: great design begins with the inspiration of the designer. Vectorworks supports that inspiration by guiding the exploration of discovery and finding creative solutions. We provide powerful tools to help designers capture ideas, nurture innovation, communicate effectively, and realize their vision.

We serve those who desire to create experiences that are memorable and build things that truly matter. We recognize that great design is about revealing opportunities that explore the unexpected, while fully satisfying the demands of an increasingly complex world. We acknowledge the value of a designer's dream and strive to facilitate the creation of something that's truly appreciated and uniquely positioned to express the best in the entertainment industry.

VECTORWORKS, INC.

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vectorworks.net

T 410.290.5114

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