

ABOUT US

Northern Sky Lighting provides design, installation, programming and support of digitally controlled lighting elements and synchronized lighting displays.

We are the leaders using Rainmin line of RGB lighting and controllers in all applications. Ranging from spectacular musical walk thru or drive thru displays, theme parks, city centers, resort facilities or simple remote log in for perimeter lighting we have you covered.

Integrating traditional lighting with cutting edge color changing LED effects and provide unparalleled control of each element all the way to custom 3D light art our team can turn your imagination into reality.

WETURN LIGHT INTO ART

Run your display with custom routines designed by our team to your requirements, or build your own shows with your software that'll put you in control. We can even build interactive displays that will allow the viewer to take control of features in real time.

Northern Sky Lighting is a full service company that can provide you all the time and support you need for your project. From simply supplying you the components and technical support to full design, installation, and continued programming, we are here to help you create spectacular displays, turning light into art.



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PERIMETER LIGHTING

Outline places of business, store fronts, buildings, holiday displays, landscapes and more

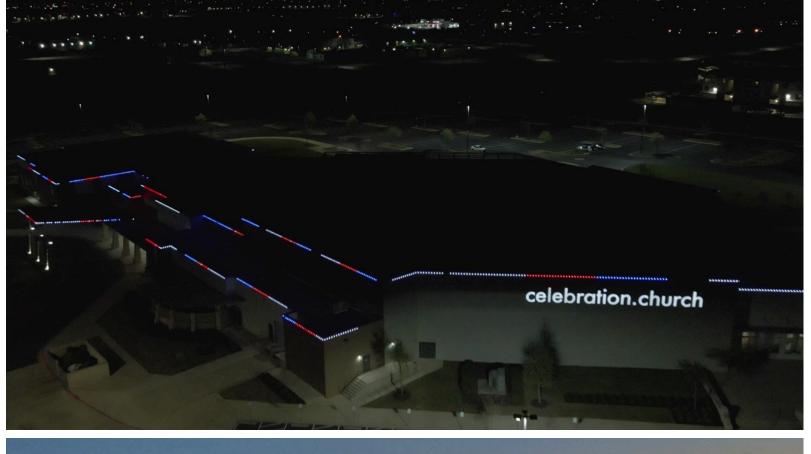
- Multiple lengths in stock and custom lengths can be made
- Flexible power supply & controller options to fit your layout
- Can be controlled by our stand alone controllers with many built-in effects
- Works with most DMX/ArtNet/DDP compatible Software including Madrix, Xlights, Resolume, MadMapper and many others
- Show Scheduling System allows simple year-around light management for colors and effects





- RGB nodes are IP65 rated or greater for outdoor use
- Pixel Spacing, string length/color can all be customized to project specifications.
- Available in multiple bulb styles and shapes







RGB TREES

Stand-alone tree of lights in kit form, or upgrade an existing non-RGB tree with our color-changing lights.

- Easily overlay an RGB matrix of lights over any existing tree, flagpole or our custom pole or cage frames. We can build to suit any requirement.
- Scalable from 12' to 90' or beyond.
- Available in kits or custom sizes
- Future-proof design can be expanded as needed
- Can be controlled by our stand alone controllers with many built-in effects that play on any sized tree or group of trees.
- Works with most DMX/ArtNet/DDP compatible Software including Madrix, Xlights, Resolume, MadMapper and many others







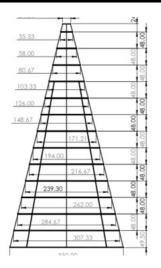




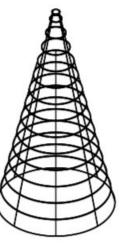


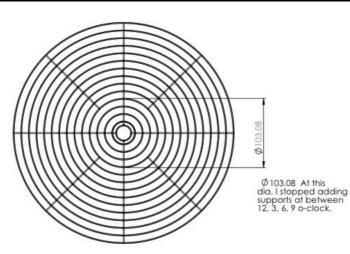








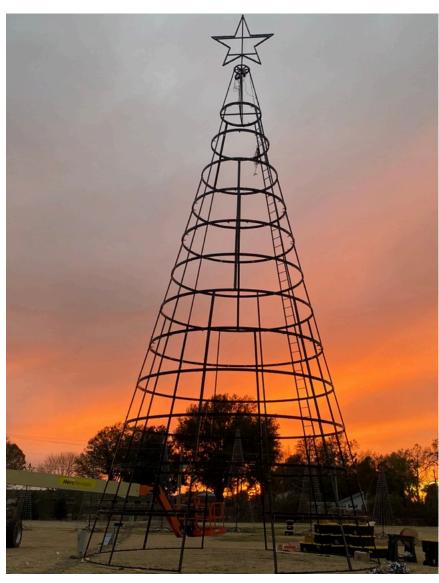




WALK TH TREES

Stand-alone tree of lights in kit form, or upgrade an existing non-RGB tree with our color-changing lights.

- Scalable from 36' to 90' or more
- Available in kits or custom sizes
- Future-proof design can be expanded as needed Can be controlled by our stand alone controllers with many built-in effects that play on any sized tree.
 Works with most DMX/ArtNet/DDP compatible Software
- including Madrix, Xlights, Resolume, MadMapper and many others











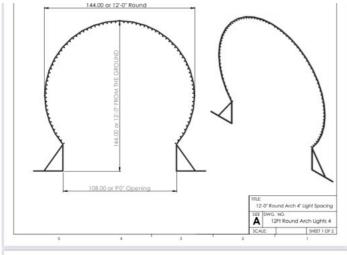


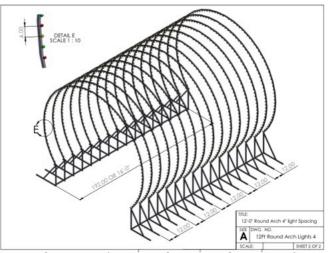


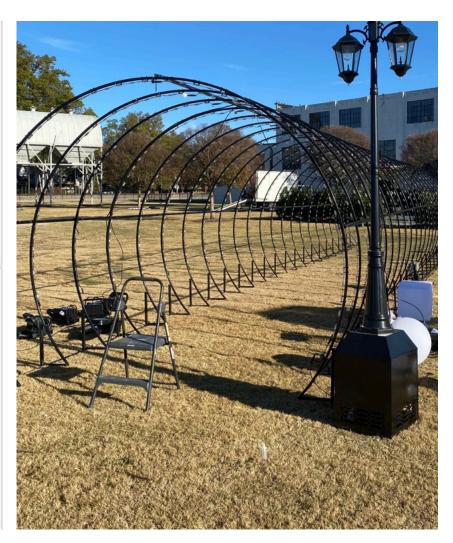
WALK THRU TUNNELS

Imagine driving or walking through a tunnel of constantly evolving colors, patterns and motion. Our custom-designed light tunnels provide a truly immersive lighting experience scalable to any size, length, or resolution. Structures are custom rolled steel box tubing and every curve is template matched for perfect alignment.

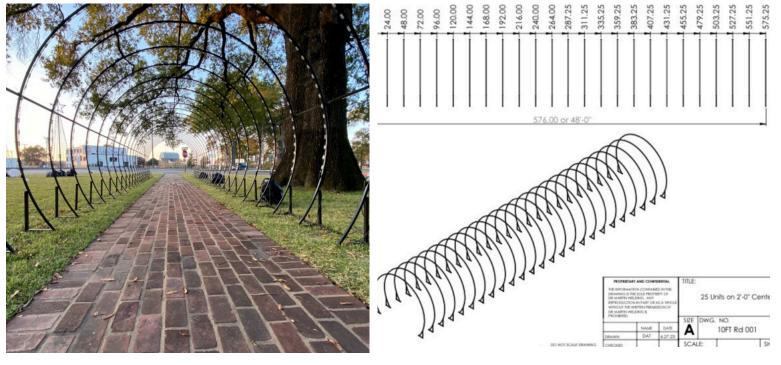
- Light Tunnels can be simple existing kits or custom made for your location and specific needs
- Various sizes and pixel densities to meet client needs
- Works with most DMX/ArtNet/DDP compatible Software including Madrix, Xlights, Resolume, MadMapper and many others
- Can be controllable by our NDB-Pro or NEC with many builtin effects for many amazing static effects without the need for a programmer
- Scroll text, images, and video or create a custom show with music

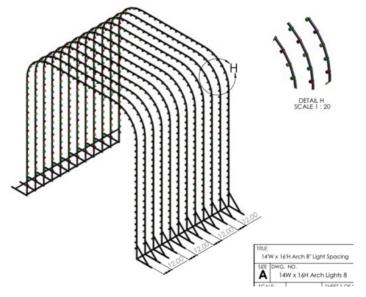
















DRIVE THRU TUNNELS

Imagine driving or walking through a tunnel of constantly evolving colors, patterns, and motion. Our custom-designed light tunnels provide a truly immersive lighting experience scalable to any size, length, or resolution. Structures are custom rolled steel box tubing and every curve is template matched for perfect alignment.



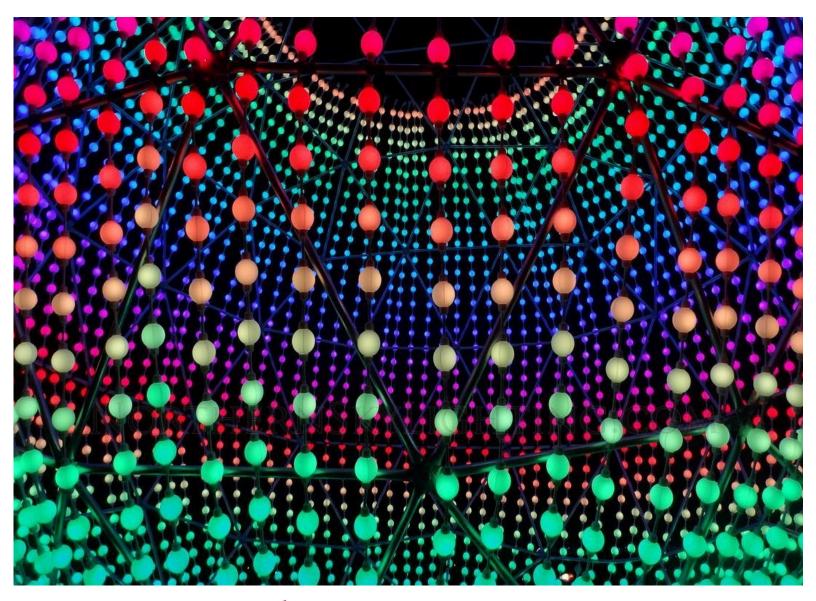




GEODISIC SPHERES

Our 3-D geodesic spheres offer an incredible 360-degree light display. Can display low res video, text, and be sequenced to music to display any effect imaginable.

- Scalable to fit client needs
- Available in kits or custom sizes
- Can be controlled by our stand alone controllers with many built-in effects that play on any sized sphere.
- Scroll text, images, and video.
- Works with most DMX/ArtNet/DDP compatible Software including Madrix, Xlights, Resolume, MadMapper and many others











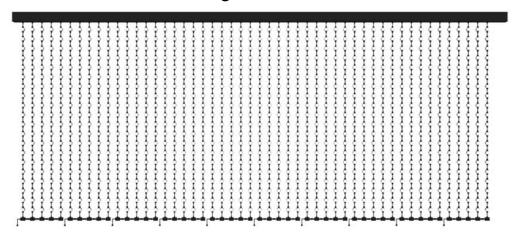




RGB PIXEL VALLS/CANOPIES

Our Grids are an easy way to add incredible color and dynamic motion to any lighting application: DJ Backdrops, Theater or Stage, Holiday drive thru or walk thru Displays, Commercial Signage or Advertising and more!

- Pixel Grids can utilize NSL 360 degree Bulbs, String Lights, NSL RGB Modules, NSL Light Tubes or RGB Flex Strip
- Various sizes, pixel densities, and mounting options available as well as stock and custom frame options to suit any needs DMX/ArtNet/DDP compatible control, as well as internal effects.
- Works with most DMX/ArtNet/DDP compatible Software including Madrix, Xlights, Resolume, MadMapper and many others
- Scroll text, images, and video



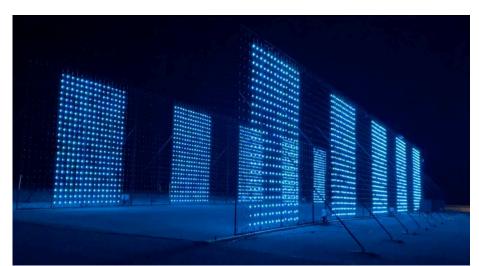






















PIXEL CANE STICKS

Our Animated Pixel Cane sticks can be used in small installs all the way up to larger drive thru venues

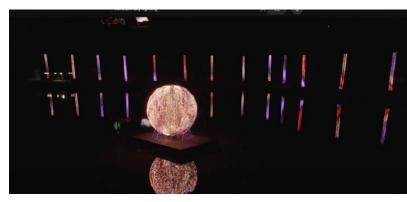
- Available in turn-key kits or custom designed to suit your needs
- Can use our NSL 360 bulbs, NSL Light Tubes, or NSL RGB Modules
- Multiple standard sizes available (6',8',10',12',14',16')
- Custom mounts can be made to attach to flagpoles, trees etc.
- Can be controlled by our stand alone controllers with many built-in effects
- Works with most DMX/ArtNet/DDP compatible Software including Madrix, Xlights, Resolume, MadMapper and many others























D CUB

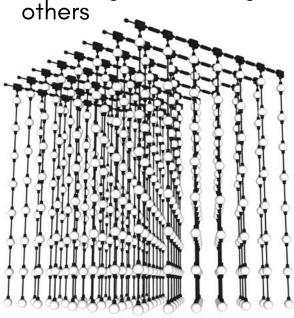
Try these 3-D lighting displays for a truly mesmerizing display of light art

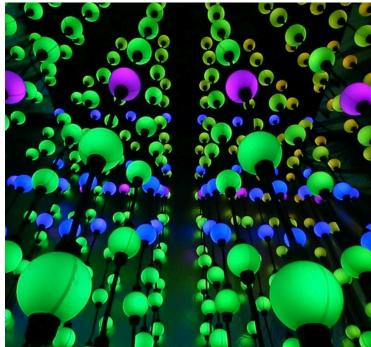
• Available in 8*8*8,10*10*10 or 15*15*15-count kits; custom sizes available (most 3D cubes are custom)

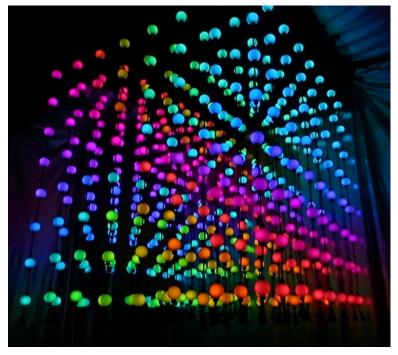
Scalable to any size and shape

• Can be controlled by our stand alone controllers with many built-in effects that play on any sized tree.

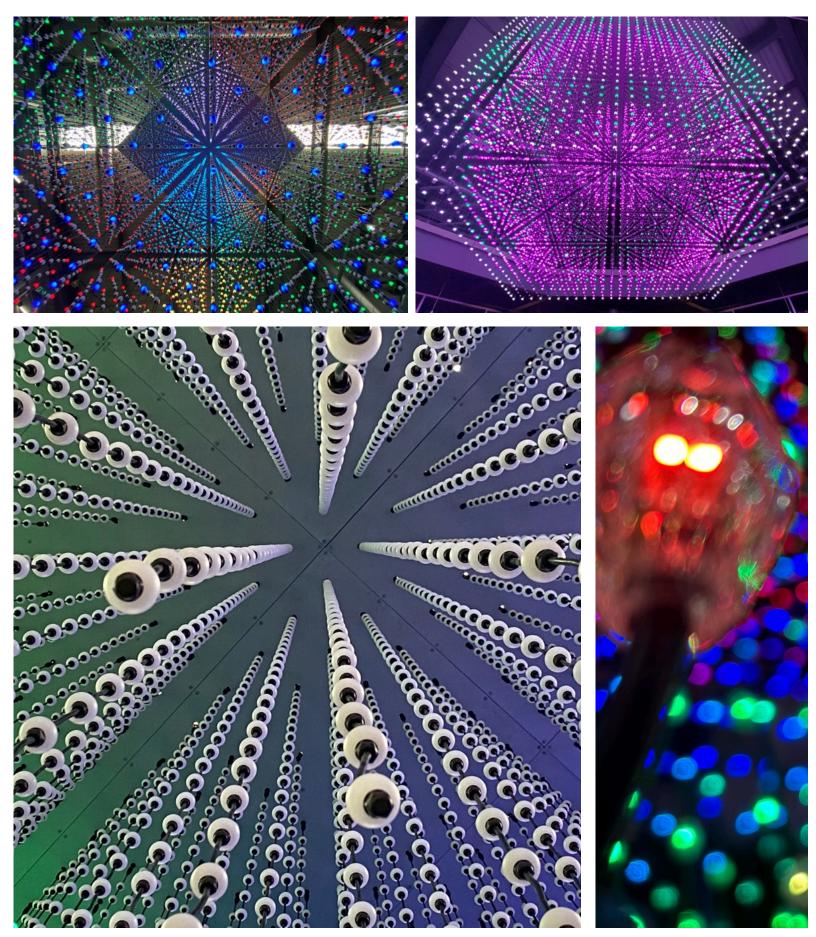
Custom mounting hardware available
Works with most DMX/ArtNet/DDP compatible Software including Madrix, Xlights, Resolume, MadMapper and many







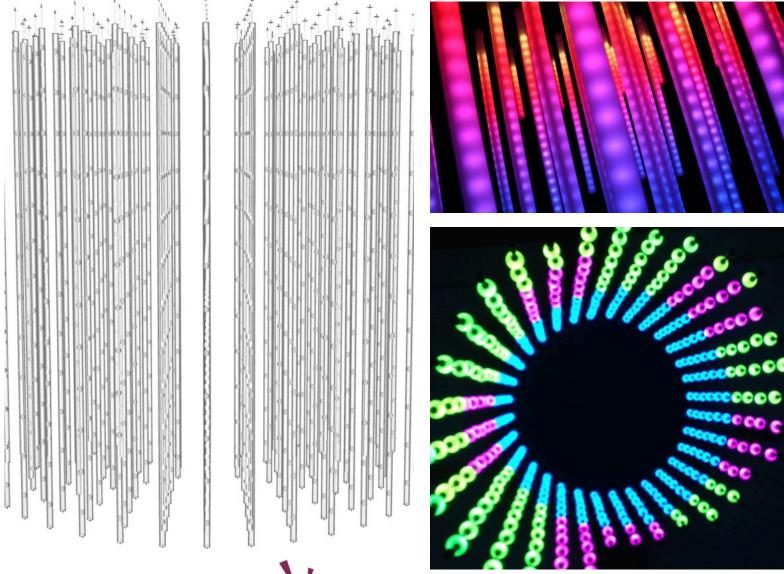




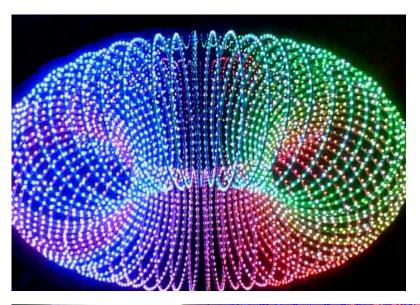
CHANDELIERS

Our taylored to suit chandeliers can be designed to be hung, mounted to truss or hung from cables when needed. These custom pieces can be used in night clubs, casinos, hotels, and other venues

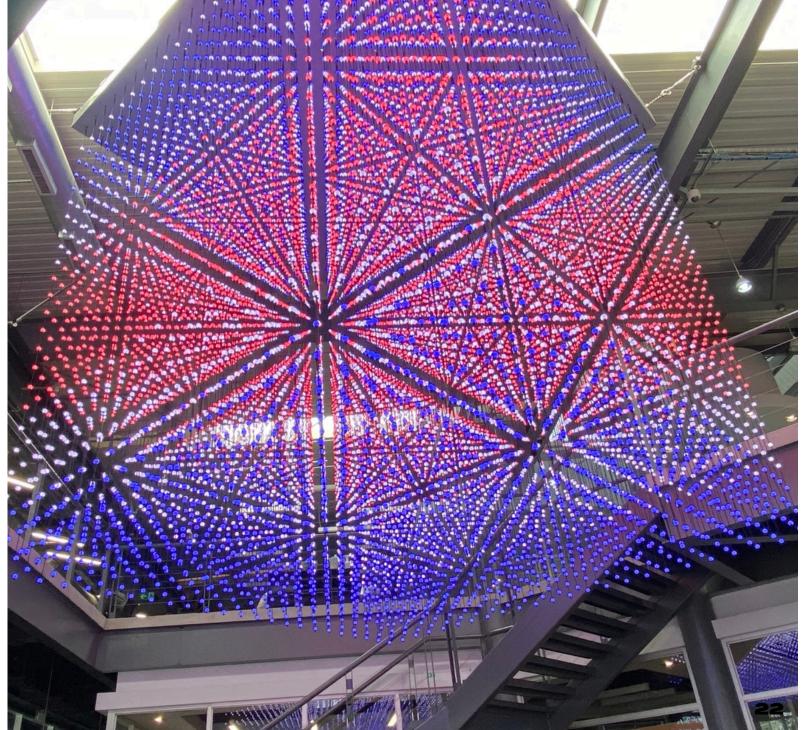
- Available in turn-key kits or custom designed
- Can use our NSL 360 bulbs, NSL Light Tubes, or NSL RGB Modulesmany options avaiable to suit needs/style
- Multiple mounting options available or custom can in most cases be accomidated
- Can be controlled by our stand alone controllers with many built-in effects
- Works with most DMX/ArtNet/DDP compatible Software including Madrix, Xlights, Resolume, MadMapper and many others











SPHERES/CUBES

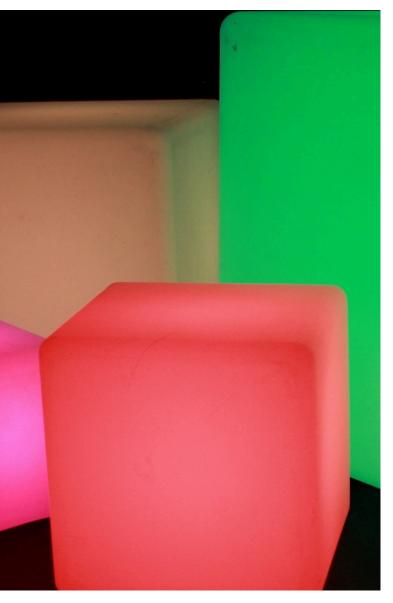
Can be used to create stand alone areas or add to existing larger shows

- Outdoor waterproof RGB pixel spheres and cubes
 Spheres available in 4", 4.75", 6", 8", 10", 12", 14", 16" & 20" sizes
 Cubes available in 4", 6", 8", 10", 12", 14" & 16"
- Can be controlled by our stand alone controllers with many built-in effects (number of cubes or spheres per output depend on size)
- Works with most DMX/ArtNet/DDP compatible Software including Madrix, Xlights, Resolume, MadMapper and many others
- Great for simple decoration indoor or out
- Can be ground mounted or hung

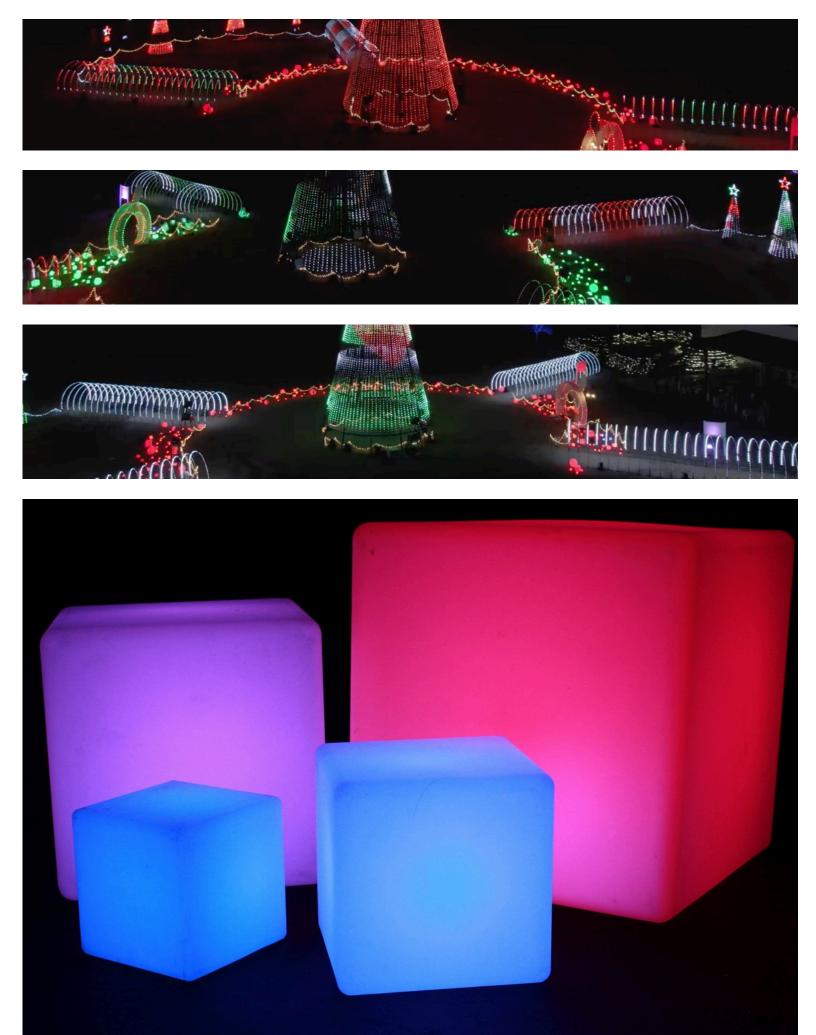












COLOR WASH TILES

Perfect for applications desiring a dynamic color changing effect. Recommended for retail, modern residential, hospitality and entertainment installations. RGB design allows fine-tuned pastel colors, saturated hues without sacrificing illumination brightness

- Provide even and bright illumination across a wide area
- Designed to add safety to your home, Storefront, building complex and more, this flood light is quick and easy to install
- Low consumption, high brightness. Very low heat generating, besides saving light power
- Water resistant with IP65+ rating and UL listed
- Simple WiFi control or works with our other scalable effects generator controllers or you software for more complex needs when necessary compatible control, as well as internal effects.
- Smooth and flicker-free dimming of all colors down to 1%









- 10 watt-Chipset options:WS2811 chipset: 8-bit, 256 greyscale or RGB+/UCS chipset: 16-bit, 65,536 greyscale
- 20 watt-Chipset options: WS2811 chipset: 8-bit, 256 greyscale or RGB+/UCS chipset: 16-bit, 65,536 greyscale
- 30 watt-Chipset options:RGB+3W, RGBW+3W, RGBW+4W (16-bit), WS2811 (8-bit)
- 50 watt-Chipset options: RGB+3W, RGBW+3W, RGBW+4W (16-bit), WS2811 (8-bit)









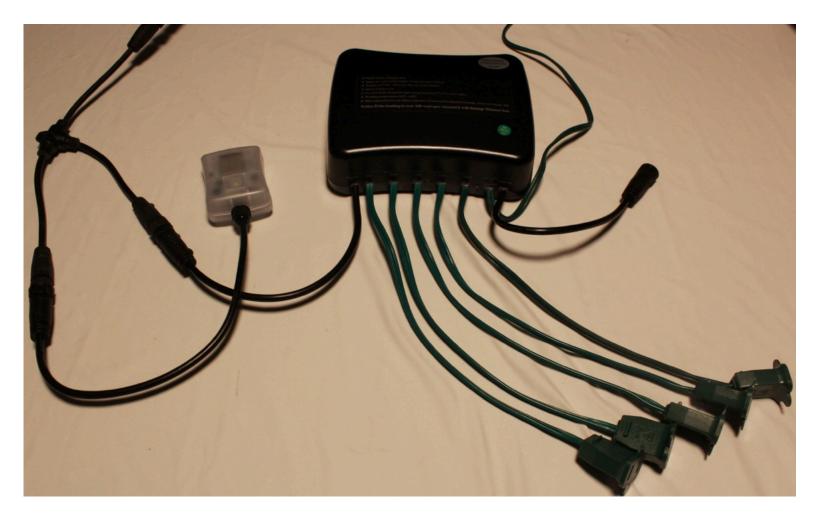




A/C DIMMER & EFFECTS CONTROLLER

This scalable controller allows the user to create effects for basic LED or incandecant strings or lights. Can 5-500 channels and perfect for animating trees, leaping arches, poles, perimeter lighting, net lights and more

- One dimmer controller can control 1–100 pcs of our custom 5 channel dimmer boxes. User can create animations for between 2 channels and 500 channels
- Use our cat 5 to 3 pin extension *DMX* adaptor for *DMX* use without the controller for direct to dimmer control
- Five channel dimmer controllers can be linked directly together or if you need space between standard 3 pin Rainmin spacers can be used
- Up to 100 watts per output (10-20 strings of LED minis)
- Use our custom A/C WiFi scalable effects generator controller or also works with most *DMX* compatible Software





RGB CONTROLLERS

What good are RGB lights without the ability to control them? Our controller options offer game-changing functionality, flexibility, and reliability.

We offer many controller options to fit your project's needs.

WIFI MINI CONTROLLER (WEC)



This controller can control up to 400 of our RGB lights. This controller offers a built-in WiFi interface for control of effects, color, speed and direction settings from any WiFi compatible device. In addition, the controller can be configured to connect to existing WiFi networks for greater range.

WEC3 BOSS (GEN3 WI-FI EFFECTS CONTROLLER)



Control color & animations of various RGB+light strings and fixtures via a dedicated access point, or connect WEC+3 to a larger more robust network. Schedule daily, weekly or hourly scenes with various color pallets on holidays and special occasions throughout the year. Schedule a warm white on all other days. Perfect for residential, or small-to-medium sized commercial installations.

WEC3 DUAL PORT



2025's WEC Dual Port case design gets a major upgrade with 2 individually controlled "split ports", an external hard reset & a compact antenna. v4.0 adds new software features to all WEC3 devices, such as Remote Access & a Pixel Mapper. New features will be incorporated into the "Pixel Dancer" Apps for both iOS & Android in the coming months. All features available today via Web UI.

NETWORK DISTRIBUTION BOX: NDB+4



Rainmin's Network Distribution Boxes boxes are the bridges from your *ArtNet*, *sACN* or NEC controllers to our intelligent light strings. This 4-port version comes with on-board power and a weatherproof box. Connect multiples with unique IP addresses via third-party network switch. Input up to 16 *ArtNet* universes across 16 ports.



CONTROLLERS & ACC.

NETWORK DISTRIBUTION BOX (NDB)



Ethernet controller for RGB light strings. Works with our Network Effects Controller or with most *ArtNet* and *DDP* compatible software or hardware controllers. Distributes power and data to light strings. 16 outputs with 10 inch pigtails. Can also be used with Smart-Ts.

RJ45 jack for ethernet (10/100, full or half-duplex). Supports up to 1600 lights total (max of 800 per port). With proper power supply. Comes with 1/4" ring terminals for power supply.

See our other controllers for 4 port and 8 port options and we provide ready to run 8 & 16 port controllers mounted in weatherproof boxes.

NETWORK EFFECTS CONTROLLER (NEC)



The NEC is used in conjunction with our 4,8 & 16 port NDBs. It can play WAV files from the SD card in synchronization with playing effects, via a 3.5mm stereo output jack. Has two optically isolated input ports, that can be used to trigger playing of effects, sounds and/or files from the SD card. Communicates to the NDBs over a standard ethernet port. Has a *DMX* port that can be used to trigger effects, or it can output *DMX* and control a single *DMX* universe. Can also be used as an *ArtNet-DMX* or *DMX-Artnet* converter.

NSL EXPRESS 16 CHANNEL A/C DMX CONTROLLER (NON RGB)



A 16-channel, 110-volt AC dimmable controller that allows control of LED or Incandescent Light Strings at up to 2 amps per channel. Control lights via our NEC, a standard *DMX*-512 lighting console, or computer using *DMX* software like *Xlights* or other *DMX* compatible software. Used with *Xlights*, the Express allows the user to combine RGB and non-RGB light elements in a cohesive show.

SPACERS AND EXTENSIONS



Spacers and extensions allow additional distance between lights and controllers. Available in 1,2,5,10, and 20 foot sections. Use Smart Extenders when spanning distances beyond 20 feet.

BASIC T-WAY CONNECTOR



The Basic T connects two or more strings to the controller. Strings will operate in parallel and display copies of each other. Can be used to split data and in some cases for power (not a power T for power injection)

SMART T-WAY CONNECTOR



The power T allows for simple power injection. 3 and 4 wire options available and custom mixed (3&4 wire) options are available on the same T

POWER T-WAY CONNECTOR



The Smart T allows you to control each bulb independently. Often connected together (end-to-end), the tap of each one would be connected to a light string to form a grid or canopy of lgihts.

RGB ACCESSOR

We believe that the smallest details are important when designing a light installation, regardless of size. That's why we've designed our RGB Accessories to be flexible, water-resistant, and offer innovative operation when used with our controllers.

RGB+LEGACY SIGNAL ADAPTER

BOOSTERS

SEND/ RECEIVERS

DATA BOOSTER **EXTENSION CABLE**









Control Gen1 Rainmin Legacy RGB strings with the NDB-Pro. And to each NDB-Pro port, before or after Spacer Cables, depending on the style.

12" length. 3-pin. Is not compatible with

Signal boosters are available in both 3 wire and 4 wire options. Though not a product we suggest to work into the design of a project they can assist much like Send/Receivers and can is some cases enhance the data. Mainly for use in cases Smart T's or RGB+WEC's. where first light is 15' or more away from controller and in some complex perimeter lighting designs can assist in data management

Essential to maintain the LED data signal for RGB+ cable runs of approximately 20feet or greater. The Sender converts 3-wire light strings to 4-wire for use with 4-wire Extender Cables. The Receiver then converts the 4- strings or fixtures. Keep in wire back to 3-wire for the next power injection or light run.

Long 4-wire spacer cables to extend the data signal. For use only between Data Boosters. Úse for distances of 20-feet or greater, between the controller and first light, or between light mind this distance needs to be considered in your power calculations due to voltage drop in 12Vdc and 24vdc lighting. Only use when your power supplies can support the added distance.

3 WIRE TO 4 WIRE ADAPTERS



For the new RGB+2 DoubleDATA strings. Connect to any WEC or NDB output port. Then set your controller's configuration to RGB+2.















NSLP50T

NSLD35L

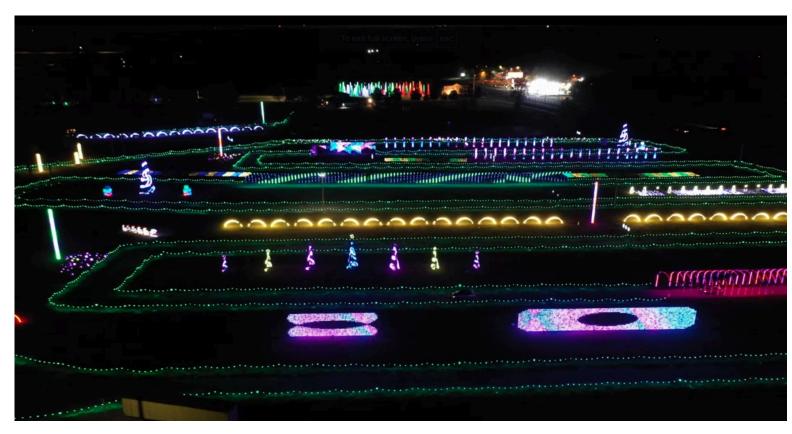
NSLC7ST







Available in C7 Frosted/ Clear/ Faceted, C9 Frosted/ Clear/ Faceted, G20 Frosted/ Clear/Faceted, G30 Frosted /Clear/Faceted, G50 Frosted /Clear/Faceted,





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