

the best in commercial and residential pool lighting

VISUAL AQUATICS

Issue 23 - 2014

**THE
BRIGHTEST
LIGHT WATER
FEATURE
PRODUCT
LINE
AVAILABLE IN
THE MARKET
TODAY**

PROGRAMMABLE

ADD A SPLASH OF COLOR AND
EXCITEMENT TO THE NIGHTLIFE OF
A POOL OR SPA.

**LED BUBBLERS
& PAVERS
OH MY!!!**

LIMITLESS CONTROLS



**10x
BRIGHTER
ARRAY OF
COLORS**

**ARCHITECTURAL
LIGHTBARS**

LED LIGHTBARS USED
FOR OUTDOOR LAMPS,
OUTDOOR FURNITURE WITH
INTEGRATED LIGHTING, STAIR
ILLUMINATION, ETC.

POOL. RENOVATION . LIGHTING . INFORMATION . LIFESTYLE. OUTDOOR LIVING. LANDSCAPING

Add a touch of the Universe to your Pool or Spa by incorporating Fiber Optic Stars

We can help you select the right Fiber Endglow Cables or Fibers and the Right Lighting source that to produce Spectacular visual effects



STAR POOL



FIBER OPTIC STAR KIT

Fiber optic star kits come with the following:

- (500) points of fiber
- (1) ION-8000 illuminator
- 5000 feet of fiber optics
- (500) star point tiles

simply gorgeous

A unique feature of fiber optic lighting is its ability to illuminate a number of points from one illuminator.

One of the best demonstrations of this is shown in star effect in floor pools.

Extremely difficult to achieve with conventional lighting methods, fiber optics make it easy to implement this stunning feature in almost any location, especially in pool and spas.

“A fiber optic pool contributes such a unique ambience that will extend to every other zone of interest to which it connects.”

Is a Fiber Optic Pool Worth the Money?

Yes. Because fiber optic cables operate differently than typical light fixtures, you can do much more with them from a design perspective. The abilities themselves are transferred to light produced by a remote source. The ends of the cables are flush with the surface they illuminate, making it possible to create all types of patterns of geometry and color in a fiber optic pool.

From the perspective of your landscaping plan as a unity, the ability to create any type of lighting effect in your custom swimming pool offers you a tremendous advantage in terms of enhanced curb appeal. The pool is often one of the more prominent features in any yard. Putting it in the best possible light contributes maximum aesthetic to your yard as an entirety.

gallery



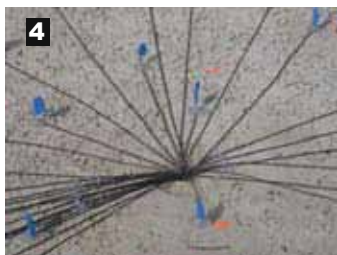
A UNIVERSE in a pool

Fiber optic stars have a natural twinkle and glow. This transformation of your swimming pool into a mirror image of the night sky adds amazing curb appeal to your landscaping plan.



DECORATE your pool

Decorate Your Custom Swimming Pool and Pool House with Fiber Optic Stars



Features:

- Create Dramatic Night Sky Scenes
- Truly Unique Design Application

- 1** Fiber run to the pool through a pre-laid conduit.
- 2** Point Locations are marked with paint
- 3** Fiber and Points laid out in position
- 4** RTV Silicone holds fiber in position
- 5** Grout seals up conduit and fiber
- 6** Completed layout before plaster shows grout covering fiber and conduit. Note: After plaster, acrylic fiber points are cut flush with surface.

Fiber Optic Star Effect - By using Fiber Optic cable you can create this stunning, one of a kind effect on the bottom of a pool.



Recommended EndGlow Cable:
see fiber optic detailed information

Recommended Illuminators

See details about
ION-Series Illuminators



ION Series LED Illuminators



LIGHTBENDER LAMINARS

Illuminati's LIGHTBENDER is the brightest light water feature product line available in the market today. It is 10x brighter than any industry leader laminar.

The LIGHTBENDER outperforms any lit water feature in the world today by virtue of its brightness and distance.



your own bellagio in the back yard

Lightbender Laminar with LED produce clear or lighted arcs of water as they silently enter your pool or spa. Lightbender Laminar jets with LED create spectacular backyard water entertainment with dazzling nighttime lighting effects.

FEATURES:

- Water arcs reach up to six feet high and project out six feet into your pool, spa, or other water feature.
- Installation is made flush to your deck or other surface; no unsightly or unsafe edges, just the magic of water erupting from a hidden source.
- Nighttime color effects include the ability to hold a steady color or control through a range of available colors. A Serial, color-changing LED lighting system is at the heart of the Lightbender Laminar. It has a variety of display programs—synchronized, random, party and can freeze on a single color.

Lightbender Laminar create totally clear, uniform arcs of moving water that originate from either your pool deck or surrounding landscape. At night, these translucent streams are brilliantly colored with an LED light source. The result is a water effect that adds an elegant bit of entertainment to your pool area.



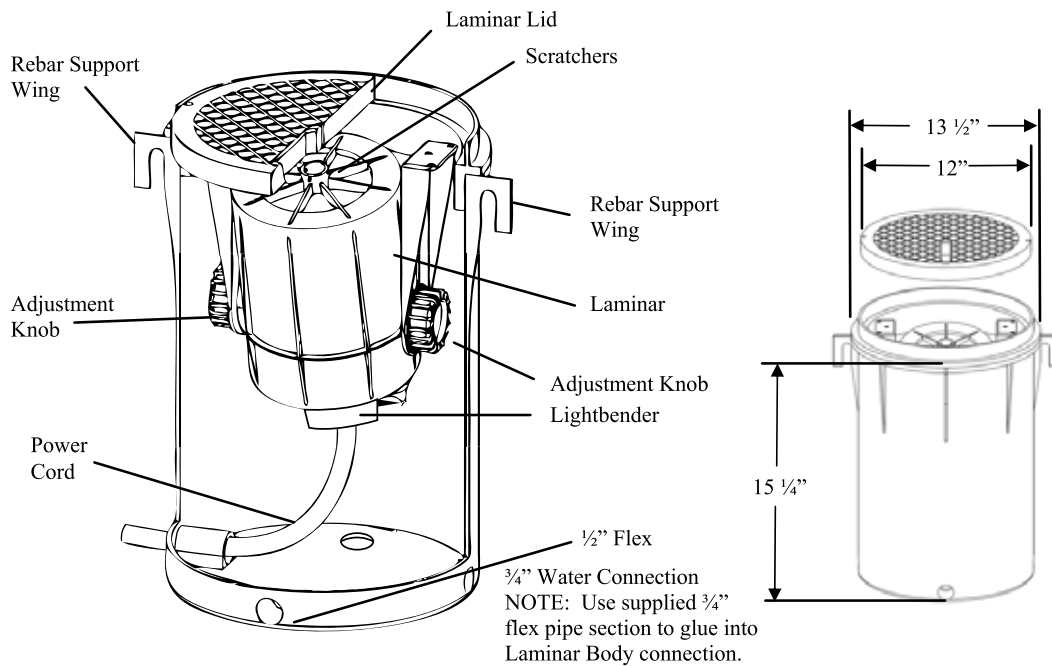
DRAMATIC colors at night

The LIGHTBENDER can transform the simplest of pools or architectural projects into a showplace, day or night.



BRIGHTER than any other

The LIGHTBENDER adds a splash of color and excitement to the nightlife of any pool, spa or water feature.




BENEFITS

- Completely programmable for wide array of colors and lighting effects
- Self contained LED color changing & dimmable light driver included with each product w/optional DMX controller.
- Set it as you like
- Super bright!!! 10 x brighter than any other products available today
- Multiple control & dims options
- DMX and RS232 programmable with a wide variety of music shows and controlled on and off with standard switching or remote
- Used as an aquatic and architectural theatrical fixture.
- Can be placed in most any location from concrete decks, raised bond beams or even on flat surfaces
- Easy to install

SPECIFICATIONS

- 10 or 40 Watt
- 50 Ft.-100 Ft. cord and or Custom
- Laminars are designed for total water throws of 12 Ft. or less
example: 6' up, 6' out
5' up, 7' out
4' up, 8' out
- Warranty: 1 year



VISUAL BUBBLERS

Imagine a backyard filled with soothing sound and brilliant color. Visual Aquatics LED Bubblers shoot streams up to thirty inches high in vivid LED colors. The cascading flume creates a natural sound and relaxing ambiance.

Specific Features Include:

- Energy efficient color LED lights - features 5 vibrant colors and 7 dazzling light shows.
- Designed for 2" - 10" water depth.
- Perfectly synchronizes with IntelliBrite® 5g Underwater Color-Changing LED Pool and Spa Lights.





VISUAL BUBBLER - 75 Strands of Fiber

Perfect for sun shelves, swim outs, beach entry areas, or small fountain areas. Provide that splash of color in a flume of water approximately 4" - 6" above the water surface.

Visual Aquatics' Bubbler mounts flush on sun shelves, swim outs, etc. You can locate the bubbler just under or out of the water on fountains for two completely different effects. Each bubbler is preassembled for easy connection to a water supply line and a conduit connection for the fiber. The bubbler comes with 45' of 75 strand fiber pre-attached and uses Visual Aquatics' Bubbler sealed lens assembly. It has simple water flow requirements and needs 1-1/2" plumbing for water and 3/4" conduit for fiber.

Visual Aquatics' Bubbler may be installed in many different methods and applications, such as: Flush with interior surface (described below), raised off the surface area but with the tip under the water surface (typically fountains), or raised above the water surface (typically fountains). The minimum flow rate is 8-10 GPM.

INSTALLATION FOR GUNITE POOLS

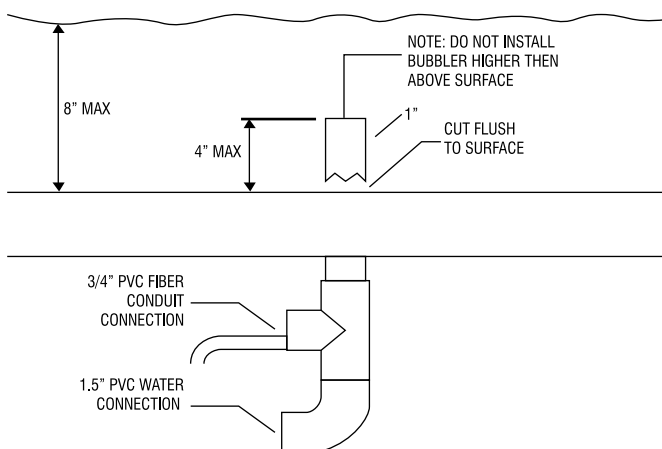
The Lighted Bubbler is designed to be installed during the gunite phase of pool building. Two conduits should be run to the bubbler: 1-1/2" PVC pipe for water supply and 3/4" conduit for fiber. The pipe supplying the water to the bubbler should have a gate valve or ball valve installed to adjust the water supply flow. The conduit for the fiber optic cable should be run to the Visual Aquatics' ION illuminator position and installed per directions included with the illuminator.

FOR FLUSH SUN SHELF / SWIMOUT INSTALLATIONS

IMPORTANT NOTICE - DO NOT INSTALL THE BUBBLER TIP MORE THAN 4" ABOVE THE GUNITE SURFACE AREA! THE INTERIOR OPTIC ROD IS 4 3/4" DOWN FROM THE TIP'S TOP AND WILL BE DAMAGED IF TRIMMED FOR FLUSH INSTALLATIONS BELOW THIS LEVEL!

The Lighted Bubbler is designed so that the tip of the bubbler is approximately 4 to 8 inches underwater. Keep in mind that the deeper the tip is underwater the less the lighting effect will be above the water. Visual Aquatics' recommends that during installation the Lighted Bubbler tip is capped off with tape, etc. so that no debris gets into the internal area of the bubbler. After connecting the fiber to the ION illuminator and the completion of all steps indicated above, turn on the water supply. Adjust the water volume to achieve the desired water flume/lighting effect.

Lighted Bubbler for Gunite Pools



Recommended Illuminators



Ion Series LED Illuminators



An Illuminator is needed to install this fixture.



VISUAL waterfalls

Visual WaterFall™ is one of the most popular waterfalls on the market. It creates a beautiful sheet flow effect. The extraordinary combination of light and visual effect created by the fiber optic waterfall will provide a more animated and interesting landscape feature that brings your swimming pool to life.

These unique Fiber Lit Sheer WaterFalls come complete with fiber pre-attached. Illuminati's Visual Waterfalls adds a dramatic nighttime excitement that is breathtaking.

"The effects of this unique combination of water, light and sound has quickly made the visual waterfall one of our most popular products."

- Illuminati

Residential Project: Miami Florida

FIBER OPTIC WATERFALLS





An Illuminator is needed to install this fixture.

Recommended Illuminators

See details about ION-Series Illuminators



Ion Series LED Illuminators

We have taken the Original Waterfall and added fiber optic lighting and the results are stunning. Visual Aquatics Waterfall™ is one of the most popular waterfalls on the market. It creates a beautiful blue glow effect.

VisualWater Falls - Fiber Optically Lighted Sheer Falls - White Only

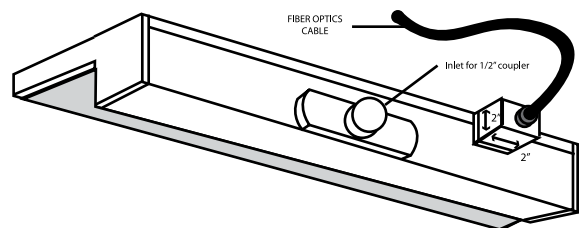
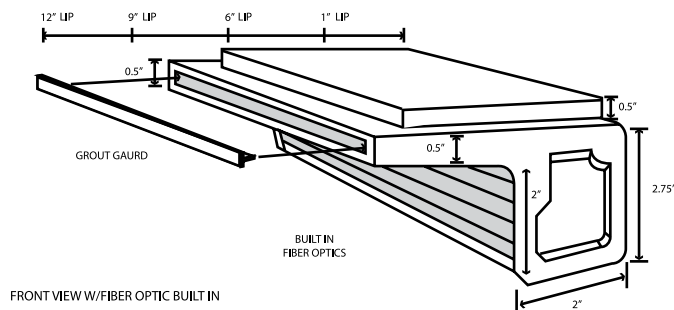
VAWF-12-9-NF-40F	12" Visual Waterfall, 40' Fiber- 25 Strand
VAWF-18-9-NF-40F	18" Visual Waterfall, 40' Fiber- 50 Strand
VAWF-24-9-NF-40F	24" Visual Waterfall, 40' Fiber- 50 Strand
VAWF-36-9-NF-40F	36" Visual Waterfall, 40' Fiber- 75 Strand
VAWF-48-9-NF-40F	48" Visual Waterfall, 40' Fiber- 100 Strand

Special Order

VAWF-60-9-NF-40F	60" Visual Waterfall, 40' Fiber- 150 Strand
VAWF-72-9-NF-40F	72" Visual Waterfall, 40' Fiber- 150 Strand
VAWF-84-9-NF-40F	84" Visual Waterfall, 40' Fiber- 175 Strand
VAWF-96-9-NF-40F	96" Visual Waterfall, 40' Fiber- 200 Strand

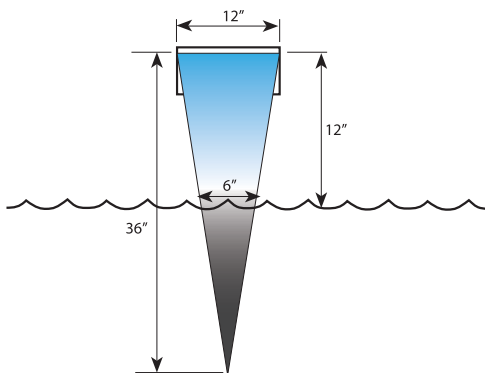
We also offer on a Special Order Basis - Radius Cuts & Bottom Feed. Please contact us

VISUAL WATERFALL™

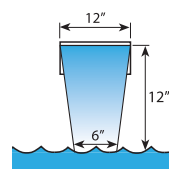




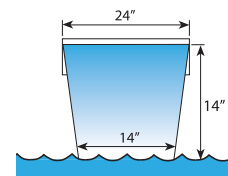
Sheet flow waterfalls naturally narrow as they fall. This is illustrated by the diagram below. The diagrams to the right show the recommended waterfall height from the lip of the fall to the water surface.



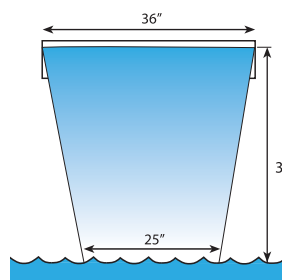
Waterfalls naturally narrow as they fall



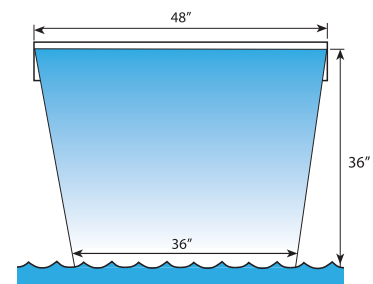
12 " Visual Waterfall



24 " Visual Waterfall

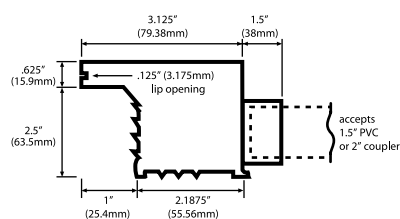


36 " Visual Waterfall

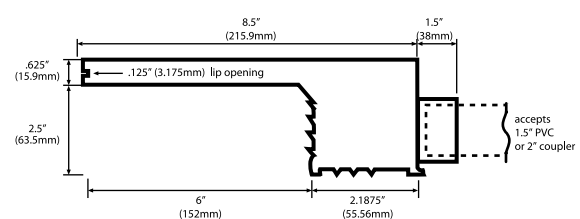


48 " Visual Waterfall

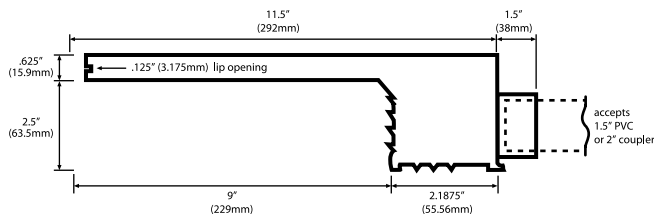
Recommended waterfall height from lip of fall to the water surface



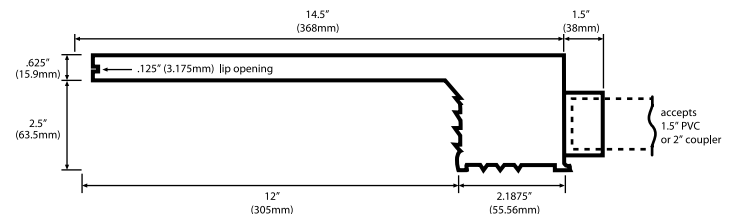
1" extended lip waterfall



6" extended lip waterfall



9" extended lip waterfall

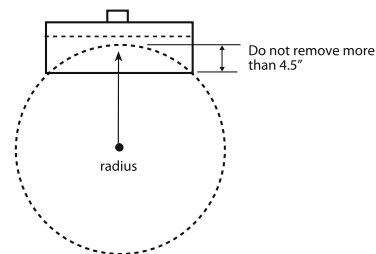
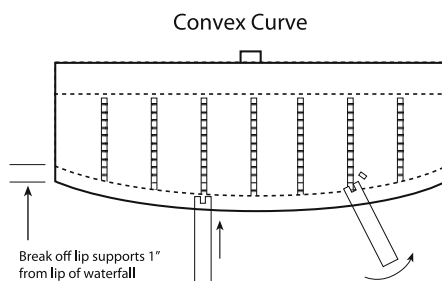
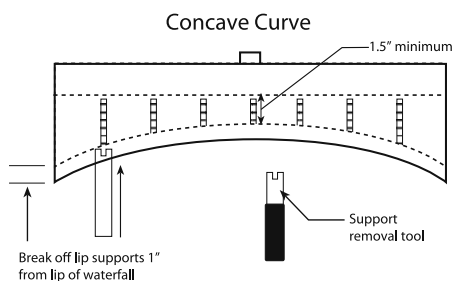
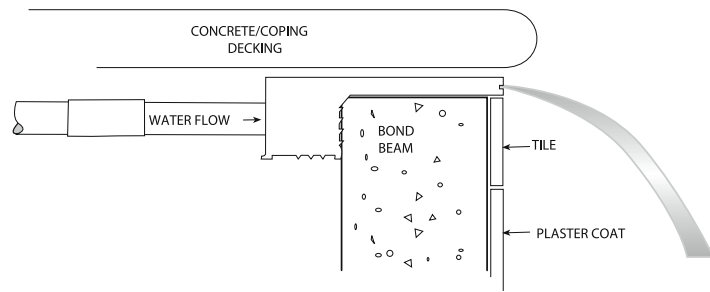
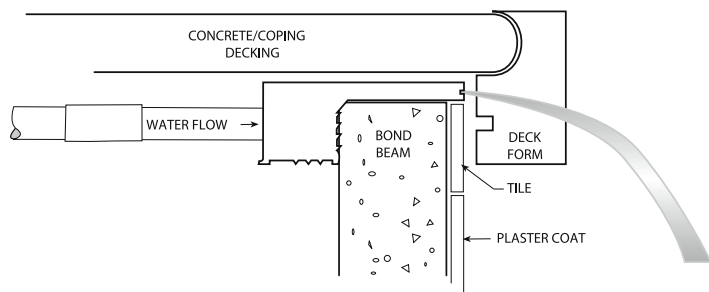


12" extended lip waterfall

NOTE: All waterfalls are back-fed.
Bottom feed available by request.

DESIGN GUIDE

VISUAL WATERFALL



Note: Never remove more than 4.5" of the extended lip, leaving a minimum of 1.5" of lip. The top of the beam, where the Visual Aquatic Water Fall unit is to be installed should be a minimum of 9" thick.

When designing custom curves for the Visual Aquatic Falls Extended Lip models, please refer to the following Minimum Radius Table to select the correct Visual Aquatic Falls model. Some models accommodate very tight radius curves and are available by special order.

MINIMUM RADIUS PER WATERFALL LENGTH

- 1' long fall = 1' minimum
- 1.5' long fall = 1.5' minimum
- 2' long fall = 2' minimum
- 3' long fall = 3' minimum
- 4' long fall = 4' minimum
- 5' long fall = 5' minimum
- 6' long fall = 6' minimum
- 7' long fall = 7' minimum
- 8' long fall = 8' minimum



OUTDOOR lightbars

LED light strips have gained popularity over the past years. They presented challenges to architects, landscapers, designers and all the trades people who have worked to install them. Illuminati designed a new LED lighting system - LED lightbars that eliminate the practical problems related to LED light strip mounting and create endless design opportunities for the outdoors.

X-LUME LED fixtures and profiles are aimed to light and illuminate various areas in residential and commercial applications such as: floors, pools and spas, outdoor kitchens, driveway, trees in the garden, communication routes, etc.

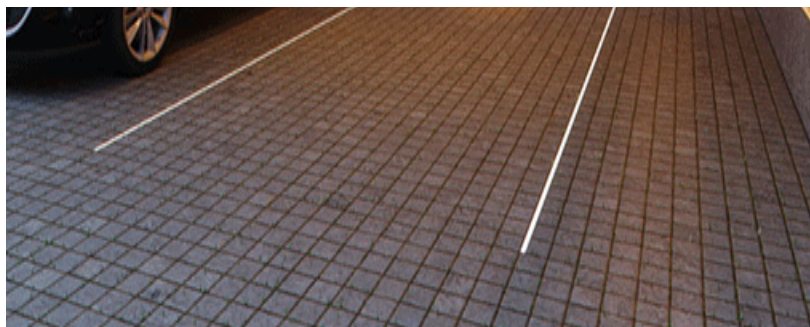
LED lightbars can be used to create outdoor lamps, outdoor furniture with integrated lighting, stair illumination, etc. LEDs can be applied everywhere where light is needed.

Illuminati's lightbars are sleek and streamlined, presenting a clean and modern look. Their many shapes and sizes make them suitable for a countless variety of residential and commercial applications. Both the professional designer and the creative homeowner are comfortable experimenting with this product to achieve stylish results. Outdoors, LED lightbars systems can be used to illuminate garden statuary or water features. They can create a romantic ambience in the outdoor relaxation area of the patio or brighten a play area for the children. LED lightbars are found in hotels and restaurants, bars and shopping malls. There is no opportunity too large or too small for this adaptable lighting system.

**Outdoor LED
Aluminum Channel**

LED OUTDOOR LIGHTBARS

The design choices are endless. Choice of light color sets the mood, from a comfortable warm white to a rocking red. The LED lightbars provide stable mounting for the LED ribbon lights. They can be mounted almost anywhere as they are compact and can be cut to fit any desired spaces inside or outdoors. Using LED extrusions really maximizes opportunities to take advantages of all the features of LED strip lights.





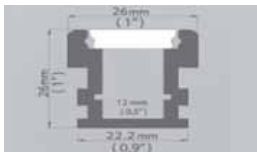



IL-XTRU-3579: 39.4 IN. ALUMINUM LED LIGHTBAR FOR OUTDOOR APPLICATIONS

SPECIFICATIONS

The XTRU-3579 LED Profiles are an innovative way to create your own light fixtures with LED ThinGlow Light. Suitable for surface mounting or recessed installation, these high quality profiles provide a unique way to make use of linear low voltage lighting and are the designer's choice for creating light fixtures for commercial and residential LED strip lighting.

The XTRU-3579 Aluminum Mounting Channel is used to hold LED tape light and allows you to create your own custom LED low voltage lighting scheme.

Please note: These profiles are only compatible with LED strip light 0.5 inches wide or smaller. They are compatible with ThinGlow Standard, High Output, and RGB tape lights.

PROFILE	LENGTH	SURFACE FINISHING	ITEM NUMBER
	1m/ 3.28ft (standard) 2m/ 6.56ft (standard)	Anodized	IL-XTRU-3579
	1m/ 3.28ft Cover 2m/ 6.56ft Cover	Frosted 96% or Transparent, more rigid, perfectly flat	1316
	Endcap Endcap with hole	Endcap PCV Endcap PCV with hole	1383 1445 (Hole)
	1240mm (48.81inch) L x 30mm (1.18inch) W x 10-100 (.4inch - 3.94inch) H	Base Foam	1466

Controllers and Power Supplies sold separately.





IL-XTRU-1888: 78.75 IN. ALUMINUM LED LIGHTBAR FOR OUTDOOR APPLICATIONS

SPECIFICATIONS

The XTRU-1888 LED Profiles are an innovative way to create your own light fixtures with LED Tape Light. Suitable for surface mounting or recessed installation, these high quality profiles provide a unique way to make use of linear low voltage lighting and are the designer's choice for creating light fixtures for commercial and residential LED strip lighting.

The XTRU-1888 Aluminum Mounting Channel is used to hold LED tape light and allows you to create your own custom LED low voltage lighting scheme.

Please note: These profiles are only compatible with LED strip light 0.5 inches wide or smaller. They are compatible with ThinGlow Standard, High Output, and RGB tape lights.

PROFILE	LENGTH	SURFACE FINISHING	ITEM NUMBER
	1m/ 3.28ft (standard) 2m/ 6.56ft (standard)	Anodized	IL-XTRU-1888
	1m 3.28ft Cover 2m 6.56ft Cover	70% Transparent (Frosted), more rigid, perfectly flat	1547
		96% Transparent, more rigid, perfectly flat	1548
	1m 3.28ft Cover 2m 6.56ft Cover	70% Transparent (Frosted), more rigid, perfectly flat	1369
		96% Transparent, more rigid, perfectly flat	1370
	1m 3.28ft Cover 2m 6.56ft Cover	96% Transparent, more rigid, perfectly flat	00220
	Mounting brackets	Zinc or Chrome	1072(Zinc) 1345 (Chrome)
	End Caps	Endcap PCV	1058
		Endcap PCV with hole	1050
		Electricity conductive end cap	1443

Controllers and Power Supplies sold separately.



WATERPROOF SPLITTER REF. 42703

voltage: 12 V or 24 V
For round wire Ø4mm-10mm

Visual Aquatics waterproof boxes are designed for easy connecting and branching of power cables, giving the waterproof connections.

They come in two types:

Waterproof Splitter - connects three cables to allow for their branching

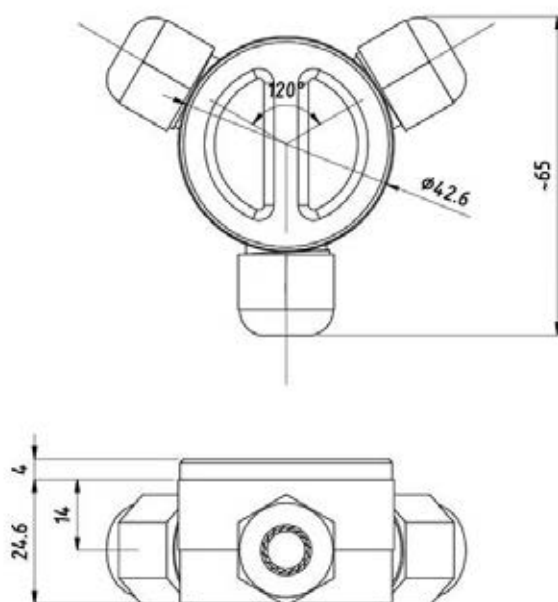
Waterproof Coupler – connects two cables. It allows for making power connections, e.g. supplying power to light fixtures

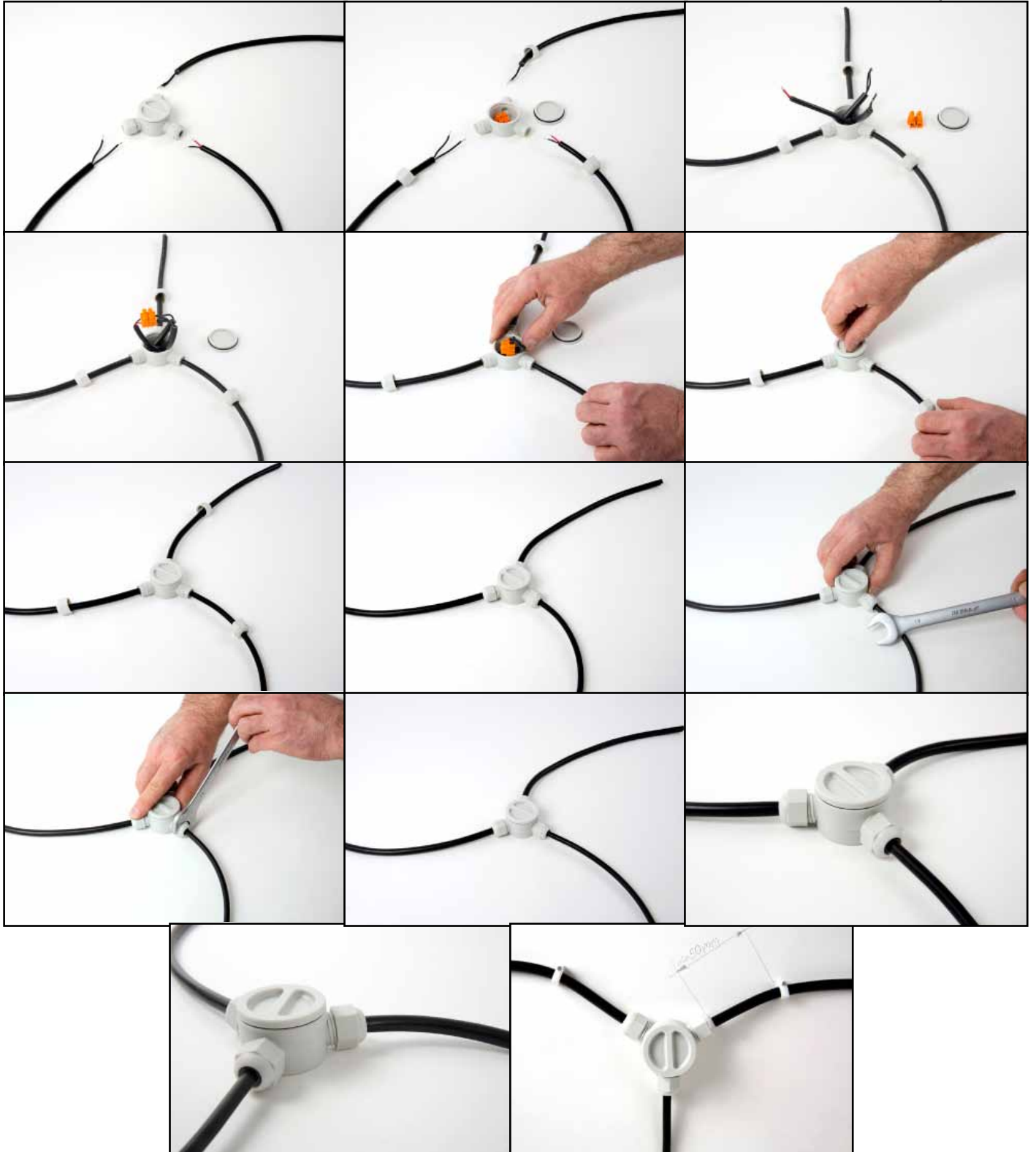
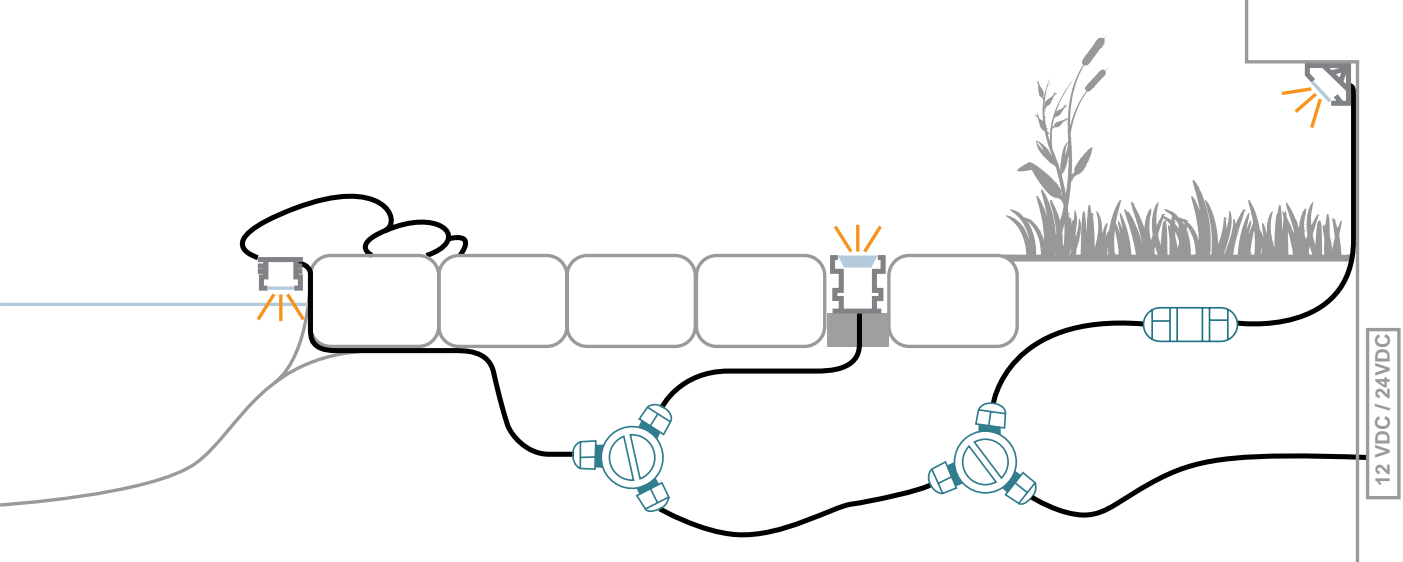
Waterproof Splitters and Waterproof Couplers are designed for two-wire cables with insulation of circular cross section of outer diameters from 4 mm to 10 mm.

If the above are applied, you can lead power cables with voltage 12 and 24V, for example, for the illumination of gardens, facades, landscaping, swimming pools, skating rinks, sports facilities, exhibition facilities, etc.

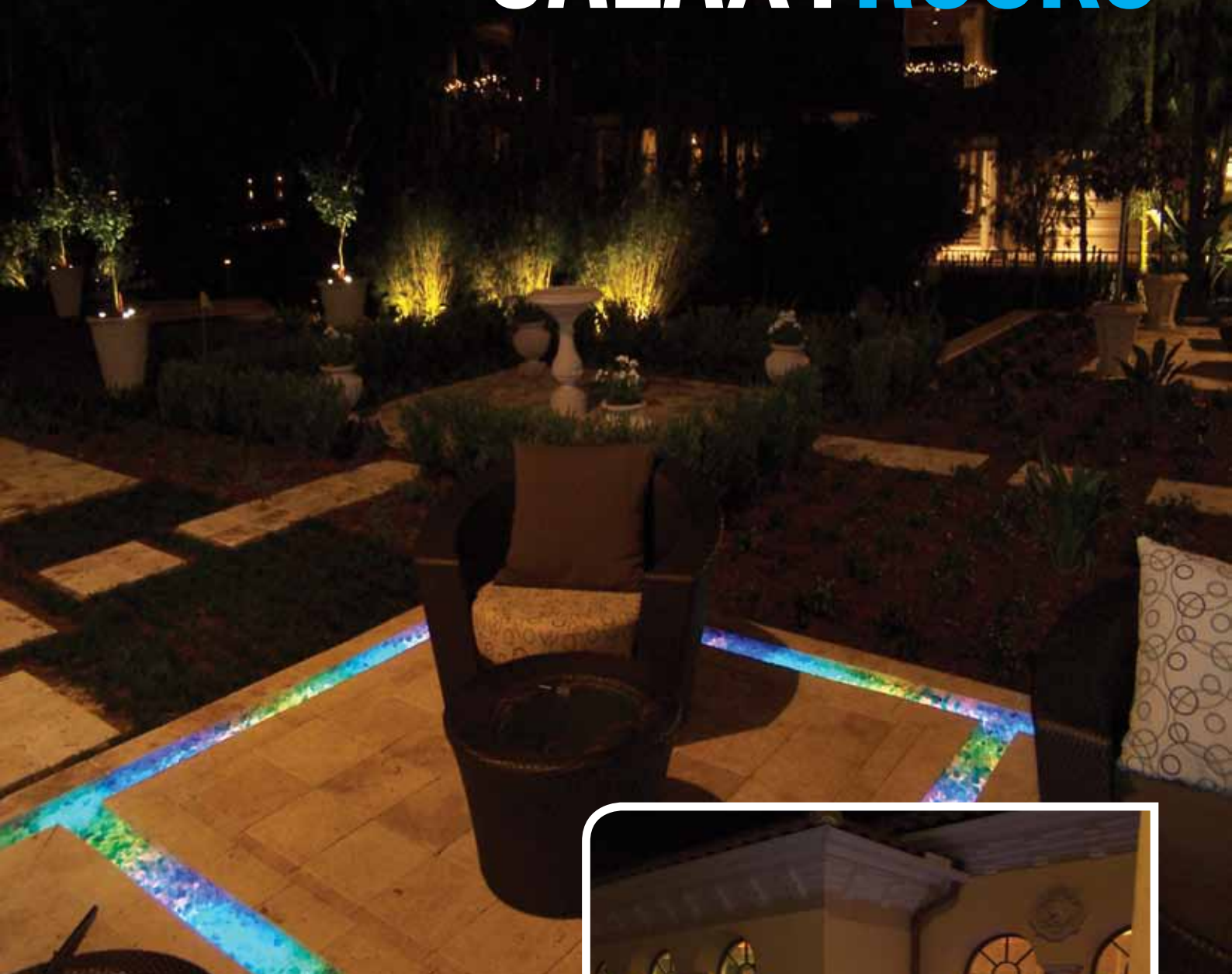
Installation, using the waterproof splitters waterproof couplers and suitable cables, can be performed in the ground, lawn, under the passageways, etc. Waterproofness of boxes and coupler is ensured by their special design. You can further secure the cable connections from moisture by filling the splitters or couplers with silicone paste after the cables have been assembled.

Connections and branching of the power cables through Visual Aquatics waterproof boxes do not require any special tools. Only simple commonly used tools are required.



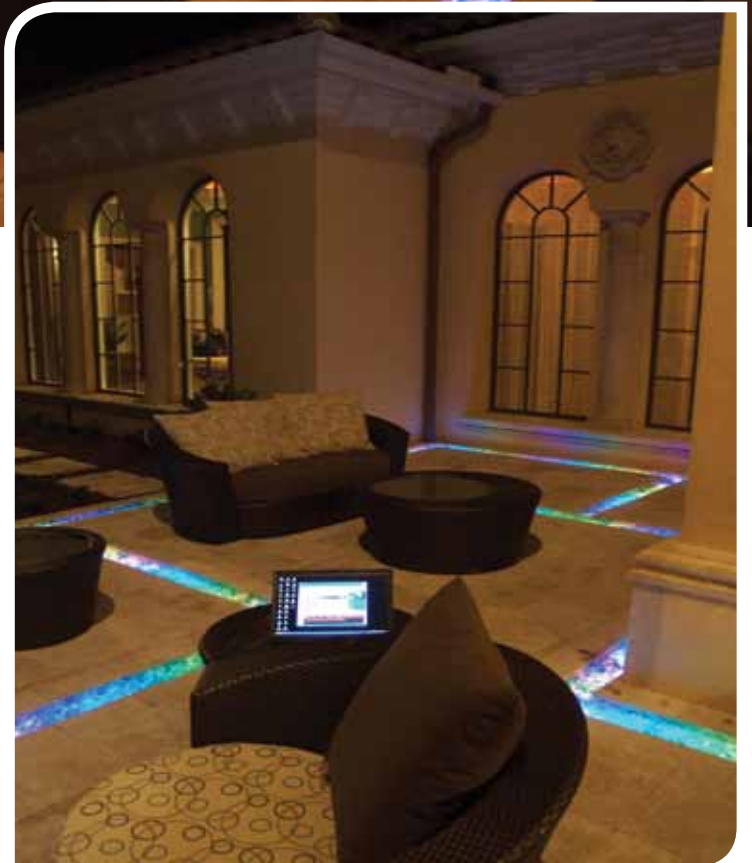


GALAXYROCKS



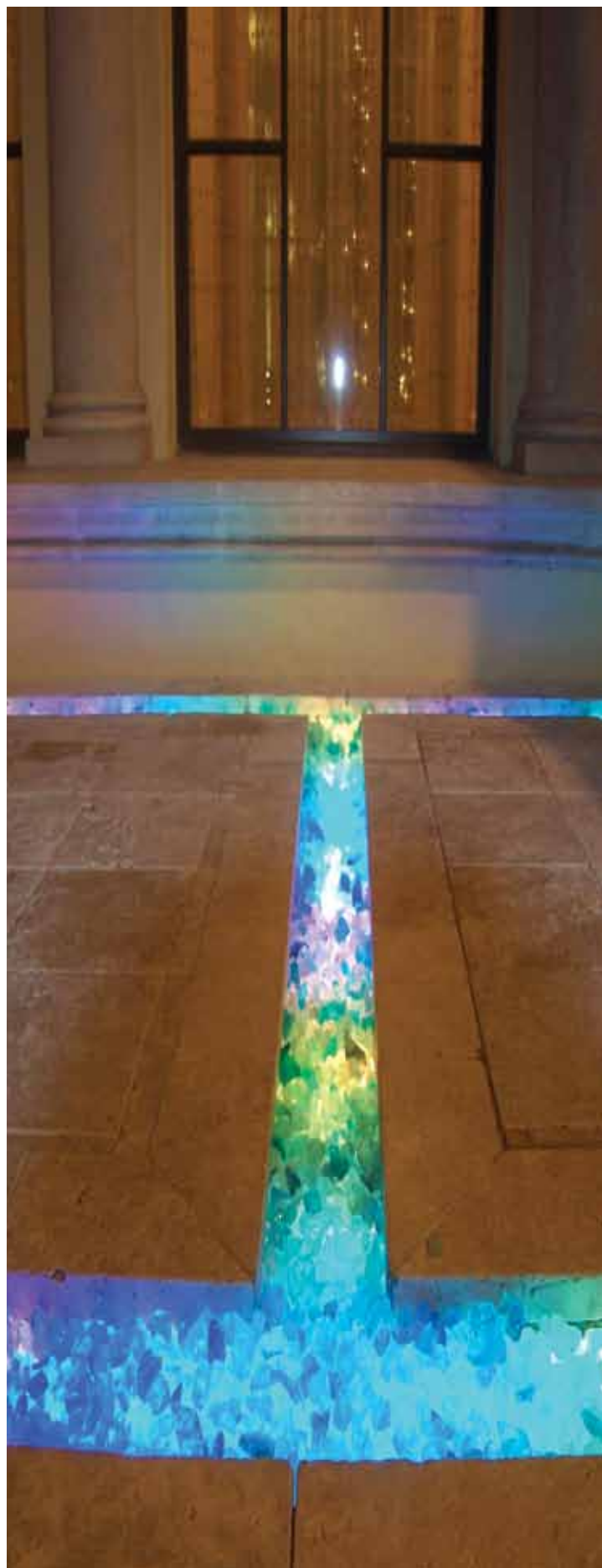
Make a statement with Illuminati's Galaxy Rocks™.

Our Galaxy Rocks™ can provide a striking lit ground for your Galaxy Rocks™. They can provide the permanent glow you seek. The rainbow of colors available in the Galaxy Rocks™ along with our LED products is unprecedented in multi applications. Dry river beds, fountain accents, flagstone fillers, paver aggregates, rock gardens, bar countertops, fire place, center pieces and floor art.



Illuminati end fitting

Galaxy Rocks





FIBER OPTICS GALAXY SPILL & FIRE POTS

Whether you want to add a one of a unique style to your home, or create a special ambience for special occasions, Illuminati's fiber optic spill and fire bowls are the perfect solution. These fiber optic bowls are great decorative pieces for creating an ideal focal point that will provide a magnificent source of light and heat.



available in either automation or manual operation using iluminati's **ION-SERIES**

Illuminati's Fiber Optic Pool Spill and Fire Pots are used to create water features in pools, ponds and anywhere you want water to spill and light up.

We fabricate unique concrete fiber optic pots with single, double and triple apertures. We also have NEW LIGHTWEIGHT fiber optic pots that are beautiful and also easy to transport, and install.

Illuminati's Fire pots come in all shapes and sizes and will fit in most any space, large or small. Starry park benches and dancing fire demands attention as the focal point of a backyard or it can simply accent your outdoor design. Have fun creating your own outdoor experience with our one of a kind fiber optic fire pots.



A GRAND effect at night

add style to your home, or create a peaceful
ambiance for special occasions



ONE OF A KIND fiber optic spill bowls

Creating an ideal, one of a kind focal point in
your pool and spa.



EP-WIFI LIGHTING SYSTEM



club

yacht

casino

stadium

residential

office

facade

apartment

museum

train station

restaurant

resort

home

theme parks

residential

garden

shops

monument

airport

commercial fountain

ARCHITECTURAL LIGHTING

casino

apartment

exhibition

restaurant

hotel

airport

landscape

commercial

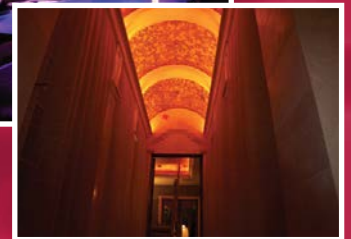
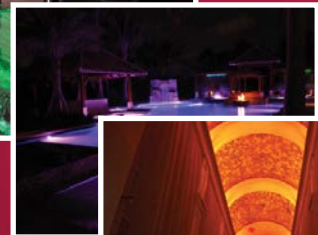
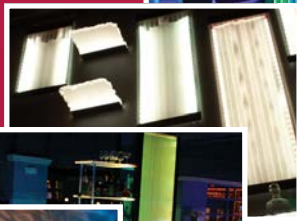
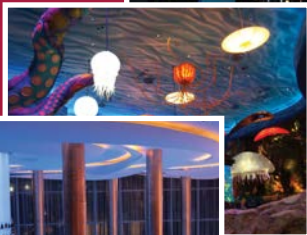
home

exhibition

resort

hotel

facade



ARCHITECTURAL LIGHTING USE THE WIFI LIGHTING SYSTEM ANYWHERE

The Epic™ Wifi Lighting System is a family of products designed to connect almost any LED lighting to a network in a matter of minutes.

Includes a choice of wireless WiFi or wired TCP/IP, serial RS232 controller and the EPIC's Symphony music and sound module.

The innovative design of the Epic™ Wifi Lighting Control System allows for easy and flexible integration into any network control solution.

The Epic™ Wifi Lighting Control System is a simple wired (EP-WLS-ETH) or wireless (EP-WLS-WIFI) conduit between you and your device over a network.

This is instant network-enabling at its best, delivering the power of choice at a cost-effective price.

Software Installation Video Instruction @ <http://epicskytech.com/ep-led.html>



EPIC™ WIFI LIGHTING SYSTEM

BEYOND THE LIMITS!

2101 West Central Blvd. Orlando, Florida 32905 Tel: 1.800.507.5714

the most simple
RS232 lighting controller

the most powerful
lighting software bundle

the new industry standard
for RGB, LED, RS232 lighting



**EPIC WIFI
LIGHTING SYSTEM**

control via
IPAD | IPAD MINI | IPHONE | ANDROID



EPIC TOUCH
wall mounted serial controller



or

- Pre-programmed, does not need software setup
- Single cat5 connection
- Simple ambient light control
- Mounts to a single gang electrical box
- Full control for you star panels and full control of your Pulsar Melody
- Easy to use touch interface
- RS-232 output
- Full compatibility with all epic sky tech products



Serial LED LIGHTING CONTROLLERS

EP-RS232-ADVANCED & EP-RS232-PRO

The EP-RS232-ADVANCED and EP-RS232-PRO RGB LED Controllers are a highly professional and intelligent system to control common anode LED lighting via RS232 serial commands. The EP-RS232-ADVANCED and EP-RS232-PRO provides 4 high current channels to create light scenes. Total scene control is accomplished by interfacing with a computer control system through any RS232 serial port. This innovative serial controller is an ideal solution for your stand-alone and integrated home lighting systems.



EPIC SYMPHONY

The EPIC SYMPHONY is an music interface that analyzes a variety of frequencies and controls LED channels accordingly. The symphony is completely controllable via RS232.



EPIC DISTRIBUTION

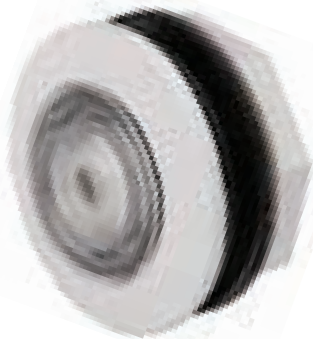
The EP-DIST-01 is designed for easy and clean installation.

EP-ELS-ETH OR EP-ELS-WIFI

The Epic™ WiFi Lighting Control System is a simple wired (EP-WLS-ETH) or wireless (EP-WLS-WIFI) conduit between you and your device over a network.



FIBER OPTIC UNDERWATER LENS



- VA* Plastic Lens, Tested and Proven for Pool & Spa Environments
- Fits Standard Return Fittings
- New Design Eliminates Leaking Lens Issues
- No Electricity - No Heat at the Lens
- For Main Pool, Spa, Steps, Swim Outs and Water Features

Fiber Optic Underwater Lens - Underwater lens for pools, fountains and water features

Model	Description
VAG1	Plastic "bullseye" lens; Gunite - Black
VAF1	Plastic "bullseye" lens; Fiberglass
VAV1	Plastic "bullseye" lens; Vinyl

NOTE: Black housing available. Add suffix "BLK" to part number (i.e. VAG1-BLK).



FIBER OPTIC UNDERWATER LENS

PROJECT:

DRAWN BY:

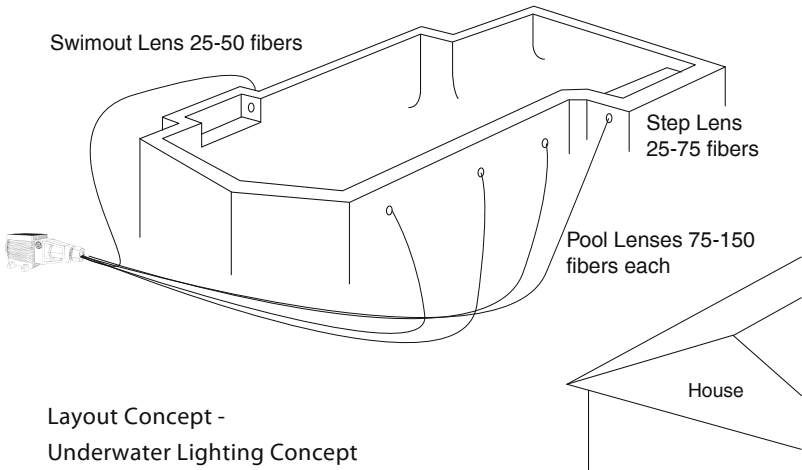
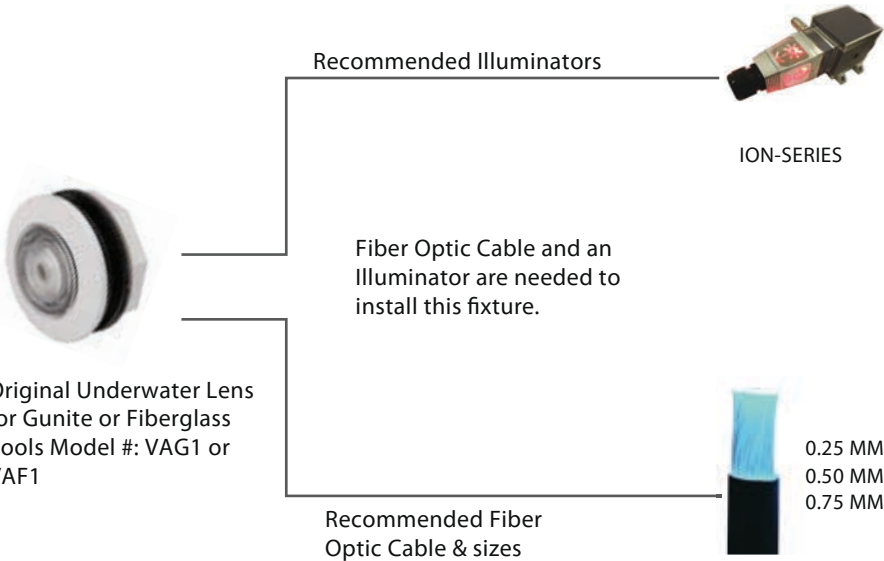
DATE:

REV:

SCALE:

DRAWING:
A1

SHEET:
1 OF 1





Recommended Illuminators



ION-SERIES

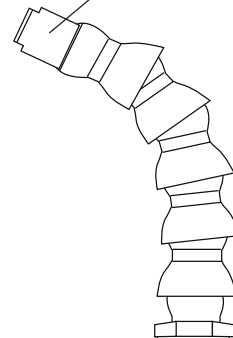
Fiber Optic Cable and an Illuminator are needed to install this fixture.



0.75 MM

Recommended Fiber Optic Cable & sizes

LENSE



REDUCER TO 3/4

1 1/2" IN. PIPE

MALE TO FEMALE

LENSE: SP1022



VISUALAQUATICS

www.visualaquatics.com



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Our illuminators are designed to support millions of programmable lighting scenes that you can configure from your phone or IPAD. We strive towards designing our systems to be simple and efficient.