



FACTORY DIRECT LANDSCAPE LIGHTING

LIGHT UP **THE NIGHT**



LIGHT UP THE NIGHT

Enhance your nighttime experience with landscape lighting. Open your eyes to the transformation; your home and property will come alive at night. You, your family, and your guests will be delighted with the results.

Whether you are a determined do it yourself-er or a lighting professional, the first step is to recognize that lights can accomplish much more than just beautifying your property. They can provide safety, security, functionality, and benefit the environment.

Let's start by identifying the goals of landscape lighting. Then, you can start planning how to achieve them.

Improve Security

Provide sufficient illumination in critical areas throughout your property to deter, detect, and identify intruders.

Ensure Safety

Prevent trips and falls by illuminating paths, pool areas, steps, docks, and other places with obstacles or changes in elevation.

Create a Masterpiece

Lighting can reveal beauty already present and create new beauty through the interplay between light and shadow. Selectively illuminate objects you love and cast shadows to make surfaces more interesting.

Lifestyle & Utility

Create a nighttime backyard oasis by illuminating decks and patios so you can socialize, cook, play sports, or other activities that you and your family enjoy.

Be Green with LED

With VOLT® super-efficient LED lights, you can save energy and money while helping to preserve the environment.



LIGHTING DESIGN TIPS

Illumination from lighting fixtures and lamps has qualities that affect how it appears and what it can accomplish. Here are two of the most important:

Color temperature refers to light's warmth or coolness. The subtle difference in these hues determines the overall mood.

Beam angle describes the width of the light beam. It is important to make sure you have ideal coverage of the illumination.



2200K



2700K



3000K



4000K

VERY WARM/WARM WHITE (2200K)

2200K is a very warm white. This color temperature closely resembles the color of sodium lamps used in some streetlights.

WARM/NEUTRAL WHITE (2700K-3000K)

Noticeably cooler (bluer) than 2200K. It tends to make foliage look less yellow, and is especially effective for lighting vegetation. 2700K is the most popular as it is warm and welcoming.

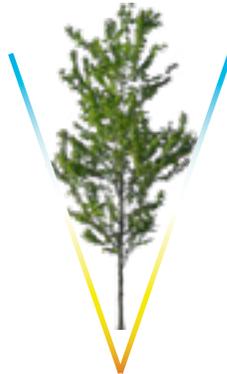
COOL WHITE (4000K)

Quite blue compared to 2700K - 3000K and seldom used for general landscape lighting. May be used selectively on blue plants, or when trying to simulate moonlighting (4200K) effects with downlighting. May also be preferred for commercial applications.



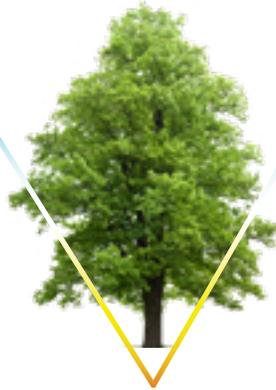
NARROW/SPOT 10-24° Beam Angle

Very narrow beam of light ideal for narrow trees, columns, and flag poles.



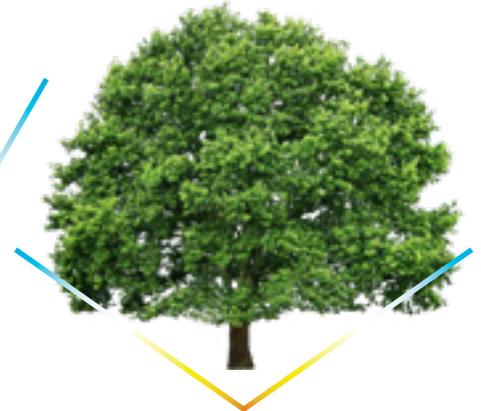
NARROW FLOOD 30-38° Beam Angle

Medium width for general accent lighting. Projects a distinct cone shape on walls.



WIDE FLOOD 60-80° Beam Angle

Wide beam provides more even coverage on walls with a less distinct conical shape.



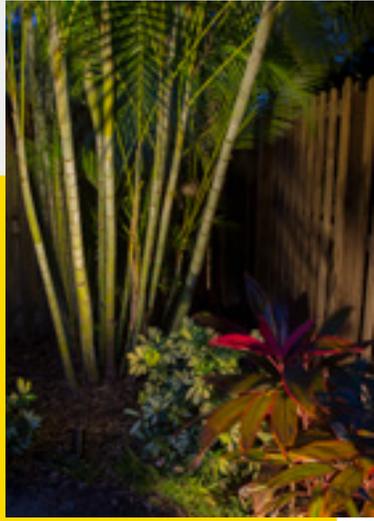
VERY WIDE FLOOD 80-120° Beam Angle

Very wide beam provides a large area of coverage. Best for very large trees or for even coverage over a wide wall.

SPOTLIGHTS

If landscape lighting is painting with light, then spotlights are the brushes. Every model is professional quality and delivers precise beams of light to satisfy the goals of any lighting design.

SPOTLIGHTING TECHNIQUES



1. Highlighting

Created by placing a spotlight at the base of an outdoor feature. Experiment with different designs by varying the distance and angle of the fixture.

2. Silhouetting

Place a spotlight behind the feature and aim towards an adjacent wall to create an illuminated backdrop.



All-Star



G4 Infinity 30



G4 Infinity 40



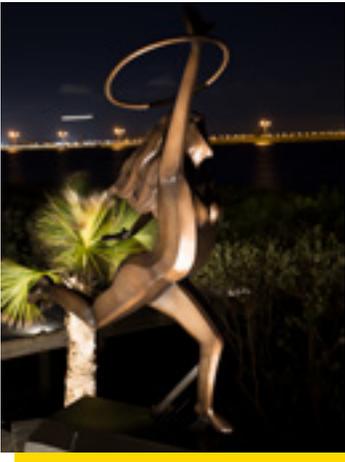
G4 Infinity 60

SPOTLIGHTS



3. Wall-Washing/Shadowing

Create a soft, even glow that comes off the wall or facade it's pointed toward.



4. Accenting

Angle a spotlight to point out an architectural feature, statuary, or plants. Use a narrow beam spotlight to add flair and mystery to your accent lighting.

Spotlighting Tips

Spotlights are used for emphasis, calling attention to specific architectural or landscape features. Spotlights use a narrow beam, drawing focus to one object at a time. The intention of lighting your home is not to flood it with light, making it look over-lit. You should use spotlights selectively to apply creative, visual accents to your home.



Top Dog Brass



Top Dog Copper



Fat Boy Brass



Fat Boy Copper

DOWNLIGHTS

Downlighting is a landscape lighting technique used to simulate moonlighting. This is accomplished through installing downlight fixtures in trees or high trellises or other structures.

Downlighting Techniques

1. Moonlighting

Create a natural, moonlight effect by placing downlight fixtures high in a tree and angling them downward, or by placing fixtures in a trellis or eave to light from above.



*Woodsman
Integrated LED
Downlight*



*Woodsman
Lamp-Ready
Downlight*



*Top Dog
Downlight*



*Tranquility
with Shade*

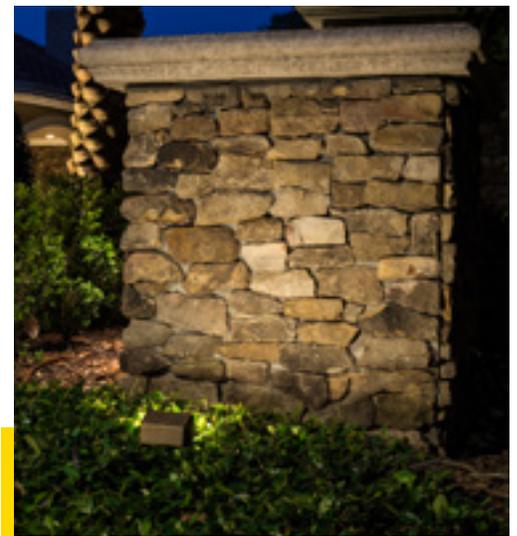
FLOOD LIGHTS

Flood lights are used to illuminate walls, signs, tree canopies, and similar applications requiring wide spread lighting. They can be used for wall washing and grazing techniques as well as provide safety and security for yards and other large areas.



Where to Use Flood Lights

1. *House Sidings*
2. *Second Stories*
3. *Retaining Walls/Free Standing Walls*
4. *Garden Beds*
5. *Bushes and Small Trees*
6. *Tree Rows*
7. *Around Home Entry Points for Security*
8. *Signs, Facades, Public Areas (Commercial)*



Flood Lighting Tips

1. *Minimize Glare*

Because they have such a wide beam, be cautious about the placement of light near windows and viewers' eyes.

2. *Use the Least-Bright Lights Possible for the Application*

Conserve energy and be sure that you don't over-light, creating a visually unappealing effect.



Gentle Splash



*Integrated LED
Gentle Splash*



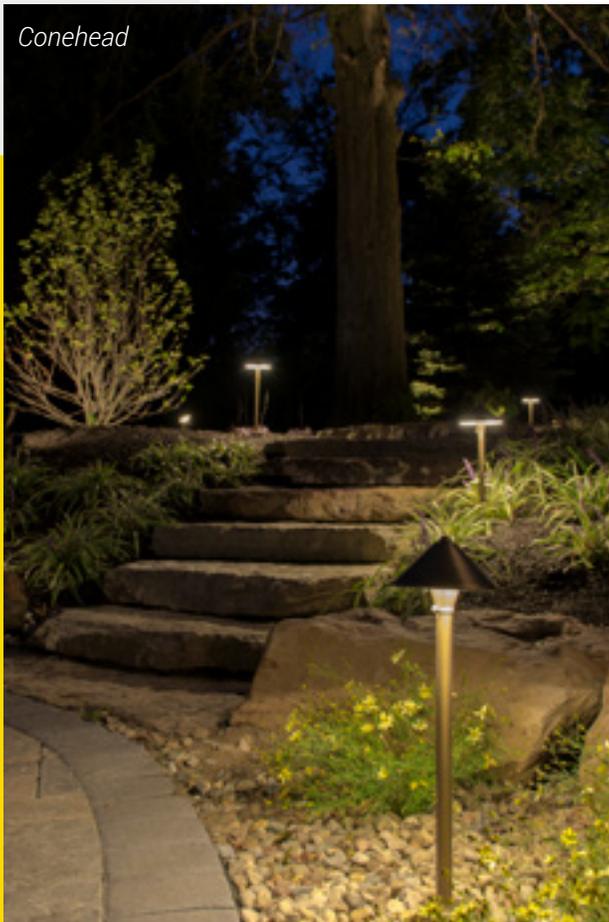
Big Par 36



Round Wall Wash

CLASSIC PATH & AREA LIGHTS

This series includes luminaire designs that stand the test of time. With simple, clean lines that complement most architecture, these fixtures look at home along residential paths and gardens.



Conehead

VOLT® Path Lights

1. Well Engineered and Constructed

Our fixture designers create path lights that are beautiful right out of the box and that maintain that beauty after years in the landscape. Our path lights are constructed of sturdy brass or copper.

2. Designed for Performance

Path lights have important functions, primarily safety, security, and beauty. To fulfill these functions, the lights must deliver the right amount (and quality) of illumination. Our path lights are tested in our innovation lab to make sure they deliver light with the correct properties, then are tested in the field.



Max Spread



Conehead



Max Spread

CLASSIC PATH & AREA LIGHTS

Path Lighting Design Options

1. Continuous Illumination

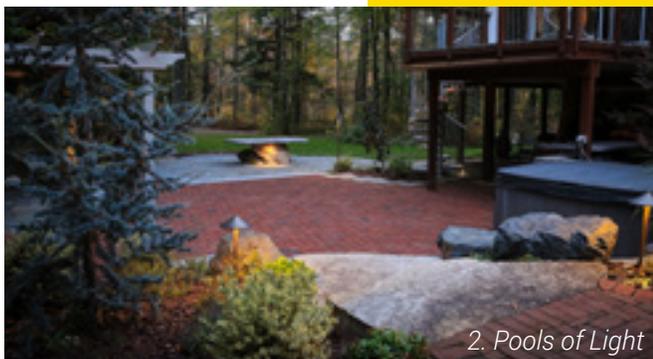
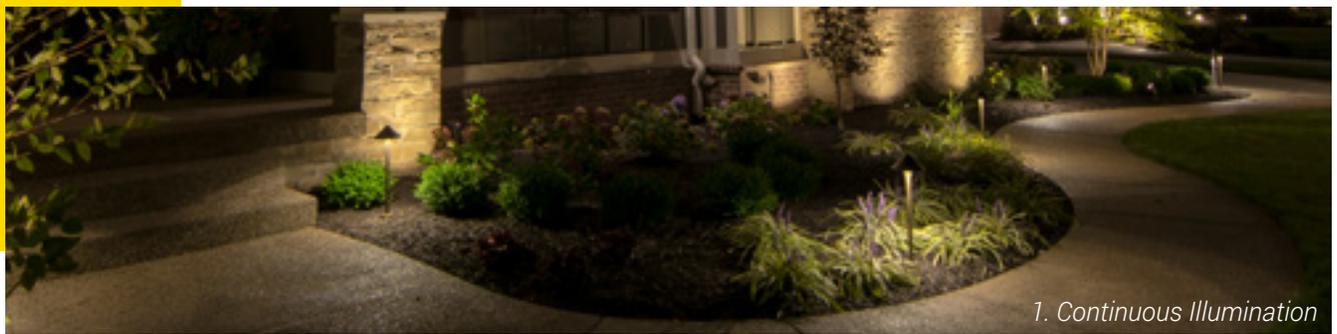
Place your path lighting fixtures so that the light from one fixture overlaps the other. This is best if you have an uneven path or if there is no ambient light present to ensure all areas of the pathway are lit and visible to prevent trips or falls.

2. Pools of Light

Place your path lights farther apart from one another to create individual pools of light. This allows for fewer fixtures and can result in a beautiful illumination effect. Best for areas in which there is ambient light or if the path surface is even.

3. Staggered

Place path light fixtures on either side of your pathway in a zigzag fashion for staggered lighting.



DECORATIVE PATH & AREA LIGHTS

Decorative path and area lights are the perfect way to make your home stand out from the rest.



Decorative Path Lighting Design Tips

Choose the path light style that best matches your home's unique architecture.

Modernelle - works best with mid-century modern homes.

Coachman - works well with colonial or French revival architecture.

Traditions - looks idyllic with Victorian homes.

Regal - pairs perfectly with Tudor homes.



TURTLE SAFE & DARK SKY PATH LIGHTS

Turtle Safe Lighting - Artificial light prevents newborn sea turtles from safely returning to the ocean after they have hatched. The installation of turtle-friendly lighting at beach-front developments is helping improve the survival rate of sea turtle hatchlings. VOLT® carries both FFWCC (Florida Fish and Wildlife Conservation Commission) approved bulbs and fixtures.

Florida Fish and Wildlife Guidelines

1. Keep it Low

Fixtures must be mounted as low as possible and still be appropriate for the needed purpose. Bulbs used must produce the lowest lumens necessary for the intended purpose.

2. Keep it Shielded

Fixture must meet or exceed full cut-off. Fixture must be able to shield the bulb, lamp, or glowing lens from the beach, wildlife corridor, or protected natural area when mounted properly. Bulb must be able to be used in an approved fixture.

3. Keep it Long

Fixture must accept long wavelength bulbs (560nm or longer).



Dark Sky Lighting - International Dark-Sky Association approved fixtures have been engineered to minimize light pollution into the night sky. This can have positive impacts on wildlife behavior, especially in areas in which migratory species stop over.

Dark Sky Criteria

1. Minimize Illumination Amount

Don't use more fixtures than necessary and use lower lamp wattage.

2. Minimize Illumination Area

Use light only where needed, aim fixtures downward, and avoid light trespass.

3. Minimize Illumination Duration

Install timers, dimmers, and switches to turn lights off when not in use.

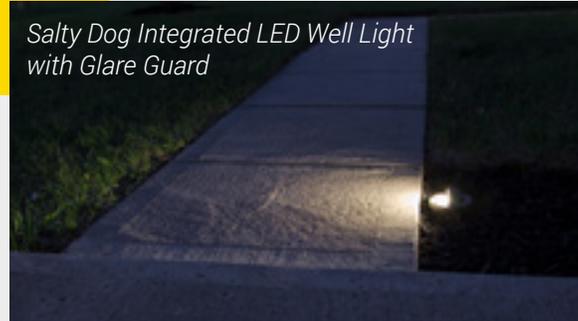
4. Use Long-Wavelength Lights

Use bulbs with "warm" color temperatures below 3000K.



WELL LIGHTS

Used for in-ground lawn applications and for uplighting trees, columns, and architectural features when above-ground fixtures are not desired.



Salty Dog Integrated LED Well Light with Glare Guard



Salty Dog MR16 Well Light



Salty Dog Integrated LED Well Light

Well Lighting Design Tips

Use well lights for below-ground applications.

1. Lawns

Use well lights when fixture location must be in your lawn. Since these fixtures are level with the ground's surface, they will be safe from lawn mowers and other damaging lawn equipment.

2. Decks, Docks, Patios, and Pathways

Well lights are great for these applications because again, they are level with the ground's surface. This allows them to integrate with "hard" surfaces. Our high-quality products will stand up to foot and vehicle traffic in these areas as well.

3. Columns

Well lights are great for lighting columns because their light source is low to the ground. This means that you may light columns or other features from the ground up with no dark spots at the base of the feature.



Salty Dog Integrated LED Well Light



Salty Dog MR16 Well Light



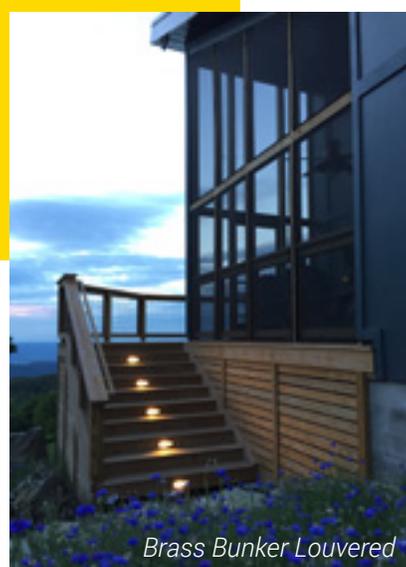
Salty Dog Integrated LED In-Grade Well Light (Optional Glare Guard)



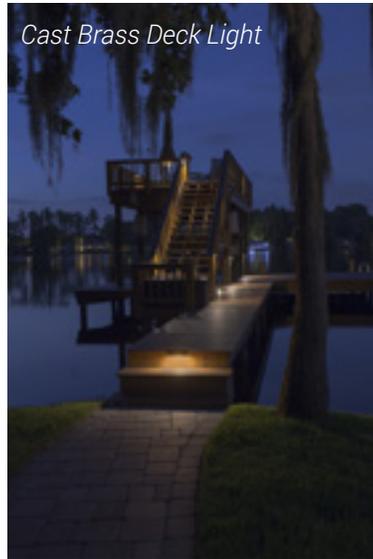
Salty Dog MR16 Well Light (Optional Glare Guard)

DECK & STEP LIGHTS

These lights are compact and project light downward. These are perfect fixtures to mount on decks, railings, posts, docks, and steps. Made to withstand the elements and last for a lifetime.



Brass Bunker Louvered



Cast Brass Deck Light



Florentine

Deck & Step Lighting Applications

1. Safety

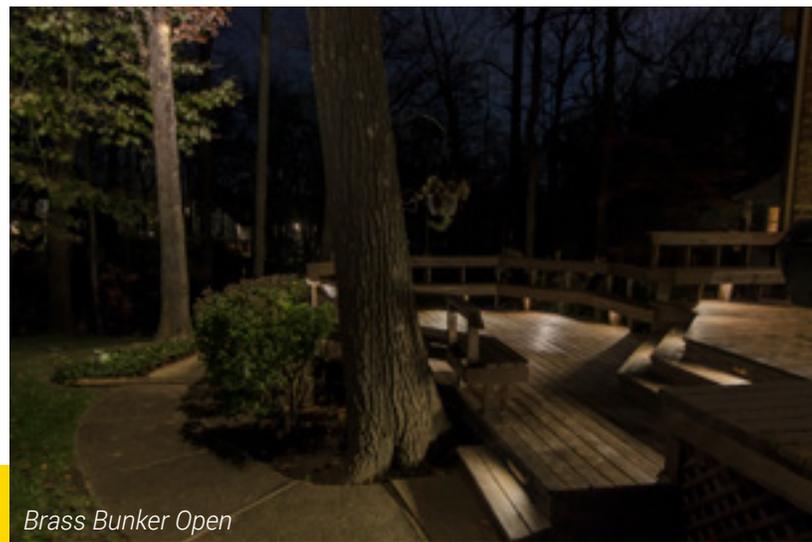
Safety is the most important reason for deck and step lighting. Lighting on decks, docks, patios, and steps minimizes trip and fall hazards.

2. Enhance Your Outdoors

Using deck and step lighting around pool areas, outdoor kitchens, fireplaces, boat ramps, and more can lend itself to entertaining outdoors.

3. Visual Appeal

Lighting in common deck and step applications can add a dramatic effect to your home's nighttime landscape.



Brass Bunker Open



Cast Brass Deck Light



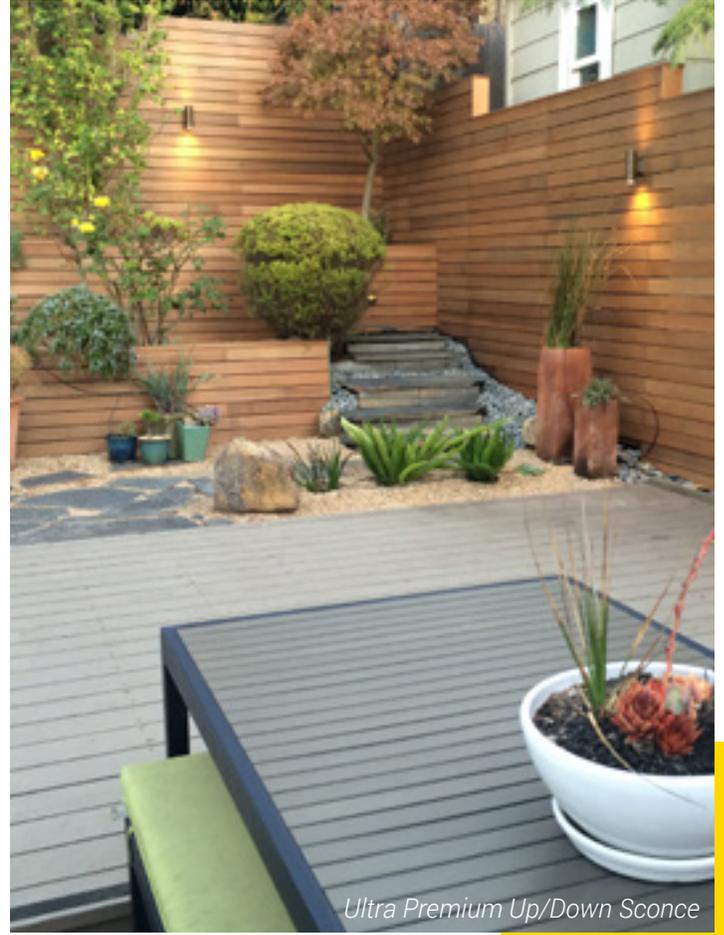
Florentine



Brass Bunker

HARDSCAPES

Hardscape lights are low profile lighting, perfect for tight spaces. Flexible mounting options provide endless possibilities for mounting under benches, railings, overhangs, and more.



Hardscape Lighting Applications

- 1. Retaining Walls** - Use hardscape lighting to help light the way near retaining walls.
- 2. Decks, Docks, Steps** - Use hardscape lighting to prevent trips, falls, and other hazards.
- 3. Outdoor Kitchens** - Enjoy your outdoor kitchen and entertainment area day or night.
- 4. Decorative Walls** - Use hardscapes to bring life and interest to architectural spaces.



Brass Rotatable LED Hardscapes



Ultra Premium Up/Down Sconce



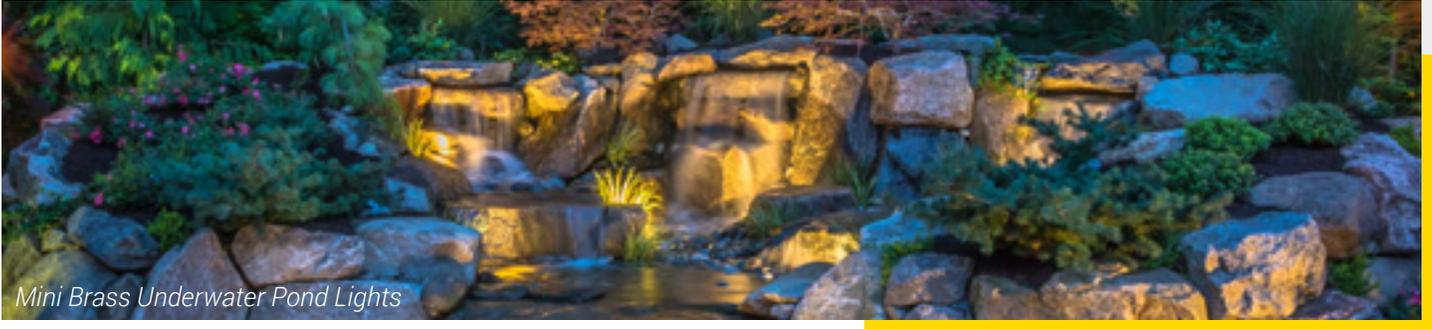
Integrated LED Up/Down Sconce



Undercover Hardscape

UNDERWATER LIGHTS

Underwater lights add glowing accents to fountains, ponds, and other water features. They can also be used to illuminate waterfalls and surrounding rocks and plant materials.



Use Underwater Fixtures For:

1. Atmosphere Enhancement

Enhance the atmosphere of your nighttime waterscapes. Add depth and drama to these features to bring life to your pond, fountain, or waterfall features at night.

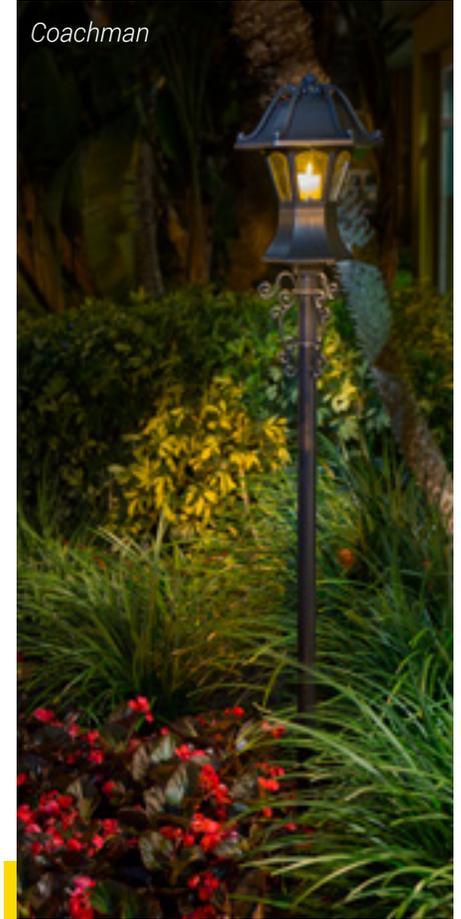
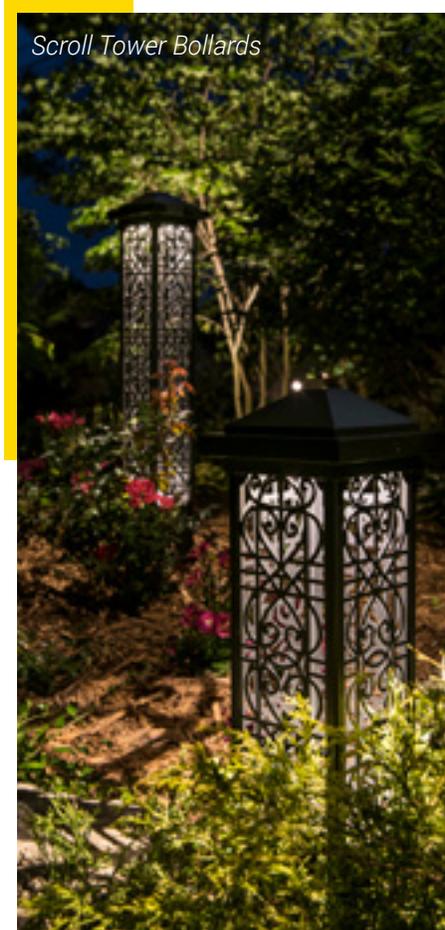
2. Safety

Improve the safety of your property by adding underwater lighting to add visibility to ponds, decks, docks, and boat landings to prevent trips and falls.



SPECIALTY LIGHTS

Most landscape lights fit within major categories such as spotlights, flood lights, and path lights, but some are designed for very specific applications.



Shine Stone
Integrated LED
Paver Light



Coachman

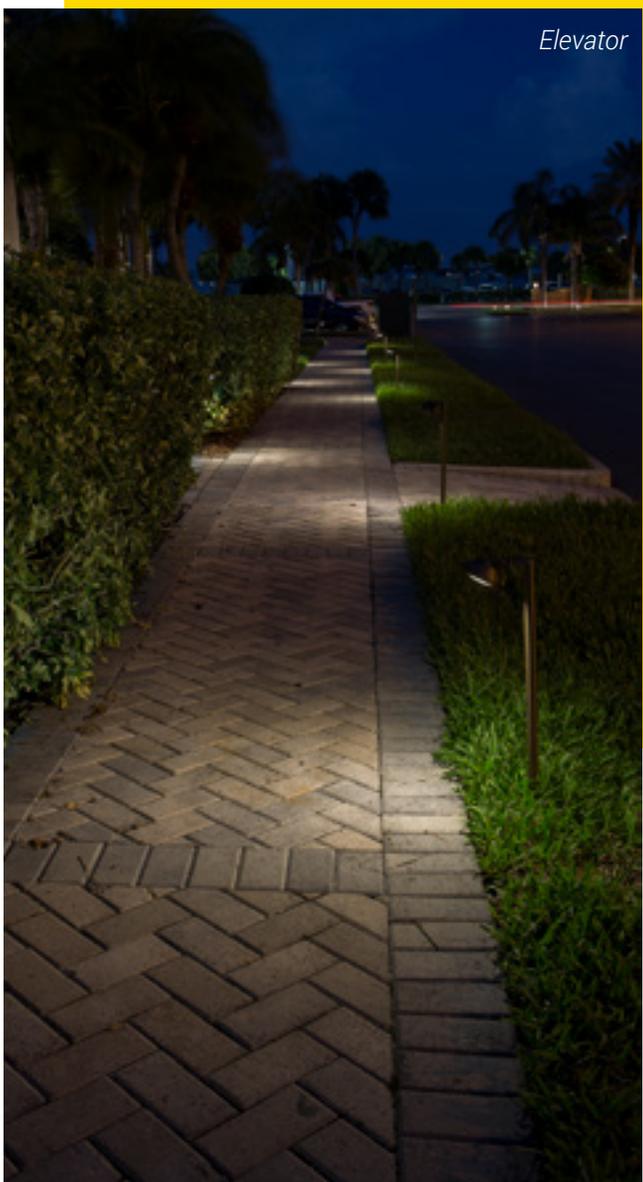


Scroll Tower
Bollards



LumaTree1000

SPECIALTY LIGHTS



Specialty Lighting Design Tips

Select the specialty fixture that matches your unique application, design style, or custom landscape. Below are a few examples of our specialty lighting fixtures and their preferred applications.

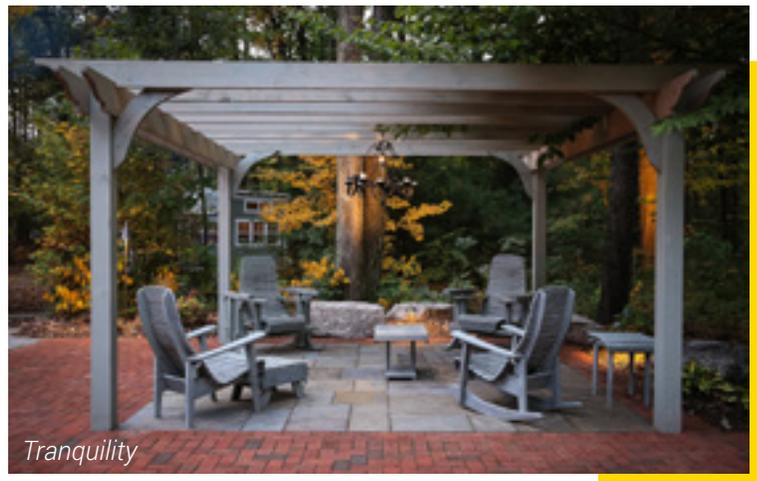
Shine Stone Integrated LED Paver Light - is intended to replace a 6"x9" paver to add touches of light to driveways, walkways, paths, and more to increase visibility and safety.

Coachman - this post light is 12V and brings back the past with its realistic LED candle.

Bollards - these fixtures add a decorative pattern of light and shadow to areas such as gardens and patios. Scroll and leaf patterns are available.

All-Star Tommy Light/Tranquility - these downlights are a great addition to pergolas, gazebos, and overhangs.

Elevator/Twinnovator - these specialty path lights cast a broad area of illumination and stand taller than our classic path light fixtures, providing wide, adjustable beams of light for any custom application.



All-Star Brass
Tommy Light



Tranquility



BuddyPro
Puck Light



Elevator



Twinnovator

See all products at www.voltlighting.com | (813) 978-3700

LINE VOLTAGE (120V)

Line voltage (120V) fixtures are used in commercial, municipal, and residential applications.

Installation requires a licensed electrician.



Important to Know About Line Voltage Landscape Lighting

1. Requires a Licensed Electrician

120V cable must be buried 18" underground, placed in conduit, and have sealed junction boxes at connection points.

2. Best Used in Commercial Applications

120V lighting is mainly used for lighting large areas, as in commercial applications. Line voltage fixtures tend to be very big and output a lot of light.

3. Connections Must be Waterproof

If 120V lighting connections are not waterproof, there will be a shock hazard.

4. The Cost of Line Voltage Lighting is Higher

120V fixtures are typically more expensive and it is more costly to run 120V electricity.



120V LED
Wall Packs



120V 12W LED
Spotlight



120V 17W LED
Spotlight



120V LED
Flood Lights

TRANSFORMERS

Low voltage landscape lighting transformers are designed for easy installation, consistent performance, and enduring longevity. They work for all types of low voltage outdoor lighting.



Select Among Three Transformer Series

1. VOLT® Clamp-Connect Series

These transformers are specifically designed for LED systems and feature the exceptional clamp-type terminal blocks for fast and secure connections. These transformers are limited to 12V and 15V taps since LED systems accommodate a wide range of acceptable voltage.

2. VOLT® Series Transformers

These transformers feature 12V, 13V, 14V, and 15V voltage taps.

3. VOLT® PRO Series

These transformers feature voltage taps from 12V through 22V.



100W Slim Line
Clamp-Connect
Transformer



150W - 600W
Clamp-Connect
Transformers



900W - 1200W
12V - 22V Pro
Multi-Tap
Transformers

CONNECTORS & HUBS

Connectors are crucial to the integrity of any landscape lighting system. We carry a wide variety of high-quality connectors and hubs that will suit any project's demands.



Pro Junction Hub

1. VOLT® Clamp-Connect Series

This series uses clamp-type connectors for simple, fast, and secure connections.

2. Best for System Maintenance

Without the use of silicone sealant, this hub allows you to access your landscape lighting connections long after installation. This also allows for easy addition and removal of fixtures after installation.

3. VOLT® Innovation Series

This hub is a VOLT® innovation and is patent pending.



Pro Junction Direct Burial Connectors

These connectors feature clamp-connect technology for simple, fast, and secure connections. They have reservoirs that are pre-filled with waterproof silicone grease. These connectors are VOLT® innovations and are patent pending.

1. VOLT® Pro Nano-Junction 3-Way

Connects up to 3 leads per unit; or 2 fixtures and 1 home run.

2. VOLT® Pro Micro-Junction 5-Way

Connects up to 5 leads per unit; or 4 fixtures and 1 home run.

3. VOLT® Pro Macro-Junction 8-Way

Connects up to 8 leads per unit; or 7 fixtures and 1 home run.



DryConn
Black & Grey
Black & Blue



Blazing DBR
Splice Connectors



DryConn
DBR/Y-600 with
Copper Crimps

LED BULBS

We offer a variety of LED bulbs specifically designed for outdoor, low voltage lighting. Our LED bulbs use the latest technology, are available at factory-direct pricing, and carry a lifetime warranty.



12V Single Source LED MR11 Bulbs

Fully encapsulated to keep moisture away from the LED. Single source LEDs produce crisper shadows and provide professional results. ETL & UL listed.



12V Single Source LED MR16 Bulbs

Fully encapsulated to keep moisture away from the LED. Single source LEDs produce crisper shadows and provide professional results. ETL & UL listed.



12V LED PAR36 Bulbs

Direct replacements for halogen PAR36 bulbs with similar light levels, using only a fraction of the power consumption. Fully encapsulated, stainless steel hardware, and IP rating of 67, making these the perfect LEDs for outdoor use.



12V LED G4 Bi-Pin Bulbs

Fully encapsulated to keep moisture away from the LED. Slots on the capsule help draw heat away from the lamp to increase its lifespan. Specifically designed for landscape lighting and outdoor, low-voltage lighting.



12V LED S8
Wedge Bulbs



12V LED SCB
Bulbs



12V LED T5
Wedge Bulbs

THE VOLT® MISSION

"To deliver outstanding outdoor lighting products with such a gratifying experience that our customers become our best advocates."

REASONS TO BUY FROM VOLT®

1. Factory Direct, Low Prices

VOLT® designs, manufactures, and distributes all of its indoor and outdoor lighting products - that's why our prices are unbelievably low.

2. Lifetime Warranty

With solid, cast brass LED landscape lights, state of the art components, and LED bulbs, VOLT® extends an industry-best lifetime warranty.

3. Products Always in Stock

Our three regional warehouses are always fully stocked with all of our products.

4. Live, Expert Support 7 Days a Week

Lighting experts are on-hand 7 days a week to answer your questions and help you place orders.

5. Highest Quality - Professional Grade

With in-house engineers and lighting experts, VOLT® uses the latest LED technologies to manufacture the best LED lights for residential landscapes, commercial buildings, and industrial spaces.

6. Fast Shipping

All orders placed before 5 p.m. ET (Monday - Friday) are shipped same-day. With our three regional distribution centers, 85% of U.S. locations receive their orders within two days.

VISIT OUR ONLINE RESOURCE CENTER

How-To Videos and Product Videos - Watch videos to learn more about our products or how to install them.

How-To Articles - Read up on how to select products, how to install products, the benefits of landscape lighting, and more!

Product News - Stay up-to-date with new product releases and industry news.

Forum - Our Forum allows you to interact with professionals and peers for tips, tricks, and ideas.

Photo Gallery - Get design inspiration and shop the photos you like. You can also share photos of your installation!



HOW WILL YOU
LIGHT UP YOUR NIGHT?



www.voltlighting.com | (813) 978-3700

© 2019 VOLT® Lighting. All Rights Reserved.