



Light It Up & Let It Shine!

Low voltage lighting (LVL) is an option commonly chosen because it is safer and easier to install. The equipment used to install LVL lowers the power put into the lights without impacting how well the lights work. When considering LVL for a landscape, it's important to take into account several factors to ensure a successful and aesthetically pleasing installation. Low voltage lighting not only enhances the beauty of your outdoor space but also provides safety and security.

KEY CONSIDERATIONS

ENERGY EFFICIENCY & COST SAVINGS

- Low voltage lighting systems consume less energy compared to high voltage systems resulting in cost savings.
- LED low voltage lights are energy-efficient and have a longer lifespan which reduces maintenance costs.

COMPLIANCE WITH REGULATIONS

- Familiarize yourself with local building codes and regulations to ensure compliance.
- Abide by dark sky regulations that limit light pollution and maintain natural light environment.

LANDSCAPE ASSESSMENT

- Evaluate landscape to determine suitable options for lighting that emphasize architectural features, walkways, trees, and other focal points.
- Consider the unique landscape elements and how intentional lighting can compliment their visibility and aesthetics.
- A landscape lighting professional can provide an on-site lighting demonstration to help visualize the impact LVL will have on your landscape.

DESIGN & LAYOUT

- Use a diversity of light fixtures such as spotlights, path lights, and well lights to achieve a balanced and dynamic design.
- Plan the lighting layout to achieve desired effects such as accenting specific areas, creating focal points, and enhancing safety.

VOLTAGE & WIRING

- Choose a voltage system to ensure safety and ease of installation (<40 watts).
- Design a proper wiring layout that accounts for voltage drop and provides even illumination across the landscape.
- Landscape professionals can create a design that meets the needs of the client while taking into account the system requirements.

WEATHER RESISTANCE & DURABILITY

- Opt for features made from durable materials like brass, copper, aluminum that can withstand Arizona's extreme weather conditions, including high temperatures, UV exposure, and high winds.

OPTIMAL LIGHT LEVELS & COLOR TEMPERATURE

- Select the appropriate light levels and color temperature to compliment the landscape, create desired ambience, and ensure functional lighting effects.

TIMER & AUTOMATION

- Incorporate timers, sensors, and smart controls to automate your lighting system ensuring efficient operation and security while minimizing energy usage.

MAINTENANCE

- LVL systems, once installed, are low maintenance, but not no maintenance. A landscape lighting professional should visit the site several times during the year to adjust fixtures, clean lenses, and change bulbs.

LOW VOLTAGE LIGHTING QUICK FACTS

- Safe around kids and pets
- The hardware is *typically* more affordable
- Wider selection of fixture types, bulb types, and spread of light
- More light output per watt compared to high voltage lighting
 - Requires a transformer

By carefully considering these factors, you can design and install low voltage lighting that illuminates your Arizona landscape effectively while enhancing its beauty. Low voltage lighting is energy efficient and cost effective.

Article in collaboration with Brilliance LED

