LED LANDSCAPE LIGHTING
LANDSCAPE LIGHTING DESIGN TECHNIQUES

Progress Lighting offers the following tips and design techniques to follow when planning landscape design, ensuring your yard will be a wonderful environment where your friends and family can relax.

Path Lighting
Lighting along paths and driveways enhances the overall theme of your outdoor space while preventing accidents in the dark.

- Position lights on alternate sides for even illumination
- Define edges by positioning lights about one foot from one or both sides of the path
- Position lights to avoid shadows when used at steps, as well as away from plants so they don’t interfere with light distribution

Uplighting
Highlight or accent distinct plants, trees or accessories in your yard by positioning in-ground lights close to your focal point.

The best way to enhance the texture of objects outdoors is by mounting spotlight or floodlight fixtures on the ground.

Security Lighting
Decorative outdoor lighting designs can also add security features for your home. The majority of residential crimes take place after dark - when thieves feel they cannot be seen.

A well-lit yard can be an excellent crime prevention method and fixture options designed specifically for security, like motion sensors, can add extra protection and convenience. Consider using PAR lampholders on the corners aimed down each wall of your home.
Accent Lighting
Also known as spot lighting, this effect uses cross lighting and uplighting techniques to showcase a particular item in your garden with bright light in an otherwise dark area. Use an accessory shield to avoid glare.

Decks and Porches
It’s important to outline the perimeters of the deck and railings, as well as provide safety for nighttime use on decks and outdoor porches. Use low voltage (12V) fixtures for maximum electrical safety.

Grazing
Grazing light is an effect that illuminates the outline of a particular tree, shrub or architectural feature to enhance its shape and texture. This must be done precisely and it usually requires mounting a carefully positioned spotlight 6 to 12 inches from the surface.

Shadowing
Add an elegant, but mysterious, touch to your outdoor design with this effect. Shadow lighting is typically achieved with uplighting placed out of sight to create silhouette images of trees, plants, and accessories.

Silhouetting
Produce an awe-inspiring effect by placing light fixtures directly behind your subject. Lights mounted near the bottom of a tree or shrub will cast the plant’s shadow against the sky for an intriguing twilight display. This technique is often used near the home for an appealing façade.

Step Lighting
To increase safety, step lighting uses small fixtures that are typically shielded to cast a soft, glare-free light across steps and decks. Install one step light on every other riser and use louvered wall plates to avoid glare.
Several LED landscape lighting options are available for popular exterior applications. Low voltage LED landscape, bollard and path lights enhance outdoor settings, while adding safety, security and curb appeal to areas around the home. 3000K color temperature.

*All LED Landscape lighting must be used with transformer P8270-31. Recommend using 14 gauge cable (P8716 or P8626)
DECK, FLOOD & WELL LIGHTS

P5295-31 Black
Die cast aluminum, glass cover. Includes 4' cable and connector. Cannot mount in concrete. 5" dia., 4" ht. One 3w LED module included. Use with P8270-31 transformer.

P5299-31 Black
Adjustable knuckle for aiming. Die cast aluminum. Stake and deck mount, 4' cable and connector included. 4-1/2" dia., 7" ht. One 3w LED module included. Use with P8270-31 transformer.

P5296-31 Black
Die cast aluminum with black powder-coat finish. Polycarbonate diffuser. 12v AC input. Use with LED transformer P8270-31. 4-1/8" dia., extends 2-1/4". Three 1.5w LED modules included.
LED STEP LIGHTS

4.5w 3000K color temperature with 84+ CRI and a 120° beam spread. LED step/wall lights are available in a vertical or horizontal configuration for mounting into a single-gang wallbox.

PROGRESS LED

P6827-0930K Brushed Nickel
P6827-2030K Antique Bronze
P6827-3030K White
P6827-3130K Black
Louvered horizontal step/wall light. Wet location listed. 4-7/8” W., 3” ht. 4.5w LED module included.

P6828-0930K Brushed Nickel
P6828-2030K Antique Bronze
P6828-3030K White
P6828-3130K Black
Louvered vertical step/wall light. Wet location listed. 3” W., 4-7/8” ht. 4.5w LED module included.

P6829-0930K Brushed Nickel
P6829-2030K Antique Bronze
P6829-3030K White
P6829-3130K Black
Vertical step/wall light. Wet location listed. 3” ht., 4-3/4” ht. 4.5w LED module included.

P6832-0930K Brushed Nickel
P6832-2030K Antique Bronze
P6832-3030K White
P6832-3130K Black
Horizontal step/wall light. Wet location listed. 3” ht., 4-1/2” W. 5w LED module included.

4.5w 3000K color temperature with 84+ CRI and a 120° beam spread. LED step/wall lights are available in a vertical or horizontal configuration for mounting into a single-gang wallbox.
**TRANSFORMER**

**LED TRANSFORMER**

P8270-31 Non metallic case protects timer controls and 120v to 12v transformer. Surge protected with grounded cord/plug set and easy 12V cable attachment. Photocontrol triggers "time on", eliminating seasonal adjustment. 56w max. Non-dimmable. Recommend using 14 gauge cable P8617 or P8626.

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>WATT</th>
<th>DESCRIPTION</th>
<th>SIZE (W X H X D)</th>
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<tr>
<td>P8270-31</td>
<td>56</td>
<td>45w LED</td>
<td>4&quot; x 5-5/8&quot; x 3-1/2&quot;</td>
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**INSTALLATION ACCESSORIES**

P8651-01 Black
Low voltage Quick-connector. Allows #10 or #12 gauge outdoor low voltage cable to connect to an 18 gauge wire from fixture. 1-5/8" W., 1-1/4" L., 5/8" ht.

P8671-31 Black
Polycarbonate canopy for tree trunks and walls. 1/2 NPS thread. Low voltage only. 4-1/4" dia. Extends 1-3/16".

P8672-31 Black
Miniature pedestal mount. Powdercoat painted cast metal. Flanged base for surface mounting. 1/2 NPS thread. Low voltage only. 1-1/2" dia., 1" ht.

P8708-01 Silicone filled underground direct burial wire connector. #20-#10 gauge. 10 per pack (1 standard pack = 10 pieces). 1-5/8" L., 5/8" dia.

Mounting Stems 1/2 NPS threads
16" stem P8666-31 Black
P8666-38 Green
8" stem P8667-31 Black
P8667-38 Green

P8628-31 Black 12-gauge 100 ft.
P8699-31 Black 12-gauge 200 ft.
12-Volt Cable, 2 conductor. UL listed.

P8617-31 Black 14-gauge 75 ft.
P8626-31 Black 14-gauge 150 ft.
Recommended for use with P8270-31 transformer and LED Lighting. Low voltage #14 cable runs from P8270-31 control center down path of lighting. UV protected, burial is not required, hide with mulch if desired. Perfect fit with fixture connectors for easy installation (150’ is the max. run distance from transformer location to assure best fixture operation). Available in 75’, P8626-31 and 150’ lengths, P8626-31.

P8618-31 Black
Ground stake, 8-3/4” ABS movable stake for direct mounting of 12v landscape lights. 1/2 NPS thread.

P8562-31 Black
Quick-mount landscape post for 120v or 12v PVC. 3” dia., 20” length with stabilizing grid and post, 1/2 NPS threaded hole. Wet location listed.
QUICK CONNECT SYSTEM

Easy to install tool-free connectors allow complete customization of landscape lighting fixture layouts. The Quick Connect system is included with each landscape fixture. The three-part system simply and efficiently connects for years of hassle-free enjoyment.

**STEP 1**
Place main #14 cable (P8617-31 or P8626-31) into centering guide.

**STEP 2**
Unscrew cap and remove centering guide.

**STEP 3**
Slide guide down onto points in connector base. (visible in Step 1)

**STEP 4**
Carefully thread cap down, forcing cable into points. Provides a sure and lasting electro-mechanical connection.
Progress Lighting is more than just a lighting manufacturer with a rich heritage. We’re illuminating a vision for the future. As we celebrate more than a century of successful partnerships, we turn our focus to the future in creating lighting collections that highlight affordable luxury lifestyles throughout homes nationwide.