

The Urban Farmer Store®

Specifying Guide for Outdoor Lighting®

Benefits of low voltage outdoor lighting

12-volt garden lighting systems, consisting of a transformer, lamps, fixtures, and special cable, offer many advantages over 120-volt lighting besides the obvious factor of safety. Low-voltage lamps use electricity more efficiently, giving more light per watt of power used. 12-volt lamps also last longer than 110-volt incandescent lamps, reducing maintenance on the systems. The flexibility of the wiring - no conduit is needed and you don't have to bury it - makes installation easy and allows you to move fixtures as the garden grows and changes.

Modern 12-volt systems can handle any residential lighting job, from groups of 50-foot oak trees to the smallest city garden. The Urban Farmer Store carries only the highest quality products from carefully selected manufacturers. Our expert staff will be glad to help you plan your lighting design and specify the power requirements of the transformer and cable you will need.



Crown a 4"x4" gate post or deck railing with this solid brass cap light.

Lay this brick light in your walkway, patio, or steps.



Going where no fixture has gone before—Examples of two innovative specialty lights from Hadco NightLife.

Plan on saving energy with your system

Electricity costs are higher than ever. Now, Bay Area homeowners can plan and install landscape lighting systems using less power. Existing lighting systems can be retrofitted to save energy.

Lighting zones are commonly designed for *safety of movement*,



New for 2002-FX Luminaire TulipanoD'oro security, and decoration. One way to achieve this is to design systems with several smaller transformers specific to "zoned" lighting needs. Up to three switched circuits on FX Luminaire transformers let you "zone" lighting by having one circuit wired for minimal safety lighting. Turning on additional switched circuits wired for maximum decorative lighting lets you showcase your garden during cookouts or parties.

Lowering the lamp wattage also cuts power usage. Changing ten 20-watt path light lamps to 10-watt lamps saves 100-watts of energy, and the difference may be visually undetectable.

Enjoy your outdoor world, with your pets, safely and securely at night

Safety of movement on stairs, walkways and paths is essential. Lights should always be on at dusk and remain on until bedtime. Safety of movement lighting reduces the possibility of personal injury and homeowner liability.

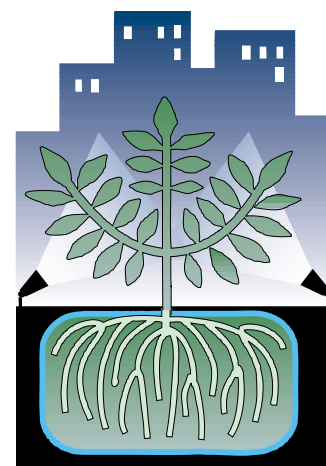
Studies show security lighting helps prevent vandalism, mischief and crime. Security lighting lets you see what's going on in the yard from the house and can be operated with infrared sensors so that the lights only come on when an intruder is detected.

Perimeter security lighting makes it obvious when an intruder passes between your house and the lights. Motion detectors can be used to deter intruders and provide security illumination only when it is needed.



Outdoor lighting helps deter more than one kind of masked bandit.

Nocturnal animals like raccoons, skunks, and opossums can spread deadly diseases when they tangle with household pets. Wild animals are more likely to leave you and your pets alone if your garden is well lit.



Install irrigation pipe and lighting cable at the same time and save!

The most opportune time to lay low voltage cable, get it protected, and out of the way, is when the irrigation trenches are open, before the hardscape construction. Usually this is during irrigation system installation.

Low-voltage cable is suitable for direct burial along with the pipe or tubing used in irrigation. Although you may not know the kind of lamps you need and what fixtures you want, it is likely that you know what garden features and areas you will want to light.

There are several reasons to install lighting cable and irrigation systems at the same time.

- Save money and labor by reducing the amount of digging needed. Labor is the most expensive factor on any job.
- Key areas of the garden will be ready for wiring low voltage transformers and fixtures when it comes time for the final lighting design and installation.
- Leave your plantings-roots and all- undisturbed while lighting is installed.

See the winners of our "Favorite 50 Fixtures" staff picks on pages 5-8

Availability and warranty information for selected manufacturers. We stock equipment from the following manufacturers, each of which has different warranty periods and shipping times for special orders. These company overviews are based on our years of experience. All warranties give the manufacturer the option to “repair or replace” the item in question. Just bring it into the store and we’ll take care of it.

Arroyo Craftsman®

Arts and Crafts inspired designs look great in Gertrude Jekyll landscapes, Asian influenced gardens, and blend well with more modern settings. Made of solid brass or copper, they can be left raw to weather naturally or be factory finished with acid patinas in true verdigris, pewter black, or mission brown. They will last for generations. Opalescent art glass lenses are available in color tones ranging from white to golden to tan. Each style comes in free-hanging, post or wall mount, lantern, and sconce models. Order your fixtures as low voltage or for use with 120-volt house current. Other designs, metals, and finishes are available, allowing 6-8 weeks for delivery.

Focus®

Focus fixtures are made of cast aluminum. Some are available in solid brass or copper. The fixtures come in your choice of a standard black powder-coat and in several colors to blend with many different surfaces. We stock several of the fixtures and the others can be delivered with only a 3-5 day lead-time. Visit a store to see samples of the unusual and attractive weathered brown and rust finishes. Focus fixtures have a 5-year warranty.

FX Luminaire®

FX Luminaire was founded in 1989 to answer the need for professional quality, value-priced exterior lighting components that would stand the test of time. Over the years, FX has led the industry with forward thinking, innovation, and exceptional quality standards. All FX lighting components are backed up with an industry leading ten-year warranty and are compliant with Underwriters Laboratories UL 1838 Safety Standard for low voltage lighting systems and components.

Kim Lighting®

Kim presents a comprehensive, premium 12-volt product line with distinctively organic designs that are available in natural unfinished brass, black, dark bronze, verde green, or white painted finishes. Allow 14 working days for delivery. Kim Lighting fixtures come with a 20 year warranty!

Hadco Nightlife®

Hadco introduced single-piece cast aluminum technology to the lighting industry which enables intricate detail and durability at affordable prices. Hadco Nightlife fixtures are offered in a range of functional designs and lamping options that make them a popular choice for residential and commercial applications. The bronze and black finishes are thermoset powder coated for mar resistance and long service under harsh conditions. There is an up charge for the special verde finish which is hand rubbed over black thermoset powder coat giving the fixtures the appearance of weathered copper. Nightlife fixtures come with a 3 year unconditional factory warranty. Hadco special orders usually arrive within 10 working days.

Lumiere®

Lumiere (a division of Cooper Lighting) fixtures are machined from heavy wall aluminum to exacting specifications. The parts are chromate conversion coated followed by a powder coating with thermoplastic polyester for mar resistance and durability in salt spray, alkaline soil, and moist conditions. All stem fixtures have an S.P.S. siphon protection system to keep water from vacuum-siphoning into the fixture cavity. O-rings and tempered lenses are standard features. The ease of relamping makes Lumiere fixtures a good choice in spots with difficult access. Lamps are not included unless noted. Most fixtures are available in bronze, black, verde, or white. We generally have a good supply of bronze; allow extra time for other colors.

Nightscaping®

Nightscaping offers transformers in the 100 to 1000 watt range with a stainless steel case and a lifetime warranty. They’ve been offering high quality fixtures longer than anyone in this business. Nightscaping fixtures come with a 5-year warranty, and special orders take about 10 working days. We have samples of most everything in the store. Come into the store and check them out!

Unique®

Unique makes transformers, including direct burial transformers, and introduced a number of new solid brass fixtures to the market this year. Each quality Unique fixture comes complete! They include a 25’ wire lead, stake (if needed) and appropriate lamp, as well as necessary lenses and louvers, making them a great value. Unique fixtures and transformers have a lifetime limited warranty! Unique orders take about 5-10 days.

Available by special order only: Teka®, SPJ®, Intermatic®, Houston Lighting®, Beachside®, Coe Lighting®, Kichler®, BK®, Rockscapes®, Luma®, and Vista®. **Nonrefundable 50% deposit required on all special orders.**

Lamp Reference Each fixture takes a specific lamp type (incandescent, Par 36, quartz-halogen, etc.). Each lamp (bulb), in turn, comes in a variety of wattages and beam spreads. Choosing the appropriate lamp for a specific effect is the first step in design. Selecting the fixture to house the lamp in is secondary. Always in stock in every wattage increment, these types of lamps fit our most common fixtures.



Single/Double Contact Incandescent
Shown half size.
6.9-29 watts
700-2,000 hours (ave)
Used mainly in pathlights and area lights.



Par 36
Incand./Halogen
Auto headlamp size
25-50 watts
500-4,000 hours
For floods and spots



MR-11 Halogen
Bi-pin
Shown 1/4 size.
10-50 watts
2-3,000 hours (avg)



MR-11 Halogen
Bayonet Mount
Shown 1/4 size.
10-50 watts
2-3,000 hours (avg)



MR-16
Halogen Bi-pin
Shown 1/4 size.
10-75 watts
3-4,000 (avg)



T-type Halogen
Bi-pin/Bayonet
Shown half size.
10-75 watts
2-3,000 hours (avg)
Most often used in reflector floods, step, and spotlights.



Wedge-base
Halogen/Incand.
Shown half size.
20 watts & below
3000 hrs.(avg)
Most often used in path and step lights.

All incandescent lamps cast a warm, slightly yellow light, and have shorter lamp life when compared to halogen.
All quartz-halogen (Mirror Reflector) lamps cast a pure white long-lasting light in narrow to wide beam spreads (6 to 50 degrees). Used in many popular fixture types.

Transformers are required for 12-volt lighting systems to step-down from 120-volt power. Selection is based on the total number of watts needed for a system. To determine the wattage of your transformer, calculate the maximum number of fixtures you need and what the ultimate lamp wattage will be, then multiply those two numbers together (example: 12 fixtures X 20 watts=240 watts). Since you should only use 80% of a transformer's rated wattage, select a 300 watt transformer instead of a 250 watt transformer. It is also a good idea to allow for an increase in lamp wattage, or adding additional fixtures so your lighting system can grow with your garden. With this in mind, a 500 or 600 watt transformer is also a good choice for the above example. Transformers come in wattages ranging from 60-1120 watts, in stainless steel and painted cases, and in direct burial models. If you want a group of lights on at different times than others, you must install separate transformers for each lighting "zone." All transformers are sold without control options. **Bold** items usually in stock.



FX Luminaire 600w transformer

Part #	Wattage	Manufacturer	# Circuits	Control Options	Cabinet	Circuit Protection	Warranty	UL Code	List Price
LRT60	60	Lumiere	1x60w	n/a	Plastic	None	-	-	
NST100SS	100	Nightscaping	1x100w	Timer, Photocell	Stainless	10a Fustat	lifetime	1838	
NST150SS	150	Nightscaping	1x150w	Timer, Photocell	Stainless	15a Fustat	lifetime	1838	
NST250SS	250	Nightscaping	1x250w	Timer, Photocell	Stainless	25a Fustat	lifetime	1838	
HOTC35313	300	Hadco	1x300w	Timer, Photocell	Painted	Breaker Switch	1 year	1838	
FXPX300C	300	FX Luminaire	1x300w	Timer, Photocell	Stainless	1 Breaker Switch	10 years	1838	
UQ360SSSF	360	Unique	1x360w	Timer, Photocell	Stainless	3 Breaker Switches	lifetime	506, 1571	
UQ360DBSF	360	Unique	1x360w	n/a	Direct Burial	Secondary Fuse	lifetime	506, 1571	
NST500SS	500	Nightscaping	2x250w	Timer, Photocell	Stainless	2x25a Fustat	lifetime	1838	
HOTC65313	600	Hadco	2x300w	Timer, Photocell	Painted	Breaker Switch	1 year	1838	
FXPX600C	600	FX Luminaire	2x300w	Timer, Photocell	Stainless	2 Breaker Switches	10 years	1838	
UQ840SSSF	840	Unique	1x840w	Timer, Photocell	Stainless	3 Breaker Switches	lifetime	506, 1571	
UQ840DBSF	840	Unique	1x840w	n/a	Direct Burial	Secondary Fuse	lifetime	506, 1571	
HOTC94313	900	Hadco	3x300w	Timer, Photocell	Painted	Breaker Switch	1 year	1838	
FXPX900C	900	FX Luminaire	3x300w	Timer, Photocell	Stainless	3 Breaker Switches	10 years	1838	
NST1000SS	1000	Nightscaping	4x250w	Timer, Photocell	Stainless	4x25a Fustat	lifetime	1838	
UQ1120SSSF	1120	Unique	1x1120w	Timer, Photocell	Stainless	3 Breakers	lifetime	506, 1571	
UQ1120DBSF	1120	Unique	1x1120w	n/a	Direct Burial	Secondary Fuse	lifetime	506, 1571	

Control Options automatically turn transformers on and off. Photocells turn transformers on at dusk and off at dawn. To save energy and avoid resetting for daylight savings time, use a timer and a photocell together to turn the transformer on at dusk and off at a preset time during the night. Third-party motion sensor, infra-red sensor, and photocell controls can be installed on the line voltage (120v) side of all transformers.

FX Luminaire	Nightscaping	Unique	Hadco NightLife
Timer...IMTN111C.....	Timer...NSTSAT.....	Timer...IMTN811C.....	Timer...IMTN811C.....
Photocell...FXPXC1.....	Photocell...NSTSP.....		

Lighting Cable comes in several sizes or gauges. Twelve, ten, or eight gauge cable tends to be the most commonly used, depending on the length of the wire run and the wattage load. Choosing the correct size of cable is necessary to avoid excessive voltage drop, which leads to the dimming of lamps at the end of wire runs. Correctly sizing wire is a simple but essential step in designing a system that can grow and change with your garden.

12 Gauge Lighting Cable		
312x2	12 gauge per ft	
312x2250	12 gauge 250'	
312x2500	12 gauge 500'	
10 Gauge Lighting Cable		
310x2	10 gauge per ft	
310x2250	10 gauge 250'	
310x2500	10 gauge 500'	
8 Gauge Lighting Cable		
38x2	8 gauge per ft	
38x2250	8 gauge 250'	



Shown actual size, (l to r) 12 gauge, 10 gauge and 8 gauge. Low voltage lighting cable is UV resistant and suitable for direct burial. It is often easier to use two runs of 12 or 10 gauge than deal with the huge girth of 8 gauge cable.

How to specify the right cable –Voltage drop is created by internal resistance to the flow of electricity through electrical cable. It is the difference between the voltage at the beginning (transformer or source) of a cable run and that at its end. If the voltage drop is great enough, there will be a noticeable decrease in lamp brightness along the cable. The maximum acceptable voltage drop is 1.3 to 1.5 volts. Use the formula described below to determine voltage drop and to correct for it by using the appropriate kind of lighting cable. Multiply the length of the wire run in feet by the total wattage on that run. Divide the result by the selected cable size constant. This will give you the amount of voltage drop for fixtures more or less evenly distributed along the run. This figure may need to be adjusted, depending on fixture placement.

Voltage Drop Formula

Length of run in feet _____
X (multiply)
 Number of watts on run _____
Total = _____
÷ (divide)
cable size constant = _____
Voltage drop _____
Maximum allowable voltage drop is 1.5 volts.

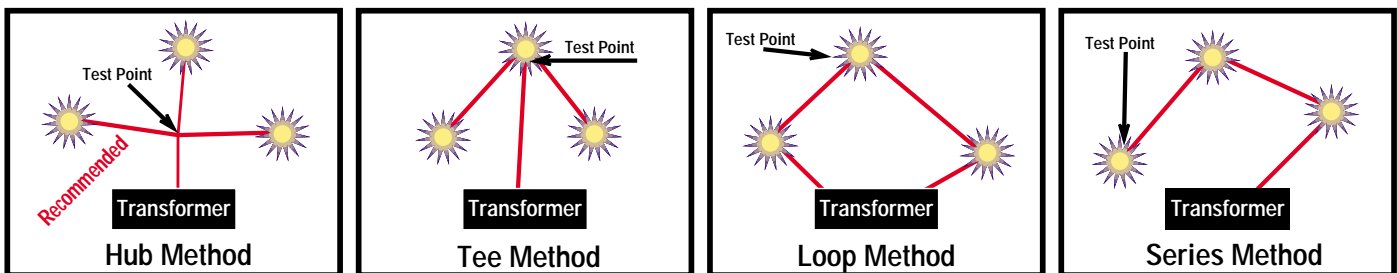
Cable size constants

12 gauge	7500
10 gauge	11920
8 gauge	18960

Adjustments for fixture placement

- If 60% or more of the fixtures are in the first half of the run, reduce the voltage drop figure by 25% (multiply voltage drop result by .75).
- If 60% or more of the fixtures are in the last half of the run, increase the voltage drop figure by 25% (multiply voltage drop result by 1.25).
- If 100% of the fixtures are on the last half of the run, multiply voltage drop result by 2.
- If this adjusted voltage drop is greater than 1.5, then continue recalculating for the next size larger cable (smaller gauge #) constant until the voltage loss value is less than 1.5. Use the cable size for the constant that produced the desired result, and use a higher or lower voltage tap, if provided on the transformer.

Test points and typical layout methods for lighting. We recommend using the hub method wherever possible. Use other methods so long as you test with a volt meter at each test point for voltage between 10.8 to 12 volts. Multi-taps on transformer can also help correct for voltage drop.



How to splice a light into a run of outdoor lighting cable. You will need wire cutters/strippers, two appropriately sized wire nuts, and one cable tie for each fixture. See page 7 for installation accessories.



1. Cut the main run of wire. When laying out wire, leave a one foot diameter loop where each fixture will go.
2. Strip the end of each wire, so that 3/4" of bare copper is exposed.
3. Place one wire from each main run with one wire from the fixture. Repeat with other wires.
4. Turn wire nut on to the group of wires until it stops turning. Repeat with other group.
5. Bundle all wires together and use a cable tie or electrical tape to secure them together.

Pathlights illuminate walkways and beautify the landscape while enabling safe and comfortable movement on stairs, etc. True path lights are either adjustable or have offset hoods to direct the pool of light to the path. Sculptural forms punctuate and enhance your garden even in daylight!



Kim Single Bell
Massive 30" pathlight for larger gardens and estates. MR16 lamp and stake not included. Available in Solid Brass, or in Bronze, Verde and Black.
KLV165NB.....

Hadco NightLife Advent
18" or 12" stem sizes, 18w single contact bayonet lamp, included. Black, Bronze, or Verde powder coat finishes. Black or bronze:
HOMSL18.....
Verde.....

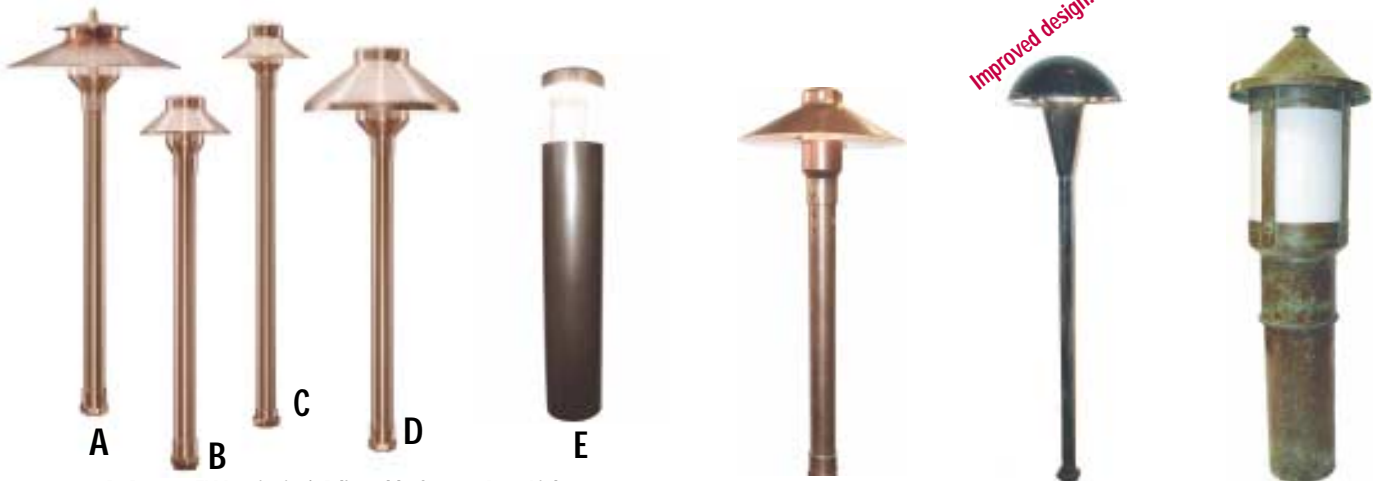
Lumiere 206
14" high. MR16 lamp and stake not included. 35w max. Available in Bronze, Verde, Black, or White. Fully adjustable.
LR206.....
MR11 lamp size available
LR205.....

Unique Voyager
10w (20w-max) bi-pin halogen included. Solid brass, 24" tall, lifetime warranty. Wide area of coverage. Stake included. Weathered brass finish also available.
UQVGR.....

Kim Highlighter
This 25" tall adjustable, solid brass, organic shape rises above and blends well with bed plantings. MR16 lamp and stake not included.
KLV175NB.....
KLV170G green..

FX Luminarie*
A. TulipanoD'Oro-solid copper & brass- 18.75" tall FXCT20...(20w).....
B. Faro Giardino-solid copper & brass- 22.5" tall FXCC12...(12w).....
Single contact bayonet lamp and stake included.

Area Lights illuminate planting beds and the landscape. They can also be used as path lights. Area lights shine in a 360 degree pattern. Use them to add depth and scale to the garden and show off hardscapes and ground covers.



A.-D. 12" FX Luminarie* Adjustable Copper Area Lights
Adjustable tops allow fine tuning of beam spread diameter from 5-18 feet. Raw copper finish will patina to a beautiful, natural finish. Bi-pin halogen lamp.

A. Del Mare 10w...FXDM1012R.....
B. Saguaro Petite 10w...FXSP1012R.....
Saguaro Petite 20w...FXSP2012R.....
C. Diamante Piccolo 10w...FXXL1012R.....
D. Demi Lite 10w...FXDL1012R.....

E. FX Luminarie Modern Bollard

13.5" Tall. Sleek, clean, and impeccably crafted. Sturdy aluminum bronze-finished column. Durable Lexan® lens looks great in modern settings. Stake & 20w AR-11, incl.
E. Modern Bollard 20w...FXMB20BZ.....

*FX Luminarie fixtures come with a 10 year factory warranty when used with UL 1838 listed transformers. All fixtures include long-lasting lamp and stake.

Focus 12" Adjustable Copper China Hat
Adjustable top allows for fine tuning of beam spread diameter from 8-25 feet. (25w max) 18w single contact bayonet incandescent included. No stake needed
FOAL13C.....

Hadco NightLife Mushroom
18" high, 27 watt (max) single contact bayonet included. Flip top makes lamp changing easy. Black, bronze, verde or solid brass models available. As shown:
HOMUL4A.....

Arroyo Craftsman Berkeley Post Mount
Line or low-voltage, 50 watt max. Each one custom made with your choice of natural or patina finishes and many art glass options. Special order w/post as shown.
AYBP6.....

Solid brass and copper fixtures are ideal for the Bay Area's marine climate. They naturally patina to look better over time and never peel and blister like painted aluminum fixtures sometimes do.

Spotlights and floodlights can highlight trees, sculptures, water and architectural features. Backlighting and wall washing floodlights produce beautiful silhouettes, shadows, and textures, creating mood and interest in the garden. These lights can be mounted on stakes and pointed up to light trees, bushes, and architectural features. They can be installed in a tree with mounting canopies to illuminate an area. With optional lenses, louvers, barn doors, shields and lamps, these fixtures can be customized for just about any application. See accessories on page 7.



Lumiere #211
Use up to a 35 watt MR11 bulb. Lamp & stake not included. Optional glare shield; see accessories.
LR211BK.....

Lumiere #203-1
Use up to a 50 watt MR16 bulb. Lamp & stake not included. Optional glare shield; see accessories.
LR2031VG.....

Lumiere #203
Use up to a 50 watt MR16 Lamp & stake not included. Optional glare shield; see accessories p. 7.
LR203BK.....



Hadco Composite Bullyte
Use up to a 50 watt MR16 Lamp & stake not included.
HOBCL16A.....

Hadco MR-11 Bullyte
Use up to a 35 watt MR11 Lamp & stake not included.
HOBL711H.....



Hadco Brass Bullyte
Use up to a 50 watt MR16 Lamp & stake not included. Solid Brass.
HOBL16-N.....



FX Luminaire fixtures include stake and MR-16 lamp in the wattage noted.

A. FX Reflector Spot
Optional Shield. 20 watt. Black wrinkle finish over aircraft grade aluminum.
Fixture: FXRS20BF.....
Shield: FXDSBF.....

B. FX Copper Spot with Shield
20 watt Solid copper fixture with solid brass 0-ring sealed adjustment knuckle.
FXCS20GS.....

C. FX Luminaire Reflector Spot.
20 watt Shown in Bronze finished aircraft-grade aluminum. Available in 35 & 50 w.
FXRS20BZ.....

D. FX Copper Spot
20 watt Solid copper fixture with solid brass 0-ring sealed adjustment knuckle.
FXCS20.....



These flood-lights can be used to light large walls of ivy or other architectural features. The wide beam spreads let you use fewer fixtures.

A & B Kim Micro Floods
with optional barn doors.
Comes with 75 watt T3 bulb.
KLV215B.....
Barn Doors: KLVBD215BL.....

C. Hadco Par36 Floodlight
Composite. Lamp and stake not included.
HOBL36A.....

D. Lumiere Wall Wash / Floodlight
with 20 watt T3 lamp.
LR403BZ.....

E. Unique Big Bang Floodlight
Solid copper, incl 35 watt Par 36 lamp, stake, & hexcell louver.
UQBB.....

Well Lights can turn trees, specimen plants, and architectural features into focal points of your garden. Well lights are partially buried, so the only thing visible is the light.



Unique Nova Well Light
Includes 20w bi-pin halogen. Solid brass with frosted glass dome. Throws a soft hemispheric glow.
UQNOVA.....

Hadco Par 36 Well Light
Use up to a 50w Par 36 (included). Rubber boot around lamp secures lamp and allows friction adjustment at any angle.
HOIL336LA.....

FX Luminaire WL-NF
Composite cover-only for any MR-16 spot on a stake. Protects fixture inside from being kicked, lawn mowers, etc. Black only.
FXWLN.....

Kim Adjustable Well Light
Use up to a 50w MR-16 (not included). Lamp mount swivels to achieve any angle. Cast aluminum w/baked-on finish.
KLV310G.....

Hadco Adjustable Well Light
50w max MR-16 (not included). Mount swivels at any angle. Sturdy composite grate covers rubber-gasketed glass lens.
HOIL116GH.....

Step Lights are mounted on or into walls, decks, stair risers, and on posts. They direct light on to steps or walkways to enable safe movement.



For scale, these step lights are all surface mounted on a 4"x4" post, and show our most popular in-stock models.

- | | | | | |
|---|--|--|---|--|
| Focus Cowbell
Aluminum 18w
FOSL18..... | Hadco Swivel
Composite 10w
HORL13A..... | Hadco Deck Light
Solid copper 7.5w
HOGADL1AC..... | Unique Viking
Solid brass 10w
UQVKG..... | Unique Gemini
Solid brass 10w
UQGMNI..... |
|---|--|--|---|--|

- FX Luminare LouverMax**
20w (2 x10w bipin halogen incl.) Heavy-duty solid copper self-leveling face, stainless box and vandal-proof screws.
FXLM20.....

Mounting options and installation accessories make it easy to plan, design, and complete a custom outdoor lighting project.



Special effects lenses and louvers let you customize the light. Use them on almost every brand of MR-11 & 16 spotlights.

- | | | | |
|--|--|--|--|
| Diffuser Lens
<i>Diffuses hot spots
Softens edges</i>
MR-16 LRDIF.....
MR-11 LRDIF1..... | Overall Spread Lens
<i>Expands beam in
all directions</i>
MR-16 LROSL.....
MR-11 LROSL1..... | Linear Spread Lens
<i>Elongates beam
at any angle</i>
MR-16 LRLSL.....
MR-11 LRLSL1..... | Hexcell Louver
<i>Concentrates beam
Stops raking glare</i>
MR-16 NSLRO202...
MR-11 LRLVR1..... |
|--|--|--|--|



- Gel filled waterproof wire nuts**
- | | |
|------------------------------|--|
| 3MURGBK each..... | |
| 3MURGBK25...bag of 25..... | |
| 3MURGBK...bag of 100..... | |
| 3MURGBKGR...each..... | |
| 3MURGBKGRC...bag of 100..... | |
| 3MURGBKBU...each..... | |
| 3MURBKBU10...bag of 10..... | |
| 3MURBKBU50...bag of 50..... | |
| 3MURGEL...each..... | |
| 3MURGEL15...bag of 15..... | |
| 3MURGEL50...bag of 50..... | |



- Focus Tree Strap Mount**
Available in several sizes. Useful when attaching lights to tree trunks and branches.
- | | |
|---|--|
| FOFA2410bz 10" tree strap w/ canopy, bz..... | |
| FOFA2415bz 15" tree strap w/ canopy, bz..... | |
| FOFA2421bz 21" tree strap w/ canopy, bz..... | |
| FOFA2431bz 31" tree strap w/ canopy, bz..... | |
| FOFA2441bz 41" tree strap w/ canopy, bz..... | |



- Lumiere FSI Rectangular Wall Plate and Box Cover**
For use with junction boxes.
LRFS1.....



- Round Mounting Canopy**
All-purpose mounting canopy for attaching fixtures with 1/2" MPT to flat wood surfaces.
- | | |
|---------------------------|---------|
| HOMC1A black..... | \$11.46 |
| HOMC1G verde..... | 15.60 |
| HOMC1H bronze..... | 11.46 |



- Lumiere Tree Mount**
Mount 1/2" MPT lights on trees. Cavity underneath hides wire splices.
- | | |
|-----------------------------|---------|
| LRTM05BK black..... | \$17.77 |
| LRTM05BZ bronze..... | 17.77 |
| LRTM05VE verde..... | 17.77 |
| LRTM05WH white..... | 17.77 |



- 9" ABS Mounting Stake**
Use everywhere a 1/2" MPT path, area, or spot light fixture goes in the ground.
FOFA03.....



- Marking Flags**
Identify future fixture types, locations, and wire runs with different flag colors for easy installation.
- | | |
|----------------------|--------|
| Each, any color..... | 10¢ |
| Bundle of 100..... | \$7.95 |



- Taymac In-Use Outlet Cover**
Waterproof covers for GFCI (Ground Fault Circuit Interrupter) outlets. Protects outlet and transformer and other plugs from rain and spray while in-use outdoors. Required by US Electrical Code.
- | | |
|----------------------|---|
| TA20310 | 5 |
| TA20510 | |
| TA97510 | |



- Volt Meter**
Indispensable tool. The voltmeter will give you accurate voltage readings at your points of connection, and assist you in installing and troubleshooting your systems.
VOLT.....



- Anti Corrosion Compound**
Keeps your connections from corroding & oxidizing. Use in lamp sockets, too!
HOMA4.....



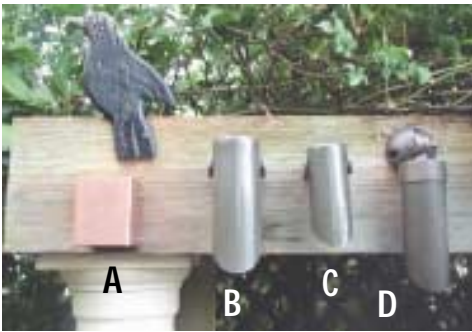
- Lumiere Glare Shield**
Glare shields hide the glare on Lumiere MR 11 & 16 spots.
- | | |
|----------------------------------|--|
| MR-16 Angled LRFH203..... | |
| MR-16 Full LRFH204..... | |
| MR-11 Angled LRFH211..... | |
| MR-11 Full LRFH212..... | |



- Cable Ties**
Secure it, attach it, or relieve strain on connections.
- | | |
|------------------------------|--------|
| Each 3TC7 | 13¢ |
| Bag/100 514007B | \$6.95 |



- Wire Stripper/Cutter**
Use this wire stripper/cutter/crimper on any gauge lighting cable to prep for connections. Ergonomic design improves leverage and grip. Required.
ERGOSTRIP.....



- A. **FX Luminaire BeamLite** in Solid Copper. GBF Halogen 20 watt. FXBL20.....
- B. **FX Luminaire TreeSpot** in Bronze. GBK Halogen 50 watt. FXTS50BZ.....
- C. **FX Luminaire TreeSpot** in Bronze. GBH Halogen 20 watt. FXTS20.....
- D. **Unique Odyssey** Solid Brass MR16-35w Halogen, included UQOD.....
- E. **Lumiere Hanging Light #213** White. MR16- 50 watt max. LR213WT.....
- F. **Lumiere Hanging Light #213** Black. MR16- 50 watt max. LR213BK.....
- G. **Lumiere Hanging Light #213** Verde. MR16- 50 watt max. LR213VG.....
- H. **Lumiere Hanging Light #213** Bronze. MR16- 50 watt max. LR213BZ.....
- J. **Nightscaping Starlitter**—Copper/Brass. LO-93 12 watt lamp incl. 13" long. NSTD1302CU.....
- K. **Nightscaping Starlitter** Copper/Brass. LO-93 12 watt lamp incl. 10" long. NSTD1002CU.....
- L. **Nightscaping Starlitter** Copper/Brass. LO-93 12 watt lamp incl. 7" long. NSTD0702.....
- M. **FX Luminaire VineLite** in Solid Copper. GBF Halogen 20 watt. FXVL20.....
- N. **FX Luminaire LunaSonora** in Solid Copper. LO-1141 18 watt. FXLS18.....



Mounted (above left) and **Hanging Lights** (above) are used on buildings, railings, beams, trellises, arbors, and gazebos. They provide subtle illumination over seating areas, and in trees, for natural "moonlight" effect. Want stars, too? Try the Starlighter, with tiny pierced holes in the solid copper tube! Chain not included.

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