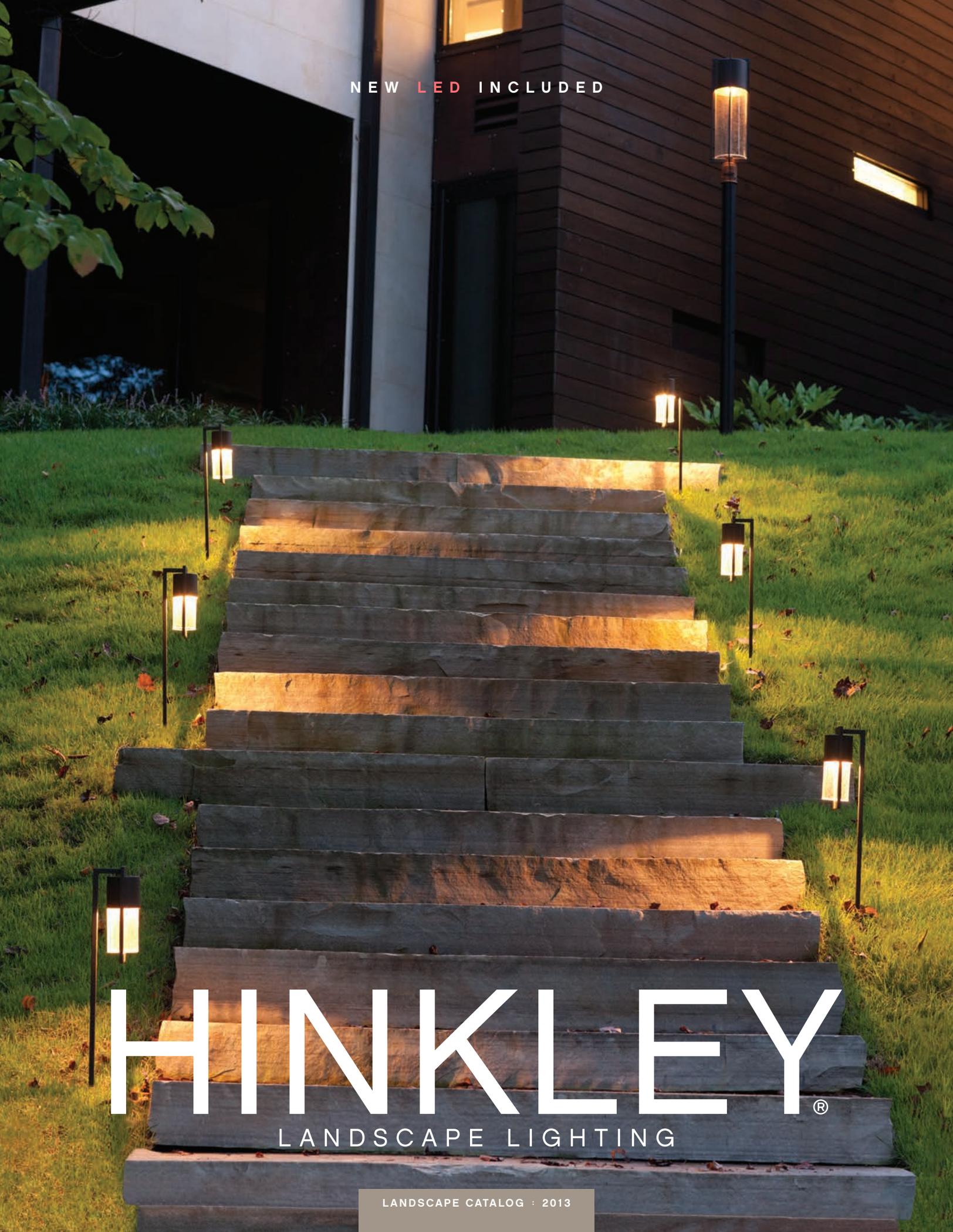


NEW LED INCLUDED



HINKLEY®

LANDSCAPE LIGHTING

LANDSCAPE CATALOG : 2013

HINKLEY

LANDSCAPE LIGHTING

LET HINKLEY TRANSPORT YOU INTO AN EXCITING NEW WORLD WHERE LIGHTING, DESIGN AND FASHION COME TOGETHER. AT HINKLEY LIGHTING, WE EMBRACE THE DESIGN PHILOSOPHY THAT YOU CAN MERGE PERSONAL STYLE, IMPROVED SECURITY AND A CONNECTION TO NATURE WHILE CREATING YOUR PERFECT LANDSCAPE. WE HOPE YOU WILL BE INSPIRED BY OUR COMMITMENT TO KEEP YOUR 'LIFE AGLOW.'

THIS CATALOG INCLUDES THE FULL RANGE OF HINKLEY LANDSCAPE LIGHTING FIXTURES.

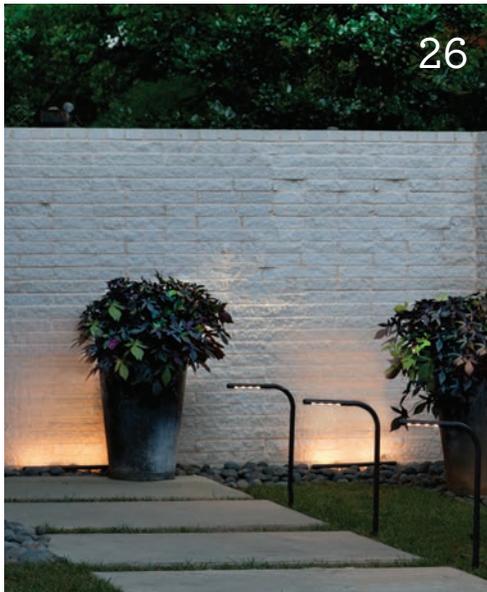
HINKLEY LIGHTING, INC.

ONE FAMILY, THREE BRANDS : A FULL SPECTRUM OF LIGHTING



Perfect Landscape

Successfully transforming your outdoor space with landscape lighting will increase its beauty and its usefulness. No matter the scale of the project, this process always involves careful planning to shape your ideal outdoor experience. Complete your lighting vision in style with Hinkley Landscape Lighting.



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HARDY ISLAND CAST BRASS LANDSCAPE LIGHTING

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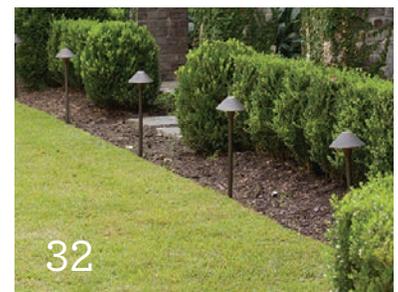
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"I think you really need to stay true to the architectural style of the house and choose landscape lighting that is in the same vein. I don't really love the idea of trendy or eclectic when thinking about the exterior of a home. I believe in classic. Now the interior is another story."

RYAN KORBAN, RYAN KORBAN
NEW YORK CITY

True to Form

Before selecting your decorative landscape lighting, it is important to take into account the key architectural and landscaping features of your home. This extra layer of style will add loads of curb appeal while reflecting your personal design taste. Keep in mind that visible fixtures, like path lights, should complement the time period the house was built, along with its overall styling.

Utilitarian fixtures such as well and spot lights will be concealed in landscape materials or shrubbery so choose fixtures that blend in when the fixture is off or during winter months when there is less foliage.

"A decorative fixture is obviously the choice in areas where it is highly visible and acts as part of the house's exterior décor. When choosing decorative fixtures, consider the architectural style of your home and the interior design elements you wish to complement. Consider scale as well, making sure that the fixture is in proper proportion to the space it is illuminating and nearby architectural elements such as corbels and doors."

AMY ELBERT, SENIOR ARCHITECTURE EDITOR, TRADITIONAL HOME

*Fixtures shown: **Trellis 1435 RB**, page 567 (Hinkley's full line catalog) and **Hardy Island Path Lights 16007 MZ**, page 18.*

TRANSFORMING YOUR NIGHTTIME LANDSCAPE with lighting effects will create lovely shadows and define interesting architectural elements. There are a variety of ways to add drama to your outdoor space, no matter its size. Keep in mind that even a modest yard or small terraced area can benefit from getting creative with simple lighting techniques. (Techniques continued on page 8)

UP-LIGHTING

Uplighting refers to illuminating an object, area or surface from below. For the effect shown below, a spot light is aimed at the tree in the foreground while the front of the home remains relatively dark. This method creates a focal point in the landscape:



"My favorite landscape lighting technique is using spot lights: I love the effect of up-lighting trees!"

"If chosen carefully, even the most modest of landscape design projects can be transformed into something magical. Using a variety of lighting will provide a combination of highlights to enhance a space — try using up lights in trees, path and spot lights in landscape and decorative lanterns over seating areas."

LISA McDENNON, LISA McDENNON DESIGN
LAGUNA BEACH, CA

PATH LIGHTING

Path and area lighting is used to enhance landscaping such as flower beds, shrubbery and borders while safely illuminating pathways. For the effect shown below, path lights are staggered around the walkway to create pools of light and illuminate a safe passageway to the home's entrance emphasizing the dynamic design of the landscape:



SILHOUETTING

Also called backlighting, silhouetting is used to dramatize an interesting-shaped object. For the effect shown below, a spot light is placed between the tree and the front of the home. The spotlight is aimed at the front of the home creating a dramatic silhouette of the tree:



TECHNIQUES CONTINUED ON PAGE 8 >>

HINKLEY IS HERE TO HELP you make educated choices about your low voltage lighting plan and lamping options. Light is an essential design tool and it is not always easy to visualize how a combination of lighting effects will work together. Whether you are planning to install a whole-yard plan at once or gradually add in different layers of light, it's often best to consult with lighting expert at your local lighting showroom.

12V VS. 120V

Homeowners can consider 2 types of voltage systems while planning their outdoor lighting. Below is an easy-to-understand overview to help make the best choices.

Low voltage systems, or 12v systems, are generally more flexible and suitable for most residential environments while line voltage or 120v systems are more suited to permanent commercial and institutional applications.

12V LOW VOLTAGE	120V LINE VOLTAGE
Flexibility when installing or relocating; cable can be repositioned	Wire must be buried 18 inches and placed in a protective conduit; easy to install if area is pre-wired
Designed for wet locations and operates safely when exposed to moisture	All fixtures and connectors must be absolutely waterproof (shock hazard potential when wet)
Lamps are small allowing fixtures to be smaller and blend with the landscape	Lamps and fixtures are larger and less fixtures are required for a complete lighting plan
Lamps available in low watt type and many beam spreads; precise lighting effects can be achieved with low energy costs	Higher watt lamps and one or two beam spreads produce high light levels and can be wired into home's electrical supply
Can be plugged into existing outdoor receptacles; no need for an electrical contractor in most cases	Must always be installed by a licensed electrical contractor; local permits may be required
Transformer to convert electrical current from 120v to 12v required; voltage drop (dim lights) can occur if improperly installed and inadequately sized cable used	No transformer required; voltage drop not as critical

Expert lighting consultants are available in your area to further answer questions you may have about landscape lighting installation. Visit Hinkley Landscape Lighting online and use our showroom locator to locate a knowledgeable distributor in your area: hinkleylighting.com

JUST YOUR TYPE

Consider all aspects of your exterior when designing a lighting plan. When done right, your landscape lighting will combine form and function, making your home safer and more beautiful. Four important areas to consider include:

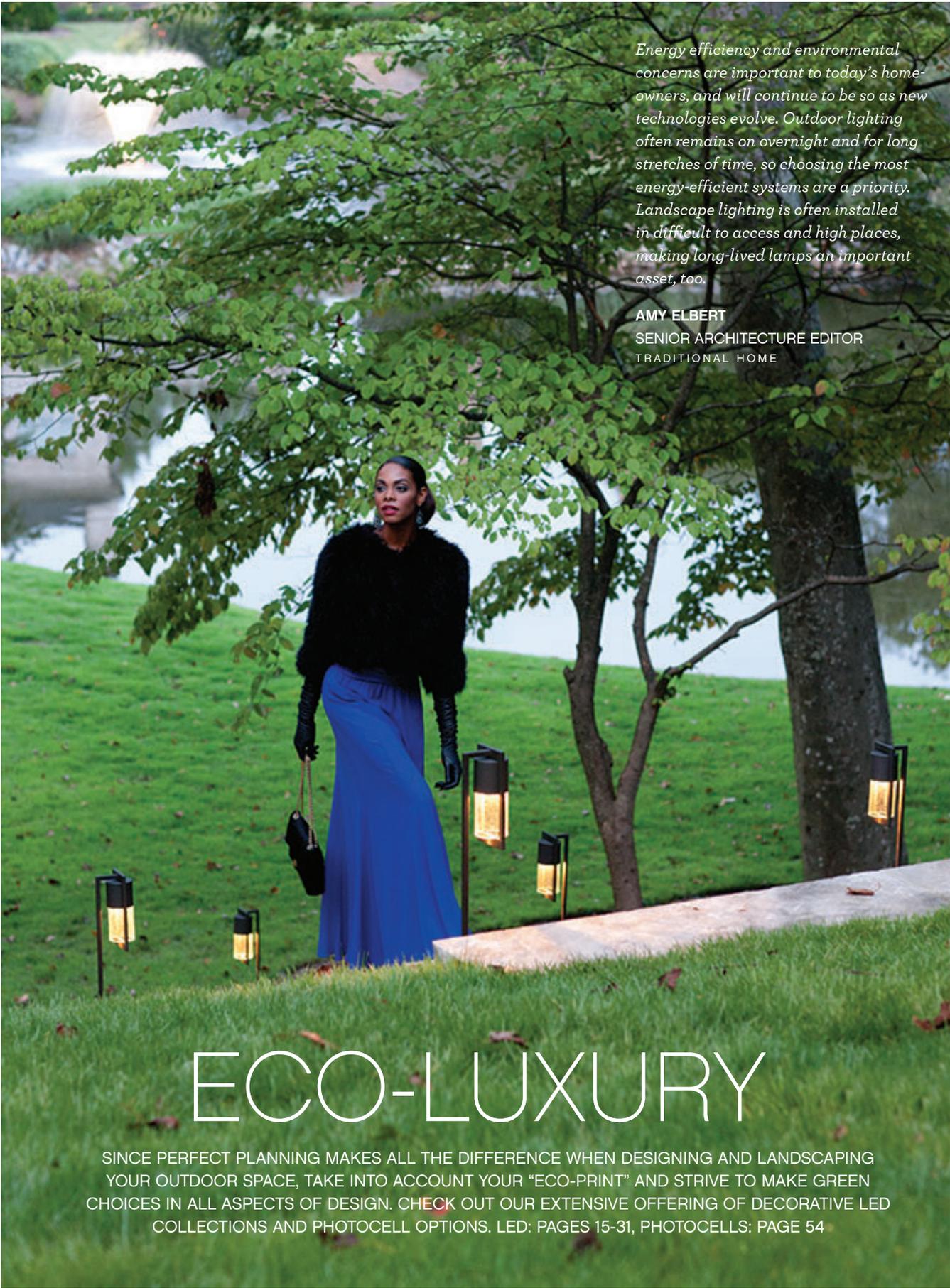
- **PATH** – Area lights, or low-level path lighting, are installed to keep walkways bright and easily visible.
- **ACCENT** – Accent lights use directional beams of light and are most often installed to spotlight important landscape features such as trees, statues and other architectural elements.
- **DECK** – Deck lights distribute subtle light, spreading it in a horizontal direction without glare. They are usually mounted to the side of the home or to a deck's railing.
- **STEP & BRICK** – lighting can be used in masonry or wood constructions to add safety and security to multi-level decks and on steps located throughout your property.

"Introducing light from multiple sources creates an interesting play of light and shadows that enhances a house's architecture, lawn and gardens. Illuminating the exterior is much like lighting a home's interior – you need to layer light, using different types and sources of light to serve a variety of purposes – from safety to ambience to drama. One source of light, such as a porch lamp, certainly won't show off your gardens; nor will a single uplight on a tree illuminate your front stairs. Light layered from a variety of angles and levels gives property a nice sense of balance and provides a lovely wash of light that is practical and pretty."

AMY ELBERT, SENIOR ARCHITECTURE EDITOR
TRADITIONAL HOME

"I think landscape lighting is essential to a home's safety and appearance. Proper outdoor lighting can transform a home at night into a work of art."

CHRISTINA FLUEGGE, GREIGE DESIGN
SAN JOSE, CA

A woman with dark hair, wearing a black fur coat, a long blue skirt, and black gloves, stands in a lush green garden. She is holding a small black handbag. The garden features several trees with green leaves and several black landscape lighting fixtures with glowing yellow lights. The background shows a blurred view of a house and a body of water.

Energy efficiency and environmental concerns are important to today's homeowners, and will continue to be so as new technologies evolve. Outdoor lighting often remains on overnight and for long stretches of time, so choosing the most energy-efficient systems are a priority. Landscape lighting is often installed in difficult to access and high places, making long-lived lamps an important asset, too.

AMY ELBERT
SENIOR ARCHITECTURE EDITOR
TRADITIONAL HOME

ECO-LUXURY

SINCE PERFECT PLANNING MAKES ALL THE DIFFERENCE WHEN DESIGNING AND LANDSCAPING YOUR OUTDOOR SPACE, TAKE INTO ACCOUNT YOUR "ECO-PRINT" AND STRIVE TO MAKE GREEN CHOICES IN ALL ASPECTS OF DESIGN. CHECK OUT OUR EXTENSIVE OFFERING OF DECORATIVE LED COLLECTIONS AND PHOTOCELL OPTIONS. LED: PAGES 15-31, PHOTOCELLS: PAGE 54



“Landscape lighting creates lovely soft shadows and defines interesting architectural elements. I particularly enjoy star-gazing at night, so I prefer sources that create soft pools of light on pathways or plantings. This gentle mood light invites people outside, encourages intimate conversations, and enhances a home’s landscape without interfering with the night sky.”

AMY ELBERT
SENIOR ARCHITECTURE EDITOR
TRADITIONAL HOME

ONE STEP AT A TIME

FOLLOW THESE SIMPLE GUIDELINES FOR A SUCCESSFUL RESIDENTIAL LANDSCAPE LIGHTING PLAN →

THE BEST OUTDOOR LIGHTING PLANS will add value to your home, enhance your architecture and improve safety. With so many important benefits at stake, Hinkley recommends taking a smart and measured approach to ensure your lighting design is pure perfection.

ASSESS YOUR EXTERIOR AND SELECT THE AREAS YOU WANT TO ILLUMINATE.

1.

CHOOSE OUTDOOR LIGHTS THAT COMPLEMENT AND DON'T COMPETE WITH INTERIOR LIGHT SOURCES.

2.

CHOOSE FROM A VARIETY OF DISTINCTIVE LIGHTING TECHNIQUES OUTLINED THROUGHOUT OUR LANDSCAPE DESIGN CENTER AND ON HINKLEYLIGHTING.COM.

3.

RESEARCH ENERGY-EFFICIENT FIXTURE OPTIONS, SUCH AS LED, FOR LONG-TERM SAVINGS. SEE HINKLEY'S LED LANDSCAPE LIGHTING, PAGES 15-31.

4.

"Exterior lighting provides a warm welcome and guides visitors safely up walkways and into your home. It leads people from the natural environment into the comforts of your home and should do so in an inviting and seamless way."

AMY ELBERT
SENIOR ARCHITECTURE EDITOR
TRADITIONAL HOME

BASED ON THE INSTALLATION REQUIREMENTS AND YOUR PERSONAL LANDSCAPING NEEDS, SELECT YOUR LIGHTING FIXTURES AND NECESSARY ACCESSORIES.

5.

TAKE INTO ACCOUNT THE APPROPRIATE LAMPING BASED ON LIGHT INTENSITY AND BEAM SPREAD.

6.

SELECT THE PROPER TRANSFORMER TO PROVIDE THE CORRECT POWER SUPPLY.

7.

CHOOSE PHOTO CELLS OR A TIMER TO TURN THE LIGHTS ON OR OFF, ADDING AN ADDITIONAL MAINTENANCE-FREE AMENITY.

8.

GET CREATIVE WITH THESE SIMPLE LIGHTING TECHNIQUES:

Continued from page 3

GRAZING

Grazing emphasizes a textured surface (such as a tree trunk, a stone wall, climbing ivy, etc.) by placing a light source within one foot of that surface and aiming the light beam parallel to that surface. For the effect shown below, spot lights are placed beneath each stone pillar to create shadows and dimension, complementing the home's entryway:



STEP LIGHTING

Step and brick lights can be used in masonry and wood constructions. These fixtures are designed to safely illuminate stairways and walkways. For the effect shown below, the steps are gently illuminated leading up to the doorway to ensure safety:



WALL WASHING

Wall washing is a technique that refers to the general illumination of a wall or surface. For the effect shown below, spot lights are placed along the front of the home to create a soft wash of light:



DECK LIGHTING

Step and brick lights can be used in masonry and wood constructions. These fixtures are specifically designed to provide safety and accent lighting. For the effect shown below, a surface mounted deck sconce is placed on the wall above each step to illuminate a safe entryway to the deck. Using an under bench light, a soft glow creates a warm atmosphere:





Safe at Home Base

The initial importance of outdoor lighting in general is for safety and security. This covers a wide range of essentials, from illuminating your pathways and stairs to lighting the darkest areas of your property. Another important factor to consider is being inside and ensuring you can see your property well enough to view incoming visitors, either welcomed or not. A well-lighted house is a more secure house.

"One of the primary roles of landscape lighting is to illuminate pathways and steps to ensure safety of those walking to and around the property. Burglars prefer operating out of view, in the dark and when no one is home. When points of entrance are illuminated and a home appears occupied, an invader is less inclined to attempt a break in. What burglar wants his actions in full view of residents, neighbors and passers-by? Fixtures that are triggered by motion are an effective tool for protecting your home from unwanted invaders."

AMY ELBERT, SENIOR ARCHITECTURE EDITOR, TRADITIONAL HOME

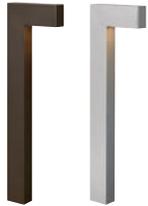
*Fixtures shown: **Plantation 2124 PZ**, page 608 in Hinkley's full line catalog*



page
44



COMPLETE YOUR LIGHTING VISION IN STYLE Hinkley offers a wide variety of outdoor lantern families that coordinate with our landscape lighting designs. See Hinkley's full line catalog or visit us online. hinkleylighting.com



ATLANTIS™

Atlantis Path Lights, page 39
Atlantis LED Path Lights, page 15.

Coordinating Lanterns, pages 422-429 in Hinkley's full-line catalog.



SATURN™

Saturn Path Lights, page 41.

Coordinating Lanterns, pages 416-419 in Hinkley's full-line catalog.



SHELTER™

Shelter Path Lights, page 41.

Coordinating Lanterns, pages 452-457 in Hinkley's full-line catalog.



LEDGEWOOD™

Ledgewood Path Lights, page 43.

Coordinating Lanterns, pages 478-481 in Hinkley's full-line catalog.



HARBOR™

Harbor Path Lights, page 42.
Harbor LED Path Lights, page 16.

Coordinating Lanterns, pages 468-473 in Hinkley's full-line catalog.



MAKE A COHESIVE STYLE STATEMENT
SEE HINKLEY'S FULL-LINE CATALOG FOR
COORDINATING OUTDOOR LANTERNS.



TRELLIS™

Trellis Path Light, page 44.

Coordinating Lanterns,
pages 566-568 in Hinkley's
full-line catalog.



RALEY™

Raley Path Light, page 44.

Coordinating Lanterns,
pages 526-527 in Hinkley's
full-line catalog.



PLANTATION™

Plantation Path Light, page 44.

Coordinating Lanterns,
pages 608-612 in Hinkley's
full-line catalog.



MONTICELLO™

Monticello Path Light,
page 45.

Coordinating Lanterns,
pages 592-593 in Hinkley's
full-line catalog.



BOLLA™

Bolla Path Light, page 45.

Coordinating Lanterns,
pages 486-489 in Hinkley's
full-line catalog.





LED

HINKLEY IS AT THE FOREFRONT OF TECHNOLOGY, UTILIZING THE LATEST ENGINEERING EXPERTISE TO OFFER A WIDE VARIETY OF LONG-LASTING LED LANDSCAPE LIGHTING TO ECO-CONSCIOUS HOMEOWNERS. OUR DESIGNS MEET THE LATEST ENVIRONMENTAL GUIDELINES, CREATING THE OPPORTUNITY FOR ECO-CHIC LED LIGHTING PLANS TO KEEP THE ENVIRONMENT IN MIND.



ON SOLID GROUND

WHAT'S THE BIG DEAL ABOUT ALTERNATIVES TO TRADITIONAL LIGHTING? THERE ARE MANY REASONS TO BE EXCITED ABOUT NEW ILLUMINATION METHODS LIKE SOLID STATE LIGHTING. THE MOST POPULAR FORM, LED, BENEFITS BOTH THE USER AND OUR PLANET, AND WHO DOESN'T LIKE WIN/WIN SCENARIOS? LET'S TAKE A LOOK AT A FEW OF ITS ADVANTAGES:

- **LONG LIFE**

A long service life is one of the most thrilling aspects of LED lighting. It can have an operational life of up to 100,000 hours! That's equal to about 20 years of traditional use. And since they don't automatically "burn out," LEDs will simply become less bright near the end of its life span.

- **ENERGY EFFICIENT**

Energy efficiency is top of mind when thinking about lighting consumption. LEDs offer stellar efficacy, or lumens of light output per watt of electrical input. Since it also decreases the amount of needed maintenance, these benefits can apply to both residential or urban applications.

- **ECO-FRIENDLY**

Completely free of toxic materials, LEDs are ecologically friendly and 100% recyclable. With a longer life span and less replacement needed, this will also save on overall materials and that is always good news for our planet!

- **DURABILITY**

Built to withstand extreme weather conditions and temperatures variations, don't let the compact size of an LED fool you. They are optimal for outdoor lighting systems and don't have the more fragile filament or arc tube, which can break.

- **REDUCED UV EMISSIONS**

LEDs produce extremely minimal infrared light and UV emissions during the light transmission. This means few limitations while considering the illumination of heat-sensitive objects or materials, allowing extreme flexibility in design applications.

- **LOW VOLTAGE POWER SUPPLY**

Since this is sufficient for LED, landscape lighting is a breeze and allows this amazing technology to enhance and benefit your outdoor lighting plans.

- **LIGHT DISPERSMENT**

LED is designed to focus its light and brighten up immediately while being directed to a specific location without the need for an external reflector, making this little guy a bundle of efficiency.



LED

INTELLIGENT LIGHTING Hinkley is dedicated to providing state-of-the-art products by utilizing the latest technology and cutting edge components. Below are the LED engines and specifications for both convertible fixtures and integrated LED.

CONVERTS INCANDESCENT TO LED



00T5-LED

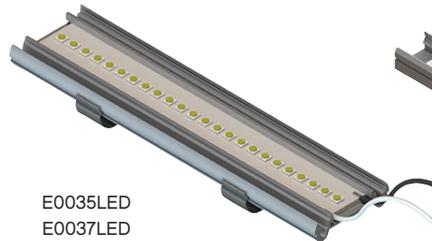


00T3-LED



0016SP-LED
0016NF-LED
0016WF-LED

INTEGRATED LED



E0035LED
E0037LED



E0036LED
E0038LED



IPL-30
U.S. Patent Pending



E5050LED



MR16-20LED30
MR16-20LED60
MR16-30LED
MR16-60LED



E0054LED
E0055LED

LED ENGINES

ITEM	DESCRIPTION	LUMENS	COLOR TEMP.	CRI	WATTS CONSUMED	VA	INCANDESCENT EQUIVALENCY	LIFESPAN
00T3-LED	T3 LED Bulb	140	3000k	80	1.5w	1.8VA	15w	25,000
00T5-LED	T5 LED Bulb	180	3000k	82	1.7w	2.0VA	18w	25,000
0016NF-LED	MR16 LED Bulb - 30°	275	3000k	80	4.3w	4.3VA	35w	25,000
0016SP-LED	MR16 LED Bulb - 15°	275	3000k	80	4.3w	4.3VA	35w	25,000
0016WF-LED	MR16 LED Bulb - 45°	275	3000k	80	4.3w	4.3VA	35w	25,000
E0035LED	Linear Light Engine	100	3000k	80	1.6w	2.5VA	12w	40,000
E0036LED	Linear Light Engine	160	3000k	80	2.1w	3.2VA	18w	40,000
E0037LED	Linear Light Engine	160	3000k	80	2.7w	N/A	18w	40,000
E0038LED	Linear Light Engine	100	3000k	80	2.0w	N/A	12w	40,000
E0054LED	50w LED Engine 30°/60°	450	3000k	80	7.0w	10.6VA	50w	35,000
E0055LED	50w Line Voltage LED Engine 30°/60°	450	3000k	80	7.0w	N/A	50w	35,000
E5050LED	Deck Light Engine	100	3000k	80	1.5w	2.4VA	12w	40,000
IPL-30	Integrated Path Light Engine	110	3000k	80	2.3w	3.9VA	12w	60,000
MR16-20LED30	20w MR16 Insert 30°	250	3000k	80	3.5w	5.8VA	20w	35,000
MR16-20LED60	20w MR16 Insert 60°	250	3000k	80	3.5w	5.8VA	20w	35,000
MR16-30LED	35w MR16 Insert 30°	300	3000k	80	4.2w	7.0VA	35w	35,000
MR16-60LED	35w MR16 Insert 60°	300	3000k	80	4.2w	7.0VA	35w	35,000



INTEGRATED LED TIP: SPACE PATH LIGHTS 12'-20' APART

(IPL ENGINE)



LED ADVANTAGES

- INTEGRATED LED MEANS NO LIGHT BULBS TO BUY OR REPLACE
- 3000K COLOR TEMPERATURE = CONSISTENT WARM LIGHT
- USES 75% LESS ENERGY THAN HALOGEN BULBS FOR LONG TERM COST SAVINGS
- ESTIMATED LED CHIP LIFE = 40,000 HOURS

VA (LED) & WATTS (INCANDESCENT)

VA (Volt-Amps) indicates your power supply/transformer requirement. All transformers are sized to a rating of Volt-Amps.

To properly size your transformer, add up Watts for all incandescent lamps and VA (Volt-Amps) for all LED lamps and fixtures. Both incandescent and LED can be on the same tap/wire. Your energy cost is measured by Watts.

LED PATH & AREA LIGHTING: 12V

ITEM	NAME	FINISH	WIDTH	HEIGHT	CONSTRUCTION	GLASS LENS	LED ENGINE	LED WATTAGE	INCANDESCENT EQUIVALENCY	POWER SUPPLY REQUIREMENT
1518 BZ-LED	Atlantis	Bronze	6 1/2" (side) 1 3/4" (face)	22" 2 1/2" (face)	Aluminum	Etched	IPL-30	2.3w	18w	3.9VA
1518 HE-LED	Atlantis	Hematite	6 1/2" (side) 1 3/4" (face)	22" 2 1/2" (face)	Aluminum	Etched	IPL-30	2.3w	18w	3.9VA
1518 TT-LED	Atlantis	Titanium	6 1/2" (side) 1 3/4" (face)	22" 2 1/2" (face)	Aluminum	Etched	IPL-30	2.3w	18w	3.9VA

A wiring kit and ground spike (0014 BZ - see pg. 53) is supplied. For additional accessories, see page 53. For Transformers, see pages 54-55.

LED



1548 BZ-LED
PIZA™



1548 TT-LED
PIZA™



1561 AR-LED
HARBOR™

Coordinating outdoor lanterns available.



1561 SK-LED
HARBOR™

Coordinating outdoor lanterns available.

Coordinating outdoor lanterns available.

1561 TT-LED
HARBOR™

LED PATH & AREA LIGHTING: 12V

ITEM	NAME	FINISH	WIDTH	HEIGHT	CONSTRUCTION	GLASS OR LENS	LED ENGINE	LED WATTAGE	INCANDESCENT EQUIVALENCY	POWER SUPPLY REQUIREMENT
1548 BZ-LED	Piza	Bronze	2 3/4" (side) 1 3/4" (face) 10" (total ext.)	15"	Aluminum	Etched Lens	E0035LED	1.6w	18w	2.5VA
1548 TT-LED	Piza	Titanium	2 3/4" (side) 1 3/4" (face) 10" (total ext.)	15"	Aluminum	Etched Lens	E0035LED	1.6w	18w	2.5VA
1561 AR-LED	Harbor	Anchor Bronze	7 1/2"	21"	Aluminum	Etched Lens	IPL-30	2.3w	12w	3.9VA
1561 SK-LED	Harbor	Satin Black	7 1/2"	21"	Aluminum	Etched Lens	IPL-30	2.3w	12w	3.9VA
1561 TT-LED	Harbor	Titanium	7 1/2"	21"	Aluminum	Etched Lens	IPL-30	2.3w	12w	3.9VA

A wiring kit and ground spike (0014 BZ - see pg. 53) is supplied. For additional accessories, see page 53. For Transformers, see pages 54-55.



1573 SC-LED SAUCER™

1573 BK-LED SAUCER™



1502 BZ-LED CONTEMPO™

INTEGRATED LED TIP:
SPACE PATH LIGHTS
12'-20' APART
(IPL ENGINE)



1544 SC-LED ELLIPSE™

1544 BK-LED ELLIPSE™



1558 BK-LED SHELL™

180° swiveling head allows for maximum flexibility. Can be used for wall wash applications.



1558 SC-LED SHELL™

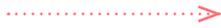
LED PATH & AREA LIGHTING: 12V

ITEM	NAME	FINISH	WIDTH	HEIGHT	CONSTRUCTION	GLASS OR LENS	LED ENGINE	LED WATTAGE	INCANDESCENT EQUIVALENCY	POWER SUPPLY REQUIREMENT
1502 BZ-LED	Contempo	Bronze	8"	26"	Cast Aluminum	Etched Opal Glass	E0036LED	2.1w	12w	3.2VA
1544 BK-LED	Ellipse	Black	5 3/4"	14 1/2", 20 1/2" Max.*	Cast Aluminum		IPL-30	2.3w	12w	3.9VA
1544 SC-LED	Ellipse	Southern Clay	5 3/4"	14 1/2", 20 1/2" Max.*	Cast Aluminum		IPL-30	2.3w	12w	3.9VA
1558 BK-LED	Shell	Black	6"	15 1/2", 21 1/2" Max.*	Cast Aluminum	Frosted Lens	IPL-30	2.3w	12w	3.9VA
1558 SC-LED	Shell	Southern Clay	6"	15 1/2", 21 1/2" Max.*	Cast Aluminum	Frosted Lens	IPL-30	2.3w	12w	3.9VA
1573 BK-LED	Saucer	Black	8"	15 1/2", 21 1/2" Max.*	Cast Aluminum		IPL-30	2.3w	12w	3.9VA
1573 SC-LED	Saucer	Southern Clay	8"	15 1/2", 21 1/2" Max.*	Cast Aluminum		IPL-30	2.3w	12w	3.9VA

*Measurement references maximum achievable height with stems included (1-6" and 1-12").

A wiring kit and ground spike (0014 BZ - see pg. 53) is supplied. For additional accessories, see page 53. For Transformers, see pages 54-55.

LED



INTEGRATED LED TIP:
SPACE PATH LIGHTS
12'-20' APART
(IPL ENGINE)



16004 MZ-LED
HARDY ISLAND
SM. TRADITIONAL LED
PATH LIGHT

16001 MZ-LED
HARDY ISLAND
LG. TRADITIONAL LED
PATH LIGHT

16010 MZ-LED
HARDY ISLAND
SM. HAMMERED LED
PATH LIGHT

16007 MZ-LED
HARDY ISLAND
LG. HAMMERED LED
PATH LIGHT

HARDY ISLAND LED PATH & AREA LIGHTING: 12V

ITEM	NAME	FINISH	WIDTH	HEIGHT	CONSTRUCTION	GLASS	LED ENGINE	LED WATTAGE	INCANDESCENT EQUIVALENCY	POWER SUPPLY REQUIREMENT
16001 MZ-LED	Lg. Traditional LED Path Light	Matte Bronze	7"	23½"	Cast Brass	Frosted Glass Dome	IPL-30	2.3w	20w	3.9VA
16004 MZ-LED	Sm. Traditional LED Path Light	Matte Bronze	7"	15½"	Cast Brass	Frosted Glass Dome	IPL-30	2.3w	20w	3.9VA
16007 MZ-LED	Lg. Hammered LED Path Light	Matte Bronze	6¾"	23½"	Cast Brass	Frosted Glass Dome	IPL-30	2.3w	20w	3.9VA
16010 MZ-LED	Sm. Hammered LED Path Light	Matte Bronze	6¾"	15½"	Cast Brass	Frosted Glass Dome	IPL-30	2.3w	20w	3.9VA

A wiring kit and ground spike (0014 BZ - see pg. 53) is supplied. For additional accessories, see page 53. For Transformers, see pages 54-55.



HARDY ISLAND™

NOW AVAILABLE IN LED

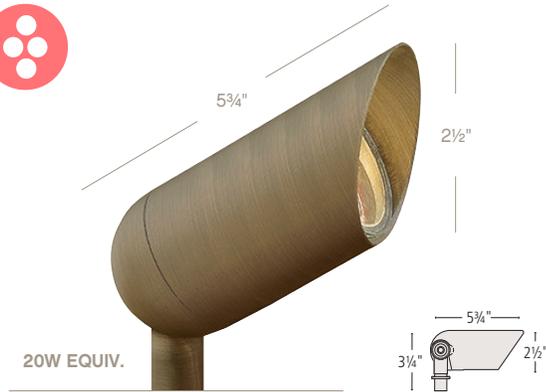
Named for the ruggedly beautiful island off the coast of British Columbia that bears its name, the Hardy Island™ collection is designed to withstand the harshest environments in style. Newly engineered with state of the art patent pending Hinkley LED technology, Hardy Island™ offers fully enclosed lamps, features a weathered brass finish that will mature naturally over time and is backed by an extended warranty.



HARDY ISLAND LED PATH & AREA LIGHTING: 12V

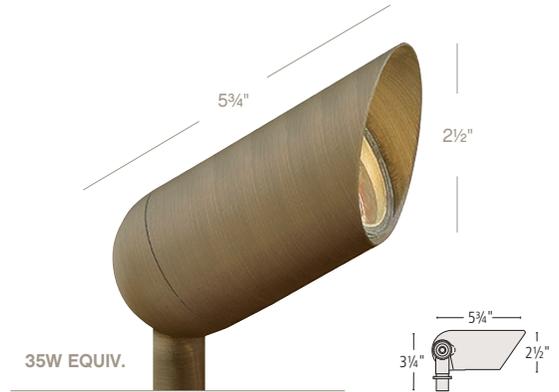
ITEM	NAME	FINISH	WIDTH	HEIGHT	CONSTRUCTION	GLASS	LED ENGINE	LED WATTAGE	INCANDESCENT EQUIVALENCY	POWER SUPPLY REQUIREMENT
16016 MZ-LED	Mini Classic LED Path Light	Matte Bronze	5 1/4"	15 1/2"	Cast Brass	Frosted Glass Dome	IPL-30	2.3w	20w	3.9VA
16019 MZ-LED	Lg. Classic LED Path Light	Matte Bronze	8"	24"	Cast Brass	Frosted Glass Dome	IPL-30	2.3w	20w	3.9VA
16022 MZ-LED	Sm. Classic LED Path Light	Matte Bronze	8"	16"	Cast Brass	Frosted Glass Dome	IPL-30	2.3w	20w	3.9VA

A wiring kit and ground spike (0014 BZ - see pg. 53) is supplied. For additional accessories, see page 53. For Transformers, see pages 54-55.



20W EQUIV.

1536 MZ-20LED30
HARDY ISLAND 3.5W LED 30°
SPOT LIGHT
1536 MZ-20LED60
HARDY ISLAND 3.5W LED 60°
SPOT LIGHT



35W EQUIV.

1536 MZ-LED30
HARDY ISLAND 4.2W LED 30°
SPOT LIGHT
1536 MZ-LED60
HARDY ISLAND 4.2W LED 60°
SPOT LIGHT



50W EQUIV.

16504 MZ-LED30
HARDY ISLAND 7W LED 30°
SPOT LIGHT
16504 MZ-LED60
HARDY ISLAND 7W LED 60°
SPOT LIGHT



HARDY ISLAND™

Constructed from solid cast brass in a weathered Matte Bronze finish, these fixtures are designed to withstand extreme climates.

HARDY ISLAND LED CAST BRASS SPOT LIGHTS: 12V

ITEM	NAME	FINISH	WIDTH	HEIGHT	LENGTH	CONSTRUCTION	GLASS LENS	LED ENGINE	LED WATTAGE	INCANDESCENT EQUIVALENCY	POWER SUPPLY REQUIREMENT
1536 MZ-20LED30	30° LED Spot Light	Matte Bronze	2 1/2" Dia. (shroud)	3 1/4"	5 3/4"	Cast Brass	Clear*	MR16-20LED30	3.5w	20w	5.8VA
1536 MZ-20LED60	60° LED Spot Light	Matte Bronze	2 1/2" Dia. (shroud)	3 1/4"	5 3/4"	Cast Brass	Clear*	MR16-20LED60	3.5w	20w	5.8VA
1536 MZ-LED30	30° LED Spot Light	Matte Bronze	2 1/2" Dia. (shroud)	3 1/4"	5 3/4"	Cast Brass	Clear*	MR16-30LED	4.2w	35w	7.0VA
1536 MZ-LED60	60° LED Spot Light	Matte Bronze	2 1/2" Dia. (shroud)	3 1/4"	5 3/4"	Cast Brass	Clear*	MR16-60LED	4.2w	35w	7.0VA
16504 MZ-LED30	30° LED Spot Light	Matte Bronze	4" Dia.	6"	8 3/4"	Cast Brass	Clear Tempered	E0054LED	7.0w	50w	10.6VA
16504 MZ-LED60	60° LED Spot Light	Matte Bronze	4" Dia.	6"	8 3/4"	Cast Brass	Clear Tempered	E0054LED	7.0w	50w	10.6VA

*Optional performance lenses available, see page 53.

A wiring kit and ground spike (0014 BZ - see pg. 53) is supplied. For additional accessories, see page 53. For Transformers, see pages 54-55.



4K LED = 4000 Kelvin Color Temperature

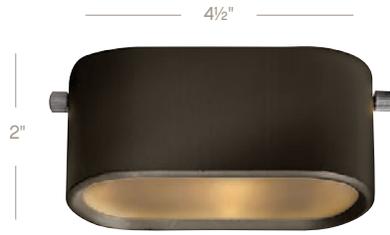
LED CAST ALUMINUM SPOT LIGHTS: 12V

ITEM	NAME	FINISH	WIDTH	HEIGHT	DEPTH	CONSTRUCTION	GLASS LENS	LED ENGINE	LED WATTAGE	INCANDESCENT EQUIVALENCY	POWER SUPPLY REQUIREMENT
1536 BZ-20LED30	30° LED Spot Light	Bronze	2 1/2" Dia. (shroud)	3 3/4"	5 3/4"	Cast Aluminum	Clear	MR16-20LED30	3.5w	20w	5.8VA
1536 BZ-20LED60	60° LED Spot Light	Bronze	2 1/2" Dia. (shroud)	3 3/4"	5 3/4"	Cast Aluminum	Clear	MR16-20LED60	3.5w	20w	5.8VA
1536 BZ-LED30	30° LED Spot Light	Bronze	2 1/2" Dia. (shroud)	3 3/4"	5 3/4"	Cast Aluminum	Clear	MR16-30LED	4.2w	35w	7.0VA
1536 BZ-LED60	60° LED Spot Light	Bronze	2 1/2" Dia. (shroud)	3 3/4"	5 3/4"	Cast Aluminum	Clear	MR16-60LED	4.2w	35w	7.0VA
1537 BZ-LED30	30° LED Spot Light	Bronze	3 3/4" Dia. (shroud)	6 1/2"	8 3/4"	Cast Aluminum	Clear Tempered	E0054LED	7.0w	50w	10.6VA
1537 BZ-LED60	60° LED Spot Light	Bronze	3 3/4" Dia. (shroud)	6 1/2"	8 3/4"	Cast Aluminum	Clear Tempered	E0054LED	7.0w	50w	10.6VA
1537 BZ-4KLED30	4K 30° LED Spot Light	Bronze	3 3/4" Dia. (shroud)	6 1/2"	8 3/4"	Cast Aluminum	Clear Tempered	E0054LED	7.0w	50w	10.6VA
1537 BZ-4KLED60	4K 60° LED Spot Light	Bronze	3 3/4" Dia. (shroud)	6 1/2"	8 3/4"	Cast Aluminum	Clear Tempered	E0054LED	7.0w	50w	10.6VA

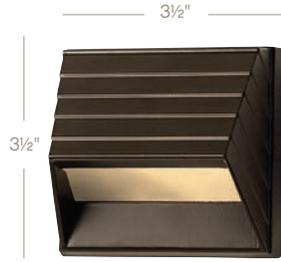
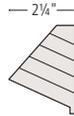
*Optional performance lenses available, see page 53.

A wiring kit and ground spike (0014 BZ - see pg. 53) is supplied. For additional accessories, see page 53. For Transformers, see pages 54-55.

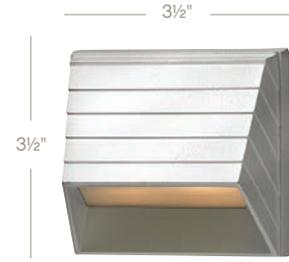
LED



1526 BZ-LED
LED UNDER BENCH LIGHT



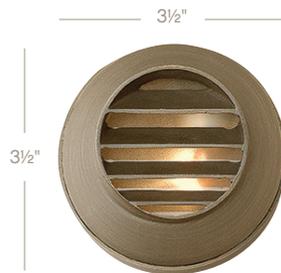
1524 BZ-LED
SQUARE LED
DECK SCONCE



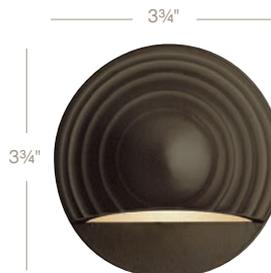
1524 MW-LED
SQUARE LED
DECK SCONCE



16801 MZ-LED
HARDY ISLAND ROUND
EYEBROW LED DECK SCONCE



16804 MZ-LED
HARDY ISLAND ROUND
LOUVERED LED DECK SCONCE



1549 BZ-LED
ROUND EYEBROW
LED DECK SCONCE



1549 MW-LED
ROUND EYEBROW
LED DECK SCONCE

HARDYISLAND™

Constructed from solid cast brass in a weathered Matte Bronze finish, these fixtures are designed to withstand extreme climates.

LED DECK LIGHTS: 12V

ITEM	NAME	FINISH	WIDTH	HEIGHT	DEPTH	CONSTRUCTION	GLASS LENS	LED ENGINE	LED WATTAGE	INCANDESCENT EQUIVALENCY	POWER SUPPLY REQUIREMENT
1524 BZ-LED 1524 MW-LED	Square LED Deck Sconce	Bronze Matte White	3 1/2"	3 1/2"	2 1/4"	Cast Aluminum	Frosted	E5050LED	1.5w	12w	2.4VA
1526 BZ-LED	LED Under Bench Light	Bronze	4 1/2"	2"	2"	Cast Aluminum	Frosted	E5050LED	1.5w	12w	2.4VA
1549 BZ-LED 1549 MW-LED	Round Eyebrow LED Deck Sconce	Bronze Matte White	3 3/4" Dia.	3 3/4"	2"	Cast Aluminum	Frosted	E5050LED	1.5w	12w	2.4VA
16801 MZ-LED	Round Eyebrow LED Deck Sconce	Matte Bronze	3 1/2" Dia.	3 1/2"	2"	Cast Brass	Frosted	E5050LED	1.5w	12w	2.4VA
16804 MZ-LED	Round Louvered LED Deck Sconce	Matte Bronze	3 1/2" Dia.	3 1/2"	2"	Cast Brass	Frosted	E5050LED	1.5w	12w	2.4VA

A wiring kit is supplied. For accessories, see page 53. For Transformers, see pages 54-55.



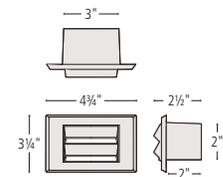
1542 MZ-LED
HARDY ISLAND VERTICAL
LED DECK LIGHT



1546 MZ-LED
HARDY ISLAND HORIZONTAL
LED DECK LIGHT



1546 BZ-LED
HORIZONTAL
LED DECK LIGHT



1542 BZ-LED
VERTICAL LED
DECK LIGHT



1546 CO-LED
COPPER HORIZONTAL
LED DECK LIGHT

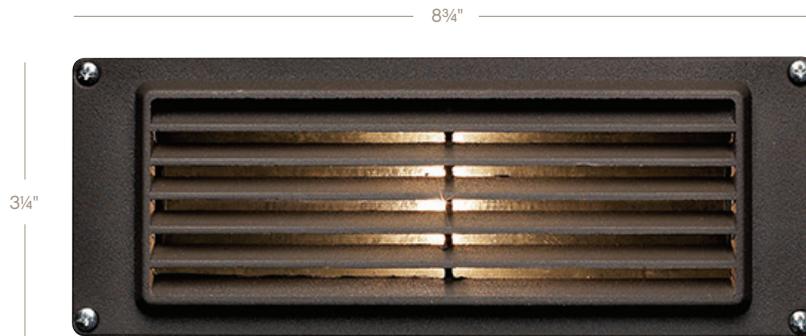


COASTAL SERIES
Constructed from copper and brass, these fixtures are designed to withstand extreme climates.

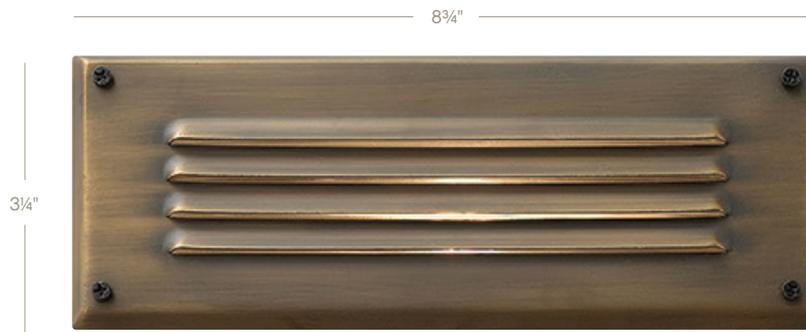
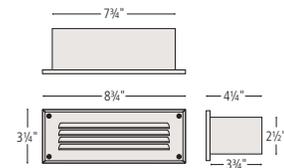
LED DECK LIGHTS: 12V

ITEM	NAME	FINISH	WIDTH	HEIGHT	DEPTH	CONSTRUCTION	GLASS LENS	LED ENGINE	LED WATTAGE	INCANDESCENT EQUIVALENCY	POWER SUPPLY REQUIREMENT
1542 BZ-LED	Vertical LED Deck Light	Bronze	3" (face) 2" (housing)	4 3/4" (face) 3" (housing)	1/2" (face) 2" (housing)	Cast Aluminum	Frosted	E5050LED	1.5w	12w	2.4VA
1542 MZ-LED	Vertical LED Deck Light	Matte Bronze	3 1/4" (face) 2" (housing)	4 3/4" (face) 3" (housing)	1/2" (face) 2" (housing)	Aluminum Housing Cast Brass Faceplate	Frosted	E5050LED	1.5w	12w	2.4VA
1546 BZ-LED	Horizontal LED Deck Light	Bronze	4 3/4" (face) 3" (housing)	3" (face) 2" (housing)	1/2" (face) 2" (housing)	Cast Aluminum	Frosted	E5050LED	1.5w	12w	2.4VA
1546 CO-LED	Copper Horizontal LED Deck Light	Copper	4 3/4" (face) 3" (housing)	3 1/4" (face) 2" (housing)	1/2" (face) 2" (housing)	Aluminum Housing Solid Copper Faceplate	Frosted	E5050LED	1.5w	12w	2.4VA
1546 MZ-LED	Horizontal LED Deck Light	Matte Bronze	4 3/4" (face) 3" (housing)	3 1/4" (face) 2" (housing)	1/2" (face) 2" (housing)	Aluminum Housing Cast Brass Faceplate	Frosted	E5050LED	1.5w	12w	2.4VA

A wiring kit is supplied. For accessories, see page 53. For Transformers, see pages 54-55.



1594 BZ-LED
LOUVERED LED BRICK LIGHT



1594 MZ-LED
HARDY ISLAND
LOUVERED LED BRICK LIGHT



HARDY ISLAND™

Constructed from solid cast brass in a weathered Matte Bronze finish, these fixtures are designed to withstand extreme climates.

LED STEP & BRICK LIGHTS: 12V

ITEM	NAME	FINISH	WIDTH	HEIGHT	DEPTH	CONSTRUCTION	GLASS LENS	LED ENGINE	LED WATTAGE	INCANDESCENT EQUIVALENCY	POWER SUPPLY REQUIREMENT
1594 BZ-LED	Louvered LED Brick Light	Bronze	8 3/4" (face) 7 3/4" (housing)	3 1/4" (face) 2 1/2" (housing)	1/2" (face) 3 3/4" (housing)	Galvanized Steel Housing Cast Aluminum Faceplate	Clear	E0036LED	2.1w	18w	3.2VA
1594 MZ-LED	Louvered LED Brick Light	Matte Bronze	8 3/4" (face) 7 3/4" (housing)	3 1/4" (face) 2 1/2" (housing)	1/2" (face) 3 3/4" (housing)	Galvanized Steel Housing Solid Brass Faceplate	Clear	E0036LED	2.1w	18w	3.2VA

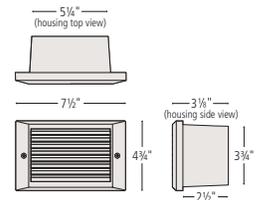
A wiring kit is supplied. For accessories, see page 53. For Transformers, see pages 54-55.



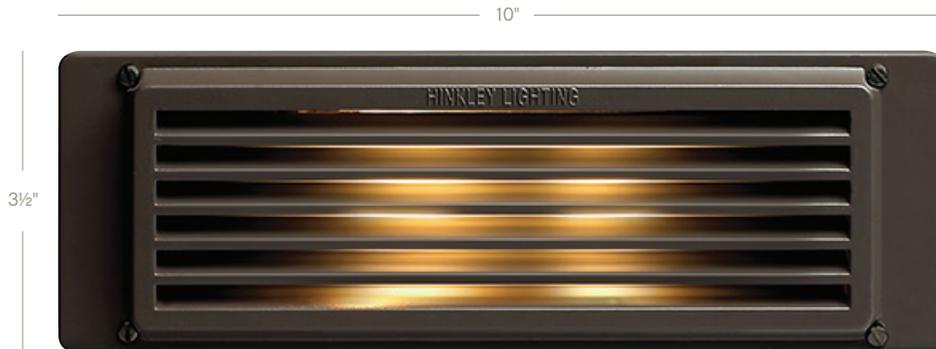
54000 BZ-LED30
120V 7W 30° LED SPOT LIGHT
54000 BZ-LED60
120V 7W 60° LED SPOT LIGHT



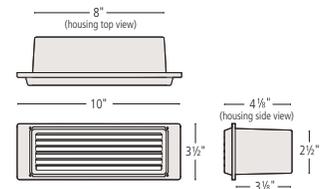
58015 BZ-LED
120V 2.0W LED STEP LIGHT



120V



59024 BZ-LED
120V 2.7W LED BRICK LIGHT



LED LANDSCAPE LIGHTING: 120V

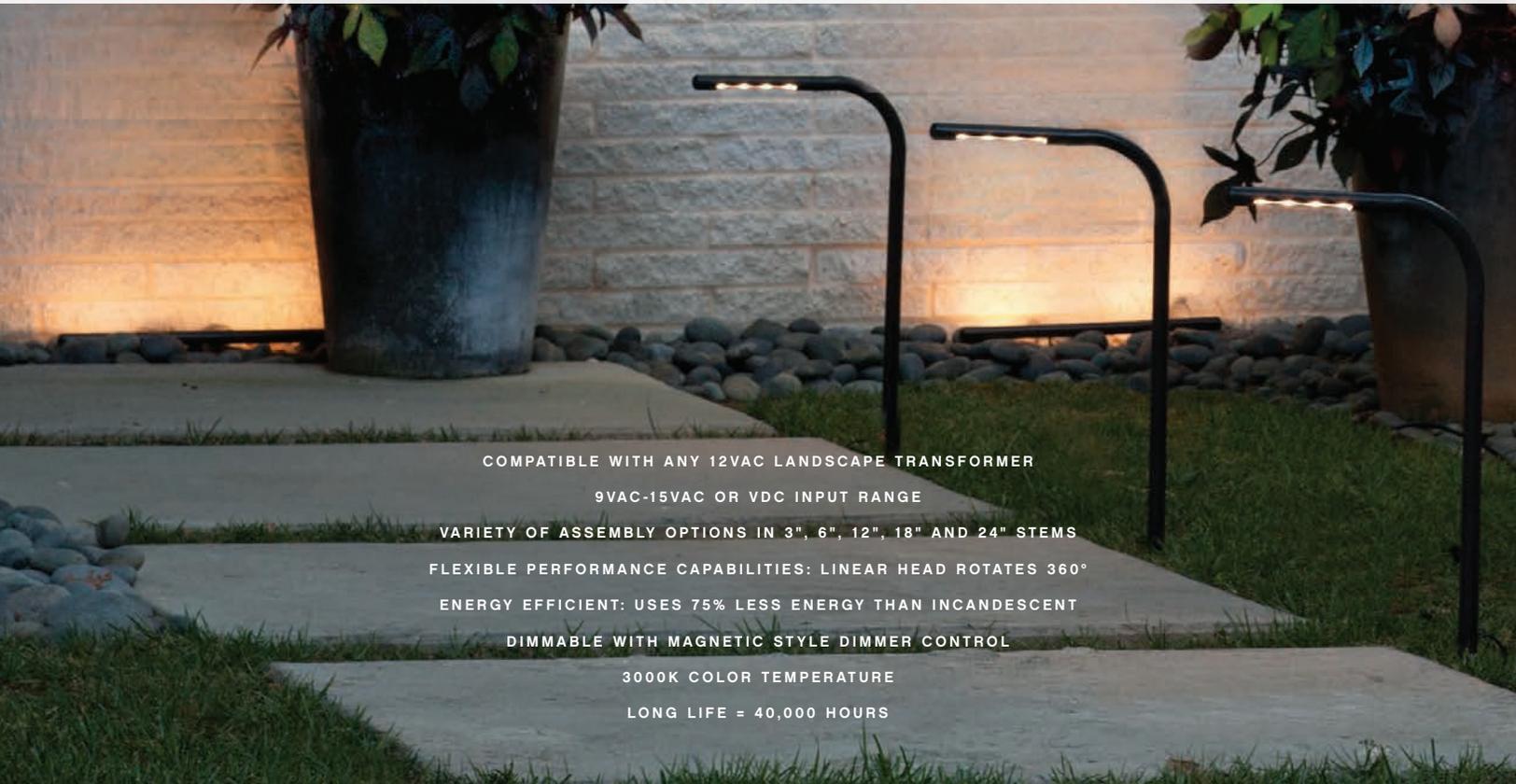
ITEM	NAME	FINISH	WIDTH	HEIGHT	DEPTH	CONSTRUCTION	GLASS LENS	LED ENGINE	LED WATTAGE
54000 BZ-LED30	120v 30° LED Spot Light	Bronze	3 3/4" Dia. (shroud)	6 1/2"	8 3/4"	Cast Aluminum	Clear Tempered*	E0055LED	7w
54000 BZ-LED60	120v 60° LED Spot Light	Bronze	3 3/4" Dia. (shroud)	6 1/2"	8 3/4"	Cast Aluminum	Clear Tempered*	E0055LED	7w
58015 BZ-LED	120v LED Step Light	Bronze	7 1/2" (face) 5 1/4" (housing)	4 3/4" (face) 3 3/4" (housing)	5 5/8" (face) 2 1/2" (housing)	Cast Aluminum	Etched	E0038LED	2.0w
59024 BZ-LED	120v LED Brick Light	Bronze	10" (face) 8" (housing)	3 1/2" (face) 2 1/2" (housing)	1" (face) 3 1/8" (housing)	Cast Aluminum	Etched	E0037LED	2.7w

*Optional performance lenses available, see page 53.
A wiring kit is supplied. For 120v accessories, see page 67.



NEXUS

THIS CLEAN, CONTEMPORARY ENERGY SAVING SYSTEM UTILIZES THE LATEST LED TECHNOLOGY TO COMPLETE ALL OF YOUR LANDSCAPE LIGHTING NEEDS WHILE COMPLEMENTING YOUR CAREFULLY DESIGNED RESIDENTIAL AND COMMERCIAL LIGHTING INSTALLATIONS.



COMPATIBLE WITH ANY 12VAC LANDSCAPE TRANSFORMER

9VAC-15VAC OR VDC INPUT RANGE

VARIETY OF ASSEMBLY OPTIONS IN 3", 6", 12", 18" AND 24" STEMS

FLEXIBLE PERFORMANCE CAPABILITIES: LINEAR HEAD ROTATES 360°

ENERGY EFFICIENT: USES 75% LESS ENERGY THAN INCANDESCENT

DIMMABLE WITH MAGNETIC STYLE DIMMER CONTROL

3000K COLOR TEMPERATURE

LONG LIFE = 40,000 HOURS

ALL NEXUS FIXTURES ARE **DIMMABLE**



LINEAR HEAD ROTATES 360° FOR
PRECISE ADJUSTMENTS

LED

ITEM	15476 BZ
NAME	LARGE T-CONNECTOR
FINISH	BRONZE
WIDTH	32"
HEIGHT	2½"
TUBE DIAMETER	1"
CONSTRUCTION	ALUMINUM
LENS	POLYCARBONATE
LED WATTAGE	(2) 8.5W LED
VA	12.4
LUMENS	920
INCANDESCENT EQUIVALENCY	75w

LARGE T-CONNECTOR
15476 BZ
SHOWN WITH 18" STEM

THE T-CONNECTOR



ITEM	15472 BZ
NAME	SMALL T-CONNECTOR
FINISH	BRONZE
WIDTH	19½"
HEIGHT	2½"
TUBE DIAMETER	1"
CONSTRUCTION	ALUMINUM
LENS	POLYCARBONATE
LED WATTAGE	(2) 4.5W LED
VA	6.8
LUMENS	470
INCANDESCENT EQUIVALENCY	50w

SMALL T-CONNECTOR
15472 BZ
SHOWN WITH 6" STEM

3", 6", 12" 18" and 24" STEMS ARE
AVAILABLE TO ACHIEVE ALMOST
ANY LIGHTING APPLICATION.

SEE PAGE 29.

A wiring kit and ground spike is supplied.
For additional accessories, see page 53.

ALL NEXUS FIXTURES ARE **DIMMABLE**

LED

LINEAR HEAD ROTATES
360° FOR PRECISE
ADJUSTMENTS

180° SWIVELING HEAD

SMALL SWIVEL
15479 BZ

ITEM	15479 BZ
NAME	SMALL SWIVEL
FINISH	BRONZE
WIDTH	1", 9 ³ / ₄ " MAX.
HEIGHT	2 ¹ / ₄ ", 11 ³ / ₄ " MAX.
TUBE DIAMETER	1"
CONSTRUCTION	ALUMINUM
LENS	POLYCARBONATE
LED WATTAGE	(1) 4.5W LED
VA	6.8
LUMENS	235
INCANDESCENT EQUIVALENCY	20w

THE SWIVEL

LARGE SWIVEL
15483 BZ

ITEM	15483 BZ
NAME	LARGE SWIVEL
FINISH	BRONZE
WIDTH	1", 15 ³ / ₄ " MAX.
HEIGHT	2 ¹ / ₄ ", 17 ³ / ₄ " MAX.
TUBE DIAMETER	1"
CONSTRUCTION	ALUMINUM
LENS	POLYCARBONATE
LED WATTAGE	(1) 8.5W LED
VA	12.4
LUMENS	460
INCANDESCENT EQUIVALENCY	35w

3", 6", 12" 18" and 24" STEMS ARE
AVAILABLE TO ACHIEVE ALMOST
ANY LIGHTING APPLICATION.

SEE PAGE 29.

A wiring kit and ground spike is supplied.
For additional accessories, see page 53.

ALL NEXUS FIXTURES ARE **DIMMABLE**



**LARGE PATH LIGHT
15475 BZ**

INCLUDES 24" STEM

LINEAR HEAD ROTATES 360° FOR
PRECISE ADJUSTMENTS

LED

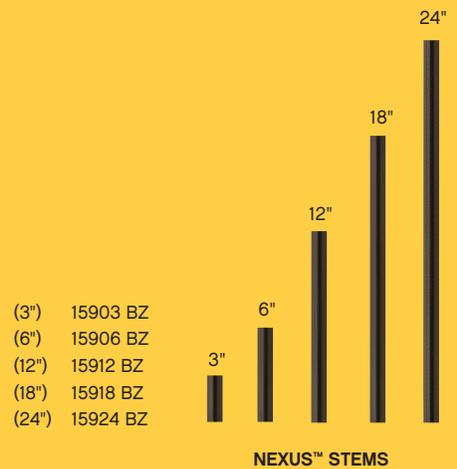
ITEM	15471 BZ
NAME	SMALL PATH LIGHT
FINISH	BRONZE
WIDTH	14½"
HEIGHT	7"
TUBE DIAMETER	1"
CONSTRUCTION	ALUMINUM
LENS	POLYCARBONATE
LED WATTAGE	(1) 4.5W LED
VA	6.8
LUMENS	235
INCANDESCENT EQUIVALENCY	20w

**SMALL PATH LIGHT
15471 BZ**

INCLUDES 18" STEM

THE PATH LIGHT

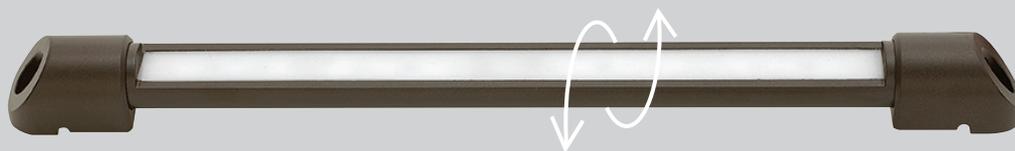
ITEM	15475 BZ
NAME	LARGE PATH LIGHT
FINISH	BRONZE
WIDTH	19½"
HEIGHT	7"
TUBE DIAMETER	1"
CONSTRUCTION	ALUMINUM
LENS	POLYCARBONATE
LED WATTAGE	(1) 8.5W LED
VA	12.4
LUMENS	460
INCANDESCENT EQUIVALENCY	35w



A wiring kit and ground spike is supplied.
For additional accessories, see page 53.

ALL NEXUS FIXTURES ARE **DIMMABLE**

LINEAR HEAD ROTATES 360° FOR
PRECISE ADJUSTMENTS



LED

**LARGE HARDSCAPE
DECK LIGHT
15442 BZ**



ITEM	15442 BZ
NAME	LARGE HARDSCAPE DECK LIGHT
FINISH	BRONZE
WIDTH	15½"
HEIGHT	1¾"
BRACKET DEPTH	3½"
CONSTRUCTION	ALUMINUM
LENS	POLYCARBONATE
LED WATTAGE	(1) 8.5W LED
LUMENS	460
INCANDESCENT EQUIVALENCY	35W

THE HARDSCAPE LIGHT

**SMALL HARDSCAPE
DECK LIGHT
15440 BZ**



ITEM	15440 BZ
NAME	SMALL HARDSCAPE DECK LIGHT
FINISH	BRONZE
WIDTH	9½"
HEIGHT	1¾"
BRACKET DEPTH	3½"
CONSTRUCTION	ALUMINUM
LENS	POLYCARBONATE
LED WATTAGE	(1) 4.5W LED
LUMENS	235
INCANDESCENT EQUIVALENCY	20W



A wiring kit and ground spike is supplied.
For additional accessories, see page 53.

ALL NEXUS FIXTURES ARE **DIMMABLE**

ITEM	15450 BZ	15452 BZ
NAME	SMALL T SIGN LIGHT KIT	LARGE T SIGN LIGHT KIT
FINISH	BRONZE	BRONZE
WIDTH	19½"	31½"
HEIGHT	5"	5"
TUBE DIAMETER	1"	1"
CONSTRUCTION	ALUMINUM	ALUMINUM
LENS	POLYCARBONATE	POLYCARBONATE
LED WATTAGE	(2) 4.5W LED	(2) 8.5W LED
LUMENS	470	920
INCANDESCENT EQUIVALENCY	50W	75W



SMALL T SIGN LIGHT KIT
15450 BZ

LED
120V

LINEAR HEAD ROTATES 360° FOR
PRECISE ADJUSTMENTS



LARGE T SIGN LIGHT KIT
15452 BZ

THE
KIT



+ ELECTRONIC TRANSFORMER + JUNCTION BOX COVER
+ LIGHT ENGINE + 3" & 6" STEMS



SMALL SWIVEL
SIGN LIGHT KIT
15456 BZ

THE SIGN LIGHT

ITEM	15456 BZ	15458 BZ
NAME	SMALL SWIVEL SIGN LIGHT KIT	LARGE SWIVEL SIGN LIGHT KIT
FINISH	BRONZE	BRONZE
WIDTH	10½"	16½"
HEIGHT	5"	5"
TUBE DIAMETER	1"	1"
CONSTRUCTION	ALUMINUM	ALUMINUM
LENS	POLYCARBONATE	POLYCARBONATE
LED WATTAGE	(1) 4.5W LED	(1) 8.5W LED
LUMENS	235	460
INCANDESCENT EQUIVALENCY	20W	35W



ROTATES 360°

LARGE SWIVEL
SIGN LIGHT KIT
15458 BZ



HARDY ISLAND

THIS HEAVY DUTY SOLID CAST BRASS COLLECTION IS A STRIKING COLLABORATION OF FORM AND FUNCTION. NAMED FOR THE RUGGEDLY BEAUTIFUL ISLAND OFF THE COAST OF BRITISH COLUMBIA THAT BEARS ITS NAME, HARDY ISLAND™ IS DESIGNED TO WITHSTAND THE HARSHTEST ENVIRONMENTS IN STYLE. HARDY ISLAND™ OFFERS FULLY ENCLOSED LAMPS, FEATURES A WEATHERED BRASS FINISH THAT WILL MATURE NATURALLY OVER TIME AND IS BACKED BY AN EXTENDED WARRANTY.





HARDY ISLAND™



16004 MZ
HARDY ISLAND
SM. TRADITIONAL
PATH LIGHT


Integrated LED
Option Available
See Page 18

16001 MZ
HARDY ISLAND
LG. TRADITIONAL
PATH LIGHT


Integrated LED
Option Available
See Page 18

16010 MZ
HARDY ISLAND
SM. HAMMERED
PATH LIGHT


Integrated LED
Option Available
See Page 18

16007 MZ
HARDY ISLAND
LG. HAMMERED
PATH LIGHT


Integrated LED
Option Available
See Page 18

HARDY ISLAND CAST BRASS PATH LIGHTING: 12V

ITEM	NAME	FINISH	WIDTH	HEIGHT	CONSTRUCTION	GLASS	LAMP INCLUDED	BULB FOR LED CONVERSION SEE PAGE 56
16001 MZ	Lg. Traditional Path Light	Matte Bronze	7"	23½"	Cast Brass	Frosted Glass Dome	T3 (20w)	00T3-LED
16004 MZ	Sm. Traditional Path Light	Matte Bronze	7"	15½"	Cast Brass	Frosted Glass Dome	T3 (20w)	00T3-LED
16007 MZ	Lg. Hammered Path Light	Matte Bronze	6¾"	23½"	Cast Brass	Frosted Glass Dome	T3 (20w)	00T3-LED
16010 MZ	Sm. Hammered Path Light	Matte Bronze	6¾"	15½"	Cast Brass	Frosted Glass Dome	T3 (20w)	00T3-LED

A wiring kit and ground spike (0014 BZ - see pg. 53) is supplied. For additional accessories, see page 53. For Transformers, see pages 54-55.



HARDY ISLAND CAST BRASS PATH LIGHTING: 12V

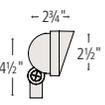
ITEM	NAME	FINISH	WIDTH	HEIGHT	CONSTRUCTION	GLASS OR LENS	LAMP INCLUDED	BULB FOR LED CONVERSION SEE PAGE 56
16016 MZ	Mini Classic Path Light	Matte Bronze	5¼"	15½"	Cast Brass	Frosted Glass Dome	T3 (20w)	00T3-LED
16019 MZ	Lg. Classic Path Light	Matte Bronze	8"	24"	Cast Brass	Frosted Glass Dome	T3 (20w)	00T3-LED
16022 MZ	Sm. Classic Path Light	Matte Bronze	8"	16"	Cast Brass	Frosted Glass Dome	T3 (20w)	00T3-LED
16050 MZ	Sm. Standard Path Light	Matte Bronze	4½"	15"	Cast Brass	Frosted Acrylic Lens	T3 (20w)	00T3-LED
16055 MZ	Lg. Standard Path Light	Matte Bronze	6½"	22"	Cast Brass	Frosted Acrylic Lens	T3 (20w)	00T3-LED

A wiring kit and ground spike (0014 BZ - see pg. 53) is supplied. For additional accessories, see page 53. For Transformers, see pages 54-55.

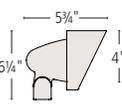
HARDY ISLAND SPOT LIGHTS & ACCESSORIES



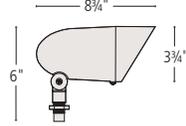
16571 MZ
HARDY ISLAND
SM. WALL WASH
SPOT LIGHT



16574 MZ
HARDY ISLAND
LG. WALL WASH
SPOT LIGHT

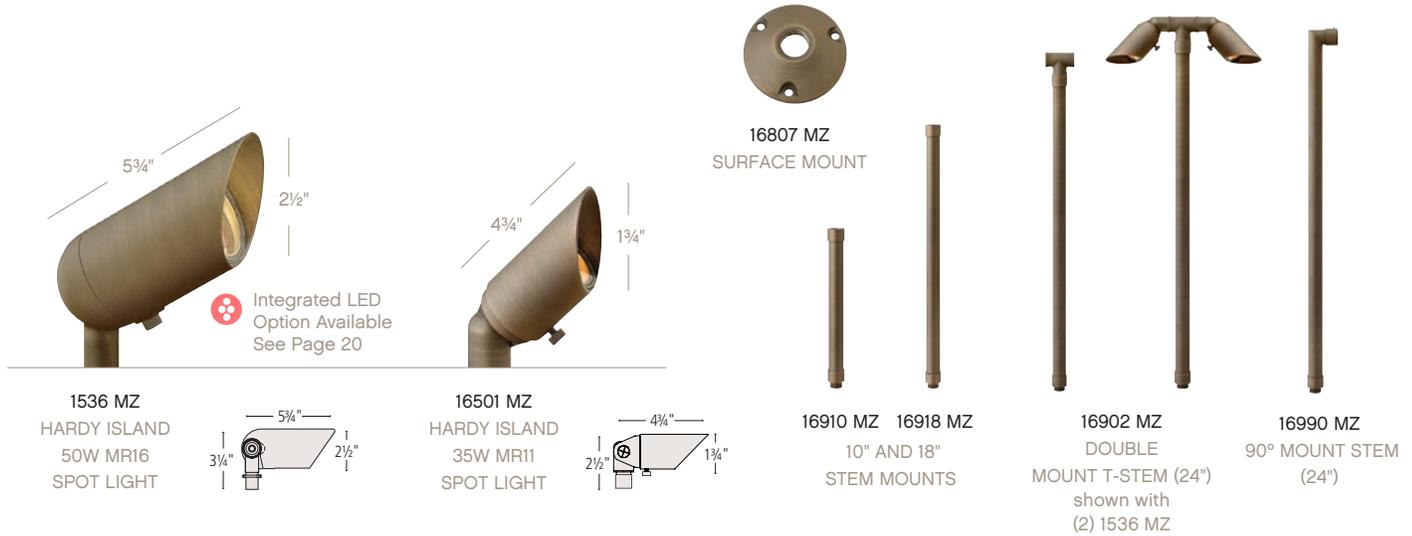


16504 MZ
HARDY ISLAND
75W MR16
SPOT LIGHT

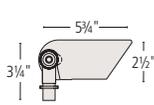


SPOT LIGHT ACCESSORIES

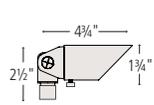
Combine Hardy Island™ spot lights with stem accessories for maximum flexibility.



1536 MZ
HARDY ISLAND
50W MR16
SPOT LIGHT



16501 MZ
HARDY ISLAND
35W MR11
SPOT LIGHT



16807 MZ
SURFACE MOUNT

16910 MZ 16918 MZ
10" AND 18"
STEM MOUNTS

16902 MZ
DOUBLE
MOUNT T-STEM (24")
shown with
(2) 1536 MZ

16990 MZ
90° MOUNT STEM
(24")

HARDY ISLAND CAST BRASS SPOT LIGHTS: 12V

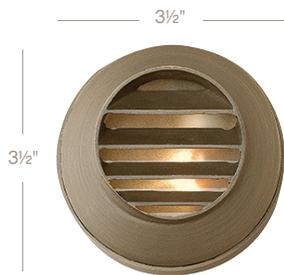
ITEM	NAME	FINISH	WIDTH/DIA	HEIGHT	LENGTH	CONSTRUCTION	GLASS LENS	LAMP Not Included	BULB FOR LED CONVERSION SEE PAGE 56
1536 MZ	50w MR16 Spot Light	Matte Bronze	2 1/2" Dia.	3 3/4"	5 3/4"	Cast Brass	Clear*	MR16 Up to 50w	MR16-LED
16501 MZ	35w MR11 Spot Light	Matte Bronze	1 3/4" Dia.	2 1/2"	4 3/4"	Cast Brass	Clear Tempered	MR11 Up to 35w	
16504 MZ	MR16 Spot Light	Matte Bronze	4" Dia.	6"	8 3/4"	Cast Brass	Clear Tempered	MR16 Up to 75w	MR16-LED
16571 MZ	Sm. Wall Wash Spot Light	Matte Bronze	2 1/2" Dia.	4 1/2"	2 3/4"	Cast Brass	Frosted	T4 Up to 35w	00T3-LED
16574 MZ	Lg. Wall Wash Spot Light	Matte Bronze	4" Dia.	6 1/4"	5 3/4"	Cast Brass	Frosted	T4 Up to 50w	
16807 MZ	Surface Mount	Matte Bronze	2 3/4" Dia.	1 1/4"		Cast Brass			
16902 MZ	Double Mount T-Stem	Matte Bronze	1" Dia.	24 3/4"		Cast Brass			
16910 MZ	10" Stem Mount	Matte Bronze	1" Dia.	10"		Cast Brass			
16918 MZ	18" Stem Mount	Matte Bronze	1" Dia.	18"		Cast Brass			
16990 MZ	90° Mount Stem	Matte Bronze	1" Dia.	24 3/4"		Cast Brass			

*Optional lenses available, see page 53.
A wiring kit and ground spike (0014 BZ - see pg. 53) is supplied. For additional accessories, see page 53. For Transformers, see pages 54-55.



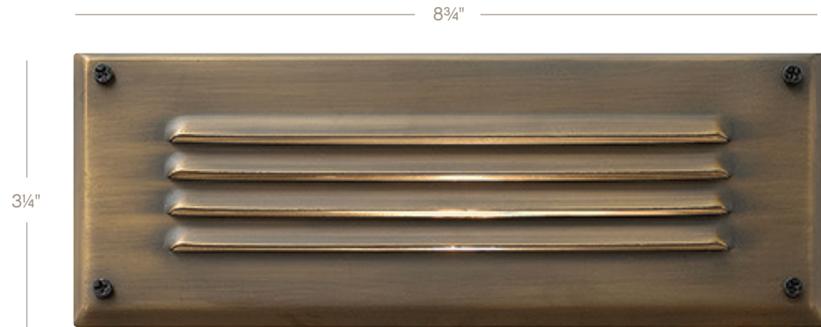
16801 MZ
HARDY ISLAND
ROUND EYEBROW
DECK SCONCE

Integrated LED
Option Available
See Page 22



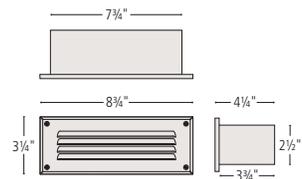
16804 MZ
HARDY ISLAND
ROUND LOUVERED
DECK SCONCE

Integrated LED
Option Available
See Page 22



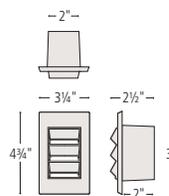
1594 MZ
HARDY ISLAND
LOUVERED LED
BRICK LIGHT

Integrated LED
Option Available
See Page 24



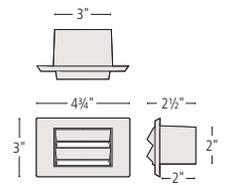
1542 MZ
HARDY ISLAND
VERTICAL
DECK LIGHT

Integrated LED
Option Available
See Page 23



1546 MZ
HARDY ISLAND
HORIZONTAL
DECK LIGHT

Integrated LED
Option Available
See Page 23



HARDY ISLAND CAST BRASS DECK & STEP LIGHTS: 12V

ITEM	NAME	FINISH	WIDTH	HEIGHT	DEPTH	CONSTRUCTION	GLASS LENS	LAMP INCLUDED	BULB FOR LED CONVERSION SEE PAGE 56
1542 MZ	Vertical Deck Light	Matte Bronze	3 1/4" (face) 2" (housing)	4 3/4" (face) 3" (housing)	1/2" (face) 2" (housing)	Cast Aluminum Housing Cast Brass Faceplate	Frosted	912 (12w)	00T5-LED
1546 MZ	Horizontal Deck Light	Matte Bronze	4 3/4" (face) 3" (housing)	3 1/4" (face) 2" (housing)	1/2" (face) 2" (housing)	Cast Aluminum Housing Cast Brass Faceplate	Frosted	912 (12w)	00T5-LED
1594 MZ	Louvered Brick Light	Matte Bronze	8 3/4" (face) 7 3/4" (housing)	3 1/4" (face) 2 1/2" (housing)	1/2" (face) 3 3/4" (housing)	Galvanized Steel Housing Cast Brass Faceplate	Clear	912 (12w)	00T5-LED
16801 MZ	Round Eyebrow Deck Sconce	Matte Bronze	3 1/2" Dia.	3 1/2"	2"	Cast Aluminum Housing Cast Brass Faceplate	Frosted	T3 (20w)	
16804 MZ	Round Louvered Deck Sconce	Matte Bronze	3 1/2" Dia.	3 1/2"	2"	Cast Aluminum Housing Cast Brass Faceplate	Frosted	T3 (20w)	

A wiring kit is supplied. For accessories, see page 53. For Transformers, see pages 54-55.

HARDY ISLAND WELL LIGHTS



2 3/4"
3 3/4"
3 3/4"
1/2"
16701 MZ
HARDY ISLAND
FLAT TOP WELL LIGHT



2 3/4"
3 3/4"
4"
1/2"
16704 MZ
HARDY ISLAND
GRILL TOP WELL LIGHT



Well lights come with an easy installation, anti-corrosion PVC burial sleeve. (Can install into concrete)



2 3/4"
3 3/4"
4 1/4"
1/2"
16710 MZ
HARDY ISLAND
DIRECTIONAL WELL LIGHT



2 3/4"
3 3/4"
4 3/4"
1/2"
16707 MZ
HARDY ISLAND
EYEBROW WELL LIGHT

HARDY ISLAND CAST WELL LIGHTS: 12V

ITEM	NAME	FINISH	WIDTH/DIA	HEIGHT	CONSTRUCTION	GLASS LENS	LAMP Not Included	BULB FOR LED CONVERSION SEE PAGE 56
16701 MZ	Flat Top Well Light	Matte Bronze	3 3/4" Dia.	3 3/4"	Cast Brass	Clear Tempered	MR16 Up to 20w	MR16-LED
16704 MZ	Grill Top Well Light	Matte Bronze	3 3/4" Dia.	4"	Cast Brass	Clear Tempered	MR16 Up to 20w	MR16-LED
16707 MZ	Eyebrow Well Light	Matte Bronze	3 3/4" Dia.	4 3/4"	Cast Brass	Frosted Tempered	MR16 or T3 Up to 20w	00T3-LED
16710 MZ	Directional Well Light	Matte Bronze	3 3/4" Dia.	4 1/4"	Cast Brass	Clear Tempered	MR16 or T3 Up to 20w	00T3-LED

A wiring kit is supplied. For accessories, see page 53. For Transformers, see pages 54-55.



12V LANDSCAPE LIGHTING

CONSIDER ALL ASPECTS OF YOUR EXTERIOR WHEN DESIGNING A LIGHTING PLAN. WHEN DONE RIGHT, YOUR LANDSCAPE LIGHTING WILL COMBINE FORM AND FUNCTION, MAKING YOUR HOME SAFER AND MORE BEAUTIFUL. FOUR IMPORTANT AREAS TO CONSIDER INCLUDE PATH, DECK, ACCENT AND STEP & BRICK. HINKLEY HAS A BOUNTY OF OPTIONS TO ACHIEVE ANY APPLICATION.





1518 BZ
ATLANTIS™

 Integrated LED
Option Available
See Page 15



1518 HE
ATLANTIS™

 Integrated LED
Option Available
See Page 15



1518 TT
ATLANTIS™

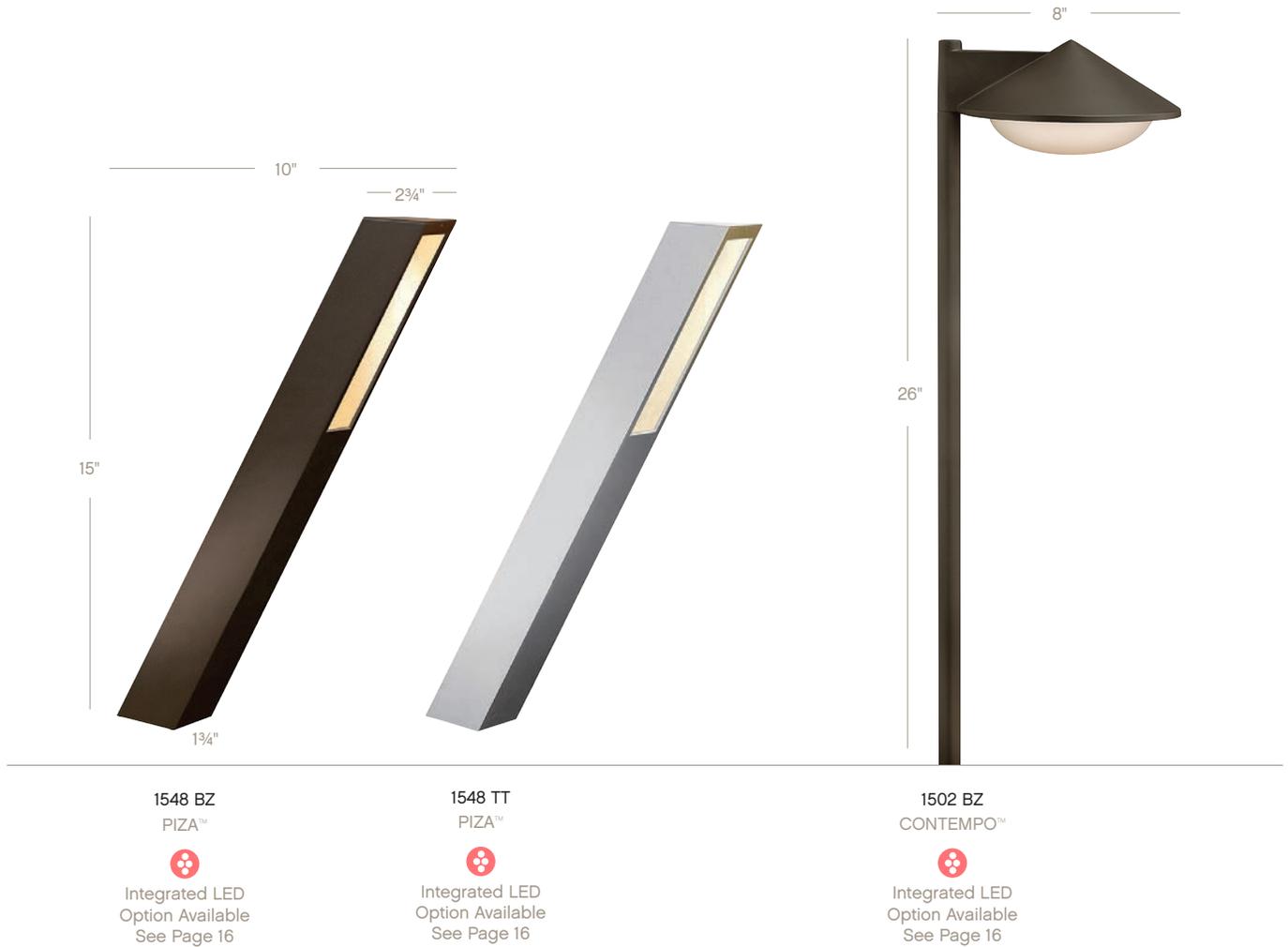
 Integrated LED
Option Available
See Page 15

PATH & AREA LIGHTING: 12V

ITEM	NAME	FINISH	WIDTH	HEIGHT	CONSTRUCTION	GLASS LENS	LAMP INCLUDED	BULB FOR LED CONVERSION SEE PAGE 56
1518 BZ	Atlantis	Bronze	6 1/2" (side) 1 3/4" (face)	22" 2 1/2" (face)	Aluminum	Etched	T3 (20w)	00T3-LED
1518 HE	Atlantis	Hematite	6 1/2" (side) 1 3/4" (face)	22" 2 1/2" (face)	Aluminum	Etched	T3 (20w)	00T3-LED
1518 TT	Atlantis	Titanium	6 1/2" (side) 1 3/4" (face)	22" 2 1/2" (face)	Aluminum	Etched	T3 (20w)	00T3-LED

A wiring kit and ground spike (0014 BZ - see pg. 53) is supplied. For additional accessories, see page 53. For Transformers, see pages 54-55.

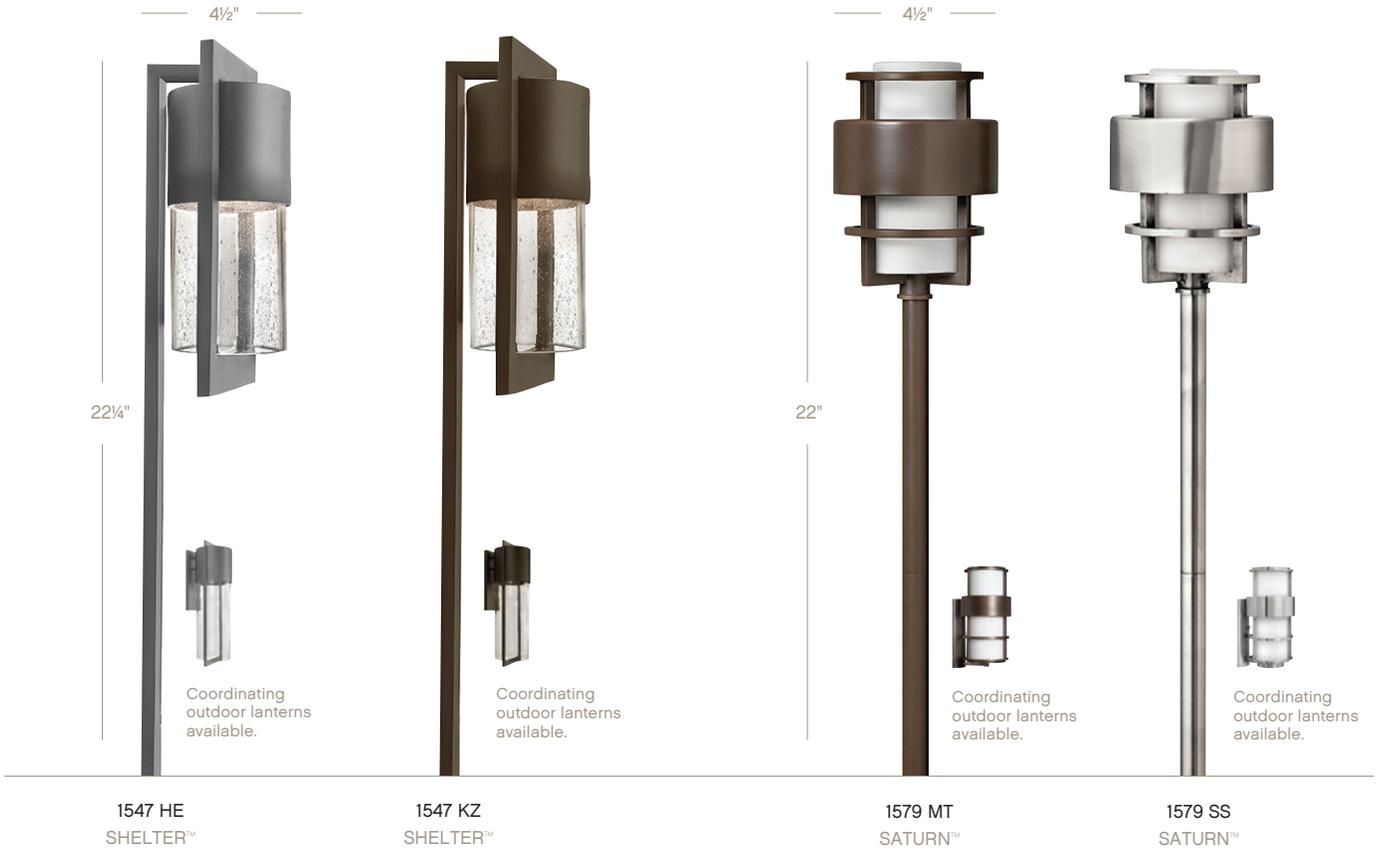
PATH & AREA LIGHTING



PATH & AREA LIGHTING: 12V

ITEM	NAME	FINISH	WIDTH	HEIGHT	CONSTRUCTION	GLASS OR LENS	LAMP INCLUDED	BULB FOR LED CONVERSION SEE PAGE 56
1548 BZ	Piza	Bronze	2 3/4" (side) 1 3/4" (face) 10" (total ext.)	15"	Aluminum	Etched Glass Lens	921 (18w)	00T3-LED
1548 TT	Piza	Titanium	2 3/4" (side) 1 3/4" (face) 10" (total ext.)	15"	Aluminum	Etched Glass Lens	921 (18w)	00T3-LED
1502 BZ	Contempo	Bronze	8"	26"	Cast Aluminum	Etched Opal Glass	921 (18w)	00T5-LED

A wiring kit and ground spike (0014 BZ - see pg. 53) is supplied. For additional accessories, see page 53. For Transformers, see pages 54-55.



PATH & AREA LIGHTING: 12V

ITEM	NAME	FINISH	WIDTH	HEIGHT	CONSTRUCTION	GLASS	LAMP INCLUDED	BULB FOR LED CONVERSION SEE PAGE 56
1547 HE	Shelter	Hematite	4½"	22¼"	Aluminum	Clear Seedy	921 (18w)	00T5-LED
1547 KZ	Shelter	Buckeye Bronze	4½"	22¼"	Aluminum	Clear Seedy	921 (18w)	00T5-LED
1579 MT	Saturn	Metro Bronze	4½"	22"	Solid Brass	Etched Opal	921 (18w)	00T5-LED
1579 SS	Saturn	Stainless Steel	4½"	22"	Solid Brass	Etched Opal	921 (18w)	00T5-LED

A wiring kit and ground spike (0014 BZ - see pg. 53) is supplied. For additional accessories, see page 53. For Transformers, see pages 54-55.

PATH & AREA LIGHTING



1560 AR
HARBOR™



1560 AR can be mounted directly to the ground spike. See an application shot on page 6.

1561 AR
HARBOR™



Integrated LED Option Available See Page 16

1561 SK
HARBOR™



Integrated LED Option Available See Page 16

1561 TT
HARBOR™



Integrated LED Option Available See Page 16

PATH & AREA LIGHTING: 12V

ITEM	NAME	FINISH	WIDTH	HEIGHT	CONSTRUCTION	GLASS	LAMP INCLUDED	BULB FOR LED CONVERSION SEE PAGE 56
1560 AR	Harbor	Anchor Bronze	7"	24"	Aluminum	Etched Amber Bound Seedy	921 (18w)	00T5-LED
1561 AR	Harbor	Anchor Bronze	7½"	21"	Aluminum	Etched	921 (18w)	00T5-LED
1561 SK	Harbor	Satin Black	7½"	21"	Aluminum	Etched	921 (18w)	00T5-LED
1561 TT	Harbor	Titanium	7½"	21"	Aluminum	Etched	921 (18w)	00T5-LED

A wiring kit and ground spike (0014 BZ - see pg. 53) is supplied. For additional accessories, see page 53. For Transformers, see pages 54-55.



PATH & AREA LIGHTING: 12V

ITEM	NAME	FINISH	WIDTH	HEIGHT	CONSTRUCTION	GLASS	LAMP INCLUDED	BULB FOR LED CONVERSION SEE PAGE 56
1508 CB	Ivy	Copper Bronze	8"	26"	Solid Brass	Light Amber*	921 (18w)	00T5-LED
1516 MR	Ledgewood	Museum Bronze	5"	22"	Cast Aluminum	Champagne Inside Etched	921 (18w)	00T5-LED
1554 SZ	Aspen	Sienna Bronze	9½"	22"	Solid Brass	Honey Art	921 (18w)	00T5-LED
1568 RB	Squirrel	Regency Bronze	6½"	22"	Solid Brass	Champagne Marble	921 (18w)	00T5-LED

*Equipped with lamp shield.

A wiring kit and ground spike (0014 BZ - see pg. 53) is supplied. For additional accessories, see page 53. For Transformers, see pages 54-55.



COASTAL SERIES

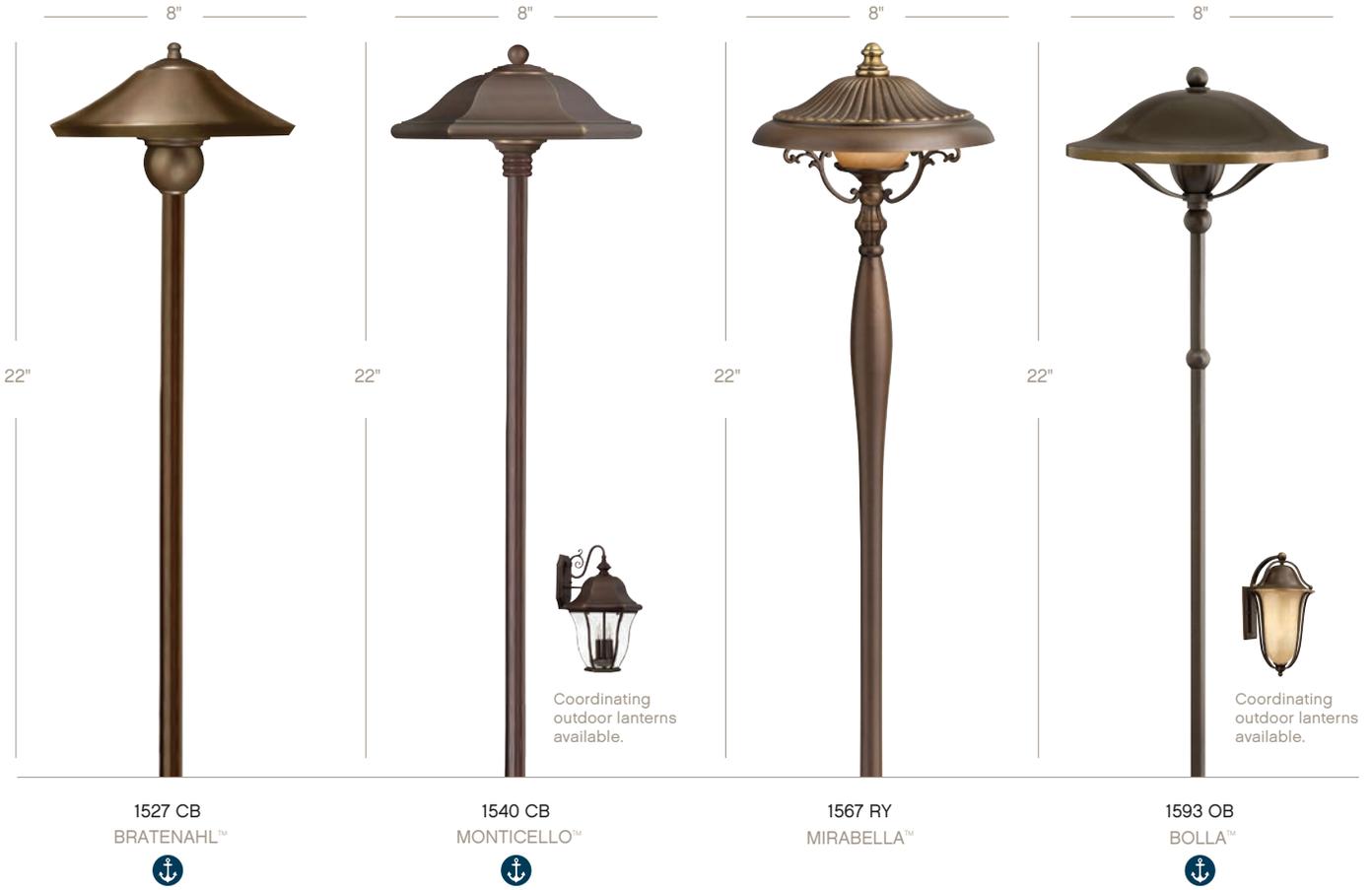
Constructed from copper and brass, these fixtures are designed to withstand extreme climates.



PATH & AREA LIGHTING: 12V

ITEM	NAME	FINISH	WIDTH	HEIGHT	CONSTRUCTION	GLASS	LAMP INCLUDED	BULB FOR LED CONVERSION SEE PAGE 56
1513 MB	Raley	Museum Black	5 1/2"	22"	Cast Aluminum	Clear Waterglass	921 (18w)	00T5-LED
1515 RB	Trellis	Regency Bronze	7 1/4"	30"	Cast Aluminum	Clear Seedy	921 (18w)	00T5-LED
1529 CB	Plantation	Copper Bronze	3 3/4"	22"	Cast Brass	Clear Optic	921 (18w)	00T5-LED
1555 CB	Bratenahl	Copper Bronze	7 1/4"	25"	Solid Brass	Clear Seedy	921 (18w)	00T5-LED

A wiring kit and ground spike (0014 BZ - see pg. 53) is supplied. For additional accessories, see page 53. For Transformers, see pages 54-55.



PATH & AREA LIGHTING: 12V

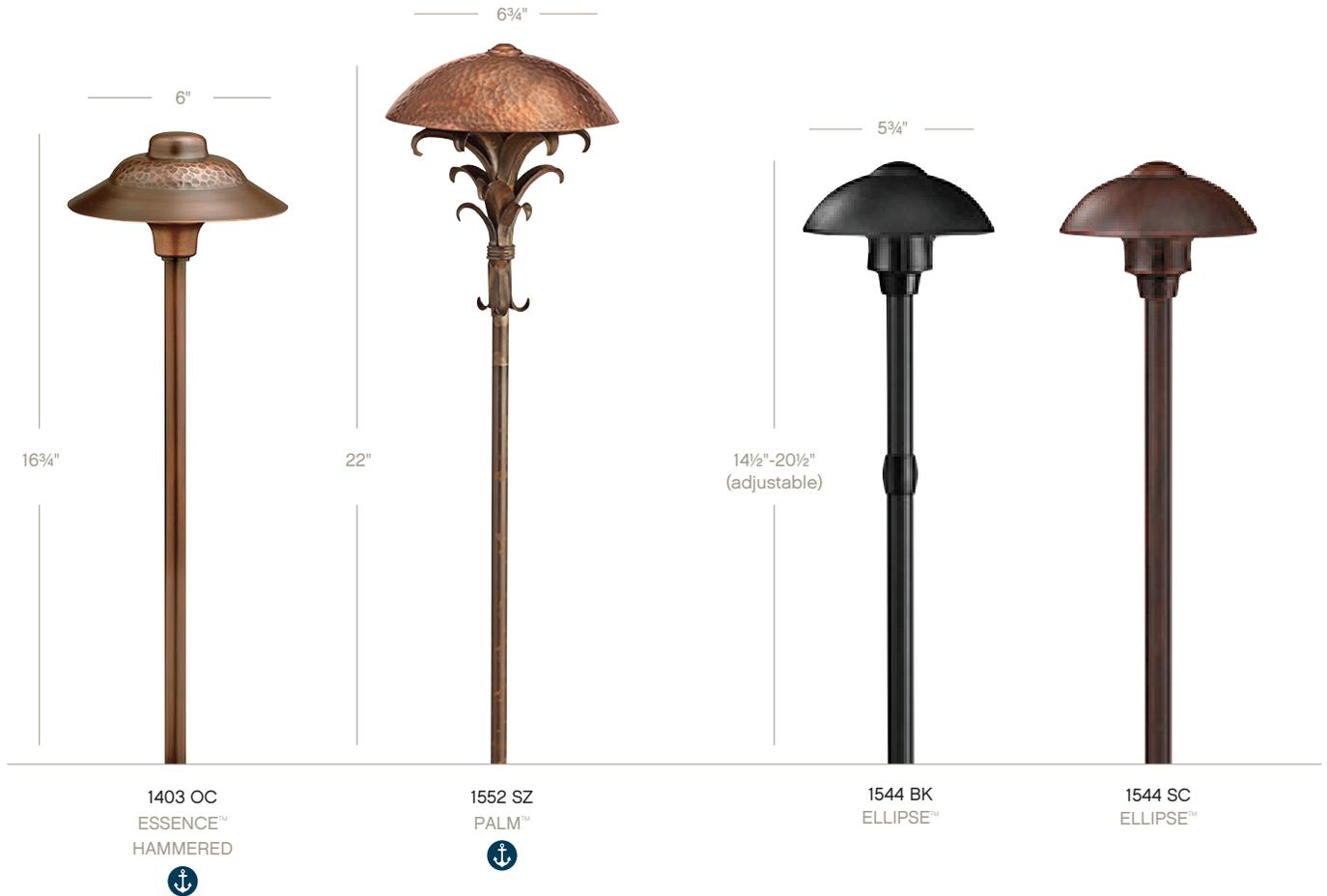
ITEM	NAME	FINISH	WIDTH	HEIGHT	CONSTRUCTION	GLASS	LAMP INCLUDED	BULB FOR LED CONVERSION SEE PAGE 56
1527 CB	Bratenahl	Copper Bronze	8"	22"	Solid Brass	Etched Shield*	921 (18w)	00T5-LED
1540 CB	Monticello	Copper Bronze	8"	22"	Solid Brass	Etched Shield*	921 (18w)	00T5-LED
1567 RY	Mirabella	Royal Bronze	8"	22"	Brass & Aluminum	Light Amber Nuage*	921 (18w)	00T5-LED
1593 OB	Bolla	Olde Bronze	8"	22"	Solid Brass	Etched Shield*	921 (18w)	00T5-LED

*Equipped with lamp shield.

A wiring kit and ground spike (0014 BZ - see pg. 53) is supplied. For additional accessories, see page 53. For Transformers, see pages 54-55.



COASTAL SERIES
 Constructed from copper and brass, these fixtures are designed to withstand extreme climates.



PATH & AREA LIGHTING: 12V

ITEM	NAME	FINISH	WIDTH	HEIGHT	CONSTRUCTION	GLASS OR LENS	LAMP INCLUDED	BULB FOR LED CONVERSION SEE PAGE 56
1403 OC	Essence Hammered	Old Copper	6"	16 3/4"	Solid Copper		921 (18w)	00T5-LED
1544 BK	Ellipse	Black	5 3/4"	14 1/2", 20 1/2" Max.*	Cast Aluminum		912 (12w)	00T5-LED
1544 SC	Ellipse	Southern Clay	5 3/4"	14 1/2", 20 1/2" Max.*	Cast Aluminum		912 (12w)	00T5-LED
1552 SZ	Palm	Sienna Bronze	6 3/4"	22"	Copper & Brass		921 (18w)	00T5-LED

*Measurement references maximum achievable height with stems included (1-6" and 1-12"). Additional stems and couplers are available, see page 53. A wiring kit and ground spike (0014 BZ - see pg. 53) is supplied. For additional accessories, see page 53. For Transformers, see pages 54-55.



PATH & AREA LIGHTING: 12V

ITEM	NAME	FINISH	WIDTH	HEIGHT	CONSTRUCTION	GLASS LENS	LAMP INCLUDED	BULB FOR LED CONVERSION SEE PAGE 56
1558 BK	Shell	Black	6"	15 1/2", 21 1/2" Max.*	Cast Aluminum	Frosted	912 (12w)	00T5-LED
1558 SC	Shell	Southern Clay	6"	15 1/2", 21 1/2" Max.*	Cast Aluminum	Frosted	912 (12w)	00T5-LED
1573 BK	Saucer	Black	8"	15 1/2", 21 1/2" Max.*	Cast Aluminum		912 (12w)	00T5-LED
1573 SC	Saucer	Southern Clay	8"	15 1/2", 21 1/2" Max.*	Cast Aluminum		912 (12w)	00T5-LED

*Measurement references maximum achievable height with stems included (1-6" and 1-12"). Additional stems and couplers are available, see page 53. A wiring kit and ground spike (0014 BZ - see pg. 53) is supplied. For additional accessories, see page 53. For Transformers, see pages 54-55.

ACCENT LIGHTING



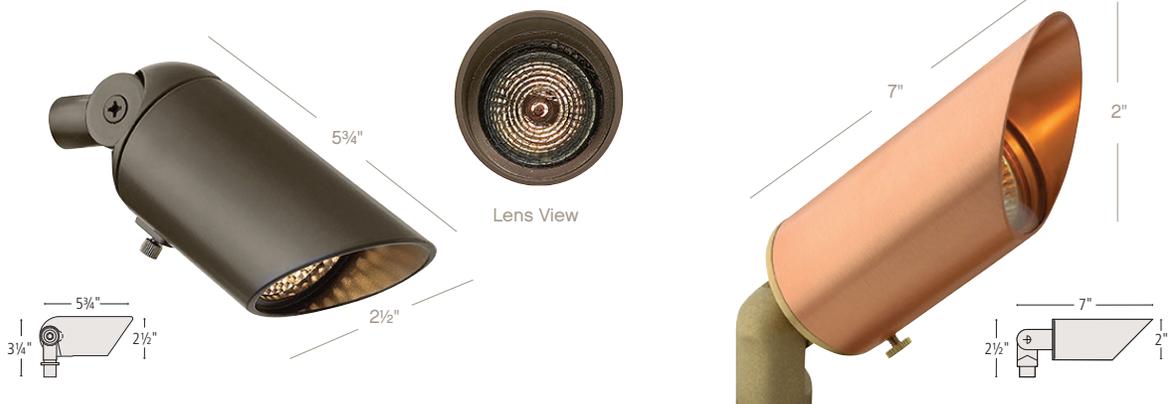
1530 BZ
20W MR11 SPOT LIGHT

1536 BZ
50W MR16 SPOT LIGHT

 Integrated LED
Option Available
See Page 21

1536 MZ
HARDY ISLAND
50W MR16 SPOT LIGHT

  Integrated LED
Option Available
See Page 20



1536 BZ-DN
50W MR16 DOWN LIGHT
(Includes Hex Louver for
down light use only)

1583 NC
50W MR16 COPPER SPOT LIGHT



HARDYISLAND™

Constructed from solid cast brass
in a weathered Matte Bronze finish,
these fixtures are designed to
withstand extreme climates.

ACCENT LIGHTING: 12V

ITEM	NAME	FINISH	SHROUD DIAMETER	BODY LENGTH	HEIGHT	CONSTRUCTION	LENS	LAMP INCLUDED	BULB FOR LED CONVERSION SEE PAGE 56
1530 BZ	20w MR11 Spot Light	Bronze	1 3/4" Dia.	3 1/2"	2 1/2"	Cast Aluminum	Clear	MR11 up to 20w	
1536 BZ	50w MR16 Spot Light	Bronze	2 1/2" Dia.	5 3/4"	3 1/4"	Cast Aluminum	Clear*	MR16 up to 50w	MR16-LED
1536 BZ-DN	50w MR16 Down Light	Bronze	2 1/2" Dia.	5 3/4"	3 1/4"	Cast Aluminum	Hex Louver*	MR16 up to 50w	MR16-LED
1536 MZ	50w MR16 Spot Light	Matte Bronze	2 1/2" Dia.	5 3/4"	3 1/4"	Cast Brass	Clear*	MR16 up to 50w	MR16-LED
1583 NC	50w MR16 Spot Light	Natural Copper	2" Dia.	7"	2 1/2"	Copper and Brass	Clear	MR16 up to 50w	MR16-LED

*Optional performance lenses available, see page 53.

A wiring kit and ground spike (0014 BZ - see pg. 53) is supplied. For additional accessories, see page 53. For Transformers, see pages 54-55.

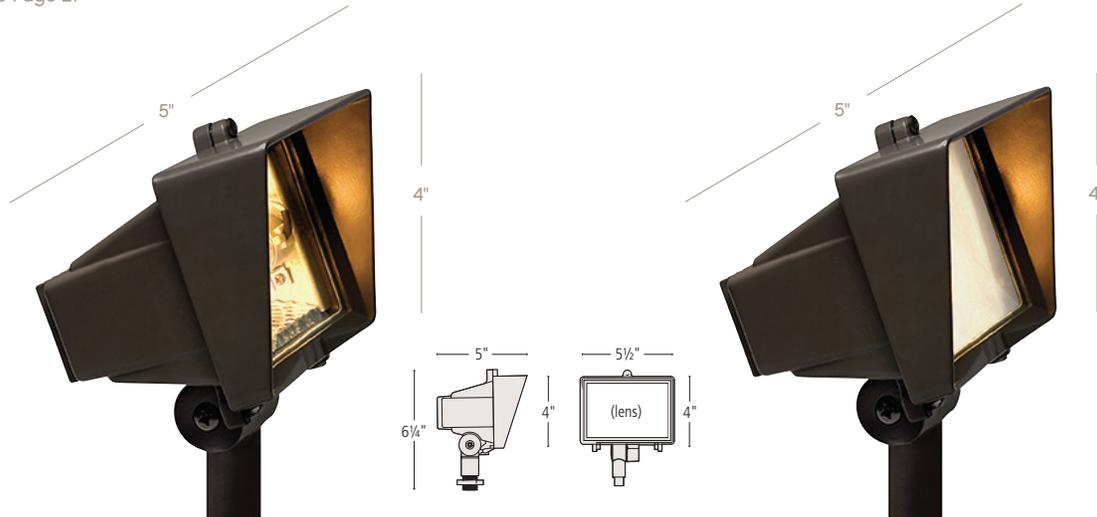


1537 BZ
75W MR16 SPOT LIGHT

 Integrated LED
Option Available
See Page 21

1538 BZ
50W MR16 SPOT LIGHT

1539 BS
50W MR16 BRASS
SUBMERSIBLE POND LIGHT
(Supplied with 25' lead cable)



1520 BZ
50W FLOOD LIGHT
WITH CLEAR LENS

1521 BZ
50W FLOOD LIGHT
WITH FROSTED LENS



COASTAL SERIES

Constructed from copper and brass, these fixtures are designed to withstand extreme climates.

ACCENT LIGHTING: 12V

ITEM	NAME	FINISH	SHROUD WIDTH/DIA.	BODY LENGTH	HEIGHT	CONSTRUCTION	LENS	LAMP INCLUDED	BULB FOR LED CONVERSION SEE PAGE 56
1520 BZ	50w Flood Light	Bronze	5 1/2" W	5"	6 1/4" 4" (shroud)	Cast Aluminum	Clear	T4 up to 50w	
1521 BZ	50w Flood Light	Bronze	5 1/2" W	5"	6 1/4" 4" (shroud)	Cast Aluminum	Frosted	T4 up to 50w	
1537 BZ	75w MR16 Spot Light	Bronze	3 3/4" Dia. (shroud)	6 1/2"	8 3/4"	Cast Aluminum	Clear*	MR16 up to 75w	MR16-LED
1538 BZ	50w MR16 Spot Light	Bronze	3" Dia.	5 1/2"	4 1/4"	PPS Composite	Clear*	MR16 up to 50w	MR16-LED
1539 BS	50w MR16 Submersible Brass Pond Light	Brass	3 3/4" Dia.	5"	4 1/2"	Solid Brass	Clear	MR16 up to 50w	MR16-LED

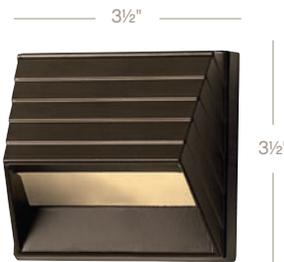
*Optional performance lenses available, see page 53.

A wiring kit and ground spike (0014 BZ - see pg. 53) is supplied. For additional accessories, see page 53. For Transformers, see pages 54-55.

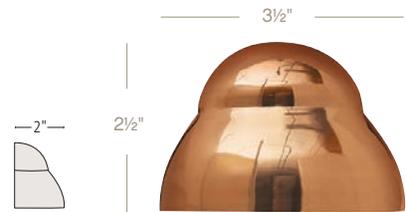
DECK & STEP LIGHTS



1525 BZ
KISS DECK/WALL SCONCE



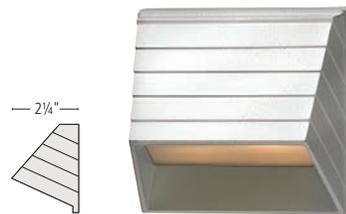
1524 BZ
SQUARE DECK SCONCE



1528 CO
COPPER DECK SCONCE



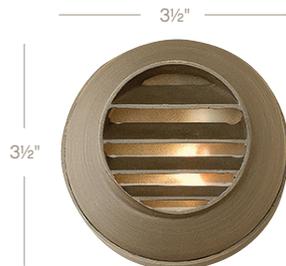
1525 SC
KISS DECK/WALL SCONCE



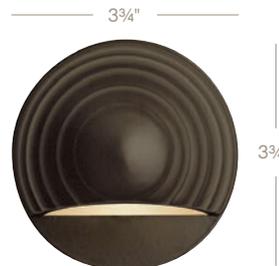
1524 MW
SQUARE DECK SCONCE



16801 MZ
HARDY ISLAND ROUND
EYEBROW DECK SCONCE



16804 MZ
HARDY ISLAND ROUND
LOUVERED DECK SCONCE



1549 BZ
ROUND EYEBROW
DECK SCONCE



1549 MW
ROUND EYEBROW
DECK SCONCE

DECK & STEP LIGHTS: 12V

ITEM	NAME	FINISH	WIDTH	HEIGHT	DEPTH	CONSTRUCTION	GLASS LENS	LAMP INCLUDED	BULB FOR LED CONVERSION SEE PAGE 56
1524 BZ 1524 MW	Square Deck Sconce	Bronze Matte White	3 1/2"	3 1/2"	2 1/4"	Cast Aluminum	Frosted	906 (7w)	00T5-LED
1525 BZ 1525 SC	Kiss Deck/Wall Sconce	Black Southern Clay	3"	3"	2"	Cast Aluminum		906 (7w)	
1528 CO	Copper Deck Sconce	Copper	3 1/2"	2 1/2"	2"	Solid Copper		912 (12w)	00T5-LED
1549 BZ 1549 MW	Round Eyebrow Deck Sconce	Bronze Matte White	3 3/4" Dia.		2"	Cast Aluminum	Frosted	906 (7w)	
16801 MZ	Round Eyebrow Deck Sconce	Matte Bronze	3 1/2" Dia.	3 1/2"	2"	Cast Brass	Frosted	T3 (20w)	
16804 MZ	Round Louvered Deck Sconce	Matte Bronze	3 1/2" Dia.	3 1/2"	2"	Cast Brass	Frosted	T3 (20w)	

A wiring kit is supplied. For accessories, see page 53. For Transformers, see pages 54-55.

AVAILABLE WITH INTEGRATED LED, SEE PAGES 22-24

HARDY ISLAND COLLECTION: SOLID CAST BRASS; WITHSTANDS EXTREME CLIMATES

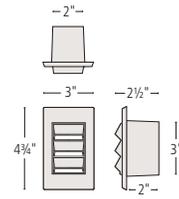
COASTAL SERIES: WITHSTANDS EXTREME CLIMATES



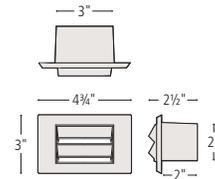
1546 BZ
HORIZONTAL
DECK LIGHT



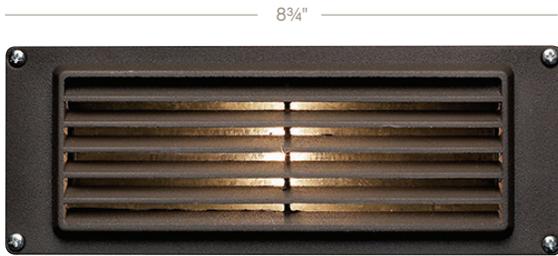
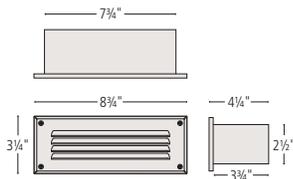
1542 BZ
VERTICAL
DECK LIGHT



1546 MZ
HARDY ISLAND
HORIZONTAL DECK LIGHT



1542 MZ
HARDY ISLAND
VERTICAL DECK LIGHT



1594 BZ
LOUVERED
BRICK LIGHT



1594 MZ
HARDY ISLAND
LOUVERED BRICK LIGHT



DECK & STEP LIGHTS: 12V

ITEM	NAME	FINISH	WIDTH	HEIGHT	DEPTH	CONSTRUCTION	GLASS LENS	LAMP INCLUDED	BULB FOR LED CONVERSION SEE PAGE 56
1542 BZ	Vertical Deck Light	Bronze	3" (face) 2" (housing)	4 3/4" (face) 3" (housing)	1/2" (face) 2" (housing)	Cast Aluminum	Frosted	912 (12w)	00T5-LED
1542 MZ	Vertical Deck Light	Matte Bronze	3 1/4" (face) 2" (housing)	4 3/4" (face) 3" (housing)	1/2" (face) 2" (housing)	Aluminum Housing Solid Brass Faceplate	Frosted	912 (12w)	00T5-LED
1546 BZ	Horizontal Deck Light	Bronze	4 3/4" (face) 3" (housing)	3" (face) 2" (housing)	1/2" (face) 2" (housing)	Cast Aluminum	Frosted	912 (12w)	00T5-LED
1546 MZ	Horizontal Deck Light	Matte Bronze	4 3/4" (face) 3" (housing)	3 1/4" (face) 2" (housing)	1/2" (face) 2" (housing)	Aluminum Housing Solid Brass Faceplate	Frosted	912 (12w)	00T5-LED
1594 BZ	Louvered Brick Light	Bronze	8 3/4" (face) 7 3/4" (housing)	3 1/4" (face) 2 1/2" (housing)	1/2" (face) 3 3/4" (housing)	Galvanized Steel Housing Cast Aluminum Faceplate	Clear	912 (12w)	00T5-LED
1594 MZ	Louvered Brick Light	Matte Bronze	8 3/4" (face) 7 3/4" (housing)	3 1/4" (face) 2 1/2" (housing)	1/2" (face) 3 3/4" (housing)	Galvanized Steel Housing Solid Brass Faceplate	Clear	912 (12w)	00T5-LED

A wiring kit is supplied. For accessories, see page 53. For Transformers, see pages 54-55.

WELL LIGHTS

1599 BS comes with an easy installation, anti-corrosion PVC burial sleeve.



1599 BS
50W MR16
BRASS WELL LIGHT



COASTAL SERIES

Constructed from copper and brass, these fixtures are designed to withstand extreme climates.



1559 BK
REVERSIBLE PAR36
WELL LIGHT



1590 BZ
50W MR16
WELL LIGHT



1595 BZ
SHIELDED 50W
MR16 WELL LIGHT

WELL LIGHTS: 12V

ITEM	NAME	FINISH	WIDTH	HEIGHT	CONSTRUCTION	GLASS OR LENS	LAMP Not Included	BULB FOR LED CONVERSION SEE PAGE 56
1559 BK	Reversible PAR36 Well Light	Black	5 1/2" Dia.	6"	Polypropylene		PAR36 up to 35w	
1590 BZ	50w MR16 Well Light	Bronze	4" Dia. (top) 2 3/4" Dia. (base)	4 5/8" 5 5/8" (top)	Cast Aluminum	Clear Domed	MR16 up to 50w	MR16-LED
1595 BZ	Shielded 50w MR16 Well Light	Bronze	4" Dia. (top) 2 3/4" Dia. (base)	5 3/8" 1 3/8" (top)	Cast Aluminum	Clear Domed	MR16 up to 50w	MR16-LED
1599 BS	50w MR16 Brass Well Light	Brass	3 3/4" Dia. (top) 2 1/2" Dia. (base) 3 1/4" Dia. (sleeve)	4 5/8" 5 5/8" (top) 5" (sleeve)	Solid Brass w/ PVC Burial Sleeve	Clear	MR16 up to 50w	MR16-LED

A wiring kit is supplied. For additional accessories, see page 53. For Transformers, see pages 54-55.



16807 MZ
CAST BRASS
SURFACE MOUNT

0022 BZ
JUNCTION BOX COVER

1507 QC
QUICK CONNECT

0015 BZ
SURFACE MOUNT

0021 BZ
TREE MOUNT

0005
STEM COUPLER

0019 BZ
GROUND SPIKE

0013-JBBZ
GROUND SPIKE

0017-JBBZ
GROUND SPIKE

0014 BZ
GROUND SPIKE

Performance Lenses

0016 Lenses — For use with the following spotlights:
1536 Series, 1538 BZ, 1583 NC *Come in packages of 6*

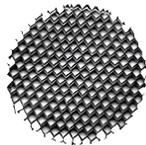
0037 Hex Louver Lens — For use with the following spotlights:
1537 Series, 54000 BZ *Come in packages of 6*



0100 FT, 0108 FT, 0250 FT,
0251 FT, 0500 FT, 0516 FT
WIRE



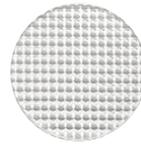
0016 CB
CORRECTIVE BLUE LENS
Enhances color; creates
moonlight effect



0016 HL, 0037 HL*
HEX LOUVER LENS
Reduces overall glare



0016 LF
LINEAR FILTER LENS
Creates directional beam
(vertical/horizontal)



0016 PF
PRISMATIC FILTER LENS
Diffuses lamp beam spread



50200 WN
WIRE NUTS



0006-T, 0012-T,
0018-T, 0024-T
PATH LIGHT STEMS

ITEM	NAME	FINISH	WIDTH DIAMETER	HEIGHT	DEPTH	CONSTRUCTION
0005 BK, SC	Coupler	Black, Southern Clay	1" Dia.	1 1/8"		Aluminum
0006-T BK, SC	6" Path Light Stem	Black, Southern Clay	3/4" Dia.	6"		Aluminum
0012-T BK, SC	12" Path Light Stem	Black, Southern Clay	3/4" Dia.	12"		Aluminum
0013-JBBZ	Ground Spike w/ Junction Box	Bronze	2" W	9"		Cast Aluminum
0014 BZ	Ground Spike	Bronze	2 3/4" W	9"		Composite
0015 BZ	Surface Mount	Bronze	3 1/2" Dia.	1 1/4"		Cast Aluminum
0016 CB	Corrective Blue Lens		2" Dia.		1/8"	Glass
0016 HL	Hex Louver Lens		2" Dia.		1/8"	Aluminum
0016 LF	Linear Filter Lens		2" Dia.		1/8"	Glass
0016 PF	Prismatic Filter Lens		2" Dia.		1/8"	Glass
0017-JBBZ	Ground Spike w/ Junction Box	Bronze	4 1/2" W	11"		Composite
0018-T BK, SC	18" Path Light Stem	Black, Southern Clay	3/4" Dia.	18"		Aluminum
0019 BZ	Ground Spike	Bronze	2" W	15"		Composite
0021 BZ	Tree Mount	Bronze	3" W	1 3/4"	4 3/4"	Cast Aluminum
0022 BZ	Junction Box Cover	Bronze	4 1/2" Dia.	3/4"		Aluminum
0024-T BK, SC	24" Path Light Stem	Black, Southern Clay	3/4" Dia.	24"		Aluminum
0037 HL	Hex Louver Lens		3" Dia.		1/2"	Aluminum
0100 FT	100' Wire	Black	12 AWG			Stranded 2-Wire
0108 FT	100' Wire	Black	8 AWG			Stranded 2-Wire
0250 FT	250' Wire	Black	12 AWG			Stranded 2-Wire
0251 FT	250' Wire	Black	10 AWG			Stranded 2-Wire
0500 FT	500' Wire	Black	12 AWG			Stranded 2-Wire
0516 FT	500' Wire	Black	16 AWG			Stranded 2-Wire
1507 QC	Quick Connect	Black	1" W	3/4"	2"	Composite
16807 MZ	Surface Mount	Matte Bronze	2 3/4" Dia.	1 1/4"		Solid Brass
50200 WN	Silicone Wire Nuts		5/8" Dia.		1 1/4"	Package of 20

PRO-SERIES™ TRANSFORMERS



0075W SS
75W STANDARD
TRANSFORMER



0150 SS
150W STANDARD
TRANSFORMER

FOR DETAILS ON HOW
TO SELECT THE PROPER
TRANSFORMER, PLEASE
REFER TO PAGES 57-58.

STANDARD TRANSFORMER



0150 BK
150W STANDARD
TRANSFORMER



0300 SS
300W PRO-SERIES™
TRANSFORMER



0600 SS
600W PRO-SERIES™
TRANSFORMER



0900 SS
900W PRO-SERIES™
TRANSFORMER



1222 SS
1200W PRO-SERIES™
HIGH OUTPUT TRANSFORMER

TRANSFORMER ACCESSORIES



1505 TC
STANDARD TIME
CLOCK



1580 DT
DIGITAL ASTRONOMICAL
TIME CLOCK



1503 PH
DIRECT MOUNT
PHOTOCELL



1510 PH
PHOTOCELL WITH
10' LEAD WIRE

ITEM	NAME	CONSTRUCTION	FINISH	WIDTH	HEIGHT	DEPTH	WATTAGE (VA)	TAP
0075W SS	75w Standard Transformer	Stainless Steel		6½"	13¼"	5½"	75w	12v-15v
0150 SS	150w Standard Transformer	Composite Resin	Black	6½"	13¼"	5½"	150w	12v-15v
0150 BK	150w Standard Transformer	Stainless Steel	Black	4¼"	6¼"	3¾"	150w	12v
0300 SS	300w Pro-Series Transformer	Stainless Steel		6½"	18"	6"	300w	12v-15v
0600 SS	600w Pro-Series Transformer	Stainless Steel		6½"	18"	6"	600w	12v-15v
0900 SS	900w Pro-Series Transformer	Stainless Steel		8½"	18"	7"	900w	12v-15v
1222 SS	1222w Pro-Series High Output Transformer	Stainless Steel		8½"	18"	7"	1200w	12v-22v
1503 PH	Direct Mount Photocell		Black					
1505 TC	Standard Time Clock		White	2¾"	3½"	2¼"		
1510 PH	Photocell w/ 10' Lead Wire		Black					
1580 DT	Digital Astronomical Time Clock		White	3½"	3¼"	2½"		

TRANSFORMER FEATURE GUIDE	STANDARD TRANSFORMER	PRO-SERIES™ TRANSFORMERS					
							
STYLE	COMPOSITE RESIN	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	HIGH OUTPUT STAINLESS STEEL
MODEL	0150 BK	0075W SS	0150 SS	0300 SS	0600 SS	0900 SS	1222 SS
WATTAGE	150	75	150	300	600	900	1200
BLACK COMPOSITE RESIN	✓						
STAINLESS STEEL		✓	✓	✓	✓	✓	✓
12V-15V MULTI-TAP	12v only	12v + 15v only	12v + 15v only	✓	✓	✓	
12V-22V MULTI-TAP							✓
AUTOMATIC TIMER	✓						
MODULAR TIMER AVAILABLE		✓	✓	✓	✓	✓	✓
PHOTOCELL	✓						
MODULAR PHOTOCELL AVAILABLE		✓	✓	✓	✓	✓	✓
AUTO ON/OFF SWITCH	✓						
3' LINE CORD	✓	✓	✓	✓	✓	✓	✓
BOTTOM PLATE		✓	✓	✓	✓	✓	✓
THERMAL CUT-OFF PRIMARY SIDE	✓	✓	✓	✓	✓	✓	✓
THERMAL RESET SECONDARY	✓						
MAGNETIC RESET SECONDARY		✓	✓	✓	✓	✓	✓
STANDARD TERMINAL BLOCK	✓						
HIGH CAPACITY TERMINAL BLOCK		✓	✓	✓	✓	✓	✓
10-YEAR WARRANTY	✓						
LIFETIME WARRANTY		✓	✓	✓	✓	✓	✓

LIGHT BULBS

BULB TYPE	MODEL	WATTAGE	AVERAGE LIFE	CANDLE POWER (CP) LUMENS (L)	BASE	BEAM SPREAD
PAR 36 Halogen 	4425	25w	1000 Hours	100 L	Screw	60° WFL
	4435	35w	4000 Hours	250 L	Screw	30° WFL
	4450	50w	4000 Hours	400 L	Screw	30° WFL
T5 Wedge Base 	0906	7w	1000 Hours	6 CP	Wedge	360°
	0912	12w	2000 Hours	12 CP	Wedge	360°
	0921	18w	2000 Hours	21 CP	Wedge	360°
	0921X	18w	10000 Hours	21 CP	Wedge	360°
MR11 Halogen 	0011N10	10w	2000 Hours	1200 CP	Bi-Pin	15° NSP
	0011W10	10w	2000 Hours	350 CP	Bi-Pin	30° WFL
	0011N20	20w	2000 Hours	4200 CP	Bi-Pin	15° NSP
	0011W20	20w	2000 Hours	700 CP	Bi-Pin	30° WFL
MR16 Halogen 	0016N20	20w	2000 Hours	3500 CP	Bi-Pin	7° NSP
	0016W20	20w	2000 Hours	490 CP	Bi-Pin	40° WFL
	0016N35	35w	2000 Hours	7400 CP	Bi-Pin	12° NSP
	0016W35	35w	2000 Hours	1100 CP	Bi-Pin	40° WFL
	0016N50	50w	2000 Hours	8500 CP	Bi-Pin	10° NSP
	0016W50	50w	2000 Hours	1500 CP	Bi-Pin	38° WFL
	0016N75	75w	2000 Hours	11200 CP	Bi-Pin	15° NSP
	0016W75	75w	2000 Hours	1900 CP	Bi-Pin	40° WFL
MR16-LED 	0016SP-LED	4.3w / VA	25,000 Hours	275 L	Bi-Pin	15° NSP
	0016NF-LED	4.3w / VA	25,000 Hours	275 L	Bi-Pin	30° WFL
	0016WF-LED	4.3w / VA	25,000 Hours	275 L	Bi-Pin	45° WFL
T3 Halogen T4 Halogen 	0020T3	20w	2000 Hours	320 CP	Bi-Pin	360°
	0010T4	10w	2000 Hours	140 CP	Bi-Pin	360°
	0020T4	20w	2000 Hours	320 CP	Bi-Pin	360°
	0050T4	50w	2000 Hours	930 CP	Bi-Pin	360°
T3 LED (LED bi-pin replacement for 0020T3, 0010T4, 0020T4, 0050T4) 	00T3-LED	1.5w 1.8VA	35,000 Hours	140 L	Bi-Pin	360°
T5 LED (LED wedge base replacement for 906, 912, 921, 921X) 	00T5-LED	1.7w 2.0VA	35,000 Hours	180 L	Wedge	360°

BULB EQUIVALENCIES			
Footcandles	Natural/Realistic Equivalent	Footcandles	Natural/Realistic Equivalent
5000	Bright Summer Sunshine	.50	Typical Side Road Lighting
500	Overcast Sky	.20	Minimum Security Risk Lighting
50	Well-Lit Office	.10	Twilight
30	Minimum for Easy Reading	.03	Clear Full Moon
5	Passageway/Outdoor Work Area	.01	Typical Moonlight/Cloudy Sky
1.5	Good Main Road Lighting	.0001	Typical Starlight
1.0	Sunset	.00001	Poor Starlight

Low Voltage System Design and Installation for LED

Step 1

MAKE A PLAN

What do you want to light? Pick favorite trees, interesting plants, fountains statues or other attractive architectural elements. These items will be the focus of your lighting plan. Think about how you use the property. Are there areas you would like to illuminate for recreation, entertaining or work? Think about areas in which added light would enhance safety-steps or dark wall around the side of your home.

Step 2

PREPARE YOUR EQUIPMENT

LOW VOLTAGE LED SYSTEMS

Most residential LED landscape lighting is done with 12-volt distribution. The system consists of a central transformer, weatherproof cable and low voltage LED fixtures and accessories.

LED FIXTURES

Decide on what fixtures you will be using as part of your complete lighting plan. Choose styles you like and select the appropriate LED wattage for the application.

TRANSFORMERS

Transformers convert your 120-volt household current to 12-volt. Outdoor transformers can be installed on the side of your house and plug into an exterior outlet. They must mount at least 12" above the ground.

Transformers used indoors (such as in a garage or basement) must be listed for that application. For indoor use, UL requires an additional plate to guard against fire and conduit must be used when running wiring through the wall. Calculate the total volt ampere (VA) your system requires. Then choose a transformer powerful enough to handle the total VA and still have some extra capacity if fixtures will added at a later time.

CABLE

12-volt LED fixtures take power from a weatherproof, flexible 2-wire cable that can be used above or below ground and

generally does not need to be housed in conduit or buried as deep as 120-volt wiring. 12AWG cable is minimum gauge recommended for LED installations. Measure the distance from the last fixture on the run to the transformer to calculate the amount of cable needed. Add 1-2 feet of cable per fixture to allow for repositioning.

Step 3

WIRING YOUR SYSTEM

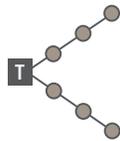
CABLE FIXTURE AND LAYOUT

If your lighting plan requires more than one transformer, you will need to divide the fixtures into groups or zones. To do so, consider the many areas of your property and how they are used. You may want all of the front yard lighting on one transformer, patio and deck lighting on another transformer, etc. The location of your electrical outlets will also help you to determine how to group the fixtures.

The following diagrams will help you wire your system. The black box represents the transformer.

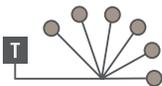
SPLIT LOAD INSTALLATION

With a Split Load installation, fixtures run in two or more directions from transformer. Locating the transformer in the center of the run and connect wires to the transformer as you would when using straight run installation.



HUB INSTALLATION

With a Hub installation, fixtures in a group are connected at a central hub. The voltage drop will be virtually identical for each fixture, which makes this installation option optimal. Fewer connections are needed, simplifying troubleshooting and servicing the system.



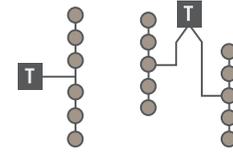
STRAIGHT RUN INSTALLATION

Fixtures run in sequence directly from the transformer.



"T" INSTALLATION

A "T" installation allows more equal distribution of power to the center of the run, or to the run some distance away. If lengthy runs, Use 8 or 10 AWG cable to split. Use 12 AWG cable to cross the "T" between fixtures.



**EASY
INSTALLATION**

MINIMAL VOLTAGE DROP WITH LED

LED fixtures use less amperage than incandescent, therefore more fixtures can be used in a single cable run as compared to incandescent. Each fixture has a built-in durable driver circuit that accepts a wider input voltage range (9VAC-15VAC) thus eliminating the common voltage-drop problems experienced with incandescent systems. Most fixtures can be wired in straight run installations eliminating the need to create zones or split loads. The driver in each fixture will regulate the input voltage and properly power the LED.

VA (VOLT-AMPS) & W (WATAGE)

All LED fixtures are measured in wattage (the actual electric consumed by the LED) and volt-amps VA (the power supply required to operate the LED). LED drivers convert the 12V Alternating current (AC) to direct current (DC) to power the LED chip(s). This additional power to change the current is measured as volt-amps (VA) for each fixture. The VA indicates the power supply or transformer requirement you will need to operate the LEDs. To properly size your transformer, add up the VA for all fixtures on the system. To calculate your energy cost, add up the measured wattage rating of each LED:

6 fixtures @ 2.1 watts each and 3.2 VA each

6 X 2.1 WATTS = 12.6 WATT TOTAL
(actual energy consumed)

6 X 3.2 VA = 19.2 VA TOTAL
(minimum transformer required)

For further instruction on fixture connection, mounting, accessories and troubleshooting, please follow Hinkley's incandescent installation instructions found on page 59.

Low Voltage System Design and Installation for Incandescent

Step 1

MAKE A PLAN

What do you want to light? Pick favorite trees, interesting plants, fountains statues or other attractive architectural elements. These items will be the focus of your lighting plan. Think about how you use the property. Are there areas you would like to illuminate for recreation, entertaining or work? Think about areas in which added light would enhance safety-steps or dark wall around the side of your home.

Step 2

PREPARE YOUR EQUIPMENT

LOW VOLTAGE SYSTEMS

Most residential landscape lighting is done with 12-volt distribution. The system consists of a central transformer, weatherproof cable and low voltage fixtures and accessories.

FIXTURES

Decide on what fixtures you will be using as part of your complete lighting plan. Choose styles you like that accept lamps that are appropriate for the application.

TRANSFORMERS

Transformers convert your 120-volt household current to 12-volts. Outdoor transformers can be installed on the side of your house and plug into an exterior outlet. They must mount at least 12" above the ground.

Transformers used indoors (such as in a garage or basement) must be listed for that application. For indoor usage, UL requires an additional mounting plate to guard against fire and conduit must be used. Calculate the total lamp wattage (or VA for LED) your system requires. Then, choose a transformer powerful enough to handle the total wattage/VA and still have some extra capacity.

CABLE

12-volt fixtures take power from a weatherproof, flexible cable that can be used above or below ground and generally does not need to be housed in conduit or buried as deep as 120-volt wiring. 12 AWG cable is the most standard. However, for cable runs of over 100', we recommend 10 AWG or 8 AWG.

Measure the distance from the last fixture on the run to the transformer to calculate the amount of cable needed. Add 1'-2' of cable per fixture to allow for repositioning.

Step 3

WIRING YOUR SYSTEM

CABLE FIXTURE AND LAYOUT

If your lighting plan requires more than one transformer, you will need to divide the fixtures into groups or zones. To do so, consider the many areas of your property and how they are used. You may want all of the front yard lighting on one transformer, patio and deck lighting on another transformer, etc. The location of your electrical outlets will also help you to determine how to group the fixtures.

Maximum Cable Length per Total Fixture Watts/VA							
Cable Size	50w VA	75w VA	100w VA	150w VA	200w VA	250w VA	300w VA
12-2	300'	200'	150'	100'	75'	60'	-
10-2	475'	318'	240'	160'	120'	100'	80'
8-2	750'	506'	380'	250'	190'	150'	125'

DETERMINING VOLTAGE DROP

VOLTAGE DROP

Excessive voltage drop occurs when too much wattage is placed on a cable that is too long or too small for the load. Voltage drop causes lamps furthest from the transformer to be dimmer than those near the transformer. To help minimize voltage drop among each group of fixtures, use the following information to assist you:

Total Watts/Volt Amps = sum of wattage/VA on a single run of wire.

Cable Length = length of cable run (feet) from transformer to the last fixture on that run.

Cable Constant = thickness of copper wire. The thicker the wire, the lower the conductive resistance, resulting in a lower drop in voltage.

CALCULATING VOLTAGE DROP

You can calculate voltage drop in volts using the formula below. It also shows the relationship of wattage/VA, run length and two-conductor cable size (given by the cable constant). Adjust lamp wattage/VA, number of fixtures per run, or the length of the run to maintain the right relationship.

$$\text{Voltage Drop} = \frac{\text{Total Watts/VA} \times \text{Cable Length}}{\text{Cable Constant}} \times 2$$

The cable constant is based on wire size. (Remember that larger wires have lower AWG sizes).

Cable	Constant
18 AWG	1,380v
16 AWG	2,200v
14 AWG	3,500v
12 AWG	7,500v
10 AWG	11,920v
08 AWG	18,960v

EXAMPLE:

$$\text{Voltage Drop} = \frac{150w/VA \times 75}{7500 \text{ (12 AWG Cable Constant)}} \times 2$$

Then, subtract the voltage drop from transformer output to operate in desired range:

$$15\text{-volt tap} - 3 \text{ (voltage drop)} = 12 \text{ (actual voltage)}$$

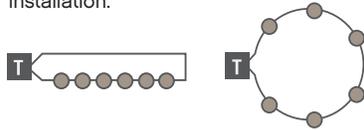
Voltage should not drop below 10.8-volts. In this case you should choose to use higher outputs to **keep voltage in desired range of 11.2-volts-11.6-volts.**

Lighting fixtures will generate heat. To avoid excessive heat be sure to keep all lamps clear of dirt and debris. Input voltage at the lamp on low voltage fixtures should never exceed 12-volts.

The following diagrams will help you wire your system. The black box represents the transformer:

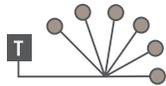
LOOP INSTALLATION

Here, fixtures are arranged in a loop, reducing voltage drop. It is essential that cable polarity be maintained in the installation.



HUB INSTALLATION

With a Hub installation, fixtures in a group are connected at a central hub. The voltage drop will be virtually identical for each fixture, which makes this installation option optimal. Fewer connections are needed, simplifying troubleshooting and servicing the system.



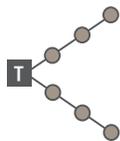
STRAIGHT RUN INSTALLATION

Fixtures run in sequence directly from the transformer.



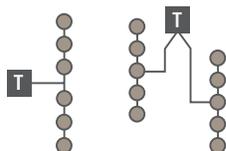
SPLIT LOAD INSTALLATION

With a Split Load installation, fixtures run in two or more directions from transformer. Locating the transformer in the center of the run reduces the effect of voltage drop. Be sure to connect wires to the transformer as you would when using straight run installation.



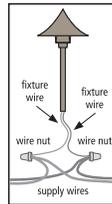
"T" INSTALLATION

A "T" installation allows more equal distribution of power to the center of the run, or to the run some distance away. If lengthy runs, Use 8 AWG cable to split. Use 12 AWG cable to cross the "T" between fixtures.



FIXTURE CONNECTION

Hinkley low voltage fixtures come standard with a connection kit, (2) wire nuts and silicone caulk. Fixtures should be attached by splicing them into main supply cable. Wire nuts should be filled with silicone. Twist the wires, then screw on the wire nut. Wrap with electrical tape. Bury any extra wire at the base of fixture to allow for relocation or adjustment.



After wiring your lighting plan, turn the transformer on and check the lamp voltage at each fixture:

Effect of Voltage on Lamp Life/Light Output		
Voltage at Lamp	Life Expectancy of Lamp	% of Rated Candlepower
13.2	2/3 rated life	350
12.6	3/4 rated life	180
12.0	as rated	100
11.5	2 x rated	80
11.0	3 x rated	75
10.75	4 x rated	70
10.5	5 x rated	65*
10.0	9 x rated	50

*Lowest recommended candlepower output

MOUNTING

Hinkley low-voltage fixtures come standard with the 0014 BZ ground spike (see accessories, page 53) and can be easily relocated every several years to adjust for the natural growth of trees and plantings.

Step 4

CONSIDER ACCESSORIES

CONTROLS

Controls enhance landscape lighting, just as they do interior lighting. Photocells, timers and special lenses can help control your lighting plan.

PHOTOCELLS

Photocells turn the lighting on when the sun goes down. You can combine a photocell (on) and a timer (off) to avoid wasting energy after the household has retired for the night.

TIMERS

Timers provide automatic on/off control, according to how you program them and can be used in conjunction with photocells.

LENSES

Hinkley lenses are available for use with spotlights to create directional beams of light, diffuse lamp beam spread, enhance color and to reduce overall glare.

TROUBLESHOOTING

Some of the more obvious reasons why a landscape lighting system will not operate are:

- ▷ The 120-volt power source is off, disconnected or the breaker/GFCI is tripped.
- ▷ The 120-volt source is on a switched receptacle and the switch is in the off position.
- ▷ The Transformer has an on/off switch and it is in the off position.
- ▷ If unit has a built in timer and the timer is in the off position.
- ▷ If the unit has a built in photocell and the photocell is receiving light and is therefore in the off position.
- ▷ If the transformer has a built in secondary or primary fusing device that has blown due to a system problem.
- ▷ If the cables leading from the transformer out into the landscape have been cut.
- ▷ If the cables entering the transformer are wired incorrectly.

Lighting fixtures will generate heat. To avoid excessive heat be sure to keep all lamps clear of dirt and debris. Input voltage at the lamp on low voltage fixtures should never exceed 12-volts.

120V



LINE VOLTAGE: 120V

HINKLEY LIGHTING'S LINE VOLTAGE PRODUCTS OFFER THE LIGHTING PROFESSIONAL
A MORE POWERFUL LANDSCAPE LIGHTING OPTION.



LINE VOLTAGE SYSTEMS OPERATE WITH MORE POWER THAN THEIR LOW VOLTAGE COUNTERPARTS AND CAN ACCOMMODATE LARGER LAMPS WITH MUCH HIGHER WATTAGE, CREATING SIGNIFICANT LIGHT OUTPUT FROM A SMALL NUMBER OF FIXTURES. LINE VOLTAGE IS MOST COMMONLY USED IN COMMERCIAL, SECURITY AND PUBLIC USE APPLICATIONS. IT CAN ALSO BE UTILIZED IN RESIDENTIAL APPLICATIONS WHERE EXTENSIVE UP-LIGHTING ON LARGE ARCHITECTURAL FEATURES AND MATURE LANDSCAPE IS REQUIRED OR WHERE A 120V WIRING SYSTEM IS ALREADY IN PLACE.



120V LANDSCAPE LIGHTING

ITEM	56000 BZ	57000 BZ
NAME	Mushroom Path Light	75w Mini-Can Flood Light
FINISH	Powder-Coated Bronze (BZ)	Powder-Coated Bronze (BZ)
WIDTH	9½"	5½" (shroud)
HEIGHT	26"	6¼" 4" (shroud)
DEPTH		5"
CONSTRUCTION	Durable Cast Aluminum	Durable Cast Aluminum
LENS	Clear Polycarbonate	Clear Glass: flat, tempered
VOLTAGE	120v	120v
LAMP (Not Included)	A19 (up to 75w)	Mini-Can (up to 75w)
WIRING	6" usable 105°C 18-AWG wire leads	6" usable 200°C 18-AWG wire leads and ground leads
REFLECTOR		Hammertone Finish, High-Performance Aluminum
SHROUD		Cast aluminum housing with silicone o-ring gaskets providing a superior weather-tight seal
SOCKET	Porcelain w/ nickel-plated screw shell	Porcelain mini-can base with spring center contact high temperature leads

For Line Voltage Accessories see page 67.

120V



54000 BZ
120V 75W SM. SPOT LIGHT



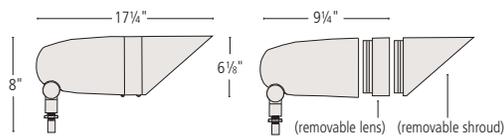
Integrated LED
Option Available
See Page 25



55000 BZ
120V 175W LG. SPOT LIGHT
(Shown with lens)



55000 BZ
120V 175W LG. SPOT LIGHT
(Shown with lens and shroud)





53000 BZ
 BURIAL BALLAST BOX
 (Ballast Assembly not included)

LINE VOLTAGE INSTALLATION

120V

A licensed electrical contractor is required to install Line Voltage landscape lighting systems. When installing 120v systems, the wire must be properly buried at least 18" inches in the ground, placed in a protective conduit and have sealed junction boxes at the connection points. Installation is labor intensive and rigid, which makes line voltage systems a more permanent option than low voltage systems. Installation by a professional will ensure the Line Voltage system functions properly. Local code requirements should be consulted.

120V SPOT LIGHTS & BURIAL BALLAST BOX

ITEM	53000 BZ	54000 BZ	55000 BZ
NAME	Burial Ballast Box (made for use with 54000 BZ and 55000 BZ)	75w Sm. Spot Light	175w Lg. Spot Light (Removable Lens and Shroud)
FINISH	Bronze (BZ)	Powder-Coated Bronze (BZ)	Powder-Coated Bronze (BZ)
WIDTH	12 1/4" (top), 8" (base)	3 3/4" Dia. (shroud)	6 1/8" Dia. (shroud)
HEIGHT	14 1/2"	6 1/2"	8"
LENGTH		8 3/4" (shroud)	17 1/4" (w/ shroud), 9 1/4" (w/o shroud)
CONSTRUCTION	Thermoplastic composite resin with molded Ribbing to prevent ground shifting. Composite cover has 1/2"-14NPS hub for direct mount.	Durable Cast Aluminum	Durable Cast Aluminum
LENS		Clear, Convex, Tempered	Clear, Convex, Tempered
VOLTAGE		120v	120v
LAMP (Not Included)	For use with 54000 BZ and 55000 BZ	PAR16 or PAR20 (up to 75w)	PAR38 (up to 175w)
BALLAST	Requires 70w, 100w or 175w Ballast Assembly		
WIRING/WIRING COMPARTMENT	Isolated sealable wiring compartment. Cover has (2) threaded 3/4"-14NPS entries for conduit re-attachment. Encapsulant potting compound included.	6" usable 200°C 18-AWG wire leads and ground leads	6" usable 200°C 18-AWG wire leads and ground leads
GASKET	EPDM, 1-piece molded silicone gasket		
REFLECTOR			
SHROUD		Durable cast aluminum housing with silicone o-rings providing a superior weather-tight seal.	Durable cast aluminum housing with silicone o-rings providing a superior weather-tight seal.
SOCKET		4KV Pulse-Rated Porcelain Base	4KV Pulse-Rated Porcelain Base

For Line Voltage Accessories see page 67.

120V WELL LIGHTS

ITEM	51000 BZ	51070 BZ	52000 BZ	52175 BZ
NAME	100w-MH Sm. In-Ground Well Light	70w-MH Sm. In-Ground Well Light	100w-MH Lg. In-Ground Well Light	175w-MH Lg. In-Ground Well Light
FINISH	Bronze (BZ)	Bronze (BZ)	Bronze (BZ)	Bronze
WIDTH	9½" (top), 6⅞" (base)	9½" (top), 6⅞" (base)	12¼" (top), 8" (base)	12¼" (top), 8" (base)
HEIGHT	12¾"	12¾"	14½"	14½"
CONSTRUCTION	Thermoplastic composite resin with molded ribbing to prevent ground shifting.	Thermoplastic composite resin with molded ribbing to prevent ground shifting.	Thermoplastic composite resin with molded ribbing to prevent ground shifting.	Thermoplastic composite resin with molded ribbing to prevent ground shifting.
LENS	Clear, Flat	Clear, Flat	Clear, Flat	Clear, Flat
VOLTAGE	120v	120v	120v	120v
LAMP Not Included	100w Max. Incandescent	70w Metal Halide	100w Max. Incandescent	175w Metal Halide
BALLAST		Pre-wired HPF ballast on key-slotted mounting base. Input voltage 120v, 208v, 240v, 277v core and coil HPF.		Pre-wired HPF ballast on key-slotted mounting base. Input voltage 120v, 208v, 240v, 277v core and coil HPF.
WIRING/ WIRING COMPARTMENT	6" usable 105°C 18-AWG wire leads and ground leads. Isolated sealable wiring compartment. Cover has (2) threaded 3/4"-14NPS entries for conduit re-attachment. Encapsulant potting compound included.	6" usable 105°C 18-AWG wire leads and ground leads. Isolated sealable wiring compartment. Cover has (2) threaded 3/4"-14NPS entries for conduit attachment. Encapsulant potting compound included.	6" usable 105°C 18-AWG wire leads and ground leads. Isolated sealable wiring compartment. Cover has (2) threaded 3/4"-14NPS entries for conduit attachment. Encapsulant potting compound included.	6" usable 105°C 18-AWG wire leads and ground leads. Isolated sealable wiring compartment. Cover has (2) threaded 3/4"-14NPS entries for conduit attachment. Encapsulant potting compound included.
GASKET	EPDM 1-piece Molded Silicone U-Channel	EPDM 1-piece Molded Silicone U-Channel	EPDM 1-piece Molded Silicone U-Channel	EPDM 1-piece Molded Silicone U-Channel
REFLECTOR	120° Hydroformed Alzak-Finished Aluminum	120° Hydroformed Alzak-Finished Aluminum	84° Hydroformed Alzak-Finished Hammered Aluminum	84° Hydroformed Alzak-Finished Hammered Aluminum
SOCKET	Porcelain Medium Base	Porcelain 4KV Pulse-Rated Medium Base	Porcelain Medium Base	Porcelain 4KV Pulse-Rated Medium Base
LIVE LOAD CAPACITY	2200 lbs.	2200 lbs.	2600 lbs.	2600 lbs.
ACCESSORIES	Small Concrete Kit: 51010 CK Small Rock Guard: 51901 BZ	Small Concrete Kit: 51010 CK Small Rock Guard: 51901 BZ	Large Concrete Kit: 52010 CK Large Rock Guard: 52901 BZ	Large Concrete Kit: 52010 CK Large Rock Guard: 52901 BZ

120V WELL LIGHT ACCESSORIES

ITEM	NAME	DESCRIPTION	DIAMETER	HEIGHT	DETAILS
51010 CK	Concrete Kit (Small)	Used for Well Light installation	10¾"Dia.	6"	For use with Sm. Well Lights
51901 BZ	Rock Guard (Small)	Keeps lens free of debris	9½"Dia.	1¼"	For use with Sm. Well Lights
52010 CK	Concrete Kit (Large)	Used for Well Light and Ballast Box installation	14"Dia.	6"	For use with Lg. Well Lights and Burial Ballast Box
52901 BZ	Rock Guard (Large)	Keeps lens free of debris	12¼"Dia.	1¼"	For use with Lg. Well Lights

For Line Voltage Accessories see page 67.



6 1/8"

51000 BZ	51070 BZ
120V 100W-MH	120V 70W-MH
SM. IN-GROUND	SM. IN-GROUND
WELL LIGHT	WELL LIGHT



51901 BZ, 52901 BZ
ROCK GUARD



51010 CK, 52010 CK
CONCRETE KIT



8"

52000 BZ	52175 BZ
120V 100W-MH	120V 175W-MH
LG. IN-GROUND	LG. IN-GROUND
WELL LIGHT	WELL LIGHT

QUALITY AND DURABILITY

Hinkley's Line Voltage products are built to last. Constructed of durable aluminum or thermoplastic composite resin, our lighting fixtures stand up to tough weather conditions. Our powder coated finish on all Line Voltage products protect the fixtures from chipping, fading and cracking which significantly improves the durability and lifespan of our fixtures in even the harshest atmospheric conditions.

120V

120V STEP & BRICK LIGHTS

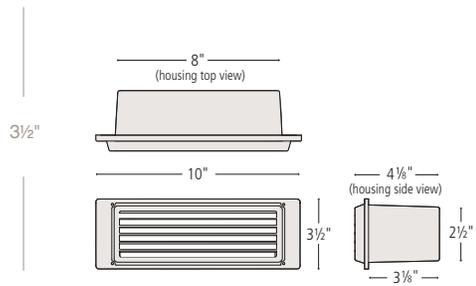


59009 BZ
120V 9W CFL
BRICK LIGHT


Integrated LED
Option Available
See Page 25

59040 BZ
120V 40W G9
BRICK LIGHT


Integrated LED
Option Available
See Page 25

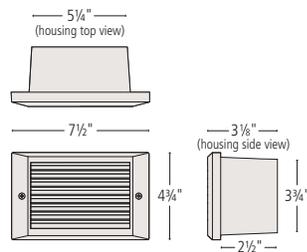


58009 BZ
120V 9W CFL
STEP LIGHT


Integrated LED
Option Available
See Page 25

58025 BZ
120V 25W G9
STEP LIGHT


Integrated LED
Option Available
See Page 25



120V STEP & BRICK LIGHTS

ITEM	58009 BZ	58025 BZ	59009 BZ	59040 BZ
NAME	Step Light (9w) CFL	Step Light (25w) G9	Brick Light (9w) CFL	Brick Light (40w) G9
FINISH	Powder-Coated Bronze (BZ)	Powder-Coated Bronze (BZ)	Powder-Coated Bronze (BZ)	Powder-Coated Bronze (BZ)
WIDTH	7 1/2" (faceplate) 5 1/4" (housing)	7 1/2" (faceplate) 5 1/4" (housing)	10" (faceplate) 8" (housing)	10" (faceplate) 8" (housing)
HEIGHT	4 3/4" (faceplate) 3 3/4" (housing)	4 3/4" (faceplate) 3 3/4" (housing)	3 1/2" (faceplate) 2 1/2" (housing)	3 1/2" (faceplate) 2 1/2" (housing)
DEPTH	3 1/8" (total) 2 1/2" (housing)	3 1/8" (total) 2 1/2" (housing)	4 1/8" (total) 3 1/8" (housing)	4 1/8" (total) 3 1/8" (housing)
CONSTRUCTION	Cast aluminum with a silicone gasket providing a superior weather-tight seal.	Cast aluminum with a silicone gasket providing a superior weather-tight seal.	Cast aluminum with a silicone gasket providing a superior weather-tight seal.	Cast aluminum with a silicone gasket providing a superior weather-tight seal.
LENS	Clear, Flat	Clear, Flat	Clear, Flat	Clear, Flat
VOLTAGE	120v	120v	120v	120v
LAMP (Not Included)	9w CFL GX23-2	25w G9	9w CFL GX23-2	40w G9
WIRING/ WIRING COMPARTMENT	6" usable 200°C 18-AWG wire leads and ground leads	6" usable 200°C 18-AWG wire leads and ground leads	6" usable 200°C 18-AWG wire leads and ground leads	6" usable 200°C 18-AWG wire leads and ground leads
SOCKET	Plastic GX23-2	White Porcelain Bi-Pin Base	Plastic GX23-2	White Porcelain Bi-Pin Base



50500 PP
POWER POST

VALUE AND CONVENIENCE

Choosing to install a Line Voltage system can be an economical solution in residential situations where a wiring system is already in place. Rather than re-wire a low voltage system, which requires a transformer and a fresh wiring plan, Hinkley Line Voltage fixtures can be put into place with relative ease. A wide variety of lamping options offers convenience when choosing a Line Voltage system. Traditional incandescent lamps can be used and technology advancements have even led to popularity with self-ballasted fluorescent lamps.

120V



50200 WN
WIRE NUTS



51010 CK, 52010 CK
CONCRETE KIT



50300 SF
SCOTCH-FIL



51901 BZ, 52901 BZ
SMALL AND LARGE
ROCK GUARD



50400 HG
WELL LIGHT
HIGH GEL

120V ACCESSORIES

ITEM	NAME	DESCRIPTION	WIDTH/DIAMETER	HEIGHT	LENGTH	DETAILS
50200 WN	Silicone Wire Nuts		5/8" Dia.		1 1/4"	Package of 20
50300 SF	Scotch-Fil	Conduit Sealant			2"	Sold in (4) 2" Strips
50400 HG	Well Light High Gel	Encapsulant Potting Compound				82g Pack
50500 PP	Power Post	Landscape Splice Post with Junction Box	3/4" Dia. 7" W (with fins)	20 1/2"		PVC
51010 CK	Concrete Kit (Small)	Pour Kit for Small Well Lights	10 3/4" Dia.	6"		PVC
51901 BZ	Small Rock Guard	For use with 51000 BZ, 51070 BZ	9 1/2" Dia.	1 1/4"		Composite
52010 CK	Concrete Kit (Large)	Pour Kit for Large Well Lights	14" Dia.	6"		PVC
52901 BZ	Large Rock Guard	For use with 52000 BZ, 52175 BZ	12 1/4" Dia.	1 1/4"		Composite

0005 BK	53	0516FT	53	1537BZ	49	1558SC-LED	17	16504MZ	35
0005 SC	53	0600SS	54	1537BZ-4KLED30	21	1559BK	52	16504MZ-LED30	20
0006-TBK	53	0900SS	54	1537BZ-4KLED60	21	1560AR	42	16504MZ-LED60	20
0006-TSC	53	0906	56	1537BZ-LED30	21	1561AR	42	16571MZ	35
0010T4	56	0912	56	1537BZ-LED60	21	1561AR-LED	16	16574MZ	35
0011N10	56	0921	56	1538BZ	49	1561SK	42	16701MZ	37
0011N20	56	0921X	56	1539BS	49	1561SK-LED	16	16704MZ	37
0011W10	56	1222SS	54	1540CB	45	1561TT	42	16707MZ	37
0011W20	56	1403OC	46	1542BZ	51	1561TT-LED	16	16710MZ	37
0012-TBK	53	1502BZ	40	1542BZ-LED	23	1567RY	45	16801MZ	36
0012-TSC	53	1502BZ-LED	17	1542MZ	36	1568RB	43	16801MZ-LED	22
0013-JBBZ	53	1503PH	54	1542MZ-LED	23	1573BK	47	16804MZ	36
0014 BZ	53	1505TC	54	15440BZ	30	1573BK-LED	17	16804MZ-LED	22
0015 BZ	53	1507QC	53	15442BZ	30	1573SC	47	16807MZ	53
0016 CB	53	1508CB	43	1544BK	46	1573SC-LED	17	16902MZ	35
0016 HL	53	1510PH	54	1544BK-LED	17	1579MT	41	16910MZ	35
0016 LF	53	1513MB	44	1544SC	46	1579SS	41	16918MZ	35
0016N20	56	1515RB	44	1544SC-LED	17	1580DT	54	16990MZ	35
0016N35	56	1516MR	43	15450BZ	31	1583NC	48	4425	56
0016N50	56	1518BZ	39	15452BZ	31	15903BZ	29	4435	56
0016N75	56	1518BZ-LED	15	15456BZ	31	15906BZ	29	4450	56
0016 PF	53	1518HE	39	15458BZ	31	1590BZ	52	50200WN	67
0016W20	56	1518HE-LED	15	1546BZ	51	15912BZ	29	50300SF	67
0016W35	56	1518TT	39	1546BZ-LED	23	15918BZ	29	50400HG	67
0016W50	56	1518TT-LED	15	1546CO-LED	23	15924BZ	29	50500PP	67
0016W75	56	1520BZ	49	1546MZ	36	1593OB	45	51000BZ	65
0017-JBBZ	53	1521BZ	49	1546MZ-LED	23	1594BZ	36	51010CK	67
0018-TBK	53	1524BZ	50	15471BZ	29	1594BZ-LED	24	51070BZ	65
0018-TSC	53	1524BZ-LED	22	15472BZ	27	1594MZ	36	51901BZ	67
0019 BZ	53	1524MW	50	15475BZ	29	1594MZ-LED	24	52000BZ	65
0020T3	56	1524MW-LED	22	15476BZ	27	1595BZ	52	52010CK	67
0020T4	56	1525BZ	50	15479BZ	28	1599BS	52	52175BZ	65
0021 BZ	53	1525SC	50	1547HE	41	16001MZ	33	52901BZ	67
0022 BZ	53	1526BZ-LED	22	1547KZ	41	16001MZ-LED	18	53000BZ	63
0024-TBK	53	1527CB	45	15483BZ	28	16004MZ	33	54000BZ	62
0024-TSC	53	1528CO	50	1548BZ	40	16004MZ-LED	18	54000BZ-LED30	25
0037 HL	53	1529CB	44	1548BZ-LED	16	16007MZ	33	54000BZ-LED60	25
0050 T4	56	1530BZ	48	1548TT	40	16007MZ-LED	18	55000BZ	62
0075W SS	54	1536BZ	48	1548TT-LED	16	16010MZ	33	56000BZ	61
00T3-LED	56	1536BZ-20LED30	21	1549BZ	50	16010MZ-LED	18	57000BZ	61
00T5-LED	56	1536BZ-20LED60	21	1549BZ-LED	22	16016MZ	34	58009BZ	66
0100 FT	53	1536BZ-DN	48	1549MW	50	16016MZ-LED	19	58015BZ-LED	25
0108FT	53	1536BZ-LED30	21	1549MW-LED	22	16019MZ	34	58025BZ	66
0150BK	54	1536BZ-LED60	21	1552SZ	46	16019MZ-LED	19	59009BZ	66
0150SS	54	1536MZ	35	1554SZ	43	16022MZ	34	59024BZ-LED	25
0250FT	53	1536MZ-20LED30	20	1555CB	44	16022MZ-LED	19	59040BZ	66
0251FT	53	1536MZ-20LED60	20	1558BK	47	16050MZ	34		
0300SS	54	1536MZ-LED30	20	1558BK-LED	17	16055MZ	34		
0500FT	53	1536MZ-LED60	20	1558SC	47	16501MZ	35		