

*life*AGLOW®

HINKLEY

L I G H T I N G

HINKLEY

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CLASSIC, CHIC COLLECTIONS | HINKLEYLIGHTING.COM



FREDRICK RAMOND

ESTABLISHED 1965

HINKLEY'S LUXURY LINE | FREDRICKRAMOND.COM

THIS CATALOG INCLUDES THE FULL LINE OF HINKLEY LANDSCAPE LIGHTING.
FOR HINKLEY INTERIOR, BATH, EXTERIOR AND FREDRICK RAMOND,
PLEASE SEE THE HINKLEY LIGHTING 2015-2016 CATALOG.

HINKLEY LIGHTING, INC. | 2016

LANDSCAPE CONTENTS

expand **YOUR** **HORIZONS**

Hinkley Landscape Lighting allows you to creatively illuminate all types of exterior environments and increase enjoyment of your favorite natural spaces throughout the evening hours. Explore all we have to offer: from inspiration to installation, we've got you covered.

“Landscape lighting is essential to safety and appearance. Proper outdoor lighting can transform a space at night into a work of art.”

CHRISTINA FLUEGGE
GREIGE DESIGN
SAN JOSE, CA

COVER PHOTO:
PETER FRANK EDWARDS / COASTAL LIVING

WELCOME TO HINKLEY LANDSCAPE LIGHTING

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LANDSCAPE LIGHTING 101™



A COMPLETE GUIDE TO PLANNING AND PLACING LANDSCAPE LIGHTING FIXTURES TO ACCENT YOUR PROPERTY AND HIGHLIGHT YOUR HOME.

SEE PAGE 10.

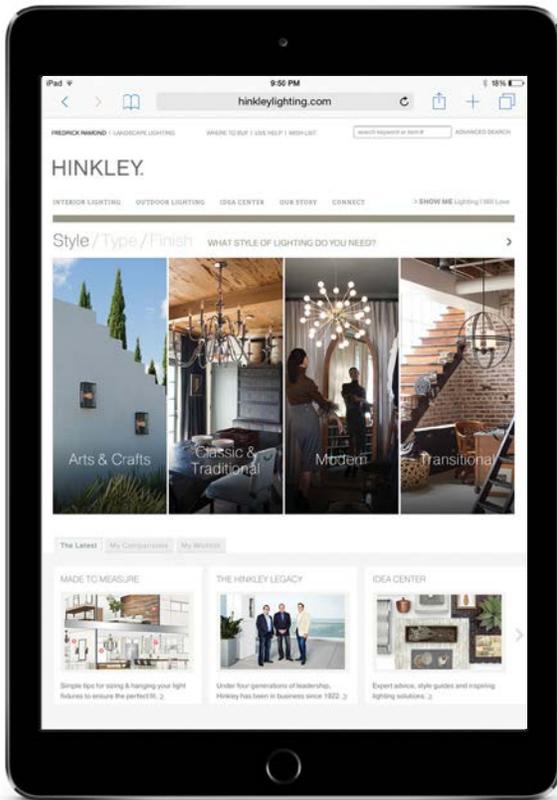
RESOURCES *for* STYLE

designer DNA

AS A PART OF OUR 'LIFE AGLOW' CAMPAIGN, HINKLEY INTERVIEWED ACCLAIMED DESIGNERS, STYLISTS AND BLOGGERS TO BRING YOU INVALUABLE IDEAS ON SELECTING THE RIGHT LIGHTING. LOOK FOR THEIR INSIDE SECRETS THAT OFFER INFORMATIVE AND ENTERTAINING RECOMMENDATIONS THROUGHOUT THIS CATALOG AND IN OUR ONLINE IDEA CENTER.

For full bios on each contributor, visit hinkleylighting.com

DISCOVER **HINKLEYLIGHTING.COM**



FIND LIGHTING *love* YOU WILL

Explore the digital version of our catalogs and be inspired by the home décor tips, style guides and product videos in our online Idea Center. Enjoy shopping by style, application and finish to find lighting you will love.



DISCOVER THE BENEFITS OF HINKLEY LANDSCAPE LIGHTING ON OUR YOUTUBE CHANNEL

TALK IS CHIC

JOIN OUR SOCIAL CIRCLE TO KEEP UP WITH HINKLEY HAPPENINGS

#hinkleylighting #lifeaglow

f FACEBOOK
FACEBOOK.COM/HINKLEYLIGHTING
Keep up with current Hinkley activity.

t TWITTER
TWITTER.COM/HINKLEYLIGHTING
Join the conversation and hear what Hinkley has to say.

YouTube
YOUTUBE.COM/HINKLEYLIGHTINGINC
Watch our informative product and engaging brand videos.

\$ HOUZZ
HOZZ.COM/HINKLEYLIGHTING
Discover our products in all types of places and spaces.

Instagram
INSTAGRAM.COM/HINKLEYLIGHTING
See what's happening around Hinkley.

p PINTEREST
PINTEREST.COM/HINKLEYLIGHTING
Find out what inspires us.

IDEACENTER

LANDSCAPE



SATURN 1579SS, PAGE 34

EXPAND YOUR ENVIRONMENT

Balance creature comforts with the call of the wild! Enjoy your property in its entirety by unifying the relationship between your home and your natural surroundings. Integrating decorative fixtures with the essential landscape lighting techniques on pages 8-9 will tastefully illuminate everything from lush walkways to chic chaises and cozy eating alcoves.

Let the outdoors in by creating layered exterior living spaces that blend the best of both worlds. By adding elements of outdoor and landscape lighting, you can craft defined areas to lounge and linger, day or night.

“Being able to see outside at night is a wonderful way to enlarge the feeling of the size of the property. The exterior becomes an extension of the interior and helps create the multi-dimensional home.”

KATIE LYDON | KATIE LYDON INTERIORS
NEW YORK, NY

THE BEST OUTDOOR LIGHTING PLANS EXPAND YOUR LIVING ENVIRONMENT, HEIGHTEN CURB APPEAL AND ADD SAFETY TO YOUR OUTDOOR SPACE. HINKLEY RECOMMENDS TAKING A SMART AND MEASURED APPROACH TO ENSURE YOUR LIGHTING DESIGN IS PURE PERFECTION:

HINKLEY LANDSCAPE LIGHTING PLAN-O-GRAM



1

ASSESS YOUR EXTERIOR AND SELECT THE AREAS YOU WANT TO ILLUMINATE

2

CHOOSE DECORATIVE FIXTURES THAT COMPLEMENT ARCHITECTURE AND ELEMENTS OF LANDSCAPING

3

CHOOSE FROM A VARIETY OF DISTINCTIVE LIGHTING TECHNIQUES SHOWN ON PAGES 8-9

4

RESEARCH ENERGY-EFFICIENT LED FIXTURE OPTIONS FOR LONG-TERM SAVINGS

5

BASED ON INSTALLATION REQUIREMENTS AND YOUR LANDSCAPING NEEDS, SELECT YOUR FIXTURES AND ACCESSORIES

6

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

7

SELECT THE PROPER TRANSFORMER TO PROVIDE THE CORRECT POWER SUPPLY

8

CHOOSE CONTROLS TO TURN THE LIGHTS ON AND OFF, ADDING AN ADDITIONAL MAINTENANCE-FREE AMENITY

TAKE CONTROL

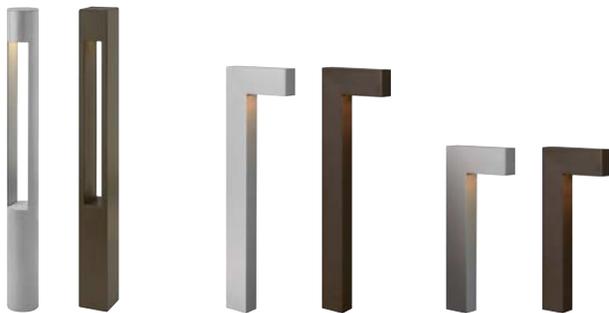
INSTALLING A DIMMER FOR LANDSCAPE LIGHTING gives you the flexibility to control the ambiance of your outdoor areas and adjust your exterior lighting based on its use—from a brighter light surrounding a lively social gathering on the deck or a softer glow for intimate evening dinners al fresco. Utilizing a dimmer for the exterior lighting of your home is simple: just ensure the outlet that the transformer plugs into is dedicated and offers that functionality, and it automatically increases the luxury quotient of your property. Installation by a professional will ensure the dimmer system functions properly and that local code requirements are followed. Rapid advances in technology also allow certain home lighting control systems to work from your smart phone, so you can reduce power usage when not in use or adjust the lighting to create different moods... all at the touch of a finger. Visit Hinkley Landscape Lighting online and use our showroom locator to find a knowledgeable distributor in your area that can answer questions about lighting control systems.

COORDINATE & Complement

To help you 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 at HINKLEYLIGHTING.COM

ATLANTIS

ATLANTIS BOLLARDS, PAGE 28
ATLANTIS PATH LIGHTS, PAGES 32-33
COORDINATING LANTERNS, PAGES 582-585
IN HINKLEY'S FULL-LINE CATALOG



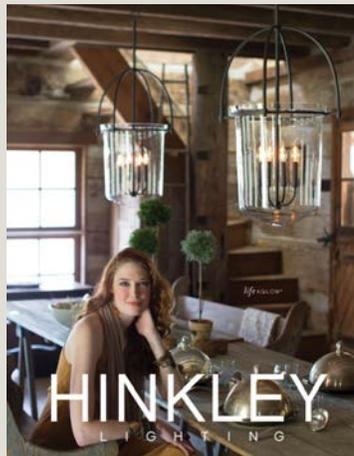


HIGH PERFORMANCE BOLLARDS

BEGINNING ON PAGE 26

PERFECT FOR PUBLIC AND COMMERCIAL APPLICATIONS

- + STREAMLINED DESIGN
- + DURABILITY
- + MAXIMUM LIGHT OUTPUT



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

SHELTER

SHELTER BOLLARDS, PAGE 27 | SHELTER PATH LIGHTS, PAGE 34

COORDINATING LANTERNS, PAGES 604-609 IN HINKLEY'S FULL LINE CATALOG



LUNA

LUNA BOLLARDS, PAGE 27

COORDINATING LANTERNS, PAGES 578-581 IN HINKLEY'S FULL LINE CATALOG



DORIAN

DORIAN BOLLARDS, PAGE 29

COORDINATING LANTERNS, PAGES 614-615 IN HINKLEY'S FULL LINE CATALOG



SOLARA

SOLARA BOLLARDS, PAGE 29

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SATURN

SATURN PATH LIGHTS, PAGE 34
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TRELLIS PATH LIGHT, PAGE 43
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LEDGEWOOD

LEDGEWOOD PATH LIGHT, PAGE 44
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RALEY

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HARBOR

HARBOR PATH LIGHTS, PAGE 35
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PLANTATION

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MONTICELLO

MONTICELLO PATH LIGHT, PAGE 40
COORDINATING LANTERNS, PAGES 736-737
IN HINKLEY'S FULL LINE CATALOG



LANDSCAPE LIGHTING TECHNIQUES

EVERY NEED-TO-KNOW METHOD FOR LIGHTING UP THE NIGHT



UPLIGHTING ^

Uplighting is illuminating an area, surface or object from below to create a focal point in the landscape.

CREATING THIS EFFECT : A spot light is aimed at the tree in the foreground while the front of the home remains relatively dark.

< WALL WASHING

Wall washing is a technique that refers to the general illumination of a wall or surface.

CREATING THIS EFFECT : Spot lights are placed along the front of the home to create a soft wash of light.

SILHOUETTING v

Also called backlighting, silhouetting is used to dramatize an interesting shaped object.

CREATING THIS EFFECT : A spot light is placed between the tree and the front of the home. The spot light is aimed at the front of the home creating a dramatic silhouette of the tree.



SHADOWING ^

Shadowing is an effect created by placing a light source in front of an object and projecting a shadow onto a surface behind the object.

CREATING THIS EFFECT : Spot lights are placed directly in front of the tall bushes, producing shadows which are projected on the home's face, creating an interesting and inviting façade.



16701MZ-3K60

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.

CREATING THIS EFFECT : Spot lights are placed beneath each stone pillar to create dimension, complementing the home's entryway.

STEP LIGHTING v

Step and brick lights can be used in masonry and wood constructions. These fixtures are designed to safely illuminate stairways and walkways.

CREATING THIS EFFECT : The steps are gently illuminated leading up to the doorway to ensure safety.



1594BZ-LED



1579SS

< PATH LIGHTING

Path and area lighting is used to enhance dynamic landscaping elements such as flower beds, shrubbery and borders while safely illuminating pathways.

CREATING THIS EFFECT : Path lights are staggered around the walkway to create pools of light that illuminate a safe passage to the home's entrance.

DECK LIGHTING >

Step, brick and hardscape lighting can be used in masonry and wood constructions. These fixtures are specifically designed to provide safety and accent lighting while creating a warm atmosphere.

CREATING THIS EFFECT : A surface mounted deck sconce is placed on the wall above each step to illuminate a safe entryway to the deck. A hardscape fixture under the bench, coupled with deck sconces mounted to the corner posts create a soft glow.



1549BZ-LED (DECK POSTS)
15440BZ (UNDER BENCH)
15508TT (ON WALL)

LANDSCAPE LIGHTING 101™

A COMPLETE GUIDE TO PLANNING AND PLACING LANDSCAPE LIGHTING FIXTURES TO ACCENT YOUR PROPERTY AND HIGHLIGHT YOUR HOME.

[FOLD OUT FOR A FULL VIEW >](#)

1 SPOT LIGHTS

Spot lights are the go-to fixture to highlight elements of your landscape that add the most visual appeal, such as foliage, trees and architectural elements. Hinkley offers a wide range of spot lights to fit any need.

2 LUNA STEP LIGHT

Available in 12V and 120V and a variety of colors (both double and single gang), the Luna Step Light is a versatile way to safely illuminate areas of foot traffic both indoors and out. Also fully dimmable, these fixtures allow customization of light output with only 4w of power consumption.

3 HARDSCAPE LIGHTING

Hardscape lighting is the perfect light source to use on retaining walls of all types, brick or stone columns and under all types of steps including wood, stone, brick and composite. It can also be used on the underside of a wide variety of outdoor surfaces including built in seating, pergolas, hand railing and fence rails. The Nexus collection of hardscape lighting is available in white and bronze to blend with all exterior styles.

4 GRAZING

Grazing is a technique used to emphasize a textured surface or architectural element (such as a tree trunk, a stone wall, climbing ivy, etc.) by placing a light source within one foot of the surface and aiming the light beam parallel to that surface. This technique can be accomplished with different types of Hinkley Landscape Lighting, like spot lights, well lights and Nexus fixtures.

5 STEP LIGHTING

Step lighting is a safety must for any outdoor zones with elevation elements, especially in areas without overhead illumination. Take the traffic pattern of your space into account to cover commonly used areas.

STAIRWAY WIDTH step lights should be installed on the horizontal center of each riser, taking the fixture's louver angle into account for light reach.

WIDE AREA WIDTH step lights are generally installed 4'-6' apart, depending on fixture width.

6 DECK LIGHTING

Installing deck lights adds safety and illumination to your favorite outdoor entertaining space. Fixtures are most often installed into the posts of a deck to provide proper light output around the perimeter of the space.

7 OUTDOOR PENDANTS

Exterior pendants and hanging lanterns can be used as a lighting source to illuminate and accent an outdoor dining space. A general guideline to follow is the same as interior pendants, which is for the bottom of the fixture to sit 28"-34" above the table.

illuminating interiors

VISIT HINKLEYLIGHTING.COM TO VIEW THE ORIGINAL LIGHTING 101, YOUR GUIDE TO SELECTING AND SIZING A HOME FULL OF FIXTURES.

8 OUTDOOR FLUSH MOUNTS

Flush mounts are the perfect lighting selection for second story balconies or overhangs to provide a nighttime glow for outdoor seating and activity.

9 OUTDOOR LANTERNS

Lanterns mounted at a point of entry to the home provide safety, security, and a welcoming decorative element.

ONE LANTERN should measure about 1/3 the height of your door.

TWO LANTERNS should measure about 1/4 the height of the door. In all cases, the center of the light source should rest about 66" above the threshold.

10 PATH LIGHTING

Path lighting is the perfect way to add style and safety to a walkway. Lights should be placed about 6' apart from one another, and staggered on either side of the path. Consider the light output of your fixtures to determine spacing that keeps the light from overlapping.

11 SHADOWING

Shadowing is an effect created by placing a light source, often a spot light, in front of an object and projecting a shadow onto a surface behind the object, such as the shadow of a tree onto a home's façade.

12 UPLIGHTING

Uplighting is illuminating an area, surface or object from below to create a focal point in the landscape. Spot lights and well lights are the most common fixtures to use in this application. Consider the width of the area you will be illuminating when choosing the beam spread of the fixture or bulb.

13 TRANSFORMER

Transformers convert your 120-volt household current to 12-volt. Calculate the total lamp wattage, or VA for LED, that your system requires and choose a transformer powerful enough to handle the total wattage/VA with extra capacity.

EXTERIOR INSTALLATION on the side or back of the home must be mounted 12" from the ground next to an outlet.

INTERIOR INSTALLATION such as in a basement, garage or shed must be listed for that application. UL code also requires an additional plate to guard against fire and conduit must be used when running wiring through an interior wall.



THE MAKINGS OF A *fabulous* FAÇADE

EMBARK ON YOUR STYLE SEARCH

Entryway lighting is the optimal accessory to the front of your home, serving as a welcoming feature for your family and guests. Keep in mind that when selecting decorative outdoor lighting, it is best to stay true to the period and architectural style of your home's exterior. Choose path lights and outdoor lanterns that are complementary to one another and the style of your home, as well as the natural environment that surrounds it.

If your home is **TRADITIONAL** >

Look for elegant lighting with design details such as beveled glass, stately scrollwork and rich, dark finishes in shades of bronze.



HARDY ISLAND 16007MZ-LED, PAGE 38
TRELIS 1435RB, HINKLEY FULL LINE CATALOG



ATLANTIS 1518HE-LED, PAGE 32
ATLANTIS 1641TT-LED,
HINKLEY FULL LINE CATALOG

If your home is **TRANSITIONAL**

Take architectural details into account. Does your home radiate a refined rustic vibe? Weathered finishes could be your go-to. If your property has coastal character, nautical-inspired cast brass fixtures are a must for design and durability.

< *If your home is* **MODERN**

Your space will shine with chic, minimalist styles that showcase clean, contemporary lines. Try a titanium or hematite finish to complement cooler-toned stonework or concrete. To enhance your modern decor, consider path lights and lanterns with seeded glass, which will produce a subtle yet stylish pattern of light.

NO MATTER THE LOOK OF YOUR PROPERTY,
ENERGY-EFFICIENCY IS ALWAYS ON TREND.

Hinkley offers the widest range of decorative LED designs in the industry to illuminate your home's exterior, ranging from traditional to modern and every style in between.



1

SPOT LIGHTS

Accent Lighting
Page 15

2

**LUNA
STEP LIGHT**

12V, Page 51
120V, Page 64

3

**HARDSCAPE
LIGHTING**

Nexus Hardscape
Page 48

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GRAZING

Landscape
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5

STEP LIGHTING

Deck, Step and
Patio Lighting
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6

DECK LIGHTING

Deck, Step and
Patio Lighting
Page 49

7

**OUTDOOR
PENDANTS**

Full Line Catalog
hinkleylighting.com



8

**OUTDOOR
FLUSH MOUNTS**

Full Line Catalog
hinkleylighting.com

9

LANTERNS

Full Line Catalog
hinkleylighting.com

10

**PATH
LIGHTING**

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SHADOWING

Landscape
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UPLIGHTING

Landscape
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TRANSFORMERS

Pages 76-77

ReTHINK LED

What's the big deal about the 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 their 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 temperature 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 DISPERSION

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.

HINKLEY INTEGRATED LED

See page 14 for the technical specifications associated with Hinkley's integrated technology. Visit hinkleylighting.com to view the patents held by Hinkley products.



NEXUS 15471BZ AND 15472BZ, PAGE 46

“The salt air in the low-country can be brutal, so it's crucial to consider lighting, furniture and fabrics that are going to withstand the different climates.”

GINGER BREWTON
GINGER BREWTON INTERIORS
CHARLESTON, SC



HARDY ISLAND

HARDY ISLAND 1536MZ, PAGE 16, AND 16022MZ-LED, PAGE 39

Named for the ruggedly beautiful island off the coast of British Columbia that bears its name, Hardy Island is designed to defy the harshest environments in style. Hardy Island offers fully enclosed lamps, features a weathered brass finish that will mature naturally over time and is backed by a lifetime warranty.



HARDY ISLAND IS A HEAVY DUTY SOLID CAST BRASS COLLECTION, THE PERFECT COLLABORATION OF FORM AND FUNCTION.

 look for Hardy Island fixtures throughout the catalog

PATH

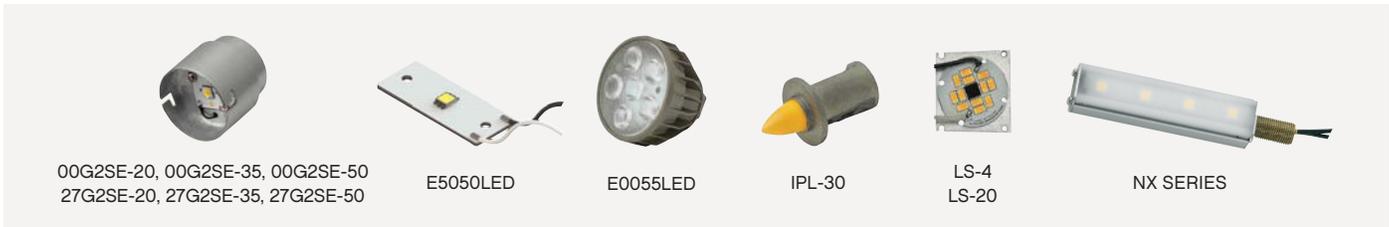
SPOT

DECK & STEP

ACCENT

INTELLIGENT LIGHTING HINKLEY IS DEDICATED TO PROVIDING STATE-OF-THE-ART PRODUCTS BY UTILIZING THE LATEST TECHNOLOGY AND CUTTING EDGE COMPONENTS. BELOW ARE THE ENGINES AND SPECIFICATIONS FOR HINKLEY'S INTEGRATED LED.

INTEGRATED LED



LED ENGINES *Not Available to Purchase*

ITEM	DESCRIPTION	ENGINE LUMENS	COLOR TEMP.	CRI	WATTS CONSUMED	VA	INCANDESCENT EQUIVALENCY	LIFESPAN	DIMMABLE
00G2SE-20	Integrated MR Lamp Engine	See pages 78-79	80	3W	3.2VA	20W	60,000	-	
00G2SE-35	Integrated MR Lamp Engine	See pages 78-79	80	5W	5.3VA	35W	60,000	-	
00G2SE-50	Integrated MR Lamp Engine	See pages 78-79	80	7.5W	7.8VA	50W	60,000	-	
27G2SE-20	Integrated MR Lamp Engine	See pages 78-79	80	3W	3.2VA	20W	60,000	-	
27G2SE-35	Integrated MR Lamp Engine	See pages 78-79	80	5W	5.3VA	35W	60,000	-	
27G2SE-50	Integrated MR Lamp Engine	See pages 78-79	80	7.5W	7.8VA	50W	60,000	-	
E0055LED	Integrated R Lamp Engine	450	3000	80	7.0W	-	50W	35,000	-
E5050LED	Integrated Deck Light Engine	120	2700	80	1.5W	2.4VA	12W	40,000	MLV*
IPL-30	Integrated Path Light Engine	120	2700	80	2.3W	3.9VA	12W	60,000	MLV*
LS-4	Integrated Low Voltage Step Light Engine	200	2700	90	3.8W	6.5VA	20W	40,000	MLV*
LS-20	Integrated Line Voltage Step Light Engine	240	2700	90	4W	-	20W	40,000	ANY**
NX3	Integrated Linear Engine	250	2700	80	3.8W	5.7VA	25W	40,000	MLV*
NX4	Integrated Linear Engine	140	2700	80	1.9W	2.8VA	20W	40,000	MLV*
NX6	Integrated Linear Engine	250	2700	80	3.8W	5.7VA	25W	40,000	MLV*
NX12	Integrated Linear Engine	500	2700	80	7.3W	10.8VA	50W	40,000	MLV*

*MLV: Magnetic Low Voltage control on primary (120VAC) side of transformer. **ANY: Any phase cut incandescent dimmer control. Values are subject to change, so be sure to reference hinkleylighting.com for the most up-to-date energy-efficient specs.

VIEW PAGES 80-81 FOR LED BULBS AVAILABLE FOR PURCHASE

ICON GUIDE

Throughout this catalog we have utilized a variety of important icons to assist with your lighting selections. This key describes each icon in detail for easy reference.



INTEGRATED LED
Each energy-efficient fixture is equipped with a fully integrated LED panel and built-in driver.



120 VOLT
Indicates a line voltage fixture that is able to accommodate lamps with a higher wattage and light output. Ideal for commercial and public spaces.



HARDY ISLAND
Fixture is constructed from heavy duty solid cast brass and features a weathered brass finish. Designed for harsh environments. See page 13 for more information.



COASTAL SERIES
Coastal Series fixtures are constructed from sturdy copper and brass. Designed for harsh environments.

ACCENT LIGHTING



PHOTOGRAPHY BY PETER FRANK EDWARDS | COASTAL LIVING
HARDY ISLAND 1536MZ-5W27FL, PAGE 16

THE ONLY SPOT LIGHT YOU WILL EVER NEED

THE 1536 SERIES IS A CUTTING EDGE MODULAR LED LIGHT ENGINE SYSTEM DESIGNED TO MEET ANY SPOT LIGHT NEED.



FIELD CHANGEABLE LENS
LED ENGINE
BI-PIN SOCKET



MATTE BRONZE

BRONZE

FROM LEFT:

1536 MZ
HARDY ISLAND™ SPOT LIGHT
2½" DIA. SHROUD, 5¾" L, 3¼" H

1536 BZ
SPOT LIGHT
2½" DIA. SHROUD, 5¾" L, 3¼" H

3 LENS OPTIONS OFFER VERSATILITY IN BEAM SPREAD via an easy to remove and insert optic assembly

LED ENGINES AVAILABLE IN 3W, 5W AND 7.5W NOW IN BOTH 2700K AND 3000K



00G2FO-FLOOD
FLOOD SPREAD LENS



00G2FO-MEDIUM
MEDIUM SPREAD LENS



00G2FO-SPOT
SPOT LENS



27G2SE-20, 27G2SE-35, 27G2SE-50
CREE 2700K 3W, 5W, 7.5W LED
00G2SE-20, 00G2SE-35, 00G2SE-50
CREE 3000K 3W, 5W, 7.5W LED



Incorporates CREE LEDs with application performance tested by CREE.

HARDY ISLAND  CAST BRASS SPOT LIGHTS

 LED ITEM	DESCRIPTION	LED ENGINE (INCLUDED)	COLOR TEMP.	POWER SUPPLY REQUIREMENT	INCANDESCENT EQUIVALENCY	FINISH	CONSTRUCTION	GLASS LENS
1536 MZ-3W27FL 1536 MZ-3W27MD 1536 MZ-3W27SP	60° LED Flood Light 40° LED Medium Light 25° LED Spot Light	27G2SE-20	2700K	3w / 3.2VA	20w	Matte Bronze	Cast Brass	Clear*
1536 MZ-5W27FL 1536 MZ-5W27MD 1536 MZ-5W27SP	60° LED Flood Light 40° LED Medium Light 25° LED Spot Light	27G2SE-35	2700K	5w / 5.3VA	35w	Matte Bronze	Cast Brass	Clear*
1536 MZ-8W27FL 1536 MZ-8W27MD 1536 MZ-8W27SP	60° LED Flood Light 40° LED Medium Light 25° LED Spot Light	27G2SE-50	2700K	7.5w / 7.8VA	50w	Matte Bronze	Cast Brass	Clear*
1536 MZ-3WLEDLFL 1536 MZ-3WLEDMD 1536 MZ-3WLEDSP	60° LED Flood Light 40° LED Medium Light 25° LED Spot Light	00G2SE-20	3000K	3w / 3.2VA	20w	Matte Bronze	Cast Brass	Clear*
1536 MZ-5WLEDLFL 1536 MZ-5WLEDMD 1536 MZ-5WLEDSP	60° LED Flood Light 40° LED Medium Light 25° LED Spot Light	00G2SE-35	3000K	5w / 5.3VA	35w	Matte Bronze	Cast Brass	Clear*
1536 MZ-8WLEDLFL 1536 MZ-8WLEDMD 1536 MZ-8WLEDSP	60° LED Flood Light 40° LED Medium Light 25° LED Spot Light	00G2SE-50	3000K	7.5w / 7.8VA	50w	Matte Bronze	Cast Brass	Clear*

CAST ALUMINUM SPOT LIGHTS

 LED ITEM	DESCRIPTION	LED ENGINE (INCLUDED)	COLOR TEMP.	POWER SUPPLY REQUIREMENT	INCANDESCENT EQUIVALENCY	FINISH	CONSTRUCTION	GLASS LENS
1536 BZ-3W27FL 1536 BZ-3W27MD 1536 BZ-3W27SP	60° LED Flood Light 40° LED Medium Light 25° LED Spot Light	27G2SE-20	2700K	3w / 3.2VA	20w	Bronze	Cast Aluminum	Clear*
1536 BZ-5W27FL 1536 BZ-5W27MD 1536 BZ-5W27SP	60° LED Flood Light 40° LED Medium Light 25° LED Spot Light	27G2SE-35	2700K	5w / 5.3VA	35w	Bronze	Cast Aluminum	Clear*
1536 BZ-8W27FL 1536 BZ-8W27MD 1536 BZ-8W27SP	60° LED Flood Light 40° LED Medium Light 25° LED Spot Light	27G2SE-50	2700K	7.5w / 7.8VA	50w	Bronze	Cast Aluminum	Clear*
1536 BZ-3WLEDLFL 1536 BZ-3WLEDMD 1536 BZ-3WLEDSP	60° LED Flood Light 40° LED Medium Light 25° LED Spot Light	00G2SE-20	3000K	3w / 3.2VA	20w	Bronze	Cast Aluminum	Clear*
1536 BZ-5WLEDLFL 1536 BZ-5WLEDMD 1536 BZ-5WLEDSP	60° LED Flood Light 40° LED Medium Light 25° LED Spot Light	00G2SE-35	3000K	5w / 5.3VA	35w	Bronze	Cast Aluminum	Clear*
1536 BZ-8WLEDLFL 1536 BZ-8WLEDMD 1536 BZ-8WLEDSP	60° LED Flood Light 40° LED Medium Light 25° LED Spot Light	00G2SE-50	3000K	7.5w / 7.8VA	50w	Bronze	Cast Aluminum	Clear*

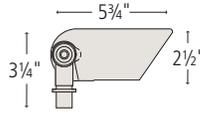
*Optional performance lenses available, see page 75. A wiring kit and ground spike (0014 BZ, page 75) are supplied. Photometrics for 1536 spot lights are available on pages 78-79.

LED MODULES FOR 1536 SERIES SPOT LIGHTS

ITEM	DESCRIPTION	COLOR TEMP.	POWER SUPPLY REQUIREMENT	LUMEN OUTPUT	CRI	LIFESPAN (HOURS)	CONSTRUCTION
27G2SE-20	CREE 3 Watt LED	2700K	3w / 3.2VA	225	80	60,000	Cast Aluminum
27G2SE-35	CREE 5 Watt LED	2700K	5w / 5.3VA	325	80	60,000	Cast Aluminum
27G2SE-50	CREE 8 Watt LED	2700K	7.5w / 7.8VA	450	80	60,000	Cast Aluminum
00G2SE-20	CREE 3 Watt LED	3000K	3w / 3.2VA	250	80	60,000	Cast Aluminum
00G2SE-35	CREE 5 Watt LED	3000K	5w / 5.3VA	350	80	60,000	Cast Aluminum
00G2SE-50	CREE 8 Watt LED	3000K	7.5w / 7.8VA	475	80	60,000	Cast Aluminum

LED LENS FOR 00G2SE & 27G2SE ENGINES

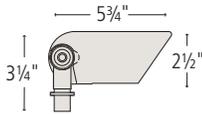
ITEM	DESCRIPTION	FINISH	BEAM SPREAD	CONSTRUCTION
00G2FO-FLOOD	Flood Spread Lens	Black	60°	Composite
00G2FO-MEDIUM	Medium Spread Lens	Gray	40°	Composite
00G2FO-SPOT	Spot Lens	White	25°	Composite



1536 MZ
HARDY ISLAND™
50W MR16 SPOT LIGHT
2 1/2" DIA. SHROUD
5 3/4" L, 3 1/4" H



1536 BZ
50W MR16 SPOT LIGHT
2 1/2" DIA. SHROUD
5 3/4" L, 3 1/4" H



Lens View

1536 BZ-DN
50W MR16 DOWN LIGHT
2 1/2" DIA. SHROUD
5 3/4" L, 3 1/4" H

ITEM	LAMP (NOT INCLUDED)	WATTAGE	BULB FOR LED CONVERSION (NOT INCLUDED)	FINISH	CONSTRUCTION	LENS
1536 BZ	MR16	up to 50w	MR16 LED	Bronze	Cast Aluminum	Clear
1536 BZ-DN	MR16	up to 50w	MR16 LED	Bronze	Cast Aluminum	Hex Louver*
1536 MZ	MR16	up to 50w	MR16 LED	Brass	Solid Brass	Clear

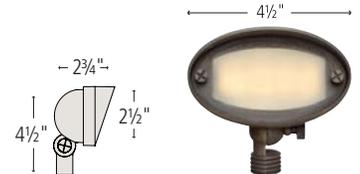
*Includes Hex Louver lens for down light use only. Optional performance lenses available, see page 75. Photometrics for spot lights are based off bulb photometrics. See pages 80-83. See pages 80-81 for LED conversion lamps. A wiring kit and ground spike (0014 BZ, page 75) are supplied. 1536 BZ-DN mounting hardware not included. For accessories, see pages 74-75. For transformers, see pages 76-77.



16501 MZ
16501 MZ-27K60
 HARDY ISLAND™
 SPOT LIGHT
 1 3/4" DIA. SHROUD
 4 3/4" L, 2 1/2" H



DESIGN NOTE 16571 is oval in shape.



16507 MZ
16507 MZ-27K60
 HARDY ISLAND™
 SPOT LIGHT & STEM
 1 3/4" DIA. SHROUD
 4 3/4" L, 26 1/2" H



16571 MZ
16571 MZ-LED
 HARDY ISLAND™ SMALL
 WALL WASH FLOOD LIGHT
 4 1/2" W, 2 1/2" H SHROUD
 2 3/4" L, 4 1/2" H

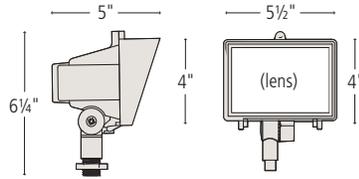


LED ITEM	LED ENGINE (INCLUDED)	POWER SUPPLY REQUIREMENT	INCANDESCENT EQUIVALENCY	ITEM	LAMP (NOT INCLUDED)	WATTAGE	BULB FOR LED CONVERSION (NOT INCLUDED)	FINISH	CONSTRUCTION	LENS
16501 MZ-27K60	MR8LED60	2.5w	10w	16501 MZ	MR11	up to 20w	MR8LED60	Matte Bronze	Cast Brass	Clear
16507 MZ-27K60	MR8LED60	2.5w	10w	16507 MZ	MR11	up to 20w	MR8LED60	Matte Bronze	Cast Brass	Clear
16571 MZ-LED	NX3	3.8w / 5.7VA	25w	16571 MZ	T4	up to 35w		Matte Bronze	Cast Brass	Frosted

Photometrics for spot lights are based off bulb photometrics. See pages 80-83. See pages 80-81 for LED conversion lamps. A wiring kit and ground spike (0014 BZ, page 75) are supplied. For accessories, see pages 74-75. For transformers, see pages 76-77.

PHOTOMETRICS (BASED ON VARIOUS MOUNTING DISTANCES AT 22° ANGLE)

HORIZONTAL DISTANCE FROM CENTER		LED ITEM / ITEM	1'	2'	3'	4'	5'	6'	7'	8'
FOOT CANDLES	3' From Object	16571 MZ-LED	10.55	6.53	3.88	1.63	0.66	0.43	0.30	0.13
	6' From Object		6.96	4.31	2.56	1.08	0.44	0.28	0.20	0.09
	3' From Object	16571 MZ	8.44	5.22	3.10	1.30	0.53	0.34	0.24	0.10
	6' From Object		5.57	3.45	2.05	0.86	0.35	0.23	0.16	0.07



1520 BZ
50W FLOOD LIGHT
WITH CLEAR LENS
5 1/2" W, 4" H SHROUD
5" L, 6 1/4" H

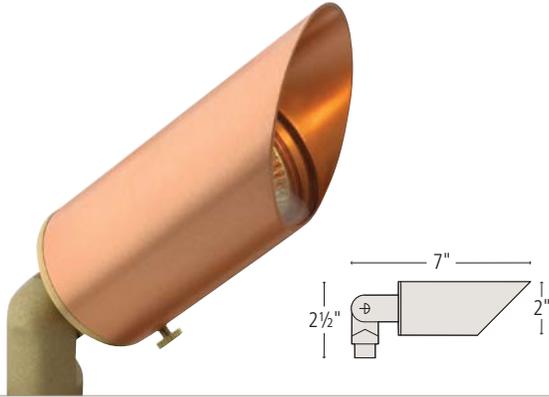
1521 BZ
50W FLOOD LIGHT
WITH FROSTED LENS
5 1/2" W, 4" H SHROUD
5" L, 6 1/4" H

ITEM	LAMP (NOT INCLUDED)	WATTAGE	BULB FOR LED CONVERSION (NOT INCLUDED)	FINISH	CONSTRUCTION	LENS
1520 BZ	T4	up to 50w	T3 LED	Bronze	Cast Aluminum	Clear
1521 BZ	T4	up to 50w	T3 LED	Bronze	Cast Aluminum	Frosted

See pages 80-81 for LED conversion lamps. A wiring kit and ground spike (0014 BZ, page 75) are supplied. For accessories, see pages 74-75. For transformers, see pages 76-77.

PHOTOMETRICS (BASED ON VARIOUS MOUNTING DISTANCES AT 22° ANGLE USING T4 LAMP)

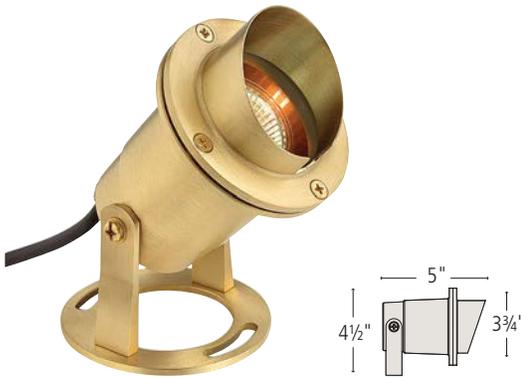
HORIZONTAL LIGHT SPREAD		ITEM	1'	2'	3'	4'	5'	6'	7'	8'	9'
FOOT CANDLES	3' From Object	1520 BZ	14.21	7.04	4.08	2.59	1.36	0.86	0.62	0.37	0.12
	6' From Object		4.87	4.58	3.59	2.71	1.82	1.13	0.74	0.64	0.54
	9' From Object		2.24	2.15	2.10	1.83	1.56	1.29	0.93	0.75	0.57
	3' From Object	1521 BZ	14.98	9.56	4.75	2.35	1.14	0.53	0.30	0.18	0.06
	6' From Object		4.48	3.90	3.27	2.51	1.90	1.32	0.93	0.68	0.44
	9' From Object		1.96	1.72	1.56	1.35	1.14	0.93	0.73	0.56	0.35



1583 NC
50W MR16 COPPER SPOT LIGHT
2" DIA. SHROUD
5 3/4" L, 3 1/4" H



1530 BZ
20W MR11 SPOT LIGHT
1 3/4" DIA. SHROUD
3 1/2" L, 2 1/2" H



1539 BS
50W MR16 BRASS SUBMERSIBLE
POND LIGHT
3 3/4" DIA. SHROUD
5" L, 4 1/2" H

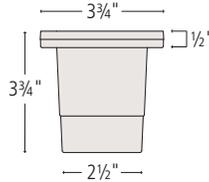


1538 BZ
50W MR16 SPOT LIGHT
3" DIA. SHROUD
5 1/2" L, 4 1/4" H

ITEM	LAMP (NOT INCLUDED)	WATTAGE	BULB FOR LED CONVERSION (NOT INCLUDED)	FINISH	CONSTRUCTION	LENS
1530 BZ	MR11	up to 20w	MR8LED60	Bronze	Cast Aluminum	Clear
1538 BZ	MR16	up to 50w	MR16 LED	Bronze	PPS Composite	Clear*
1539 BS	MR16	up to 50w	MR16 LED	Brass	Solid Brass	Clear
1583 NC	MR16	up to 50w	MR16 LED	Natural Copper	Copper and Brass	Clear

*Optional performance lenses available, see page 75. Photometrics for spot lights are based off bulb photometrics. See pages 80-83. See pages 80-81 for LED conversion lamps. A wiring kit and ground spike (0014 BZ, page 75) are supplied. For accessories, see pages 74-75. For transformers, see pages 76-77.

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



4 1/8" DIA., 5" H
3" DIA. BASE

16701 MZ
16701 MZ-27K25, 16701 MZ-27K60
16701 MZ-3K25, 16701 MZ-3K60
HARDY ISLAND™ FLAT TOP WELL LIGHT
3 3/4" DIA., 3 3/4" H, 1/2" H TOP
2 1/2" DIA. BASE

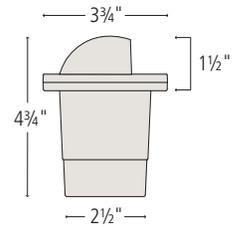
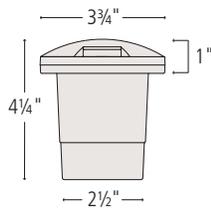


16704 MZ
16704 MZ-27K25, 16704 MZ-27K60
16704 MZ-3K25, 16704 MZ-3K60
HARDY ISLAND™ GRILL TOP WELL LIGHT
3 3/4" DIA., 4" H, 1" H TOP
2 1/2" DIA. BASE



LED ITEM	LED LAMP (INCLUDED)	WATTAGE	INCANDESCENT EQUIVALENCY	ITEM	LAMP (NOT INCLUDED)	WATTAGE	BULB FOR LED CONVERSION (NOT INCLUDED)	FINISH	CONSTRUCTION	LENS
16701 MZ-27K25	25° 2700K MR16	2w	20w	16701 MZ	MR16	up to 20w	MR16 LED	Matte Bronze	Cast Brass	Clear
16701 MZ-27K60	60° 2700K MR16	2w	20w							
16701 MZ-3K25	25° 3000K MR16	2w	20w							
16701 MZ-3K60	60° 3000K MR16	2w	20w							
16704 MZ-27K25	25° 2700K MR16	2w	20w	16704 MZ	MR16	up to 20w	MR16 LED	Matte Bronze	Cast Brass	Clear
16704 MZ-27K60	60° 2700K MR16	2w	20w							
16704 MZ-3K25	25° 3000K MR16	2w	20w							
16704 MZ-3K60	60° 3000K MR16	2w	20w							

A wiring kit is supplied. Photometrics for spot lights are based off bulb photometrics. See pages 80-83. See pages 80-81 for LED conversion lamps. For accessories, see pages 74-75. For transformers, see pages 76-77.



16710 MZ
16710 MZ-3K60
 HARDY ISLAND™ DIRECTIONAL WELL LIGHT
 3 3/4" DIA., 4 1/4" H, 1" H TOP
 2 1/2" DIA. BASE



16707 MZ
16707 MZ-3K25
 HARDY ISLAND™ EYEBROW WELL LIGHT
 3 3/4" DIA., 4 3/4" H, 1 1/2" H TOP
 2 1/2" DIA. BASE



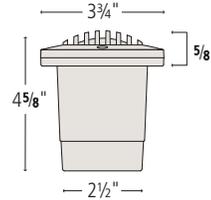
LED ITEM	LED LAMP (INCLUDED)	WATTAGE	INCANDESCENT EQUIVALENCY	ITEM	LAMP (NOT INCLUDED)	WATTAGE	BULB FOR LED CONVERSION (NOT INCLUDED)	FINISH	CONSTRUCTION	LENS
16707 MZ-3K25	25° 3000K MR16	2w	20w	16707 MZ	MR16	up to 20w	T3 LED	Matte Bronze	Cast Brass	Frosted
16710 MZ-3K60	60° 3000K MR16	2w	20w	16710 MZ	MR16	up to 20w	T3 LED	Matte Bronze	Cast Brass	Clear

A wiring kit is supplied. Photometrics for spot lights are based off bulb photometrics. See pages 80-83. See pages 80-81 for LED conversion lamps. For accessories, see pages 74-75. For transformers, see pages 76-77.

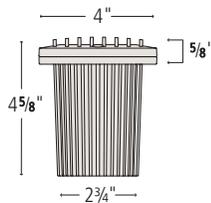
1599BS comes with an easy installation, anti-corrosion PVC burial sleeve.



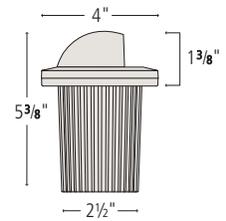
3/4" DIA., 5" H



1599 BS
50W MR16 BRASS WELL LIGHT
3 3/4" DIA., 4 5/8" H, 5/8" H TOP
2 1/2" DIA. BASE



1590 BZ
50W MR16 WELL LIGHT
4" DIA., 4 5/8" H, 5/8" H TOP
2 3/4" DIA. BASE



1595 BZ
SHIELDED 50W MR16 WELL LIGHT
4" DIA., 5 3/8" H, 1 3/8" H TOP
2 1/2" DIA. BASE

ITEM	LAMP (NOT INCLUDED)	WATTAGE	BULB FOR LED CONVERSION (NOT INCLUDED)	FINISH	CONSTRUCTION	LENS
1590 BZ	MR16	up to 50w	MR16 LED	Bronze	Cast Aluminum	Clear Domed
1595 BZ	MR16	up to 50w	MR16 LED	Bronze	Cast Aluminum	Clear Domed
1599 BS	MR16	up to 50w	MR16 LED	Brass	Solid Brass with PVC Burial Sleeve	Clear

A wiring kit is supplied. Photometrics for spot lights are based off bulb photometrics. See pages 80-83. See pages 80-81 for LED conversion lamps. For accessories, see pages 74-75. For transformers, see pages 76-77.

PATH / AREA

LIGHTING



HARBOR 1561SK-LED, PAGE 35
ANCHORAGE 1858DZ, HINKLEY FULL LINE CATALOG



HIGH PERFORMANCE BOLLARDS

STREAMLINED DESIGN + DURABILITY + EFFICIENT LIGHT OUTPUT



COORDINATING OUTDOOR LANTERN
COLLECTIONS ARE AVAILABLE FOR
ALL BOLLARDS.

LUNA BOLLARD IN
BRONZE AND TITANIUM,
SEE PAGE 27



15609 BZ
15609 BZ-LED
LUNA™ BOLLARD
3" DIA., 30" H



15609 TT
15609 TT-LED
LUNA™ BOLLARD
3" DIA., 30" H



15607 KZ
15607 KZ-LED
SHELTER™ BOLLARD
4" W, 30" H



15607 HE
15607 HE-LED
SHELTER™ BOLLARD
4" W, 30" H



15607 BK
15607 BK-LED
SHELTER™ BOLLARD
4" W, 30" H



LED ITEM	LED ENGINE (INCLUDED)	POWER SUPPLY REQUIREMENT	INCANDESCENT EQUIVALENCY	ITEM	LAMP (NOT INCLUDED)	MAX. WATTAGE	FINISH	CONSTRUCTION	LENS
15607 BK-LED	27G2SE-35	5w / 5.3VA	35w	15607 BK	MR16	35w	Black	Aluminum	Clear Acrylic Outside Cylinder Seedy Glass Inside Panel
15607 HE-LED	27G2SE-35	5w / 5.3VA	35w	15607 HE	MR16	35w	Hematite	Aluminum	Clear Acrylic Outside Cylinder Seedy Glass Inside Panel
15607 KZ-LED	27G2SE-35	5w / 5.3VA	35w	15607 KZ	MR16	35w	Buckeye Bronze	Aluminum	Clear Acrylic Outside Cylinder Seedy Glass Inside Panel
15609 BZ-LED	27G2SE-35	5w / 5.3VA	35w	15609 BZ	MR16	50w	Bronze	Aluminum	Etched Glass
15609 TT-LED	27G2SE-35	5w / 5.3VA	35w	15609 TT	MR16	50w	Titanium	Aluminum	Etched Glass

See pages 80-83 for lamping options (not included). A wiring kit and universal bollard mount with 2" diameter power post are supplied. For accessories, see pages 74-75. For transformers, see pages 76-77.



15601 BZ
15601 BZ-LED
ATLANTIS™
ROUND BOLLARD
3" DIA., 30" H



15601 TT
15601 TT-LED
ATLANTIS™
ROUND BOLLARD
3" DIA., 30" H



15602 BZ
15602 BZ-LED
ATLANTIS™
SQUARE BOLLARD
3" SQ., 30" H



15602 TT
15602 TT-LED
ATLANTIS™
SQUARE BOLLARD
3" SQ., 30" H



LED ITEM	LED ENGINE (INCLUDED)	POWER SUPPLY REQUIREMENT	INCANDESCENT EQUIVALENCY	ITEM	LAMP (NOT INCLUDED)	MAX. WATTAGE	FINISH	CONSTRUCTION	LENS
15601 BZ-LED	27G2SE-35	5w / 5.3VA	35w	15601 BZ	MR16	50w	Bronze	Aluminum	Etched Glass
15601 TT-LED	27G2SE-35	5w / 5.3VA	35w	15601 TT	MR16	50w	Titanium	Aluminum	Etched Glass
15602 BZ-LED	27G2SE-35	5w / 5.3VA	35w	15602 BZ	MR16	50w	Bronze	Aluminum	Etched Glass
15602 TT-LED	27G2SE-35	5w / 5.3VA	35w	15602 TT	MR16	50w	Titanium	Aluminum	Etched Glass

See pages 80-83 for lamping options (not included). A wiring kit and universal bollard mount with 2" diameter power post are supplied. For accessories, see pages 74-75. For transformers, see pages 76-77.



15604 BZ
15604 BZ-LED
SOLARA™ BOLLARD
3" DIA., 30" H



15604 TT
15604 TT-LED
SOLARA™ BOLLARD
3" DIA., 30" H



15612 BZ
15612 BZ-LED
DORIAN™ BOLLARD
3" SQ., 30" H



15612 TT
15612 TT-LED
DORIAN™ BOLLARD
3" SQ., 30" H



LED ITEM	LED ENGINE (INCLUDED)	POWER SUPPLY REQUIREMENT	INCANDESCENT EQUIVALENCY	ITEM	LAMP (NOT INCLUDED)	MAX. WATTAGE	FINISH	CONSTRUCTION	LENS
15604 BZ-LED	27G2SE-35	5w / 5.3VA	35w	15604 BZ	MR16	35w	Bronze	Aluminum	White Acrylic
15604 TT-LED	27G2SE-35	5w / 5.3VA	35w	15604 TT	MR16	35w	Titanium	Aluminum	White Acrylic
15612 BZ-LED	27G2SE-35	5w / 5.3VA	35w	15612 BZ	MR16	50w	Bronze	Aluminum	Etched Glass
15612 TT-LED	27G2SE-35	5w / 5.3VA	35w	15612 TT	MR16	50w	Titanium	Aluminum	Etched Glass

See pages 80-83 for lamplng options (not included). A wiring kit and universal bollard mount with 2" diameter power post are supplied. For accessories, see pages 74-75. For transformers, see pages 76-77.



15714 BZ
ARC™ PATH LIGHT
1½" W, 23" H
17" EXT.



15711 BZ
ARC™ PATH LIGHT
1½" W, 14½" H
7¼" EXT.



15714 TT
ARC™ PATH LIGHT
1½" W, 23" H
17" EXT.



15711 TT
ARC™ PATH LIGHT
1½" W, 14½" H
7¼" EXT.



LED ITEM	LED ENGINE (INCLUDED)	POWER SUPPLY REQUIREMENT	INCANDESCENT EQUIVALENCY	FINISH	CONSTRUCTION	LENS
15711 BZ	E5050LED	1.5w / 2.4VA	12w	Bronze	Aluminum	Etched Acrylic
15711 TT	E5050LED	1.5w / 2.4VA	12w	Titanium	Aluminum	Etched Acrylic
15714 BZ	E5050LED	1.5w / 2.4VA	12w	Bronze	Aluminum	Etched Acrylic
15714 TT	E5050LED	1.5w / 2.4VA	12w	Titanium	Aluminum	Etched Acrylic

A wiring kit and ground spike (0014BZ, page 75) are supplied. For accessories, see pages 74-75. For transformers, see pages 76-77.

PHOTOMETRICS

DISTANCE FROM LIGHT	LED ITEM	1'	2'	3'	4'	5'	6'	7'
FOOT CANDLES	15711 BZ, 15711 TT	11.40	5.53	2.20	1.18	0.74	0.48	0.13
	15714 BZ, 15714 TT	7.02	2.52	1.06	0.35	0.16	0.12	



1548 BZ
1548 BZ-LED
 PIZA™ PATH LIGHT
 1¾" W, 15" H, 2¾" D
 10" EXT.



1548 TT
1548 TT-LED
 PIZA™ PATH LIGHT
 1¾" W, 15" H, 2¾" D
 10" EXT.



1502 BZ
1502 BZ-LED
 CONTEMPO™ PATH LIGHT
 8" W, 22" H



LED ITEM	LED ENGINE (INCLUDED)	POWER SUPPLY REQUIREMENT	INCANDESCENT EQUIVALENCY	ITEM	LAMP INCLUDED	WATTAGE	FINISH	CONSTRUCTION	GLASS LENS
1502 BZ-LED	NX3	3.8w / 5.7VA	25w	1502 BZ	921	18w	Bronze	Cast Aluminum	Etched Opal
1548 BZ-LED	NX3	3.8w / 5.7VA	25w	1548 BZ	921	18w	Bronze	Aluminum	Etched
1548 TT-LED	NX3	3.8w / 5.7VA	25w	1548 TT	921	18w	Titanium	Aluminum	Etched

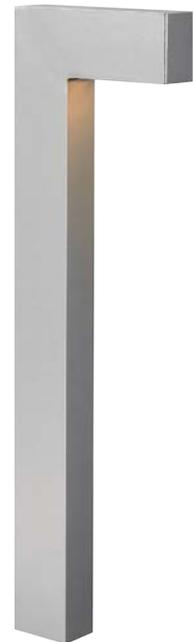
See pages 80-81 for LED conversion lamps. A wiring kit and ground spike (0014BZ, page 75) are supplied. For accessories, see pages 74-75. For transformers, see pages 76-77.

PHOTOMETRICS

DISTANCE FROM LIGHT	LED ITEM	1'	2'	3'	4'	5'	6'	7'	8'	ITEM	1'	2'	3'	4'	5'
FOOT CANDLES	1502 BZ-LED	6.8	2.72	1.18	0.6	0.36	0.23	0.16	0.11	1502 BZ	4.03	3.03	0.81	0.12	
	1548 BZ-LED 1548 TT-LED	12.91	2.21	0.81	0.22	0.09				1548 BZ 1548 TT	6.76	2.25	0.88	0.49	0.10



DESIGN NOTE Atlantis 1518CD-LED is made from natural cedar wood, featuring individually unique wood grain patterns and color tones



1518 CD-LED
ATLANTIS™ PATH LIGHT
6½" W, 22" H, 1¼" EXT.



1518 BZ
1518 BZ-LED
ATLANTIS™ PATH LIGHT
6½" W, 22" H, 1¼" EXT.



1518 HE
1518 HE-LED
ATLANTIS™ PATH LIGHT
6½" W, 22" H, 1¼" EXT.



1518 TT
1518 TT-LED
ATLANTIS™ PATH LIGHT
6½" W, 22" H, 1¼" EXT.



 LED ITEM	LED ENGINE (INCLUDED)	POWER SUPPLY REQUIREMENT	INCANDESCENT EQUIVALENCY	ITEM	LAMP (INCLUDED)	WATTAGE	BULB FOR LED CONVERSION (NOT INCLUDED)	FINISH	CONSTRUCTION	GLASS LENS
1518 BZ-LED	NX3	3.8w / 5.7VA	25w	1594 BZ	T3	20w	T3 LED	Bronze	Aluminum	Etched
1518 CD-LED	NX3	3.8w / 5.7VA	25w					Cedar	Natural Cedar and Aluminum	Etched
1518 HE-LED	NX3	3.8w / 5.7VA	25w	1594 HE	T3	20w	T3 LED	Hematite	Aluminum	Etched
1518 TT-LED	NX3	3.8w / 5.7VA	25w	1594 TT	T3	20w	T3 LED	Titanium	Aluminum	Etched

See pages 80-81 for LED conversion lamps. A wiring kit and ground spike (0014BZ, page 75) are supplied. For accessories, see pages 74-75. For transformers, see pages 76-77.

PHOTOMETRICS

DISTANCE FROM LIGHT	LED ITEM	1'	2'	3'	4'	5'	ITEM	1'	2'	3'	4'
FOOT CANDLES	1518 BZ-LED, 1518 CD-LED, 1518 HE-LED, 1518 TT-LED	8.73	2.62	1.64	0.22	0.07	1518 BZ, 1518 HE, 1518 TT	5.00	1.13	0.27	0.16



15014 BZ
ATLANTIS™ SMALL
PATH LIGHT
6½" W, 15" H, 1¼" EXT.



15014 HE
ATLANTIS™ SMALL
PATH LIGHT
6½" W, 15" H, 1¼" EXT.



15014 TT
ATLANTIS™ SMALL
PATH LIGHT
6½" W, 15" H, 1¼" EXT.



 LED ITEM	LED ENGINE (INCLUDED)	POWER SUPPLY REQUIREMENT	INCANDESCENT EQUIVALENCY	FINISH	CONSTRUCTION	GLASS LENS
15014 BZ	NX3	3.8w / 5.7VA	25w	Bronze	Aluminum	Etched
15014 HE	NX3	3.8w / 5.7VA	25w	Hematite	Aluminum	Etched
15014 TT	NX3	3.8w / 5.7VA	25w	Titanium	Aluminum	Etched

A wiring kit and ground spike (0014BZ, page 75) are supplied. For accessories, see pages 74-75. For transformers, see pages 76-77.

PHOTOMETRICS

DISTANCE FROM LIGHT	LED ITEM	1'	2'	3'	4'	5'
FOOT CANDLES	15014 BZ, 15014 HE, 15014 TT	16.20	3.50	1.30	0.11	0.05



1547 HE
SHELTER™ PATH LIGHT
4½" W, 22¼" H



1547 KZ
SHELTER™ PATH LIGHT
4½" W, 22¼" H



1579 MT
SATURN™ PATH LIGHT
4½" W, 22¼" H



1579 SS
SATURN™ PATH LIGHT
4½" W, 22¼" H

ITEM	LAMP (INCLUDED)	WATTAGE	BULB FOR LED CONVERSION (NOT INCLUDED)	FINISH	CONSTRUCTION	GLASS
1547 HE	921	18w	T5 LED	Hematite	Aluminum	Clear Seedy
1547 KZ	921	18w	T5 LED	Bronze	Aluminum	Clear Seedy
1579 MT	921	18w	T5 LED	Metro Bronze	Solid Brass	Etched Opal
1579 SS	921	18w	T5 LED	Stainless Steel	Solid Brass	Etched Opal

See pages 80-81 for LED conversion lamps. A wiring kit and ground spike (0014BZ, page 75) are supplied. For accessories, see pages 74-75. For transformers, see pages 76-77.

PHOTOMETRICS

DISTANCE FROM LIGHT	ITEM	1'	2'	3'	4'	5'	6'
FOOT CANDLES	1547 HE, 1547 KZ	4.90	3.35	1.31	0.74	0.33	.060
	1579 MT, 1579 SS	0.89	0.85	0.33	0.11	0.02	



1560 AR
HARBOR™ PATH LIGHT
7" W, 24" H

1561 AR
1561 AR-LED
HARBOR™ PATH LIGHT
7½" W, 21" H



1561 SK
1561 SK-LED
HARBOR™ PATH LIGHT
7½" W, 21" H



1561 TT
1561 TT-LED
HARBOR™ PATH LIGHT
7½" W, 21" H



LED ITEM	LED ENGINE (INCLUDED)	POWER SUPPLY REQUIREMENT	INCANDESCENT EQUIVALENCY	ITEM	LAMP (INCLUDED)	WATTAGE	BULB FOR LED CONVERSION (NOT INCLUDED)	FINISH	CONSTRUCTION	GLASS OR LENS
				1560 AR	921	18w	T5 LED	Anchor Bronze	Aluminum	Etched Amber Bound Seedy
1561 AR-LED	NX3	3.8w / 5.7VA	25w	1561 AR	921	18w	T5 LED	Anchor Bronze	Aluminum	Etched Lens
1561 SK-LED	NX3	3.8w / 5.7VA	25w	1561 SK	921	18w	T5 LED	Satin Black	Aluminum	Etched Lens
1561 TT-LED	NX3	3.8w / 5.7VA	25w	1561 TT	921	18w	T5 LED	Titanium	Aluminum	Etched Lens

See pages 80-81 for LED conversion lamps. A wiring kit and ground spike (0014BZ, page 75) are supplied. For accessories, see pages 74-75. For transformers, see pages 76-77.

PHOTOMETRICS

DISTANCE FROM LIGHT	LED ITEM	1'	2'	3'	4'	5'	6'	7'	ITEM	1'	2'	3'	4'	5'	6'	7'
FOOT CANDLES									1560 AR	4.96	2.22	0.50	0.28	0.17	0.09	0.05
	1561 AR-LED, 1561 SK-LED, 1561 TT-LED	19.92	4.84	1.26	0.43	0.16	0.07	0.04	1561 AR, 1561 SK, 1561 TT	8.90	2.78	0.78	0.36	0.07	0.03	



1544 BK
1544 BK-LED
ELLIPSE™ PATH LIGHT
5¾" W, 14½"-20½" H



1544 SC
1544 SC-LED
ELLIPSE™ PATH LIGHT
5¾" W, 14½"-20½" H



1573 BK
1573 BK-LED
SAUCER™ PATH LIGHT
8" W, 15½"-21½" H



1573 SC
1573 SC-LED
SAUCER™ PATH LIGHT
8" W, 15½"-21½" H



LED ITEM	LED ENGINE (INCLUDED)	POWER SUPPLY REQUIREMENT	INCANDESCENT EQUIVALENCY	ITEM	LAMP (INCLUDED)	WATTAGE	BULB FOR LED CONVERSION (NOT INCLUDED)	FINISH	CONSTRUCTION
1544 BK-LED	IPL-30	2.3w / 3.9VA	12w	1544 BK	912	12w	T5 LED	Black	Cast Aluminum
1544 SC-LED	IPL-30	2.3w / 3.9VA	12w	1544 SC	912	12w	T5 LED	Southern Clay	Cast Aluminum
1573 BK-LED	IPL-30	2.3w / 3.9VA	12w	1573 BK	912	12w	T5 LED	Black	Cast Aluminum
1573 SC-LED	IPL-30	2.3w / 3.9VA	12w	1573 SC	912	12w	T5 LED	Southern Clay	Cast Aluminum

See pages 80-81 for LED conversion lamps. A wiring kit and ground spike (0014BZ, page 75) are supplied. For accessories, see pages 74-75. For transformers, see pages 76-77.

PHOTOMETRICS

DISTANCE FROM LIGHT	LED ITEM	1'	2'	3'	4'	5'	6'	ITEM	1'	2'	3'	4'	5'	6'	7'
FOOT CANDLES	1544 BK-LED 1544 SC-LED	3.64	1.18	0.44	0.28	0.13	0.06	1544 BK 1544 SC	3.88	1.13	0.38	0.16	0.10	0.03	
	1573 BK-LED 1573 SC-LED	3.62	1.19	0.43	0.22	0.16	0.07	1573 BK 1573 SC	4.00	1.26	0.61	0.38	0.20	0.09	0.03



1558 BK/SC: 180° swiveling head allows for maximum flexibility, and can be used for wall wash applications.

FORM & FUNCTION

1570FS: decorative 120° rotating head allows for flexible precision to illuminate a variety of spaces.

1558 SC
1558 SC-LED
SHELL™ PATH LIGHT
6" W, 15½"-21½" H

1558 BK
1558 BK-LED
SHELL™ PATH LIGHT
6" W, 15½"-21½" H

1570 FS
LEAF™ PATH LIGHT
7" W, 20" H, 11" EXT.

LED ITEM	LED ENGINE (INCLUDED)	POWER SUPPLY REQUIREMENT	INCANDESCENT EQUIVALENCY	ITEM	LAMP (INCLUDED)	WATTAGE	BULB FOR LED CONVERSION (NOT INCLUDED)	FINISH	CONSTRUCTION	GLASS LENS
1558 BK-LED	IPL-30	2.3w / 3.9VA	12w	1558 BK	912	12w	T5 LED	Black	Cast Aluminum	Frosted
1558 SC-LED	IPL-30	2.3w / 3.9VA	12w	1558 SC	912	12w	T5 LED	Southern Clay	Cast Aluminum	Frosted
1570 FS	NX3	3.8w / 5.7VA	25w					Forest	Aluminum	Frosted

See pages 80-81 for LED conversion lamps. A wiring kit and ground spike (0014BZ, page 75) are supplied. For accessories, see pages 74-75. For transformers, see pages 76-77.

PHOTOMETRICS

DISTANCE FROM LIGHT	LED ITEM	1'	2'	3'	4'	5'	ITEM	1'	2'	3'	4'	5'	6'
FOOT CANDLES	1558 BK-LED 1558 SC-LED	14.73	4.84	1.13	0.31	0.10	1558 BK 1558 SC	9.48	2.99	0.58	0.16	0.05	0.01
	1570 FS	12.36	1.67	0.13	0.07	0.03							

DESIGNED for
DURABILITY

Hardy Island path lights are backed by a lifetime warranty, ensuring long-lasting performance in any environment.



16007 MZ
16007 MZ-LED
HARDY ISLAND™
LARGE HAMMERED
PATH LIGHT
6¾" W, 23½" H




16010 MZ
16010 MZ-LED
HARDY ISLAND™
SMALL HAMMERED
PATH LIGHT
6¾" W, 15½" H




16004 MZ
16004 MZ-LED
HARDY ISLAND™
SMALL TRADITIONAL
PATH LIGHT
7" W, 15½" H




16050 MZ
HARDY ISLAND™
SMALL STANDARD
PATH LIGHT
4½" W, 15" H



16055 MZ
HARDY ISLAND™
LARGE STANDARD
PATH LIGHT
4½" W, 15" H



LED ITEM	LED ENGINE (INCLUDED)	POWER SUPPLY REQUIREMENT	INCANDESCENT EQUIVALENCY	ITEM	LAMP (INCLUDED)	WATTAGE	BULB FOR LED CONVERSION (NOT INCLUDED)	FINISH	CONSTRUCTION	GLASS OR LENS
16004 MZ-LED	IPL-30	2.3w / 3.9VA	20w	16004 MZ	T3	20w	T3 LED	Matte Bronze	Cast Brass	Clear Dome
16007 MZ-LED	IPL-30	2.3w / 3.9VA	20w	16007 MZ	T3	20w	T3 LED	Matte Bronze	Cast Brass	Clear Dome
16010 MZ-LED	IPL-30	2.3w / 3.9VA	20w	16010 MZ	T3	20w	T3 LED	Matte Bronze	Cast Brass	Clear Dome
				16050 MZ	T3	20w	T3 LED	Matte Bronze	Cast Brass	Frosted Acrylic
				16055 MZ	T3	20w	T3 LED	Matte Bronze	Cast Brass	Frosted Acrylic

See pages 80-81 for LED conversion lamps. A wiring kit and ground spike (0014BZ, page 75) are supplied. For accessories, see pages 74-75. For transformers, see pages 76-77.

PHOTOMETRICS

DISTANCE FROM LIGHT	LED ITEM	1'	2'	3'	4'	5'	6'	7'	8'	ITEM	1'	2'	3'	4'	5'	6'	7'
FOOT CANDLES	16004 MZ-LED	4.78	2.88	1.33	0.59	0.18	0.11	0.05		16004 MZ	14.01	3.91	1.43	0.67	0.29	0.10	
	16007 MZ-LED	5.08	2.41	1.45	0.64	0.35	0.19	0.11	0.08	16007 MZ	9.62	3.21	1.38	0.72	0.46	0.33	0.20
	16010 MZ-LED	4.81	3.01	1.21	0.67	0.23	0.14	0.06		16010 MZ	14.37	3.83	1.28	0.43	0.09		
										16050 MZ	13.03	4.10	0.82	0.09			
										16055 MZ	12.97	6.69	2.82	1.05	0.56	0.40	0.24



16024 MZ
16024 MZ-LED
HARDY ISLAND™
LARGE HEXAGON
PATH LIGHT
9½" W, 23½" H

16012 MZ
16012 MZ-LED
HARDY ISLAND™
ROUND SIDE MOUNT
PATH LIGHT
7½" W, 18½" H

16016 MZ
16016 MZ-LED
HARDY ISLAND™
MINI CLASSIC
PATH LIGHT
5¼" W, 15½" H

16022 MZ
16022 MZ-LED
HARDY ISLAND™
SMALL CLASSIC
PATH LIGHT
8" W, 16" H

16019 MZ
16019 MZ-LED
HARDY ISLAND™
LARGE CLASSIC
PATH LIGHT
8" W, 24" H

LED ITEM	LED ENGINE (INCLUDED)	POWER SUPPLY REQUIREMENT	INCANDESCENT EQUIVALENCY	ITEM	LAMP (INCLUDED)	WATTAGE	BULB FOR LED CONVERSION (NOT INCLUDED)	FINISH	CONSTRUCTION	GLASS OR LENS
16012 MZ-LED	NX3	3.8w / 5.7VA	25w	16012 MZ	T3	20w	T3 LED	Matte Bronze	Cast Brass	Etched Lens
16016 MZ-LED	IPL-30	2.3w / 3.9VA	20w	16016 MZ	T3	20w	T3 LED	Matte Bronze	Cast Brass	Clear Dome
16019 MZ-LED	IPL-30	2.3w / 3.9VA	20w	16019 MZ	T3	20w	T3 LED	Matte Bronze	Cast Brass	Clear Dome
16022 MZ-LED	IPL-30	2.3w / 3.9VA	20w	16022 MZ	T3	20w	T3 LED	Matte Bronze	Cast Brass	Clear Dome
16024 MZ-LED	IPL-30	2.3w / 3.9VA	20w	16024 MZ	T3	20w	T3 LED	Matte Bronze	Cast Brass	Clear Dome

See pages 80-81 for LED conversion lamps. A wiring kit and ground spike (0014BZ, page 75) are supplied. For accessories, see pages 74-75. For transformers, see pages 76-77.

PHOTOMETRICS

DISTANCE FROM LIGHT	LED ITEM	1'	2'	3'	4'	5'	6'	7'	8'	ITEM	1'	2'	3'	4'	5'	6'	7'
FOOT CANDLES	16012 MZ-LED	5.08	2.65	1.38	0.66	0.29	0.19	0.10		16012 MZ	10.94	3.76	1.92	0.85	0.54	0.41	0.12
	16016 MZ-LED	4.98	2.88	1.38	0.53	0.17	0.11			16016 MZ	13.44	3.46	1.00	0.23	0.08		
	16019 MZ-LED	5.08	2.44	1.40	0.07	0.38	0.20	0.12		16019 MZ	9.10	3.13	1.32	0.77	0.49	0.35	0.21
	16022 MZ-LED	4.96	3.10	1.25	0.69	0.23	0.15			16022 MZ	14.91	3.97	1.32	0.44	0.26		
	16024 MZ-LED	5.51	2.65	1.40	0.67	0.40	0.25	0.13	0.11	16024 MZ	10.81	5.42	1.58	0.85	0.54	0.41	0.12



1555 CB
BRATENAHL™ PATH LIGHT
8" W, 22" H



1527 CB
BRATENAHL™ PATH LIGHT
8" W, 22" H



1540 CB
MONTICELLO™ PATH LIGHT
8" W, 22" H



ITEM	LAMP (INCLUDED)	WATTAGE	BULB FOR LED CONVERSION (NOT INCLUDED)	FINISH	CONSTRUCTION	GLASS
1527 CB	921	18w	T5 LED	Copper Bronze	Solid Brass	Etched Shield*
1540 CB	921	18w	T5 LED	Copper Bronze	Solid Brass	Etched Shield*
1555 CB	921	18w	T5 LED	Copper Bronze	Solid Brass	Clear Seedy

*Equipped with lamp shield. See pages 80-81 for LED conversion lamps. A wiring kit and ground spike (0014BZ, page 75) are supplied. For accessories, see pages 74-75. For transformers, see pages 76-77.

PHOTOMETRICS

DISTANCE FROM LIGHT	ITEM	1'	2'	3'	4'	5'	6'	7'
FOOT CANDLES	1527 CB	4.27	2.59	1.13	.50	0.24	0.08	0.03
	1540 CB	5.16	2.90	1.26	0.58	0.22	0.13	0.04
	1555 CB	3.15	2.51	0.97	0.58	0.32	0.19	0.06



1593 OB
BOLLA™ PATH LIGHT
8" W, 22" H



1552 SZ
PALM™ PATH LIGHT
6¾" W, 22" H



1403 OC
ESSENCE™ HAMMERED
PATH LIGHT
6" W, 16¾" H



ITEM	LAMP (INCLUDED)	WATTAGE	BULB FOR LED CONVERSION (NOT INCLUDED)	FINISH	CONSTRUCTION	GLASS
1403 OC	921	18w	T5 LED	Old Copper	Solid Brass	Frosted Shield*
1552 SZ	921	18w	T5 LED	Sienna Bronze	Copper & Brass	
1593 OB	921	18w	T5 LED	Olde Bronze	Solid Brass	Etched Shield*

*Equipped with lamp shield. See pages 80-81 for LED conversion lamps. A wiring kit and ground spike (0014BZ, page 75) are supplied. For accessories, see pages 74-75. For transformers, see pages 76-77.

PHOTOMETRICS

DISTANCE FROM LIGHT	ITEM	1'	2'	3'	4'	5'	6'
FOOT CANDLES	1403 OC	12.34	4.73	0.28	0.09	0.03	0.01
	1552 SZ	7.30	4.31	1.67	0.62	0.19	0.09
	1593 OB	8.85	3.46	0.59	0.25	0.06	0.02

"LIGHTING EVOKES MOOD AND EMOTION

UNLIKE ANY OTHER ELEMENT IN DESIGN, AND ITS ABILITY
TO TRANSFORM OUR SPACES IS TRULY MAGICAL."

LISA MCDENNON | LISA MCDENNON DESIGN
LAGUNA BEACH, CA





1513 MB
RALEY™ PATH LIGHT
5½" W, 22" H

1515 RB
TRELIS™ PATH LIGHT
7¼" W, 30" H

1529 CB
PLANTATION™ PATH LIGHT
3¾" W, 22" H

1567 RY
MIRABELLA™ PATH LIGHT
8" W, 22" H

ITEM	LAMP (INCLUDED)	WATTAGE	BULB FOR LED CONVERSION (NOT INCLUDED)	FINISH	CONSTRUCTION	GLASS
1513 MB	921	18w	T5 LED	Museum Black	Cast Aluminum	Clear Waterglass
1515 RB	921	18w	T5 LED	Regency Bronze	Cast Aluminum	Clear Seedy
1529 CB	921	18w	T5 LED	Copper Bronze	Cast Brass	Clear Optic
1567 RY	921	18w	T5 LED	Royal Bronze	Brass & Aluminum	Light Amber Nuage*

*Equipped with lamp shield. See pages 80-81 for LED conversion lamps. A wiring kit and ground spike (0014BZ, page 75) are supplied. For accessories, see pages 74-75. For transformers, see pages 76-77.

PHOTOMETRICS

DISTANCE FROM LIGHT	ITEM	1'	2'	3'	4'	5'	6'	7'	8'
FOOT CANDLES	1513 MB	1.66	0.46	0.36	0.26	0.16	0.06		
	1515 RB	7.85	2.98	0.75	0.66	0.47	0.26	0.16	0.09
	1529 CB	1.68	1.46	0.79	0.41	0.26	0.07		
	1567 RY	5.01	2.35	1.06	0.51	0.24	0.14	0.10	0.05



1516 MR
LEDGEWOOD™ PATH LIGHT
5" W, 22" H



1508 CB
IVY™ PATH LIGHT
8" W, 26" H



1554 SZ
ASPEN™ PATH LIGHT
9½" W, 22" H



1568 RB
SQUIRREL™ PATH LIGHT
6½" W, 22" H

ITEM	LAMP (INCLUDED)	WATTAGE	BULB FOR LED CONVERSION (NOT INCLUDED)	FINISH	CONSTRUCTION	GLASS
1508 CB	921	18w	00T5-LED	Copper Bronze	Solid Brass	Light Amber*
1516 MR	921	18w	00T5-LED	Museum Bronze	Cast Aluminum	Champagne Inside Etched
1554 SZ	921	18w	00T5-LED	Sienna Bronze	Solid Brass	Honey Art
1568 RB	921	18w	00T5-LED	Regency Bronze	Solid Brass	Champagne Marble

*Equipped with lamp shield. See pages 80-81 for LED conversion lamps. A wiring kit and ground spike (0014BZ, page 75) are supplied. For accessories, see pages 74-75. For transformers, see pages 76-77.

PHOTOMETRICS

DISTANCE FROM LIGHT	ITEM	1'	2'	3'	4'	5'	6'	7'
FOOT CANDLES	1508 CB	8.09	3.49	1.62	0.77	0.26	0.09	
	1516 MR	0.83	1.07	0.69	0.60	0.26	0.12	0.07
	1554 SZ	7.88	1.01	0.37	0.16	0.10	0.05	
	1568 RB	4.96	2.33	1.05	0.51	0.24	0.15	0.05

THE NEXUS™ COLLECTION

A photograph of a modern house at dusk. The house features a living wall on the right side, which is a vertical garden of various green plants. To the left of the living wall is a stone wall. The house has large windows and a balcony. The sky is dark, and the house is lit up from within. A small potted plant is visible in the foreground on the right.

COMPATIBLE WITH ANY 12VAC LANDSCAPE
TRANSFORMER

9VAC-15VAC OR VDC INPUT RANGE

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

FLEXIBLE PERFORMANCE CAPABILITIES
WITH LINEAR HEAD THAT ROTATES 360°

75% LESS ENERGY USE THAN INCANDESCENT

NEXUS FIXTURES ARE FULLY DIMMABLE

2700K COLOR TEMPERATURE

LONG LIFE : 40,000 HOURS

NEXUS 15476BZ, PAGE 46, SURF 2355SS, HINKLEY FULL LINE CATALOG.



DESIGN NOTE Linear heads rotate 360° for precise adjustments

15476 BZ
LARGE T-CONNECTOR
32" W, 2½" H, 1" TUBE DIA.
SHOWN WITH 18" STEM



15472 BZ
SMALL T-CONNECTOR
19½" W, 2½" H, 1" TUBE DIA.
SHOWN WITH 6" STEM



15471 BZ
SMALL PATH LIGHT
14½" W, 7" H, 1" TUBE DIA.
INCLUDES 24" STEM



NEXUS™ STEMS

- (3") 15903 BZ/SW
- (6") 15906 BZ/SW
- (12") 15912 BZ
- (18") 15918 BZ
- (24") 15924 BZ

NEXUS™ PATH LIGHTS AND T-CONNECTORS FULFILL A WIDE RANGE OF APPLICATIONS WHEN USED WITH 3", 6", 12", 18" AND 24" STEMS

LED ITEM	LED ENGINE (INCLUDED)	POWER SUPPLY REQUIREMENT	INCANDESCENT EQUIVALENCY	FINISH	CONSTRUCTION	LENS
15471 BZ	NX6	3.8w / 5.7VA	25w	Bronze	Aluminum	Polycarbonate
15472 BZ	(2) NX6	7.6w / 11.4VA	50w	Bronze	Aluminum	Polycarbonate
15476 BZ	(2) NX12	14.6w / 21.6VA	100w	Bronze	Aluminum	Polycarbonate

A wiring kit and ground spike are supplied. For accessories, see pages 74-75. For transformers, see pages 76-77.



15452 BZ
LARGE T SIGN LIGHT
31½" W, 5" H, 1" TUBE DIA.



15450 BZ
SMALL T SIGN LIGHT
19½" W, 5" H, 1" TUBE DIA.



15452 SW
LARGE T SIGN LIGHT
31½" W, 5" H, 1" TUBE DIA.



15450 SW
SMALL T SIGN LIGHT
19½" W, 5" H, 1" TUBE DIA.



THE 120V SIGN LIGHT KIT
ELECTRONIC TRANSFORMER + JUNCTION BOX COVER
+ LIGHT ENGINE + 3" AND 6" STEM

LED ITEM	LED ENGINE (INCLUDED)	ELECTRONIC TRANSFORMER	INCANDESCENT EQUIVALENCY	FINISH	CONSTRUCTION	LENS
15450 BZ	(2) NX6	9w	50w	Bronze	Aluminum	Polycarbonate
15450 SW	(2) NX6	9w	50w	Satin White	Aluminum	Polycarbonate
15452 BZ	(2) NX12	14.6w	100w	Bronze	Aluminum	Polycarbonate
15452 SW	(2) NX12	14.6w	100w	Satin White	Aluminum	Polycarbonate

For accessories, see pages 74-75.



**DESIGN
NOTE**

Linear head rotates 360°
for precise adjustments

15442 BZ
LARGE HARDSCAPE DECK LIGHT
15½" W, 1⅞" H
3½" BRACKET DEPTH



15442 SW
LARGE HARDSCAPE DECK LIGHT
15½" W, 1⅞" H
3½" BRACKET DEPTH



15440 SW
SMALL HARDSCAPE DECK LIGHT
9½" W, 1⅞" H
3½" BRACKET DEPTH



15440 BZ
SMALL HARDSCAPE DECK LIGHT
9½" W, 1⅞" H
3½" BRACKET DEPTH



HARDSCAPE SPACING RECOMMENDATIONS

MOUNTING HEIGHT	15440BZ/SW CENTER TO CENTER	15442BZ/SW CENTER TO CENTER
1'	2'	3'
2'	3'	4'
3'	4'	6'



NEXUS HARDSCAPE LIGHTS ARE PROVIDED
WITH A REMOVABLE MOUNTING PLATE

LED ITEM	LED ENGINE (INCLUDED)	POWER SUPPLY REQUIREMENT	INCANDESCENT EQUIVALENCY	FINISH	CONSTRUCTION	LENS
15440 BZ	NX6	3.8w / 5.7VA	25w	Bronze	Aluminum	Polycarbonate
15440 SW	NX6	3.8w / 5.7VA	25w	Satin White	Aluminum	Polycarbonate
15442 BZ	NX12	7.3w / 10.8VA	50w	Bronze	Aluminum	Polycarbonate
15442 SW	NX12	7.3w / 10.8VA	50w	Satin White	Aluminum	Polycarbonate

A wiring kit and ground spike are supplied. For accessories, see pages 74-75. For transformers, see pages 76-77.

DECK / STEP / PATIO

LIGHTING



PHOTOGRAPHY BY PETER FRANK EDWARDS | COASTAL LIVING
1594 BZ-LED, PAGE 57



15446 BZ
SHOWN WITHOUT MOUNTING PLATE

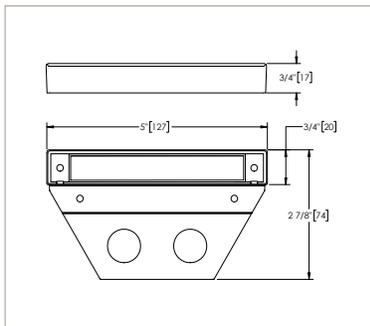


15446 BZ
15446 BZ-10
5" L, 3" W, 3/4" H
2 1/8" BRACKET DEPTH



NUVI HARDSCAPE

- + Exceptional 12v LED horizontal illumination due to innovative composite optic technology
- + Durable, solid vinyl alloy construction tested for 20 years of color life
- + Diverse range of mounting opportunities
- + Easy and efficient installation: fewer fixtures illuminate a more extensive area
- + Suitable for harsh environments
- + ETL rated for indoor/outdoor use
- + Available as single items or packages of 10



15446 ST
15446 ST-10
5" L, 3" W, 3/4" H
2 1/8" BRACKET DEPTH



15446 TT
15446 TT-10
5" L, 3" W, 3/4" H
2 1/8" BRACKET DEPTH



LED ITEM	LED ENGINE (INCLUDED)	POWER SUPPLY REQUIREMENT	INCANDESCENT EQUIVALENCY	FINISH	CONSTRUCTION	LENS
15446 BZ, 15446 BZ-10	NX4	1.9w / 2.8VA	15w	Bronze	Vinyl Alloy	Composite PC
15446 ST, 15446 ST-10	NX4	1.9w / 2.8VA	15w	Sandstone	Vinyl Alloy	Composite PC
15446 TT, 15446 TT-10	NX4	1.9w / 2.8VA	15w	Titanium	Vinyl Alloy	Composite PC

Nuvi Hardscape carries a 10 year limited warranty. For accessories, see pages 74-75. For transformers, see pages 76-77.

PHOTOMETRICS (BASED ON VARIOUS MOUNTING HEIGHTS)

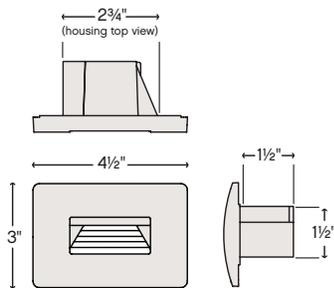
DISTANCE FROM LIGHT		LED ITEM	1'	2'	3'	4'
FOOT CANDLES	12" Mounting	15446 BZ 15446 ST	20.42	10.33	5.35	2.91
	24" Mounting		4.80	4.45	3.61	2.02
	36" Mounting	15446 TT	2.15	2.24	2.03	1.31
	48" Mounting		1.01	1.31	1.26	.82

HARDSCAPE SPACING RECOMMENDATIONS

MOUNTING HEIGHT	15446 BZ/ST/TT CENTER TO CENTER
12"	24"
24"	30"
36"	36"
48"	48"

LUNA STEP LIGHT

- + FULLY DIMMABLE
- + FITS STANDARD GANG JUNCTION BOX
- + 3.8W POWER CONSUMPTION
- + DIE CAST ZINC ALUMINUM ALLOY



15508 SW
12V LUNA™ STEP LIGHT
4 1/2" W, 3" H



15508 MZ
12V LUNA™ STEP LIGHT
4 1/2" W, 3" H



15508 BZ
12V LUNA™ STEP LIGHT
4 1/2" W, 3" H



15508 TT
12V LUNA™ STEP LIGHT
4 1/2" W, 3" H



 LED ITEM	LED ENGINE (INCLUDED)	POWER SUPPLY REQUIREMENT	INCANDESCENT EQUIVALENCY	FINISH	CONSTRUCTION
15508 BZ	LS-4	3.8w / 6.5VA	20w	Bronze	Zinc Aluminum Alloy
15508 MZ	LS-4	3.8w / 6.5VA	20w	Matte Bronze	Forged Brass Face Plate
15508 SW	LS-4	3.8w / 6.5VA	20w	Satin White	Zinc Aluminum Alloy
15508 TT	LS-4	3.8w / 6.5VA	20w	Titanium	Zinc Aluminum Alloy

For accessories, see pages 74-75. For transformers, see pages 76-77.

PHOTOMETRICS (BASED ON VARIOUS MOUNTING HEIGHTS)

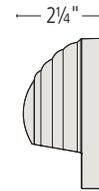
DISTANCE FROM LIGHT		LED ITEM	1'	2'	3'	4'	5'	6'	7'	8'	
FOOT CANDLES	8" Mounting	15508 BZ	3.58	0.71	0.2						
	16" Mounting			0.86	0.38	0.15					
	30" Mounting				0.27	0.24	0.13				
	8" Mounting	15508 MZ	3.58	0.71	0.20						
	16" Mounting			0.86	0.38	0.15					
	30" Mounting				0.27	0.24	0.13				
	8" Mounting	15508 SW	7	2.19	0.97	0.57	0.37	0.26	0.19	0.14	
	16" Mounting			0.66	0.158	0.85	0.5	0.32	0.23	0.16	0.12
	30" Mounting				0.32	0.52	0.43	0.3	0.23	0.16	0.12
	8" Mounting	15508 TT	4.5	1.8	0.45	0.25	0.15	0.11			
	16" Mounting				1.03	0.54	0.27	0.15	0.1		
	30" Mounting					0.32	0.29	0.19	0.12		



1549 BZ
1549 BZ-LED
 ROUND EYEBROW
 DECK SCONCE
 3½" DIA., 2¼" EXT.



1549 MW
1549 MW-LED
 ROUND EYEBROW
 DECK SCONCE
 3½" DIA., 2¼" EXT.



16801 MZ
16801 MZ-LED
 HARDY ISLAND™ ROUND
 EYEBROW DECK SCONCE
 3½" DIA., 2¼" EXT.



16804 MZ
16804 MZ-LED
 HARDY ISLAND™ ROUND
 LOUVERED DECK SCONCE
 3½" DIA., 2¼" EXT.

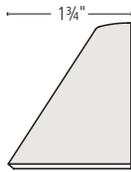


LED ITEM	LED ENGINE (INCLUDED)	POWER SUPPLY REQUIREMENT	INCANDESCENT EQUIVALENCY	ITEM	LAMP (INCLUDED)	WATTAGE	FINISH	CONSTRUCTION	GLASS LENS
1549 BZ-LED 1549 MW-LED	E5050LED	1.5w / 2.4VA	12w	1549 BZ 1549 MW	906	7w	Bronze Matte White	Cast Aluminum	Frosted
16801 MZ-LED	E5050LED	1.5w / 2.4VA	12w	16801 MZ	T3	20w	Matte Bronze	Cast Brass	Frosted
16804 MZ-LED	E5050LED	1.5w / 2.4VA	12w	16804 MZ	T3	20w	Matte Bronze	Cast Brass	Frosted

See pages 80-81 for LED conversion lamps. A wiring kit is supplied. For accessories, see pages 74-75. For transformers, see pages 76-77.

PHOTOMETRICS (BASED ON VARIOUS MOUNTING HEIGHTS)

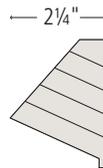
DISTANCE FROM LIGHT		LED ITEM	1'	2'	3'	4'	5'	6'	7'	ITEM	1'	2'	3'	4'	5'	6'	7'	
FOOT CANDLES	6" Mounting	1549 BZ-LED 1549 MW-LED	2.71	1.56	0.43	0.13	0.04			1549 BZ 1549 MW	2.17	1.25	0.34	0.10	0.03			
	18" Mounting		5.41	2.88	1.49	0.21	0.09	0.04			4.33	2.30	1.19	0.17	0.07	0.03		
	30" Mounting		3.40	1.40	0.78	0.38	0.21	0.10	0.05			2.72	1.12	0.62	0.30	0.17	0.08	0.04
	6" Mounting	16801 MZ-LED	2.58	1.48	0.40	0.12	0.04			16801 MZ	1.07	0.64	0.23	0.09	0.03	0.02	0.01	
	18" Mounting		5.14	2.73	1.41	0.20	0.08	0.04			2.03	0.55	0.11	0.05	0.02			
	30" Mounting		3.23	1.33	0.74	0.36	0.20	0.10	0.05			3.56	0.11	0.04				
	6" Mounting	16804 MZ-LED	2.97	1.40	0.47	0.27	0.10			16804 MZ	0.46	0.28	0.14	0.07	0.04	0.03	0.02	
	18" Mounting		1.97	1.64	0.71	0.34	0.21	0.11			0.92	0.33	0.12	0.07	0.04	0.01		
30" Mounting	0.95		0.92	0.63	0.39	0.26	0.16	0.10			2.02	0.17	0.06	0.02				



16805 MZ-LED
HARDY ISLAND™ TRIANGULAR
DECK SCONCE
 3½" W, 2" H, 1¾" EXT.



1524 BZ
1524 BZ-LED
SQUARE DECK SCONCE
 3½" W, 3½" H, 2¼" EXT.



1524 MW
1524 MW-LED
SQUARE DECK SCONCE
 3½" W, 3½" H, 2¼" EXT.

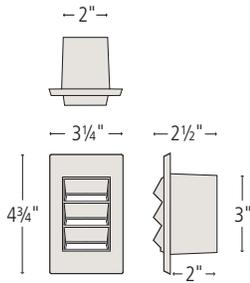


LED ITEM	LED ENGINE (INCLUDED)	POWER SUPPLY REQUIREMENT	INCANDESCENT EQUIVALENCY	ITEM	LAMP (INCLUDED)	WATTAGE	BULB FOR LED CONVERSION (NOT INCLUDED)	FINISH	CONSTRUCTION	GLASS LENS
1524 BZ-LED 1524 MW-LED	E5050LED	1.5w / 2.4VA	12w	1524 BZ 1524 MW	906	7w	T5 LED	Bronze Matte White	Cast Aluminum	Frosted
16805 MZ-LED	E5050LED	1.5w / 2.4VA	12w					Matte Bronze	Cast Brass	Frosted

See pages 80-81 for LED conversion lamps. A wiring kit is supplied. For accessories, see pages 74-75. For transformers, see pages 76-77.

PHOTOMETRICS (BASED ON VARIOUS MOUNTING HEIGHTS)

DISTANCE FROM LIGHT		LED ITEM	1'	2'	3'	4'	5'	6'	7'	ITEM	1'	2'	3'	4'	5'	6'	7'	
FOOT CANDLES	6" Mounting	1524 BZ-LED 1524 MW-LED	4.91	0.75	0.26	0.09	0.01			1524 BZ 1524 MW	3.93	0.60	0.20	0.07	0.01			
	18" Mounting		4.38	1.53	0.55	0.21	0.13	0.08				3.50	1.22	0.44	0.17	0.10	0.06	
	30" Mounting		2.64	1.53	0.75	0.38	0.21	0.10	0.05				2.11	1.22	0.60	0.30	0.17	0.08
	6" Mounting	16805 MZ-LED	4.40	2.48	0.68	0.10												
	18" Mounting		10.84	5.10	1.64	0.22	0.13	0.04										
	30" Mounting		4.83	3.42	1.93	0.81	0.25	0.12	0.09									



1542 BZ
1542 BZ-LED
 VERTICAL DECK LIGHT
 3 1/4" W, 4 3/4" H, 2 1/2" D



1542 MZ-LED
HARDY ISLAND™
 VERTICAL LED DECK LIGHT
 3 1/4" W, 4 3/4" H, 2 1/2" D



LED ITEM	LED ENGINE (INCLUDED)	POWER SUPPLY REQUIREMENT	INCANDESCENT EQUIVALENCY	ITEM	LAMP (INCLUDED)	WATTAGE	BULB FOR LED CONVERSION (NOT INCLUDED)	FINISH	CONSTRUCTION	GLASS LENS
1542 BZ-LED	E5050LED	1.5w / 2.4VA	12w	1542 BZ	912	12w	T5 LED	Bronze	Cast Aluminum	Frosted
1542 MZ-LED	E5050LED	1.5w / 2.4VA	12w					Matte Bronze	Aluminum Housing Cast Brass Faceplate	Frosted

See pages 80-81 for LED conversion lamps. A wiring kit is supplied. For accessories, see pages 74-75. For transformers, see pages 76-77.

PHOTOMETRICS (BASED ON VARIOUS MOUNTING HEIGHTS)

DISTANCE FROM LIGHT		LED ITEM	1'	2'	3'	4'	5'	6'	7'	ITEM	1'	2'	3'	4'	5'	6'	7'	
FOOT CANDLES	6" Mounting	1542 BZ-LED	1.77	0.37	0.12	0.07	0.04			1542 BZ	1.44	0.30	0.10	0.03	0.06			
	18" Mounting		1.02	0.47	0.23	0.11	0.07				0.83	0.38	0.19	0.09	0.06	0.03		
	30" Mounting		0.43	0.34	0.22	0.15	0.09	0.06	0.04		0.35	0.28	0.18	0.12	0.07	0.05	0.03	
	6" Mounting	1542 MZ-LED	2.28	1.08	0.36	0.21	0.07											
	18" Mounting		1.51	1.26	0.55	0.26	0.16	0.09										
	30" Mounting		0.73	0.71	0.48	0.30	0.20	0.12	0.07									



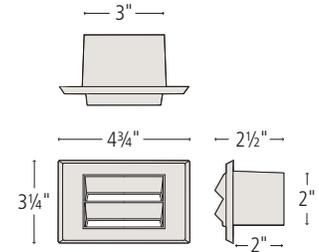
1546 BZ
1546 BZ-LED
 HORIZONTAL DECK LIGHT
 4¾" W, 3¼" H, 2½" D



1546 CO-LED
COPPER HORIZONTAL
LED DECK LIGHT
 4¾" W, 3¼" H, 2½" D



1546 MZ
1546 MZ-LED
 HARDY ISLAND™
 HORIZONTAL DECK LIGHT
 4¾" W, 3¼" H, 2½" D



LED ITEM	LED ENGINE (INCLUDED)	POWER SUPPLY REQUIREMENT	INCANDESCENT EQUIVALENCY	ITEM	LAMP (INCLUDED)	WATTAGE	BULB FOR LED CONVERSION (NOT INCLUDED)	FINISH	CONSTRUCTION	GLASS LENS
1546 BZ-LED	E5050LED	1.5w / 2.4VA	12w	1546 BZ	912	12w	T5 LED	Bronze	Cast Aluminum	Frosted
1546 MZ-LED	E5050LED	1.5w / 2.4VA	12w	1546 MZ	912	12w	T5 LED	Matte Bronze	Aluminum Housing Cast Brass Faceplate	Frosted
1546 CO-LED	E5050LED	1.5w / 2.4VA	12w					Copper	Aluminum Housing Solid Copper Faceplate	Frosted

See pages 80-81 for LED conversion lamps. A wiring kit is supplied. For accessories, see pages 74-75. For transformers, see pages 76-77.

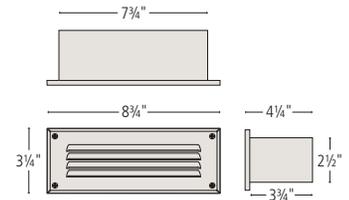
PHOTOMETRICS (BASED ON VARIOUS MOUNTING HEIGHTS)

DISTANCE FROM LIGHT		LED ITEM	1'	2'	3'	4'	5'	6'	7'	ITEM	1'	2'	3'	4'	5'	6'	7'	
FOOT CANDLES	6" Mounting	1546 BZ-LED	0.30	0.20	0.10	0.04				1546 BZ	0.04	0.06	0.08	0.03				
	18" Mounting		0.77	0.69	0.26	0.10	0.02				0.63	0.56	0.21	0.08	0.02			
	30" Mounting		0.48	0.39	0.27	0.15	0.09	0.04	0.01		0.09	0.32	0.22	0.12	0.07	0.03	0.01	
	6" Mounting	1546 MZ-LED 1546 CO-LED	1.38	0.13	0.05					1546 MZ	1.15	0.11	0.04					
	18" Mounting		0.50	0.28	0.10	0.04	0.01				0.42	0.23	0.08	0.03	0.01			
	30" Mounting		0.22	0.18	0.11	0.06	0.02	0.01			0.14	0.15	0.09	0.05	0.02	0.01		





1594 BZ
1594 BZ-LED
LOUVERED BRICK LIGHT
8¾" W, 3¼" H, 4¼" D



1594 MZ
1594 MZ-LED
HARDY ISLAND™
LOUVERED BRICK LIGHT
8¾" W, 3¼" H, 4¼" D



LED ITEM	LED ENGINE (INCLUDED)	POWER SUPPLY REQUIREMENT	INCANDESCENT EQUIVALENCY	ITEM	LAMP (INCLUDED)	WATTAGE	BULB FOR LED CONVERSION (NOT INCLUDED)	FINISH	CONSTRUCTION	GLASS LENS
1594 BZ-LED	NX3	3.8w / 5.7VA	25w	1594 BZ	912	12w	T5 LED	Bronze	Galvanized Steel Housing Cast Aluminum Faceplate	Clear
1594 MZ-LED	NX3	3.8w / 5.7VA	25w	1594 MZ	912	12w	T5 LED	Matte Bronze	Galvanized Steel Housing Solid Brass Faceplate	Clear

See pages 80-81 for LED conversion lamps. A wiring kit is supplied. For accessories, see pages 74-75. For transformers, see pages 76-77.

PHOTOMETRICS (BASED ON VARIOUS MOUNTING HEIGHTS)

DISTANCE FROM LIGHT		LED ITEM	1'	2'	3'	4'	5'	6'	7'	8'	ITEM	1'	2'	3'	4'	5'	6'	7'	
FOOT CANDLES	6" Mounting	1594 BZ-LED	37.1	11.83	3.06	1.55	1.07	0.85	0.71	0.6	1594 BZ	0.90	0.50	0.23	0.03				
	18" Mounting		0.58	1.19	4.1	2.03	2	1.46	0.87	0.49		0.99	0.73	0.55	0.37	0.17	0.08		
	30" Mounting		0.11	0.27	0.45	0.97	1.55	0.84	0.74	0.74		0.52	0.43	0.36	0.28	0.20	0.16	0.10	
	6" Mounting	1594 MZ-LED	3.07	0.74								1594 MZ	2.19	0.53					
	18" Mounting		1.40	0.32	0.25	0.20							1.00	0.21	0.18	0.14			
	30" Mounting		0.97	0.45	0.42	0.22	0.07						0.69	0.32	0.31	0.05	0.14		

CARSON

OUTDOOR CHANDELIERS

GOOD DESIGN NOW EXTENDS BEYOND THE INTERIOR ENVIRONMENT. CONSIDER OUTDOOR CHANDELIERS TO TASTEFULLY ILLUMINATE CHIC CHAISES, DINING SPACES AND COZY ALCOVES, BALANCING CREATURE COMFORTS WITH THE CALL OF THE WILD.

- + WET RATED FOR OUTDOOR USE
- + VINTAGE IRON FINISH
- + CLEAR SEEDY GLASS



29703 VI
18½" DIA., 18¾" H
51¾" MAX. H*



29705 VI
26½" DIA., 26¼" H
59¼" MAX. H*



29700 VI
10" W, 10½" H



29707 VI
10" DIA., 10" H
43" MAX. H*

ITEM	BULBS	EXT.	TOP TO OUTLET	BACK PLATE/CANOPY	WIRE	STEMS INCLUDED
29700 VI	1-100w Med.	12½"	6"	4¾" Dia. Back Plate		
29703 VI	3-60w Cand.			4¾" Dia. Canopy	10'	1-6", 2-12"
29705 VI	5-60w Cand.			4¾" Dia. Canopy	10'	1-6", 2-12"
29707 VI	1-100w Med.			4¾" Dia. Canopy	10'	1-6", 2-12"

*Maximum achievable height with stems included. Additional 12" stems available, 6033VI. Ideal for vintage filament bulbs (not included).

LINE VOLTAGE: 120V

LIGHTING



51000BZ, PAGE 70

120 VOLT

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 used 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.

- **LINE VOLTAGE INSTALLATION**

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.

- **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 protects the fixtures from chipping, fading and cracking, which significantly improves the durability and lifespan of our fixtures in even the harshest atmospheric conditions.

- **VALUE AND CONVENIENCE**

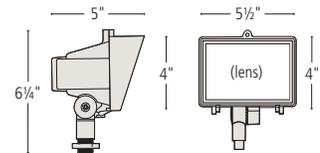
Choosing to install a Line Voltage system can be an economical solution in residential situations where a wiring system is already in place. Rather than re-wire a low voltage system, which requires a transformer and a fresh wiring plan, Hinkley Line Voltage fixtures can be put into place with relative 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.



56000 BZ
120V MUSHROOM™
PATH LIGHT
9½" W, 26" H




57000 BZ
120V 75W MINI-CAN
FLOOD LIGHT WITH CLEAR LENS
5½" W, 4" H SHROUD
5" L, 6¼" H

ITEM	56000 BZ	57000 BZ
FINISH	Powder-Coated Bronze (BZ)	Powder-Coated Bronze (BZ)
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

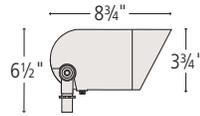
For Line Voltage Accessories see page 71.

PHOTOMETRICS

DISTANCE FROM LIGHT	ITEM	1'	2'	3'	4'	5'	6'
FOOT CANDLES	56000 BZ	41.67	12.50	4.60	1.39	0.37	0.13

PHOTOMETRICS (BASED ON VARIOUS MOUNTING DISTANCES AT 22° ANGLE)

DISTANCE FROM LIGHT		ITEM	1'	2'	3'	4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'
FOOT CANDLES	3' From Object	57000 BZ	33.07	23.80	11.98	6.23	2.08	1.12	0.48	0.16	0.06					
	6' From Object		10.69	8.58	7.57	6.47	4.78	3.17	2.49	1.82	0.89	0.55	0.38	0.30	0.21	0.04
	9' From Object		5.00	4.51	4.01	3.55	3.36	2.74	1.90	1.55	1.25	1.02	0.82	0.59	0.36	0.29



54000 BZ
54000 BZ-LED30, 54000 BZ-LED60
3 3/4" DIA. SHROUD, 6 1/2" H
8 3/4" L SHROUD



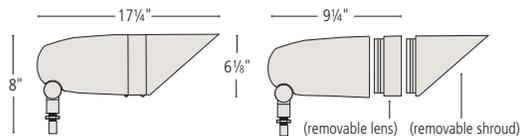
55000 BZ

120V 175W LG. SPOT LIGHT
(Shown with lens)
6 1/8" DIA. SHROUD, 8" H
9 1/4" L WITHOUT SHROUD



55000 BZ

120V 175W LG. SPOT LIGHT
(Shown with lens and shroud)
6 1/8" DIA. SHROUD, 8" H
17 1/4" L WITH SHROUD





53000 BZ
 BURIAL BALLAST BOX
 (Ballast Assembly not included)
 12¼" DIA., 14½" H
 8" DIA. BASE



ITEM	53000 BZ	54000 BZ	54000 BZ-LED30	54000 BZ-LED60	55000 BZ
NAME	Burial Ballast Box (made for use with 54000 BZ and 55000 BZ)	75w Sm. Spot Light	120v 7w 30° LED Spot Light	120v 7w 60° LED Spot Light	175w Lg. Spot Light (Removable Lens and Shroud)
FINISH	Bronze (BZ)	Powder-Coated Bronze (BZ)	Powder-Coated Bronze (BZ)	Powder-Coated Bronze (BZ)	Powder-Coated Bronze (BZ)
CONSTRUCTION	Thermoplastic composite resin with molded ribbing to prevent ground shifting. Composite cover has ½"-14NPS hub for direct mount.	Durable Cast Aluminum	Durable Cast Aluminum	Durable Cast Aluminum	Durable Cast Aluminum
LENS		Clear, Convex, Tempered	Clear, Convex, Tempered	Clear, Convex, Tempered	Clear, Convex, Tempered
VOLTAGE		120v	120v	120v	120v
LAMP/LED ENGINE	For use with 54000 BZ and 55000 BZ	PAR16 or PAR20 Not Included	E0055LED Included	E0055LED Included	PAR38 Not Included
WATTAGE		up to 75w	7w	7w	up to 175w
WIRING/ WIRING COMPARTMENT	Isolated sealable wiring compartment. Cover has (2) threaded ¼"-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	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				
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	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		Porcelain Medium Base	Porcelain Medium Base	Porcelain Medium Base	Porcelain Medium Base

For Line Voltage Accessories, see page 71.

LUNA STEP LIGHT

THE PERFECT SOLUTION FOR ANY
INDOOR OR OUTDOOR 120V OUTLET
OR SWITCH LOCATION

- + FULLY DIMMABLE
- + FITS SINGLE OR DOUBLE STANDARD
GANG JUNCTION BOX
- + 4W POWER CONSUMPTION
- + DIE CAST ZINC ALUMINUM ALLOY
- + INDOOR/OUTDOOR ETL RATED





58504 BZ
120V LUNA™ STEP LIGHT
3" W, 4½" H
120V



58504 SW
120V LUNA™ STEP LIGHT
3" W, 4½" H
120V



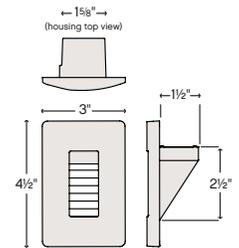
58504 LA
120V LUNA™ STEP LIGHT
3" W, 4½" H
120V



58504 TT
120V LUNA™ STEP LIGHT
3" W, 4½" H
120V



58504 MZ
120V LUNA™ STEP LIGHT
3" W, 4½" H
120V



LED ITEM	LED ENGINE (INCLUDED)	WATTAGE	INCANDESCENT EQUIVALENCY	FINISH	CONSTRUCTION
58504 BZ	LS-20	4w	20w	Bronze	Zinc Aluminum Alloy
58504 LA	LS-20	4w	20w	Light Almond	Zinc Aluminum Alloy
58504 MZ	LS-20	4w	20w	Matte Bronze	Forged Brass Face Plate
58504 SW	LS-20	4w	20w	Satin White	Zinc Aluminum Alloy
58504 TT	LS-20	4w	20w	Titanium	Zinc Aluminum Alloy

For Line Voltage Accessories, see page 71.

PHOTOMETRICS (BASED ON VARIOUS MOUNTING HEIGHTS)

DISTANCE FROM LIGHT		LED ITEM	1'	2'	3'	4'	5'	6'	7'	8'
FOOT CANDLES	8" Mounting	58504 BZ	6.36	1.01	0.22					
	16" Mounting		2.6	1.65	0.67	0.3	0.13			
	30" Mounting		0.16	1.1	0.69	0.4	0.23	0.13		
	8" Mounting	58504 LA	8.79	2.0	0.79	0.38	0.21	0.13	0.09	
	16" Mounting		3.03	2.12	0.89	0.43	0.23	0.14	0.06	
	30" Mounting			1.14	0.81	0.45	0.28	0.16	0.11	0.08
	8" Mounting	58504 MZ	6.74	1.12	0.24					
	16" Mounting		2.73	1.82	0.73	0.31	0.14			
	30" Mounting			1.22	0.76	0.40	0.23	0.12		
	8" Mounting	58504 SW	9.29	2.6	1.17	0.64	0.42	0.29	0.21	0.16
	16" Mounting		3.0	2.32	1.17	0.66	0.41	0.28	0.2	0.15
	30" Mounting		0.25	1.19	0.93	0.6	0.4	0.29	0.21	0.16
	8" Mounting	58504 TT	9.05	2.2	0.83	0.4	0.25	0.16	0.11	
	16" Mounting		3.16	2.17	0.97	0.49	0.27	0.16	0.1	
	30" Mounting		0.1	1.29	0.86	0.52	0.33	0.22	0.15	0.1

120V LANDSCAPE LIGHTING



58508 BZ
120V LUNA™ STEP LIGHT
4½" W, 3" H



58508 LA
120V LUNA™ STEP LIGHT
4½" W, 3" H



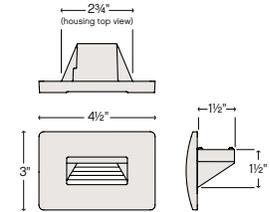
58508 MZ
120V LUNA™ STEP LIGHT
4½" W, 3" H



58508 SW
120V LUNA™ STEP LIGHT
4½" W, 3" H



58508 TT
120V LUNA™ STEP LIGHT
4½" W, 3" H



LED ITEM	LED ENGINE (INCLUDED)	POWER SUPPLY REQUIREMENT	INCANDESCENT EQUIVALENCY	FINISH	CONSTRUCTION
58508 BZ	LS-20	4w	20w	Bronze	Zinc Aluminum Alloy
58508 LA	LS-20	4w	20w	Light Almond	Zinc Aluminum Alloy
58508 MZ	LS-20	4w	20w	Matte Bronze	Forged Brass Face Plate
58508 SW	LS-20	4w	20w	Satin White	Zinc Aluminum Alloy
58508 TT	LS-20	4w	20w	Titanium	Zinc Aluminum Alloy

For Line Voltage Accessories, see page 71.

PHOTOMETRICS (BASED ON VARIOUS MOUNTING HEIGHTS)

DISTANCE FROM LIGHT		LED ITEM	1'	2'	3'	4'	5'	6'	7'	8'	
FOOT CANDLES	8" Mounting	58508 BZ	3.58	0.71	0.2						
	16" Mounting			0.86	0.38	0.15					
	30" Mounting				0.27	0.24	0.13				
	8" Mounting	58508 LA	4.41	1.64	0.32	0.24	0.13	0.09			
	16" Mounting			0.97	0.50	0.26	0.14	0.10			
	30" Mounting				0.29	0.27	0.18	0.12			
	8" Mounting	58508 MZ	3.79	0.79	0.23						
	16" Mounting			0.90	0.41	0.17					
	30" Mounting				0.33	0.29	0.14				
	8" Mounting	58508 SW	7.0	2.19	0.97	0.57	0.37	0.26	0.19	0.14	
	16" Mounting			0.66	0.158	0.85	0.5	0.32	0.23	0.16	0.12
	30" Mounting				0.32	0.52	0.43	0.3	0.23	0.16	0.12
	8" Mounting	58508 TT	4.5	1.8	0.45	0.25	0.15	0.11			
	16" Mounting				1.03	0.54	0.27	0.15	0.1		
	30" Mounting					0.32	0.29	0.19	0.12		



58506 BZ
120V LUNA™ STEP LIGHT
4¾" W, 4½" H



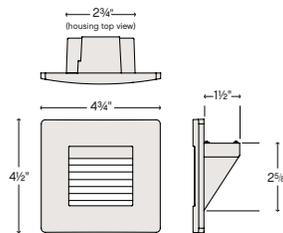
58506 LA
120V LUNA™ STEP LIGHT
4¾" W, 4½" H



DOUBLE GANG configuration



58506 SW
120V LUNA™ STEP LIGHT
4¾" W, 4½" H



58506 TT
120V LUNA™ STEP LIGHT
4¾" W, 4½" H

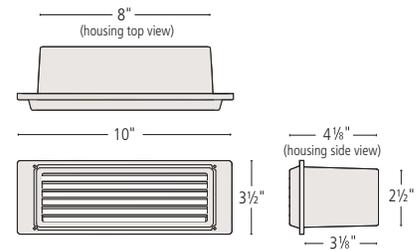


LED ITEM	LED ENGINE	WATTAGE	INCANDESCENT EQUIVALENCY	FINISH	CONSTRUCTION
58506 BZ	LS-20	4w	20w	Bronze	Zinc Aluminum Alloy
58506 LA	LS-20	4w	20w	Light Almond	Zinc Aluminum Alloy
58506 SW	LS-20	4w	20w	Satin White	Zinc Aluminum Alloy
58506 TT	LS-20	4w	20w	Titanium	Zinc Aluminum Alloy

For Line Voltage Accessories, see page 71.

PHOTOMETRICS (BASED ON VARIOUS MOUNTING HEIGHTS)

DISTANCE FROM LIGHT		LED ITEM	1'	2'	3'	4'	5'
FOOT CANDLES	8" Mounting	58506 BZ	4.76	0.47	0.08		
	16" Mounting		2.24	0.92	0.17	0.06	
	30" Mounting		1.08	0.65	0.21	0.11	0.03
	8" Mounting	58506 LA	6.33	0.84	0.21	0.08	
	16" Mounting		4.11	1.22	0.34	0.13	0.09
	30" Mounting		2.47	0.83	0.46	0.15	0.06
	8" Mounting	58506 SW	7.15	0.89	0.20	0.08	
	16" Mounting		3.22	0.77	0.31	0.14	0.07
	30" Mounting		2.12	0.81	0.26	0.15	0.06
	8" Mounting	58506 TT	6.86	0.70	0.16	0.06	
	16" Mounting		2.97	1.13	0.39	0.11	0.05
	30" Mounting		1.88	0.95	0.23	0.14	0.06



59009 BZ
120V 9W CFL
BRICK LIGHT
10" W, 3 1/2" H, 4 1/8" D



59024 BZ-LED
120V LED
BRICK LIGHT
10" W, 3 1/2" H, 4 1/8" D



59040 BZ
120V 40W G9
BRICK LIGHT
10" W, 3 1/2" H, 4 1/8" D

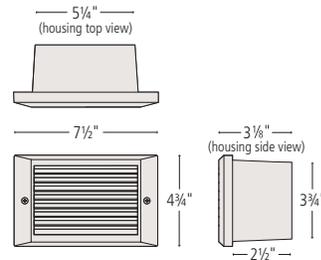


ITEM	59009 BZ	59024 BZ-LED	59040 BZ
NAME	Brick Light (9w) CFL	120v LED Brick Light	Brick Light (40w) G9
FINISH	Powder-Coated Bronze (BZ)	Powder-Coated Bronze (BZ)	Powder-Coated Bronze (BZ)
CONSTRUCTION	Cast aluminum with a silicone gasket providing a superior weather-tight seal	Cast aluminum with a silicone gasket providing a superior weather-tight seal	Cast aluminum with a silicone gasket providing a superior weather-tight seal
LENS	Frosted, Flat	Clear, Flat	Frosted, Flat
VOLTAGE	120v	120v	120v
LAMP/LED ENGINE	9w CFL GX23-2 Not Included	3.8w NX3 Included	40w G9 Not Included
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
SOCKET	Plastic GX23-2		White Porcelain Bi-Pin Base

For Line Voltage Accessories, see page 71.

PHOTOMETRICS (BASED ON VARIOUS MOUNTING HEIGHTS)

DISTANCE FROM LIGHT		ITEM/LED ITEM	1'	2'	3'	4'	5'	6'	7'	8'	9'
FOOT CANDLES	6" Mounting	59009 BZ	6.25	2.44	0.97	0.27	0.12	0.04			
	12" Mounting		1.58	1.55	1.51	0.89	0.37	0.19	0.11	0.08	0.06
	18" Mounting		0.70	0.66	0.63	0.59	0.53	0.42	0.26	0.15	0.03
	6" Mounting	59024 BZ-LED	7.65	2.66	1.19	0.51	0.06				
	12" Mounting		3.19	2.71	2.61	1.34	0.40	0.24	0.19	0.14	0.08
	18" Mounting		0.86	0.82	0.68	0.53	0.50	0.44	0.32	0.20	0.11
	6" Mounting	59040 BZ	10.20	3.55	1.58	0.68	0.08				
	12" Mounting		4.25	3.61	3.48	1.79	0.53	0.32	0.25	0.18	0.11
	18" Mounting		1.15	1.06	0.89	0.68	0.64	0.58	0.41	0.25	0.15



58009 BZ
120V 9W CFL
STEP LIGHT
7 1/2" W, 4 3/4" H, 3 1/8" D

58015 BZ-LED
120V LED
STEP LIGHT
7 1/2" W, 4 3/4" H, 3 1/8" D

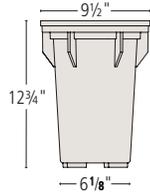
58025 BZ
120V 25W G9
STEP LIGHT
7 1/2" W, 4 3/4" H, 3 1/8" D

ITEM	58009 BZ	58015 BZ-LED	58025 BZ
NAME	Step Light (9w) CFL	120v LED Step Light	Step Light (25w) G9
FINISH	Powder-Coated Bronze (BZ)	Powder-Coated Bronze (BZ)	Powder-Coated Bronze (BZ)
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
LENS	Frosted, Flat	Frosted, Flat	Frosted, Flat
VOLTAGE	120v	120v	120v
LAMP/LED ENGINE	9w CFL GX23-2 Not Included	3.8w NX3 Included	25w G9 Not Included
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
SOCKET	Plastic GX23-2		White Porcelain Bi-Pin Base

For Line Voltage Accessories, see page 71.

PHOTOMETRICS (BASED ON VARIOUS MOUNTING HEIGHTS)

DISTANCE FROM LIGHT		ITEM/LED ITEM	1'	2'	3'	4'	5'	6'	7'	8'
FOOT CANDLES	6" Mounting	58009 BZ	9.68	2.01	0.58	0.19	0.06			
	18" Mounting		1.67	1.41	1.07	0.63	0.33	0.18	0.10	
	6" Mounting	58015BZ-LED	15.55	3.65	0.94	0.31	0.10	0.03		
	18" Mounting		3.09	2.25	1.73	1.10	0.49	0.29		
	6" Mounting	58025 BZ	16.37	3.84	0.99	0.33	0.11	0.03	0.20	0.10
	18" Mounting		3.25	2.37	1.82	1.16	0.52	0.30	0.21	0.10



51000 BZ
120V 100W SM.
IN-GROUND WELL LIGHT
9 1/2" DIA., 12 3/4" H
6 1/8" DIA. BASE



51070 BZ
120V 70W SM.
IN-GROUND WELL LIGHT
9 1/2" DIA., 12 3/4" H
6 1/8" DIA. BASE



52000 BZ
120V 100W LG.
IN-GROUND WELL LIGHT
12 1/4" DIA., 14 1/2" H
8" DIA. BASE



ITEM	51000 BZ	51070 BZ	52000 BZ
FINISH	Bronze (BZ)	Bronze (BZ)	Bronze (BZ)
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.
LENS	Clear, Flat	Clear, Flat	Clear, Flat
VOLTAGE	120v	120v	120v
LAMP Not Included	100w Max. Incandescent	70w Max. Incandescent	100w Max. Incandescent
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.
GASKET	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
SOCKET	Porcelain Medium Base	Porcelain Medium Base	Porcelain Medium Base
LIVE LOAD CAPACITY	2200 lbs.	2200 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

For Line Voltage Accessories, see page 71.



50500 PP
POWER POST



51901 BZ, 52901 BZ
SMALL AND LARGE
ROCK GUARD



50400 HG
WELL LIGHT
HIGH GEL



50200 WN
WIRE CONNECTORS



51010 CK, 52010 CK
CONCRETE KIT



50300 SF
SCOTCH-FIL

ITEM	NAME	DESCRIPTION	WIDTH/DIAMETER	HEIGHT	LENGTH	DETAILS
50200 WN	Silicone Wire Connectors	Outdoor Wire Connectors	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



HINKLEY'S GUIDE TO ILLUMINATING THE OUTDOORS

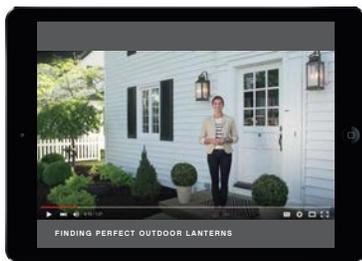
Dig in to Hinkley's *Landscape Lighting Made Simple™* magazine! Enjoy learning about the best products and planning tools to get a head start on expanding your environment. Helpful how-tos and easy-to-understand LED technology tips will make learning about landscape lighting a breeze!

ARTICLES INCLUDE:

- + The techniques and terminology common to landscape lighting
- + Selecting the right type of fixtures and developing a plan for your property
- + Understanding power requirements and energy-efficient features
- + Unifying the relationship between your home and its natural surroundings to create a seamless and enjoyable outdoor living space

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The original *Lighting Made Simple™* publication



LIGHTING 101 INTERACTIVE SHOW HOUSES
on hinkleylighting.com

ACCESSORIES

12 VOLT



SHELTER I547KZ, PAGE 34

ACCESSORIES

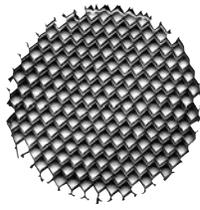


ITEM	NAME	FINISH	CONSTRUCTION
0005 BK, 0005 SC	Coupler	Black, Southern Clay	Aluminum
0006-T BK, 0006-T SC	6" Path Light Stem	Black, Southern Clay	Aluminum
0012-T BK, 0012-T SC	12" Path Light Stem	Black, Southern Clay	Aluminum
0015 BZ	Surface Mount	Bronze	Cast Aluminum
0018-T BK, 0018-T SC	18" Path Light Stem	Black, Southern Clay	Aluminum
0021 BZ	Tree Mount	Bronze	Cast Aluminum
0022 BZ	Junction Box Cover	Bronze	Aluminum
0024-T BK, 0024-T SC	24" Path Light Stem	Black, Southern Clay	Aluminum
0030 BZ	Junction Box Cover	Bronze	Aluminum
0100 FT	100' Wire (12 AWG)	Black	Stranded 2-Wire
0250 FT	250' Wire (12 AWG)	Black	Stranded 2-Wire
0251 FT	250' Wire (10 AWG)	Black	Stranded 2-Wire
0500 FT	500' Wire (12 AWG)	Black	Stranded 2-Wire
0516 FT	500' Wire (16 AWG)	Black	Stranded 2-Wire
1507 QC	Quick Connect	Black	Composite
16807 MZ	Cast Brass Surface Mount	Matte Bronze	Cast Brass
16902 MZ	24" Double Mount T-STEM	Matte Bronze	Cast Brass
16910 MZ	10" Stem Mount	Matte Bronze	Cast Brass
16918 MZ	18" Stem Mount	Matte Bronze	Cast Brass
16990 MZ	24" 90° Mount Stem	Matte Bronze	Cast Brass
50200 WN	Wire Connectors (20 pack)		Silicone

PERFORMANCE LENSES



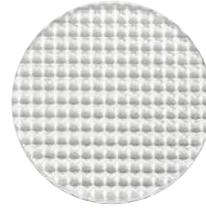
0016 CB
CORRECTIVE BLUE LENS
2" DIA., 1/8" D
Enhances color;
creates moonlight effect



0016 HL
HEX LOUVER LENS
2" DIA., 1/8" D
0037 HL
3" DIA., 1/8" D
Reduces overall glare



0016 LF
LINEAR FILTER LENS
2" DIA., 1/8" D
Creates directional beam
(vertical/horizontal)



0016 PF
PRISMATIC FILTER LENS
2" DIA., 1/8" D
Diffuses lamp
beam spread

0016 LENSES

are used with the following spotlights: 1536 series, 1538 BZ, 1583 NC

0037 HEX LOUVER LENS

is used with 54000 BZ

Lenses come in packages of 6.



16814 BZ
HEAVY DUTY
GROUND SPIKE
2 3/4" DIA., 16" H



16814 MZ
HEAVY DUTY
GROUND SPIKE
2 3/4" DIA., 16" H



0019 BZ
GROUND SPIKE
2" W, 15" H



0013-JBBZ
GROUND SPIKE
2" W, 9" H



0017-JBBZ
GROUND SPIKE
4 1/2" W, 11" H



0014 BZ
GROUND SPIKE
2 3/4" W, 9" H

ITEM	NAME	FINISH	CONSTRUCTION
0013-JBBZ	Ground Spike with Junction Box	Bronze	Cast Aluminum
0014 BZ	Ground Spike	Bronze	Composite
0016 CB	Corrective Blue Lens (6 pack)		Glass
0016 HL	Hex Louver Lens (6 pack)		Aluminum
0016 LF	Linear Filter Lens (6 pack)		Glass
0016 PF	Prismatic Filter Lens (6 pack)		Glass
0017-JBBZ	Ground Spike with Junction Box	Bronze	Composite
0019 BZ	Ground Spike	Bronze	Composite
0037 HL	Hex Louver Lens (6 pack)		Aluminum
16814 BZ	Heavy Duty Ground Spike	Bronze	Aluminum/Composite
16814 MZ	Heavy Duty Ground Spike	Matte Bronze	Brass/Composite

STANDARD
TRANSFORMER



0150 BK
150W STANDARD TRANSFORMER

For additional information on how to select the proper transformer, view the **DESIGN + INSTALLATION GUIDES** on pages 84-88.

PRO-SERIES TRANSFORMERS



0075W SS
75W PRO-SERIES™
TRANSFORMER



0150 SS
150W PRO-SERIES™
TRANSFORMER



0300 SS
300W PRO-SERIES™
TRANSFORMER



0600 SS
600W PRO-SERIES™
TRANSFORMER



0900 SS
900W PRO-SERIES™
TRANSFORMER

TRANSFORMER ACCESSORIES



1505 TC
STANDARD
TIME CLOCK



1580 DT
DIGITAL ASTRONOMICAL
TIME CLOCK



1503 PH
DIRECT MOUNT
PHOTOCELL

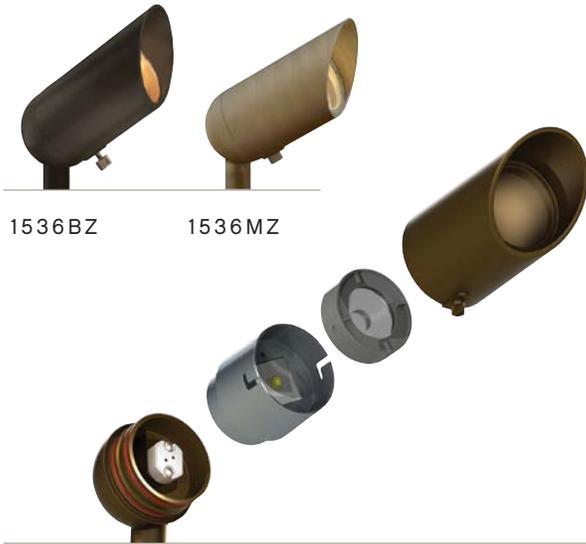


1510 PH
PHOTOCELL WITH
10' LEAD WIRE

ITEM	NAME	CONSTRUCTION	FINISH	WIDTH	HEIGHT	DEPTH	WATTAGE (VA)	TAP
0075W SS	75w Pro-Series Transformer	Stainless Steel		6½"	13¼"	5½"	75w	12v+15v only
0150 BK	150w Standard Transformer	Composite Resin	Black	4¼"	6¼"	3¾"	150w	12v
0150 SS	150w Pro-Series Transformer	Stainless Steel		6½"	13¼"	5½"	150w	12v+15v only
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
1503 PH	Direct Mount Photocell		Black					
1505 TC	Standard Time Clock		Black	2¾"	3⅞"	2¼"		
1510 PH	Photocell with 10' Lead Wire		Black					
1580 DT	Digital Astronomical Time Clock		White	3⅞"	3¼"	2⅞"		

TRANSFORMER FEATURE GUIDE	STANDARD TRANSFORMER	PRO-SERIES TRANSFORMERS				
						
STYLE	COMPOSITE RESIN	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL
MODEL	0150 BK	0075W SS	0150 SS	0300 SS	0600 SS	0900 SS
WATTAGE	150	75	150	300	600	900
BLACK COMPOSITE RESIN	✓					
STAINLESS STEEL		✓	✓	✓	✓	✓
12V-15V MULTI-TAP	12v only	12v + 15v only	12v + 15v only	✓	✓	✓
AUTOMATIC TIMER (4H, 6H, 8H)	✓					
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		✓	✓	✓	✓	✓

1536 PHOTOMETRICS



1536BZ

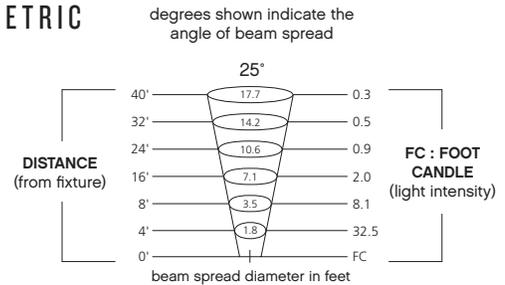
1536MZ

BI-PIN SOCKET + LED ENGINE + CHANGEABLE LENS

The **1536 SERIES** is a cutting edge modular LED light engine system designed to meet any spot light need.

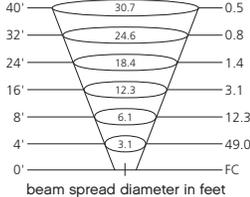
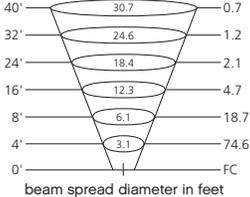
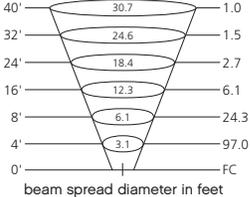
SEE PAGE 16.

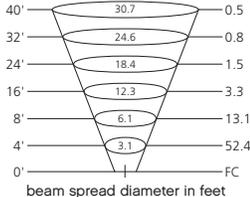
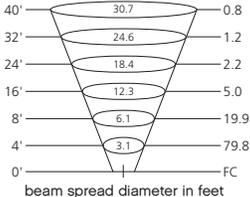
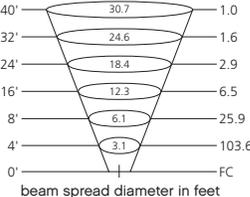
PHOTOMETRIC GUIDE

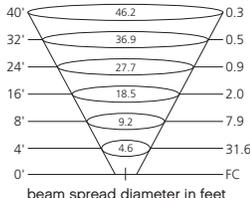
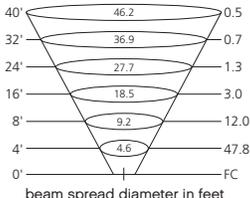
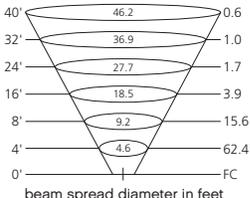


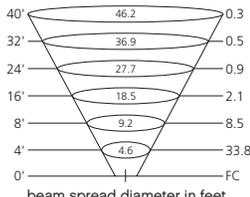
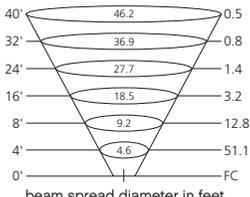
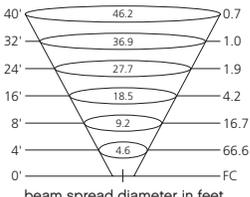
FIELD CHANGEABLE LENS OPTIONS

25° SPOT LIGHT 2700K	3W 1536XX-3W27SP		5W 1536XX-5W27SP		7.5W 1536XX-8W27SP	
	LUMENS	CANDLE POWER	LUMENS	CANDLE POWER	LUMENS	CANDLE POWER
	224	1447	333	2157	438	2830
25° SPOT LIGHT 3000K	3W 1536XX-3WLEDSP		5W 1536XX-5WLEDSP		7.5W 1536XX-8WLEDSP	
	LUMENS	CANDLE POWER	LUMENS	CANDLE POWER	LUMENS	CANDLE POWER
	239	1546	356	2304	468	3023

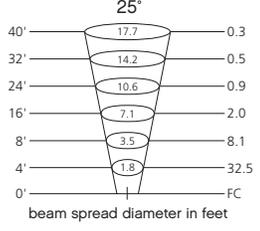
40° MEDIUM LIGHT 2700K	3W 1536XX-3W27MD		5W 1536XX-5W27MD		7.5W 1536XX-8W27MD	
	LUMENS	CANDLE POWER	LUMENS	CANDLE POWER	LUMENS	CANDLE POWER
	233	784	354	1194	461	1552
	<p>40°</p>  <p>beam spread diameter in feet</p>		<p>40°</p>  <p>beam spread diameter in feet</p>		<p>40°</p>  <p>beam spread diameter in feet</p>	

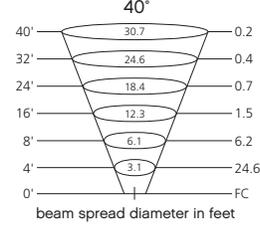
40° MEDIUM LIGHT 3000K	3W 1536XX-3WLEDMD		5W 1536XX-5WLEDMD		7.5W 1536XX-8WLEDMD	
	LUMENS	CANDLE POWER	LUMENS	CANDLE POWER	LUMENS	CANDLE POWER
	249	838	378	1276	493	1658
	<p>40°</p>  <p>beam spread diameter in feet</p>		<p>40°</p>  <p>beam spread diameter in feet</p>		<p>40°</p>  <p>beam spread diameter in feet</p>	

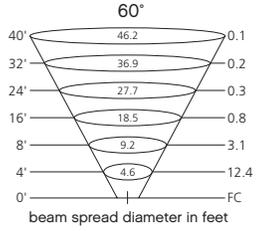
60° FLOOD LIGHT 2700K	3W 1536XX-3W27FL		5W 1536XX-5W27FL		7.5W 1536XX-8W27FL	
	LUMENS	CANDLE POWER	LUMENS	CANDLE POWER	LUMENS	CANDLE POWER
	237	506	360	765	470	998
	<p>60°</p>  <p>beam spread diameter in feet</p>		<p>60°</p>  <p>beam spread diameter in feet</p>		<p>60°</p>  <p>beam spread diameter in feet</p>	

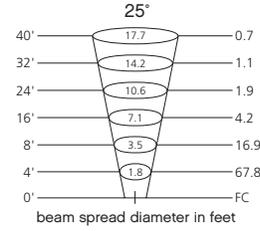
60° FLOOD LIGHT 3000K	3W 1536XX-3WLEDFL		5W 1536XX-5WLEDFL		7.5W 1536XX-8WLEDFL	
	LUMENS	CANDLE POWER	LUMENS	CANDLE POWER	LUMENS	CANDLE POWER
	255	541	385	817	502	1066
	<p>60°</p>  <p>beam spread diameter in feet</p>		<p>60°</p>  <p>beam spread diameter in feet</p>		<p>60°</p>  <p>beam spread diameter in feet</p>	

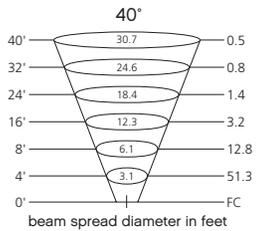
LED BULBS

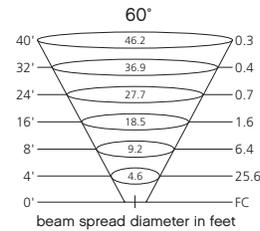
2W27K25		MR16 LED	PHOTOMETRICS
	WATTAGE	2w	 <p>25°</p> <p>beam spread diameter in feet</p>
	BEAM SPREAD	25°	
	COLOR TEMP.	2700K	
	LUMENS	160	
	CANDLE POWER	520	
	BASE	Bi-Pin	
	LIFESPAN	50,000 Hrs.	

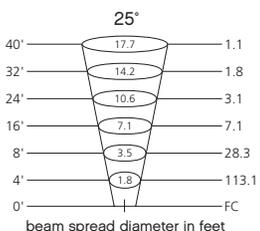
2W27K40		MR16 LED	PHOTOMETRICS
	WATTAGE	2w	 <p>40°</p> <p>beam spread diameter in feet</p>
	BEAM SPREAD	40°	
	COLOR TEMP.	2700K	
	LUMENS	160	
	CANDLE POWER	394	
	BASE	Bi-Pin	
	LIFESPAN	50,000 Hrs.	

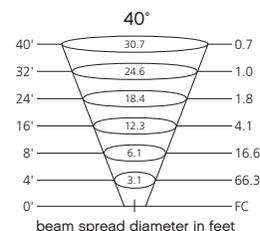
2W27K60		MR16 LED	PHOTOMETRICS
	WATTAGE	2w	 <p>60°</p> <p>beam spread diameter in feet</p>
	BEAM SPREAD	60°	
	COLOR TEMP.	2700K	
	LUMENS	160	
	CANDLE POWER	198	
	BASE	Bi-Pin	
	LIFESPAN	50,000 Hrs.	

5W27K25		MR16 LED	PHOTOMETRICS
	WATTAGE	5w	 <p>25°</p> <p>beam spread diameter in feet</p>
	BEAM SPREAD	25°	
	COLOR TEMP.	2700K	
	LUMENS	300	
	CANDLE POWER	1084	
	BASE	Bi-Pin	
	LIFESPAN	50,000 Hrs.	

5W27K40		MR16 LED	PHOTOMETRICS
	WATTAGE	5w	 <p>40°</p> <p>beam spread diameter in feet</p>
	BEAM SPREAD	40°	
	COLOR TEMP.	2700K	
	LUMENS	300	
	CANDLE POWER	820	
	BASE	Bi-Pin	
	LIFESPAN	50,000 Hrs.	

5W27K60		MR16 LED	PHOTOMETRICS
	WATTAGE	5w	 <p>60°</p> <p>beam spread diameter in feet</p>
	BEAM SPREAD	60°	
	COLOR TEMP.	2700K	
	LUMENS	300	
	CANDLE POWER	410	
	BASE	Bi-Pin	
	LIFESPAN	50,000 Hrs.	

8W27K25		MR16 LED	PHOTOMETRICS
	WATTAGE	8w	 <p>25°</p> <p>beam spread diameter in feet</p>
	BEAM SPREAD	25°	
	COLOR TEMP.	2700K	
	LUMENS	500	
	CANDLE POWER	1810	
	BASE	Bi-Pin	
	LIFESPAN	50,000 Hrs.	

8W27K40		MR16 LED	PHOTOMETRICS
	WATTAGE	8w	 <p>40°</p> <p>beam spread diameter in feet</p>
	BEAM SPREAD	40°	
	COLOR TEMP.	2700K	
	LUMENS	500	
	CANDLE POWER	1060	
	BASE	Bi-Pin	
	LIFESPAN	50,000 Hrs.	

T3 LED REPLACEMENT	00T3-27LED	00T3-LED	
	WATTAGE	1.5w / 1.8VA	1.5w / 1.8VA
	BEAM SPREAD	360°	360°
	COLOR TEMP.	2700K	3000K
	LUMENS	140	140
	BASE	Bi-Pin	Bi-Pin
	LIFESPAN	35,000 Hrs.	35,000 Hrs.

T5 LED REPLACEMENT	00T5-27LED	00T5-LED	
	WATTAGE	1.7w / 2.0VA	1.7w / 2.0VA
	BEAM SPREAD	360°	360°
	COLOR TEMP.	2700K	3000K
	LUMENS	180	180
	BASE	Wedge	Wedge
	LIFESPAN	35,000 Hrs.	35,000 Hrs.

2W3K25		MR16 LED 25°	PHOTOMETRICS
	WATTAGE	2w	<p>beam spread diameter in feet</p>
	BEAM SPREAD	25°	
	COLOR TEMP.	3000K	
	LUMENS	160	
	CANDLE POWER	527	
	BASE	Bi-Pin	
	LIFESPAN	50,000 Hrs.	

2W3K40		MR16 LED	PHOTOMETRICS
	WATTAGE	2w	<p>beam spread diameter in feet</p>
	BEAM SPREAD	40°	
	COLOR TEMP.	3000K	
	LUMENS	160	
	CANDLE POWER	392	
	BASE	Bi-Pin	
	LIFESPAN	50,000 Hrs.	

2W3K60		MR16 LED	PHOTOMETRICS
	WATTAGE	2w	<p>beam spread diameter in feet</p>
	BEAM SPREAD	60°	
	COLOR TEMP.	3000K	
	LUMENS	160	
	CANDLE POWER	204	
	BASE	Bi-Pin	
	LIFESPAN	50,000 Hrs.	

5W3K25		MR16 LED	PHOTOMETRICS
	WATTAGE	5w	<p>beam spread diameter in feet</p>
	BEAM SPREAD	25°	
	COLOR TEMP.	3000K	
	LUMENS	320	
	CANDLE POWER	1098	
	BASE	Bi-Pin	
	LIFESPAN	50,000 Hrs.	

5W3K40		MR16 LED	PHOTOMETRICS
	WATTAGE	5w	<p>beam spread diameter in feet</p>
	BEAM SPREAD	40°	
	COLOR TEMP.	3000K	
	LUMENS	320	
	CANDLE POWER	818	
	BASE	Bi-Pin	
	LIFESPAN	50,000 Hrs.	

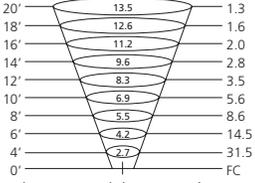
5W3K60		MR16 LED	PHOTOMETRICS
	WATTAGE	5w	<p>beam spread diameter in feet</p>
	BEAM SPREAD	60°	
	COLOR TEMP.	3000K	
	LUMENS	320	
	CANDLE POWER	420	
	BASE	Bi-Pin	
	LIFESPAN	50,000 Hrs.	

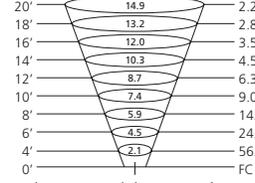
8W3K25		MR16 LED	PHOTOMETRICS
	WATTAGE	8w	<p>beam spread diameter in feet</p>
	BEAM SPREAD	25°	
	COLOR TEMP.	3000K	
	LUMENS	510	
	CANDLE POWER	1750	
	BASE	Bi-Pin	
	LIFESPAN	50,000 Hrs.	

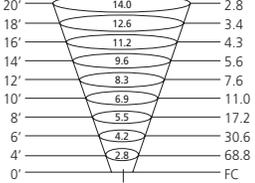
8W3K40		MR16 LED	PHOTOMETRICS
	WATTAGE	8w	<p>beam spread diameter in feet</p>
	BEAM SPREAD	40°	
	COLOR TEMP.	3000K	
	LUMENS	510	
	CANDLE POWER	1310	
	BASE	Bi-Pin	
	LIFESPAN	50,000 Hrs.	

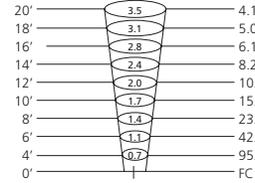
MR8LED60		MR8 LED	PHOTOMETRICS
	WATTAGE	2.5w	<p>beam spread diameter in feet</p>
	BEAM SPREAD	60°	
	COLOR TEMP.	2700K	
	LUMENS	90	
	CANDLE POWER	115	
	BASE	Bi-Pin	
	LIFESPAN	50,000 Hrs.	

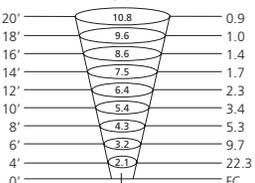
HALOGEN BULBS

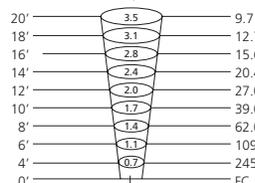
4425	PAR 36 HALOGEN		PHOTOMETRICS
	WATTAGE	25w	<p>60°</p>  <p>beam spread diameter in feet</p>
	BEAM SPREAD	60° WFL	
	COLOR TEMP.	2900	
	LUMENS	100	
	CANDLE POWER	530	
	BASE	Bi-Pin	
	LIFESPAN	1000 Hrs.	

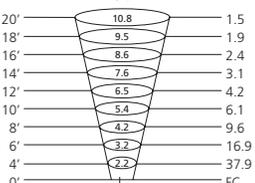
4435	PAR 36 HALOGEN		PHOTOMETRICS
	WATTAGE	35w	<p>30°</p>  <p>beam spread diameter in feet</p>
	BEAM SPREAD	30° WFL	
	COLOR TEMP.	2950	
	LUMENS	250	
	CANDLE POWER	1000	
	BASE	Bi-Pin	
	LIFESPAN	4000 Hrs.	

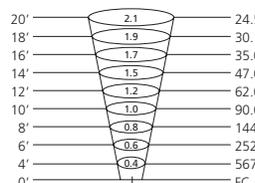
4450	PAR 36 HALOGEN		PHOTOMETRICS
	WATTAGE	50w	<p>30°</p>  <p>beam spread diameter in feet</p>
	BEAM SPREAD	30° WFL	
	COLOR TEMP.	3000	
	LUMENS	400	
	CANDLE POWER	1500	
	BASE	Bi-Pin	
	LIFESPAN	4000 Hrs.	

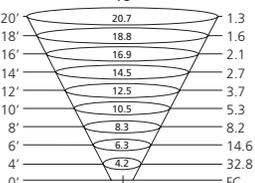
0011N10	MR11 HALOGEN		PHOTOMETRICS
	WATTAGE	10w	<p>15°</p>  <p>beam spread diameter in feet</p>
	BEAM SPREAD	15° NSP	
	COLOR TEMP.	2800	
	LUMENS	80	
	CANDLE POWER	1300	
	BASE	Bi-Pin	
	LIFESPAN	2000 Hrs.	

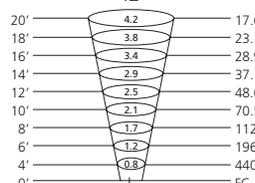
0011W10	MR11 HALOGEN		PHOTOMETRICS
	WATTAGE	10w	<p>30°</p>  <p>beam spread diameter in feet</p>
	BEAM SPREAD	30° WFL	
	COLOR TEMP.	2800	
	LUMENS	90	
	CANDLE POWER	350	
	BASE	Bi-Pin	
	LIFESPAN	2000 Hrs.	

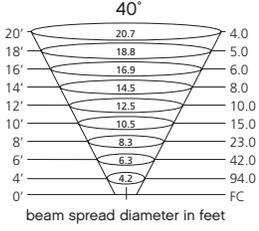
0011N20	MR11 HALOGEN		PHOTOMETRICS
	WATTAGE	20w	<p>15°</p>  <p>beam spread diameter in feet</p>
	BEAM SPREAD	15° NSP	
	COLOR TEMP.	2800	
	LUMENS	80	
	CANDLE POWER	1300	
	BASE	Bi-Pin	
	LIFESPAN	2000 Hrs.	

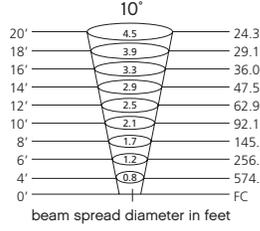
0011W20	MR11 HALOGEN		PHOTOMETRICS
	WATTAGE	20w	<p>30°</p>  <p>beam spread diameter in feet</p>
	BEAM SPREAD	30° WFL	
	COLOR TEMP.	2900	
	LUMENS	190	
	CANDLE POWER	700	
	BASE	Bi-Pin	
	LIFESPAN	2000 Hrs.	

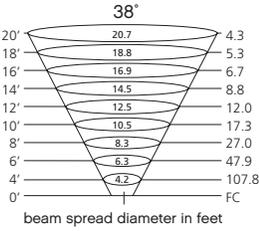
0016N20	MR16 HALOGEN		PHOTOMETRICS
	WATTAGE	20w	<p>7°</p>  <p>beam spread diameter in feet</p>
	BEAM SPREAD	7° NSP	
	COLOR TEMP.	3000	
	LUMENS	170	
	CANDLE POWER	3000	
	BASE	Bi-Pin	
	LIFESPAN	2000 Hrs.	

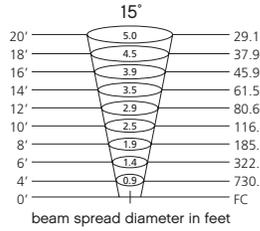
0016W20	MR16 HALOGEN		PHOTOMETRICS
	WATTAGE	20w	<p>40°</p>  <p>beam spread diameter in feet</p>
	BEAM SPREAD	40° WFL	
	COLOR TEMP.	2900	
	LUMENS	190	
	CANDLE POWER	700	
	BASE	Bi-Pin	
	LIFESPAN	2000 Hrs.	

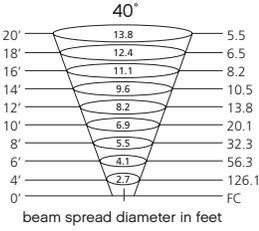
0016N35	MR16 HALOGEN		PHOTOMETRICS
	WATTAGE	35w	<p>12°</p>  <p>beam spread diameter in feet</p>
	BEAM SPREAD	12° NSP	
	COLOR TEMP.	2950	
	LUMENS	300	
	CANDLE POWER	7400	
	BASE	Bi-Pin	
	LIFESPAN	2000 Hrs.	

0016W35	MR16 HALOGEN		PHOTOMETRICS	
	WATTAGE	35w	 <p>beam spread diameter in feet</p>	
	BEAM SPREAD	40° WFL		
	COLOR TEMP.	2950		
	LUMENS	340		
	CANDLE POWER	1300		
	BASE	Bi-Pin		
	LIFESPAN	2000 Hrs.		

0016N50	MR16 HALOGEN		PHOTOMETRICS	
	WATTAGE	50w	 <p>beam spread diameter in feet</p>	
	BEAM SPREAD	10° NSP		
	COLOR TEMP.	3000		
	LUMENS	430		
	CANDLE POWER	8500		
	BASE	Bi-Pin		
	LIFESPAN	2000 Hrs.		

0016W50	MR16 HALOGEN		PHOTOMETRICS	
	WATTAGE	50w	 <p>beam spread diameter in feet</p>	
	BEAM SPREAD	38° WFL		
	COLOR TEMP.	3000		
	LUMENS	470		
	CANDLE POWER	1580		
	BASE	Bi-Pin		
	LIFESPAN	2000 Hrs.		

0016N75	MR16 HALOGEN		PHOTOMETRICS	
	WATTAGE	75w	 <p>beam spread diameter in feet</p>	
	BEAM SPREAD	15° NSP		
	COLOR TEMP.	3000		
	LUMENS	650		
	CANDLE POWER	11,200		
	BASE	Bi-Pin		
	LIFESPAN	2000 Hrs.		

0016W75	MR16 HALOGEN		PHOTOMETRICS	
	WATTAGE	75w	 <p>beam spread diameter in feet</p>	
	BEAM SPREAD	40° WFL		
	COLOR TEMP.	3000		
	LUMENS	720		
	CANDLE POWER	1900		
	BASE	Bi-Pin		
	LIFESPAN	2000 Hrs.		

T5 WEDGE BASE	0906	0912	0921	0921X	
	WATTAGE	7w	12w	18w	18w
	BEAM SPREAD	360°	360°	360°	360°
	COLOR TEMP.	2700K	2700K	2700K	2700K
	CANDLE POWER	6	12	21	21
	BASE	Wedge	Wedge	Wedge	Wedge
	LIFESPAN	1000 Hrs.	1000 Hrs.	1000 Hrs.	1000 Hrs.

T3 & T4 HALOGEN	0020T3	0010T4	0020T4	0050T4	
	WATTAGE	20w	10w	20w	50w
	BEAM SPREAD	360°	360°	360°	360°
	COLOR TEMP.	3000K	3000K	3000K	3000K
	CANDLE POWER	320	140	320	930
	BASE	Bi-Pin	Bi-Pin	Bi-Pin	Bi-Pin
	LIFESPAN	2000 Hrs.	2000 Hrs.	2000 Hrs.	2000 Hrs.



LED LOW VOLTAGE DESIGN + INSTALLATION

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 work, recreation or entertaining? Think about areas in which added light would enhance safety, such as steps or a wall around the side of your home.

helpful planning tip

DON'T MISS THE LANDSCAPE LIGHTING TECHNIQUES ON PAGES 8-9 TO DETERMINE THE BEST METHODS FOR HIGHLIGHTING YOUR HOME'S EXTERIOR.



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 rated 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 conduit be used when running wiring through the wall. Calculate the total volt amperage (VA) your system requires. Then choose a transformer powerful enough to handle the total VA and still have some extra capacity if fixtures will be added at a later time.

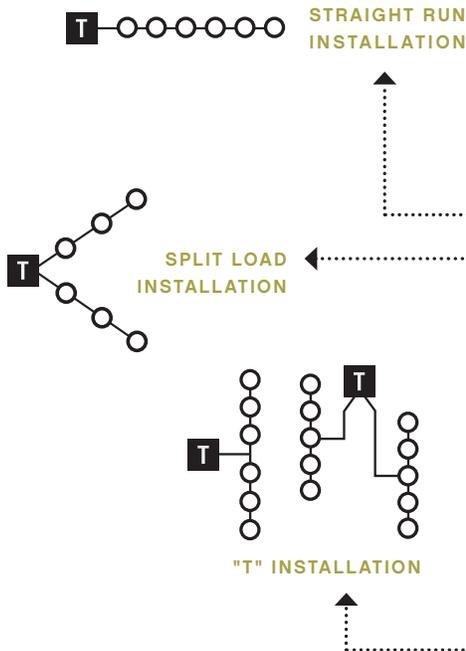
CABLE

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

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 the transformer. Locate the transformer in the center of the run and 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. For lengthy runs, use 8 or 10 AWG cable to split. Use 12 AWG cable to cross the "T" between fixtures.

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 (10VAC-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 (WATTAGE)

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 x 2.1 W each =
12.6 W total
(ACTUAL ENERGY CONSUMED)

6 fixtures x 3.2 VA each =
19.2 VA total
(MINIMUM TRANSFORMER REQUIRED)

for further instructions ON FIXTURE CONNECTION, MOUNTING AND ACCESSORIES, FOLLOW HINKLEY'S INCANDESCENT INSTALLATION INSTRUCTIONS FOUND ON PAGE 86.

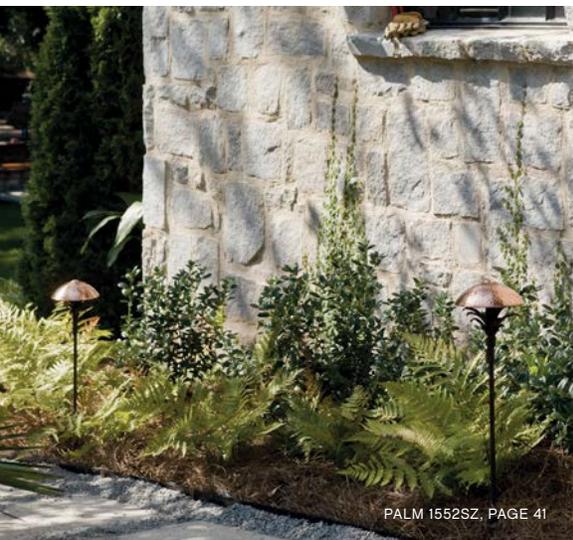
12V LOW VOLTAGE DESIGN + INSTALLATION

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 work, recreation or entertaining? Think about areas in which added light would enhance safety, such as steps or a wall around the side of your home.

helpful planning tip

DON'T MISS THE LANDSCAPE LIGHTING TECHNIQUES ON PAGES 8-9 TO DETERMINE THE BEST METHODS FOR HIGHLIGHTING YOUR HOME'S EXTERIOR.



PALM 1552SZ, PAGE 41

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 and select the appropriate 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 conduit be used when running wiring through the wall. 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 if fixtures will be added at a later time.

CABLE

12-volt 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 AND VOLTAGE DROP

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'

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 = sum of the incandescent wattage on a single run of wire.

Volt Amps = sum of the LED VA on a single run of wire.

Cable Length = length of cable run (feet) from the 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.

THE CABLE CONSTANT IS BASED ON WIRE SIZE. REMEMBER THAT LARGER WIRES HAVE LOWER AWG SIZES.

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

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. Example: (3) 50w fixtures on a 75 ft. run using 12 gauge wire.

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

EXAMPLE:

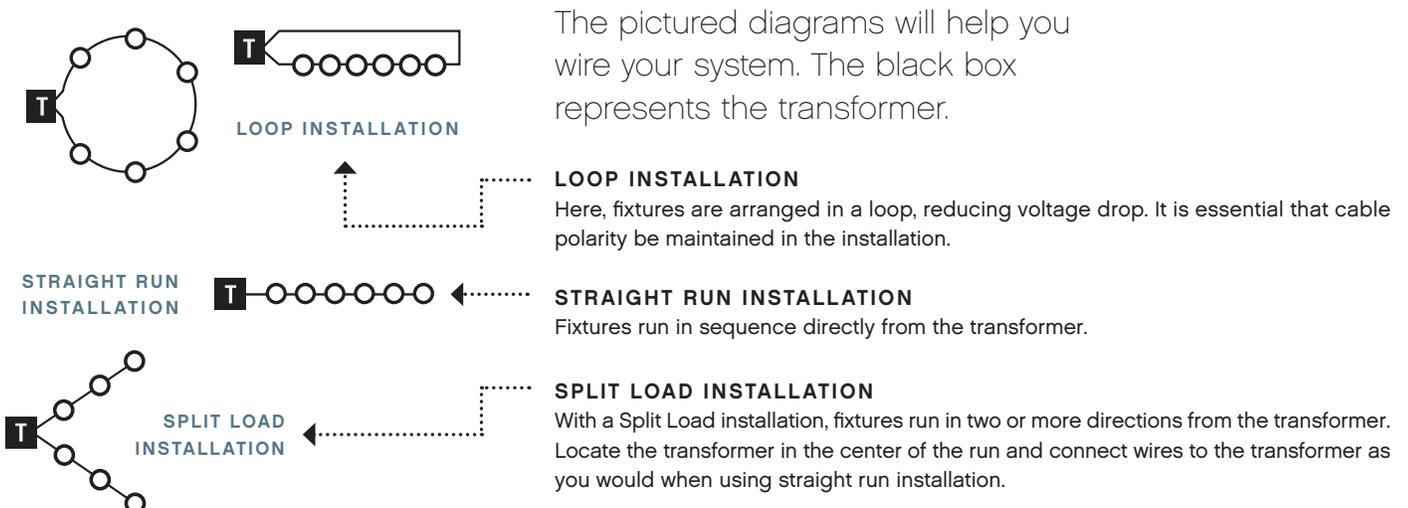
VOLTAGE DROP = $\frac{150w \times 75'}{7500 \text{ (12 AWG Cable Constant)}} \times 2$

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

**15 VOLT TAP - 3 (VOLTAGE DROP) =
12 (ACTUAL VOLTAGE)**

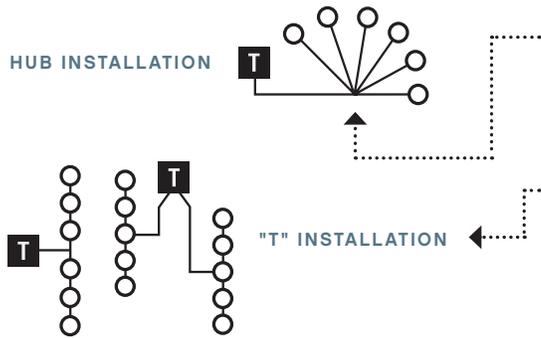
Voltage should not drop below 10.8 volts. In this case you should choose higher outputs to keep voltage in desired range of 11.2 volts-11.6 volts.

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.



continued on next page ►

STEP 3: WIRING YOUR SYSTEM AND VOLTAGE DROP *continued*



HUB INSTALLATION

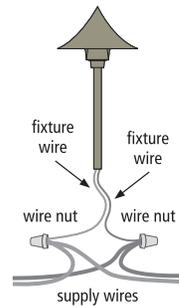
With a Hub installation, fixtures in a group are connected at a central hub. The voltage drop will be virtually identical for each fixture, which makes this installation option optimal. Fewer connections are needed, simplifying troubleshooting and system servicing.

"T" INSTALLATION

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

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 candle power output



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.

MOUNTING

Hinkley low-voltage fixtures come standard with the 0014 BZ ground spike (see accessories, page 75) and can be easily relocated every several years to adjust for the natural growth of trees and plantings.

STEP 4: CONSIDER ACCESSORIES

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.

for additional accessories AND CONTROLS, SEE PAGES 74-77.

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The Hinkley Lighting family proudly supports breast cancer initiatives. By increasing awareness and supporting education and community events, together we can work towards finding a cure. Hinkley also supports a variety of other charitable organizations that strive to make a positive difference in the lives of others. Visit hinkleylighting.com for more information.

Be inspired | ENGAGING VIDEOS

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HINKLEY LANDSCAPE LIGHTING WARRANTY

Hinkley Landscape Lighting products have been manufactured under the highest standards of quality and workmanship. All Hinkley Landscape Lighting fixtures are warranted against defects in materials and workmanship for a period of five (5) years from the date of shipment, unless otherwise noted below.

HARDY ISLAND™ SERIES

Lifetime limited warranty

STANDARD HOUSING

5 year limited warranty

ELECTRICAL COMPONENTS & SOCKETS

3 year limited warranty

LED LAMPS

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INTEGRATED LED COMPONENTS

10 year limited warranty

PRO-SERIES™ TRANSFORMER

Lifetime limited warranty

STANDARD TRANSFORMER

10 year limited warranty

For further details concerning this limited warranty coverage, please refer to the "Warranty" information section of hinkleylighting.com or consult a qualified Hinkley Landscape Lighting distributor.

All fixtures in this catalog are either UL-listed or ETL-listed for compliance with low voltage lighting standards.



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Several Hinkley Lighting products are protected under U.S. Patent and foreign patent, or patent pending. For current information regarding Hinkley Lighting's patent portfolio, please visit hinkleylighting.com.

Consistent with our corporate strategy, we have printed this catalog using vegetable-based inks, paper made with wind power and FSC® certified paper which consists of 10% post-consumer recovered fiber.

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Hinkley Lighting is a proud partner of the American Lighting Association.

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