



About Our Products

Nite Time Decor has been designing and installing landscape lighting systems since 1998. Using our extensive experience, we have developed our own exclusive product line that delivers efficiency, performance, and value to our clients. As we've developed each product, we have focused primarily on construction, design, and value—as the product has to be durable, but also applicable and affordable. We are not interested in installing systems that do not perform long term—we want each installation to look as good years from now as it did the day it was installed.

Long-lasting Construction
Stand Up to Harsh Climate
Balanced Value



NTD Fixtures

The long-term value and performance of a landscape lighting system can be limited by using poor-quality fixtures. At Nite Time Decor, we recognize this, and have secured our own exclusive product line, ensuring that each job is done using the highest quality components. We've developed a fixture for every application—with most products being constructed of durable, cast brass.

- Beryllium Sockets**
- 25' Lead 18 Gauge wire**
- Pre-Greased Sockets**
- Heat Shrink Protected Wires**
- Thumb Screw Adjustments**



SPOTWB



Surface Wall Mount



Commercial Brass Well Light Grate



Gutter Mount Bracket



75W Transformer



300W Transformer



600W Transformer

NTD Installation Accessories

A landscape lighting installation is only as good as its weakest point. That's why Nite Time Decor uses only the finest in installation tools and accessories. Each component we use has been selected or developed based on our years of field experience—we know what it takes to assemble a high-performance landscape lighting system.

NTD Transformers

The transformer serves as the 'heartbeat' of the landscape lighting system. Our transformers are designed for performance—constructed of the most durable materials with the most efficient operation. We carry transformers that are suited for today's LED projects as well as larger transformers designed for big installations. Transformers are available in 50 to 600 watt sizes.

NTD Lamps

The Lamp does the lighting, thus it is critical to use the best quality product to achieve the optimum results. Our LED lamps use only CREE LED Chips. We stock PAR36, MR16, MR11, and Bi-pin LED retro lamps with wattage and beam spread options. Furthermore, we stock a complete selection of incandescent lamps in a variety of wattages and beam spreads to meet your application.



BIPIN



PAR36



MR16



MR11



NTD Controllers

Automation of your landscape lighting system creates convenience and cost savings for you—your system can be set to turn on and off whenever you want, and you don't have to worry about it. We carry a selection of the most technologically-advanced controllers in the industry, which can be incorporated into your landscape lighting system quickly and efficiently.



Dimmer Switch



PhotoCell Timer



Astro Timer

NTD Limited Time Warranty

Nite Time Decor guarantees the quality of our products and installation with one of the most comprehensive warranties in the industry. It protects the system and components for years and is effective after the original installation is completed. The warranty DOES NOT cover acts of nature, such as lightning strikes and damage due to physical abuse or vandalism. The warranty is void if anyone other than a Nite Time Decor contractor accesses the transformer for any reason other than the timer adjustment. We will make timely replacements and/or repairs as described below at no additional charge.

Lighting Control Automation Warranty

Nite Time Decor timers, controls, and other automation modules carry a 1-year limited warranty.

Lamp Warranty

Nite Time Decor lamps are covered by a 5-year limited warranty from the initial date of system installation. Only when a Nite Time Decor contractor replaces or installs the lamps does the warranty apply. The installation of the incorrect lamps by the property owner or another firm that causes system failure and/or fixture damage are not covered by warranty.

Transformer Warranty

Nite Time Decor outdoor transformers carry a lifetime warranty.

Light Fixture Warranty

Nite Time Decor guarantees light fixtures for a lifetime, from the installation date.

Wire Warranty

Nite Time Decor outdoor low-voltage wire is covered by a 10-year warranty.

Installation Warranty

Nite Time Decor guarantees installation for one (1) year from installation date. We offer a lifetime warranty on any lighting system that we design, install and maintain. If you choose not to maintain your lighting system with our current maintenance program, your system will be covered only to the limits listed above, or the limits of the individual manufacturer's warranty of the products used in the design.

This warranty covers the performance of the fixtures, transformer and installation. All quality fixtures will experience some finish changes over time. This will not affect their performance, rather increases their appeal. All automation components are covered by their specific manufacturer's warranty.

Lighting Styles

There are different styles of lighting, each with unique features that transform your desired spaces! Some of these lighting styles include up-lighting, down-lighting, flood lights, path lighting, deck and step lighting.



Up-Lighting

This technique consists of lighting a property from the bottom up for an elegant effect



Down-Lighting

Consist of lighting features downwards from the top



Highlighting

This method is used to bring attention to certain elements like trees, walls, etc.



Moon Lighting

Used to simulate moon light by placing lamps above trees, walls, etc





Path Lighting

Used for lighting driveways, sidewalks, walkways to create paths of light



RGB Lighting

Used to bring full color range and create unique moods and styles



Accenting

This technique is used for lighting up stairs, or platforms for night enjoyment



Wall-Washing

Used for highlighting walls with varying flood patterns



Silhouetting

This technique is used for creating silhouettes of greenery like trees, bushes, etc.



Color Temperature (KELVINS)

Kelvins is a measurement used to describe the color temperature of a light source. This is the specification commonly referred to as **CCT Color Correlated Temperature**. It's a gauge of how yellow or blue a white light source appears to the human eye. Landscape lighting scale is typically from 2500K up to 5700K that a description of the warmth or coolness of a light source.

The landscape industry has landed on 2700K as standard Warm White, 300K as standard for Neutral White, and 5000K as Cool White.

WARM WHITE

At the lower end of the scale, from 2000K to 3000K, the light produced is called "warm white" and ranged from orange to yellow white in appearance.

NEUTRAL WHITE

Color temperatures between 3100K and 4500K are referred to as "neutral white" or "bright white" lamps within this range will emit more neutral white light and may even have a slightly blue tint.

COOL WHITE

Above 4500K brings us daylight color temperature of light. Lamps with 4500K and above will give off blue-white light that mimics daylight.

CRI Color Rendering Index

Another part of color temperature is CRI Color Rendering Index. It is a measurement between 0 and 100. At zero (0), all colors look the same. A CRI of 100 shows the true color of an object. Incandescent is the standard all light CRI's are measured against. They are at 100. Typically a CRI of 80 to 90 are regarded as good and those with a CRI of 90+ are excellent. General rule is the higher the CRI, the better the color rendering.



2700K CRI 100



2700K CRI 90



2700K CRI 70

Watts

Watts are a measurement of power consumption. With traditional incandescent lights typically the higher the wattage, the brighter the light. With LED lamps this is different because there is no hard fast rule to correlate wattage with output. One brand LED say 9W may emit enough Lumens to replace a 60W bulb, but another brand may need to use a less efficient LED, say 12W lamp to create enough lumens. In fact, that is why looking at Lumens versus Watts.

Lumens

Lumens is a measurement of total light output also known as the **brightness** of the bulb. More lumens means a brighter light, fewer lumens means a dimmer light.

Lumens are to light what:

Pounds are to bananas,
Gallons are to milk

Lumens let you buy the amount of light you want.

When considering new bulbs, think lumens not watts.

100w Halogen is 1600 lumens, equal to a 10w LED bulb

50w Halogen is 800 lumens, equal to a 7w LED bulb

25w Halogen is 400 lumens, equal to a 5w LED bulb

20w Halogen is 320 lumens, equal to a 4w LED bulb

10w Halogen is 160 lumens, equal to a 2w LED bulb

All numbers are average due to various manufacturers.

Lightbulb Shapes/Sizes

Lamps are described in many ways. First by **Base** i.e. E26, E11, GU5.3, **Shape** i.e. A, C, G, **Size** i.e. 16, 19, 30, 36

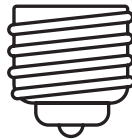


Base

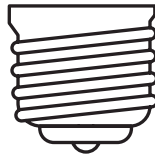
1. Candelabra - E12 North America, E11 Europe
2. Intermediate - E17 North America, E14 (ES, SES) Europe
3. Medium/Standard - E26 (MES) North America, E27 (ES) Europe
4. Mogul - E39 North America, E40 (Goliath ES) Europe
5. Bipin - G4, 5.3 low voltage GU10 line voltage



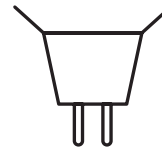
E12



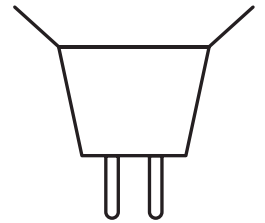
E26



E39



G4

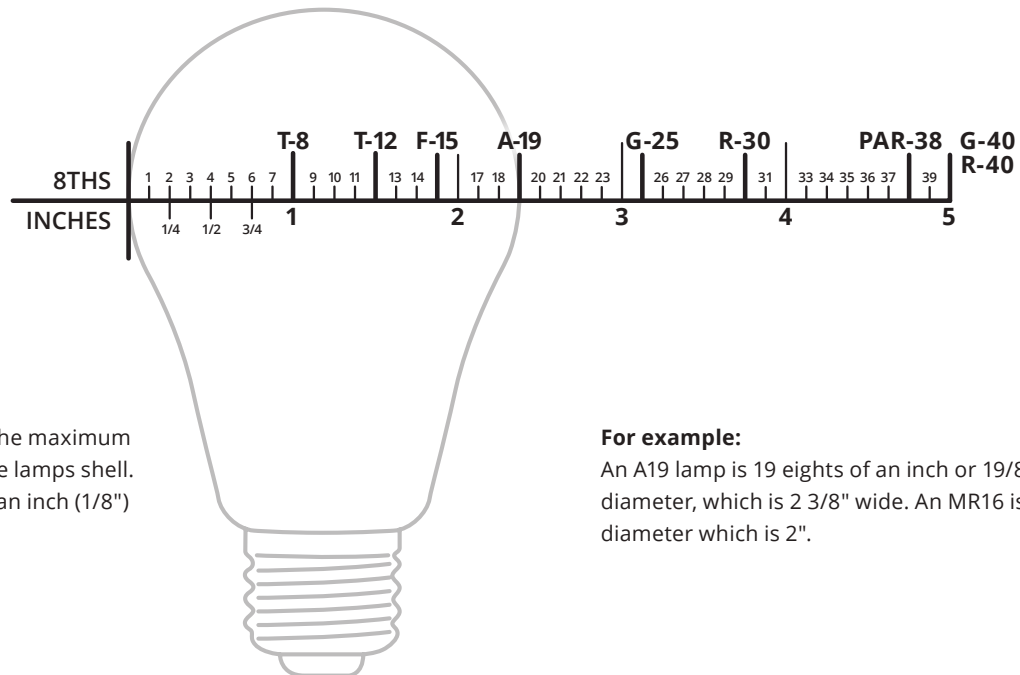


GU5.3

Shape

Typically described first by a letter, then a number to reflect the shape and size of lamp. The letter refers to the shape, and the number refers to size (more on that later).

- A.** Arbitrary, Angle most resembles a standard bulb
- C.** Conical, Candle often referred to Christmas light bulb
- G.** Globe round or circular
- S.** Sign called straight sided. Traditionally used in signs.
- ST.** Straight tapered often seen in vintage-edison style lamps
- R/BR.** Reflector typically make up flood type lamps
- MR.** Multifaceted Reflector a directionally focused lamp
- PAR.** Parabolic Aluminized Reflector like BR lights, but more directional



Sizes

Lamp size is determined by the maximum overall diameter (MOD) of the lamps shell. It is represented in eighths of an inch (1/8")

For example:

An A19 lamp is 19 eighths of an inch or 19/8" in diameter, which is 2 3/8" wide. An MR16 is 16/8" in diameter which is 2".

Ingress Protection

A rating system developed by the IEC (International Electrotechnical Commission) reflects an enclosure's sealing effectiveness from foreign objects and moisture.



Solid Protection

- 0** Not rated for protection
- 1** Protection against solid objects larger than 50mm, but not against deliberate contact (contact with open hand palm)
- 2** Protection against solid objects larger than 12mm (contact from finger)
- 3** Protection against solid objects larger than 2.5mm (wire or tools)
- 4** Protection against solid objects larger than 1mm (slender screws or nails, larger insects or potentially invasive small objects)
- 5** Partial protection against dust and smaller particles
- 6** Full protection against dust and other similar particles

IP Rating Example

IP65

Water Protection

- 0** Not rated for protection
- 1** Protection against vertical falling water droplets (condensation)
- 2** Protection against vertical falling water droplets when tilted at 15 degrees
- 3** Protection against moisture spray at up to 60 degree angles
- 4** Protection against splashing water from any direction for a minimum of 10 minutes
- 5** Protection against low-pressure jets of water
- 6** Protection against powerful jets of water at a rate of 100 litres per minute (100kPa of pressure at a distance of 3m for 15 minutes)
- 7** Protection against full immersion up to 1m in depth for 30 minutes. Always check manufacture specifics for products with this rating
- 8** Protection against full immersion up to 1m or more in depth for more than 30 minutes. Always check manufacture specifics for products with this rating.

Wire Size

Wire gauge refers to the physical size of the wire, rated with a numerical designation that runs opposite to the diameter of the conductors. The smaller the wire gauge, the larger the designated number.

In the gauges of wire, a gauge number describes the number of dies through which the wire has been pulled in order to reduce it down to a given diameter.

For informational purposes the landscape wire chart is suggested wire size.

Watts	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	
Feet																					
40	16	16	16	16	16	16	16	16	16	14	14	12	12	12	12	12	12	12	12	12	12
60	16	16	16	16	16	16	16	16	14	14	14	12	12	12	12	12	12	12	12	12	10
80	16	16	16	16	16	16	14	14	14	14	14	12	12	12	12	10	10	10	10	10	10
100	16	16	16	16	14	14	14	14	14	12	12	12	10	10	10	10	10	10	10	10	8
120	12	12	12	12	12	12	12	12	12	12	10	10	10	10	10	8	8	8	8	8	8
142	12	12	12	12	12	12	12	12	10	10	10	10	10	8	8	8	8	8	8	8	8
160	12	12	12	12	12	12	12	10	10	10	10	8	8	8	8	8	8	8			
180	12	12	12	12	12	12	10	10	10	10	8	8	8	8	8	8					
200	12	12	12	12	12	12	10	10	10	8	8	8	8	8	8						
220	12	12	12	12	12	10	10	10	8	8	8	8	8								
240	12	12	12	12	10	10	10	8	8	8	8	8									
260	12	12	12	12	10	10	10	8	8	8	8										
280	12	12	12	10	10	10	8	8	8	8											
300	12	12	12	10	10	10	8	8	8	8											
320	12	12	10	10	10	8	8	8	8												
340	12	12	10	10	10	8	8	8	8												
360	12	10	10	10	8	8	8	8													

Lamps

Our lamps are offered in a variety of different styles, lumen output, beam angles, and wattage.



Bipin LED Lamp
LBPIN-LED-300LM-WW

Beam Angle	360
Lumens	320-410
Watts	2, 3, 4
Color	WW, NW
CRI	80+
Voltage	9-15VAC
Hours	25,000
Warranty	3 Years



MR11 LED Lamp
MR11LED2W120CW

Beam Angle	24, 60
Lumens	150-180
Watts	2, 5
Color	WW, NW
CRI	85+
Voltage	8-25VAC
Hours	50,000
Warranty	5 Years



MR16 LED Lamp
MR16LED5W60BL

Beam Angle	15, 30, 60, 120
Lumens	330-710
Watts	4, 5, 7
Color	WW, NW, CW
CRI	85+
Voltage	9-15VAC
Hours	50,000
Warranty	5 Years



PAR36 LED Lamp
PAR36LED15W30WW

Beam Angle	24, 60, 120
Lumens	420-1050
Watts	6, 10, 13
Color	WW, NW, CW
CRI	85+
Voltage	12-24VAC
Hours	50,000
Warranty	5 Years

Spotlights vs Floodlights

Spotlights feature a shorter beam spread with longer light reach. Generally, these are used for accenting features in smaller areas like trees, statues, flag poles, etc.



Narrow Spot

Accents specific features like trees and statues. The narrow angle help concentrate light to a specific area.
Typical 15°



Narrow Flood

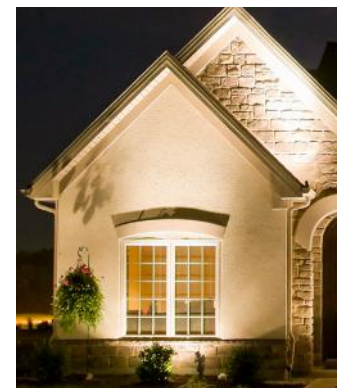
Emits a medium wide beam, used by businesses and homeowners for facade lighting.
Typical 30°

Floodlights feature a wide beam spread with a short light reach. These are generally used where areas require ample lighting. Some examples include exterior house walls, driveways, parking areas, large patios etc.



Wide Flood

Dispersed beam that covers larger areas. Commonly used for facades, signs, and other landscape applications.
Typical 60°

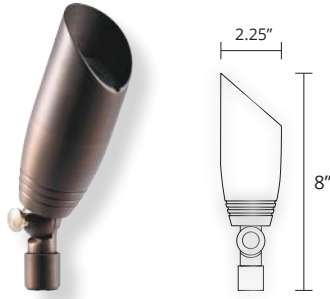


Super Wide Flood

Used in areas that require the widest amount of light. Often found in commercial/residential facades, garages & parking lots.
Typical 120°

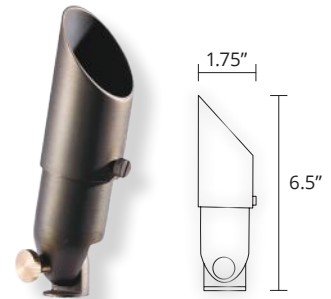
Spot Light Fixtures

Designed to highlight landscape or architectural features like statues, bushes, and more. Using narrow beam patterns, spotlights focus on single objects creating unique lighting visuals.



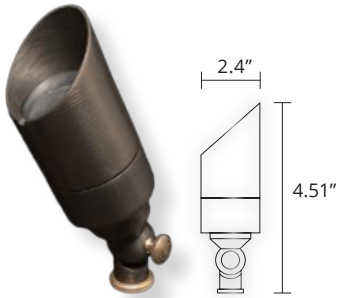
Weathered Brass Spot Light (SPOT-WB)

MR16¹ Weathered Brass Spotlight, PVC Ground Stake with Brass Lock Ring



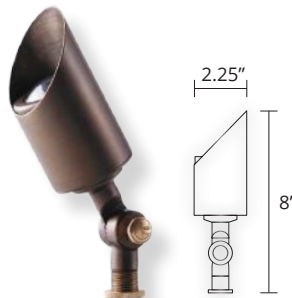
Mini Spot Light (MSPOT-WB)

Cast Brass MR11² Mini-Spot Light Sphere with Orbital Base, PVC Ground Stake with Brass Lock Ring



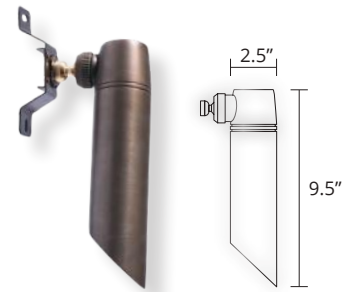
Weather Brass Spot (SPOT-GL)

Weathered Brass MR16¹ Spot with Adjustable Shroud PVC Ground Stake with Brass Lock Ring



Spun Brass Spot Light (SPOT-SB)

MR16¹ Spun Brass Spot Light, PVC Ground Stake with Brass Lock ring



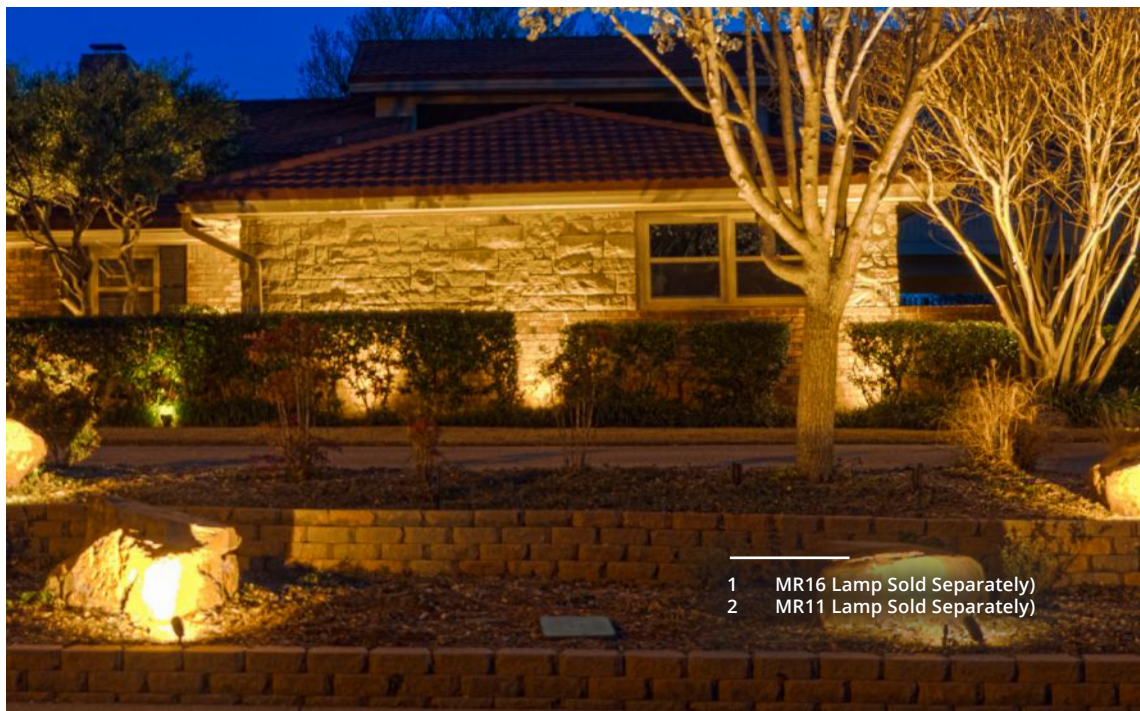
Cast Brass Tree Down Spot (TRSPOT-CB)

MR16¹ Down Spot, Tree Mounting Bracket with Orbital Base



Cast Brass Bullet Spot (SPOT-WBS)

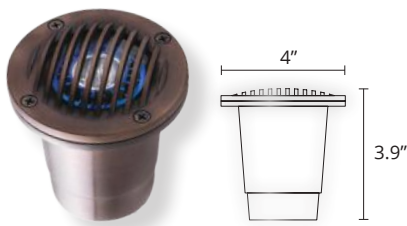
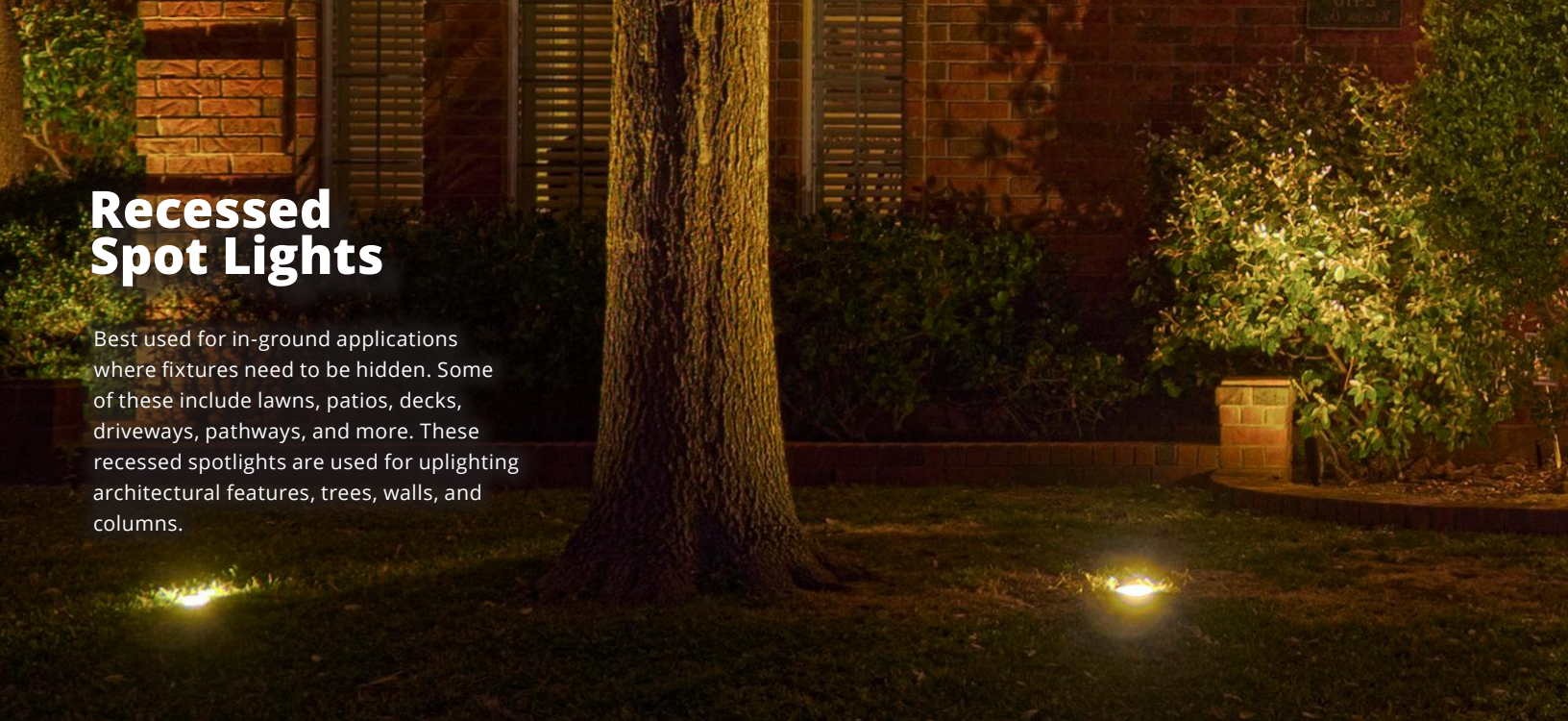
Weathered Brass MR16¹ Spot with Ground Slotted Stake



- 1 MR16 Lamp Sold Separately
- 2 MR11 Lamp Sold Separately

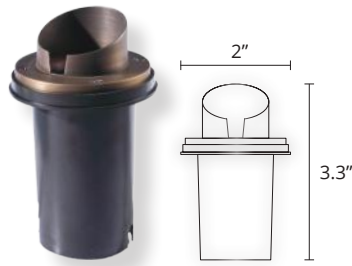
Recessed Spot Lights

Best used for in-ground applications where fixtures need to be hidden. Some of these include lawns, patios, decks, driveways, pathways, and more. These recessed spotlights are used for uplighting architectural features, trees, walls, and columns.



Cast Brass Recessed Spot (RSPOT-CB)

MR16¹ Spot with ABS Sleeve, IP68



Recessed Spot

With Glare Guard (RSPOT-GL)

Recessed MR16¹ Spot Cast Brass with ABS sleeve

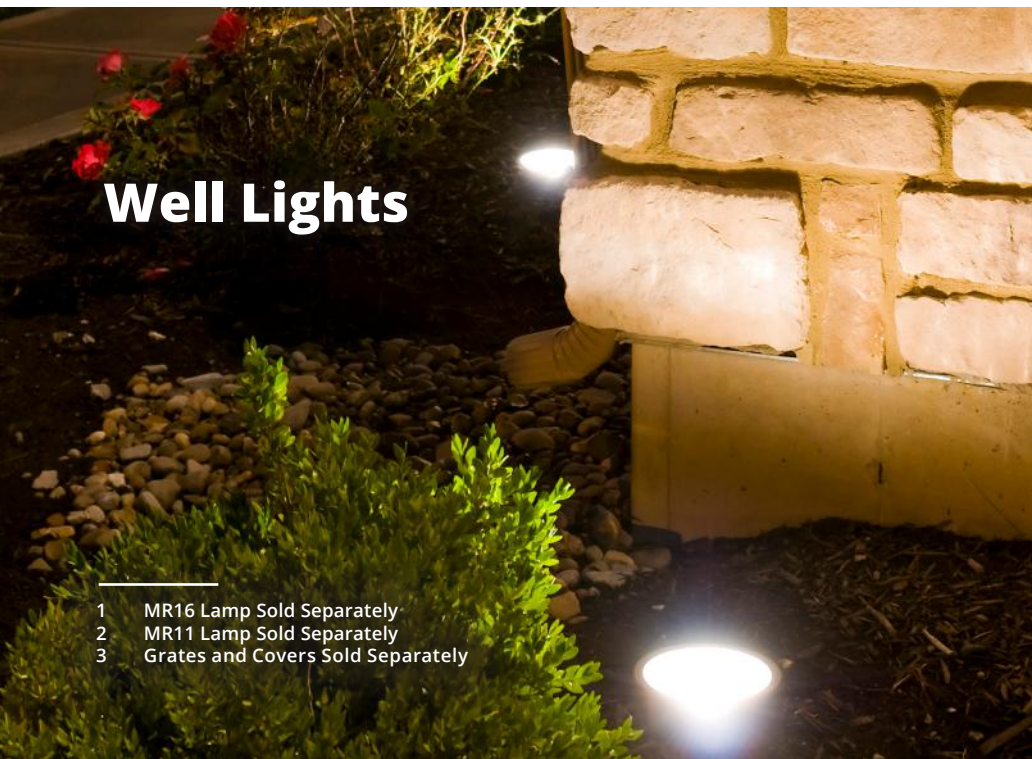


Recessed Brass Spot

With Clear Convex Lens

(RSPOT-150, RSPOT-170, RSPOT-180, RSPOT-360)

Recessed MR16¹ Brass Spot with Convex Clear Lens and 25' Wire Lead



Well Lights



Inground LED Well Light

(WELL-NG)

Black ABS PAR36 Well Light³

LED Gimball Ring

- 1 MR16 Lamp Sold Separately
- 2 MR11 Lamp Sold Separately
- 3 Grates and Covers Sold Separately

Flood Lights

Used for lighting up wider areas like walls, tree canopies and more. With their wider beam spread, floodlights are great fixtures to use for security lighting, wall washing, and more.



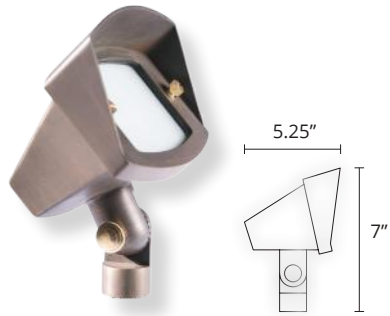
Spun Brass Flood Light

(PARD-SB)
Spun Brass PAR36⁴
Above Ground Flood Light



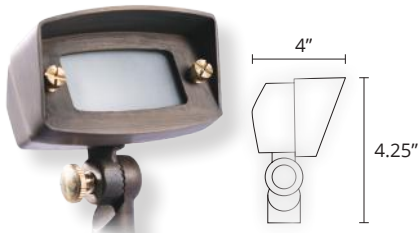
Weathered Brass Flood Light

(PARD-WB)
Weathered Brass PAR36⁴
Above Ground Flood Light



Cast Brass Wash Light

(WASH-WB)
Cast Brass MR16¹ or Bi-Pin⁵ Wash Light
PVC Ground Stake with Brass Lock Ring



Cast Brass Mini Wash Light

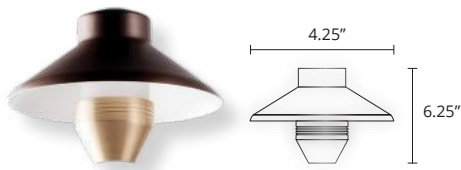
(MWASH-WB)
Cast Brass Mini MR16¹ or Bi-Pin⁵ Wash Light
PVC Ground Stake with Brass Lock Ring



- 1 MR16 Lamp Sold Separately
- 4 PAR36 Lamp Sold Separately
- 5 Bi-Pin Sold Separately

Path Lights

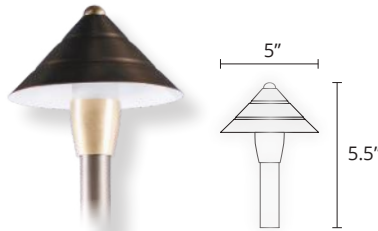
These fixtures are great for lighting up pathways, sidewalks, and gardens. They offer safety lighting, compliment gardens, patios, and more.



6" Brass Path/Area Hat

(D6PTH-HAT)

Weathered Brass Bi-Pin⁵ Path Hat
Variable Mounting Stems⁶ Available



6" Decorative Area Hat

(D6AREA-HAT)

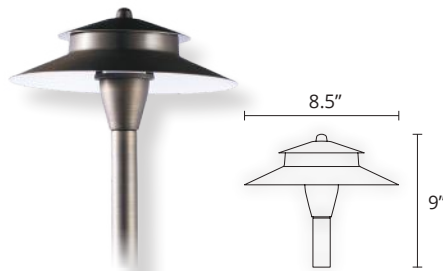
Weathered Brass Bi-Pin⁵ Path Hat
Variable Mounting Stems⁶ Available



7" Path Light Hat

(7PTH-HAT)

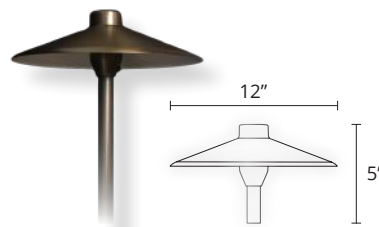
Weathered Brass Bi-Pin⁵ Path Hat
Variable Mounting Stems⁶ Available



8.5" Two-Tiered Area Light

Weathered Brass (8.5AREA-WB)

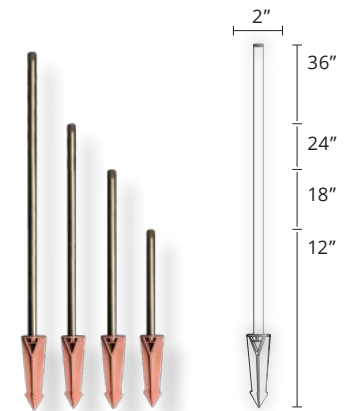
Die-Cast Path Light
18" Stem Included
(Bi-Pin Sold Separately)



12" Area Light Hat

Weathered Brass (12AREA-HAT)

(Bi-Pin Lamp & 12", 18", 24", 36"
Stems Sold Separately)



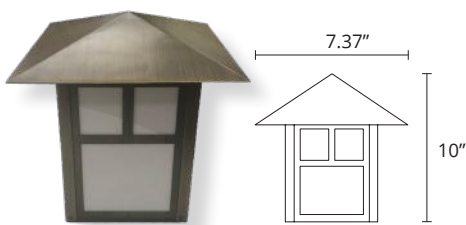
Path Light Stems

(NTDSTEM12, NTDSTEM18,
NTDSTEM 24, NTDSTEM36)

Weathered Brass with
Ground Stake Attached
(Bi-Pin & Hats Sold Separately)

Post & Hanging Fixtures

Used for lighting patios, decks, or other smaller areas. Post lights mount on deck or posts, providing 360 lighting. Hanging lights mount on ceilings & provide downlighting for patios, decks, and other landscape areas.



Aged Brass Post Light WITH FROSTED LENS (POST-100)

Bi-Pin/MR16 Lamp
(MR16 Lamp Sold Separately)



Aged Brass Hanging Light

ADJUSTABLE
(HL-100 *LEFT*, HL-200 *RIGHT*)

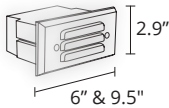
Hanging Light with 18" Chain
(MR16 Lamp Sold Separately,
HL-200 has twinkle cut outs)



- 1 MR16 Lamp Sold Separately
- 4 PAR36 Lamp Sold Separately
- 5 Bi-Pin Sold Separately

Specialty Fixtures

These specialty fixtures add character and light up exterior living spaces. From step lights, to wall sconces, they each provide unique lighting that complement your landscape and exterior living areas.

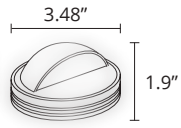


Step Light 5" & 8"

(STEP5/ STEP8)

Weathered Brass

(Bi-Pin Lamp Sold Separately)

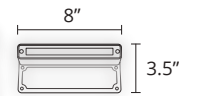


Cast Brass Eyelid

(EYE-WB)

Surface Mount Wall Sconce

(Bi-Pin Lamp Sold Separately)

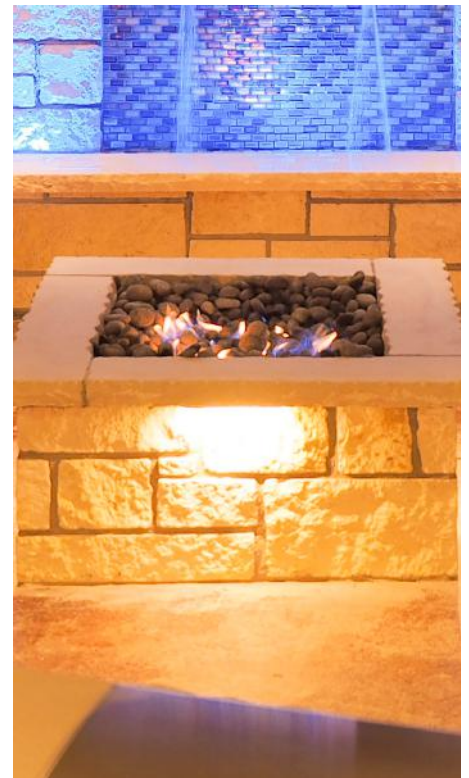


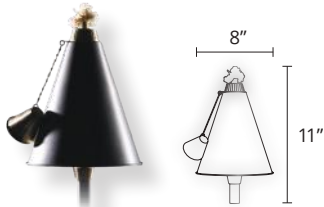
Lip Light

(LIP-WB)

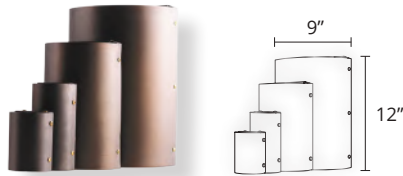
Weathered Brass Lip Light

(Bi-Pin Lamp Sold Separately)

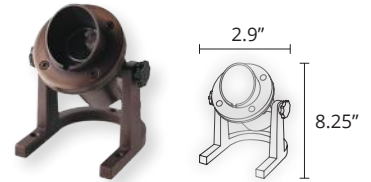




Tiki Torch Hat
(TIKI-CB, TIKI-CB-STEM)
 Weathered & Natural Brass
 Also Functions as an Oil Lamp
 (60" Stem & Bi-Pin Sold Separately)



4/6/9/12" Wall Sconce
(SCN-4, SCN-6, SCN-9, SCN-12)
 Weathered Brass
 Dual Sockets on 6", 9", & 12"
 (Bi-Pin Lamp Sold Separately)



Cast Brass Water Light
(UWLIGHT-CB, UWLIGHT-CB30)
 MR16 Underwater Light 30' Lead



Transformers

Available at different capacities, transformers are designed for simple installation, longevity, reliability, and outstanding performance



60W & 75W 12V Electronic Transformer (60WLEDTRANS, 75WLEDTRANS)

60 & 75 Watt 12V Electronic Transformer



150W 12V Transformer (NTD-150WTRAN)

Stainless Steel, Fully Potted, Insulated, Single Core, Inline Surge Protection



300W 12V Transformer (NTD-300WTRAN)

Stainless Steel, Fully Potted, Insulated, Single Core, Inline Surge Protection



600W 12V Transformer (600WTRAN)

12V, 13V, 14V, and 15V, Stainless Steel



Accessories



Gutter Mount Bracket

GUTTERM

Gutter Mount bracket, Weathered Brass



Surface Mount

SURM-WB

Weathered Brass Surface Mount - 2 hole Bracket - 1/2in Thread



Tree Mounting Bracket

TREEM

Weathered Brass Mounting Bracket for NTD Tree Spot, includes mounting hardware



90 Degree Elbow

ELBOW-90

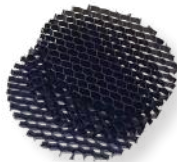
Weathered Brass 90 degree Elbow



Riser

RISER6, RISER12, RISER24 RISER36

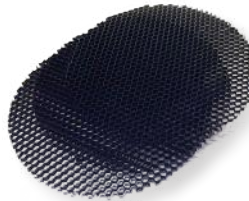
Weathered Brass Riser available in 6", 12", 24", 36"



Honeycomb Insert For MR16 Fixtures

MR16HONEYCOMB-R

Honey Comb Insert for MR16 Fixtures



Honeycomb Insert For PAR36 Fixtures

PAR36HONEYCOMB-R

Honey Comb Insert for PAR36 Fixtures



10/2, 12/2, 14/2 Direct Burial Cable, 250', 500'

12CABLE-250, 12CABLE-500 14CABLE-250, 14CABLE-500

Direct Burial Low Voltage Cable - 250ft or 500ft spool 10 year warranty



Quick Locking Wire Connector 100 PC

NTD-Q-LOC-100

NTD Quick locking Wire Connector, BAG-100



NTD Hub Box with Lid 10 per case

NTDHUB

NTD logo wire connection Hub Box 10 per case



Spikecube Surge Protector 1 Outlet

SPIKECUBE

Tripp Lite 1 Outlet Portable Direct Plug-in Surge Protector/Suppressor 600 Joules



Grease Tube Connector Small PK/50

GTUBE-SM

Lithium grease filled tube for inground connections. Includes copper crimps. 50 per pack

A wooden gazebo with a traditional East Asian architectural style, featuring a multi-tiered roof and a railing. It is illuminated at night with a variety of colorful string lights (red, blue, green, yellow) hanging from the eaves and around the structure. The background shows dark trees and a twilight sky.

Decor Smart – Bluetooth RGB Landscape Lighting

Bluetooth controlled landscape lighting brought to you by Decor Smart. Easy and powerful control of all your landscape lighting products that allow you to control your lights individually or in customized groups. Schedule colors and effects by day or with our patented calendar scheduler. Schedule specific lighting for parties, birthdays, or your favorite sports teams. Transform your home's curb appeal for every season and be the envy of your neighbors and friends. The possibilities are endless.

Our Decor Smart technology is constantly improving. We are continuously looking for ways to use Decor Smart to help you create the outdoor lighting experience you've always dreamed of. Download our Decor Smart App to control, schedule, and change the colors all of your Decor Smart Lights with the push of a button.



CONTROL WITH DECOR SMART APP

The Decor Smart app gives you full control of your Decorsmart bulbs as well as your Permalites® 365 system. The app provides you with the ability to control your lights in many ways. Never worry about turning your system on or off when you use the app to set a timer for your lights. Set them to automatically turn on at sunset and turn off at sunrise.



Decor Smart



EFFECTS

Select the perfect color pattern from a wide range of effects for events that bring your city together!

RGBW SLIDERS

Searching for a specific color to display? The RGBW sliders makes it simple to adjust to the perfect mood!

COLOR PICKER

Check out the built-in Color Picker to select from the millions of colors available!



A UNIVERSE OF PRODUCTS

Exterior Lighting



Landscape Lighting **A**

MR16 lamps have multiple uses not limited to illuminating exterior walls, around the pool, highlighting trees, sconces, and much more! They can be installed in our SPOT-WB or our other fixtures.

Pool Lighting **C**

Bring tranquility and depth to pool and spa environments. (Coming Soon)



Perimeter Lighting **B**

Using the RGB pebble light technology or RGB C9 bulbs to outline the roof you can light up any holiday.



Bistro Lighting **D**

Festive lighting for any occasion that can be hung on gazebos, patios, pergolas, or just about anywhere.

Interior Lighting



Remote Switch **A**

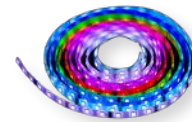
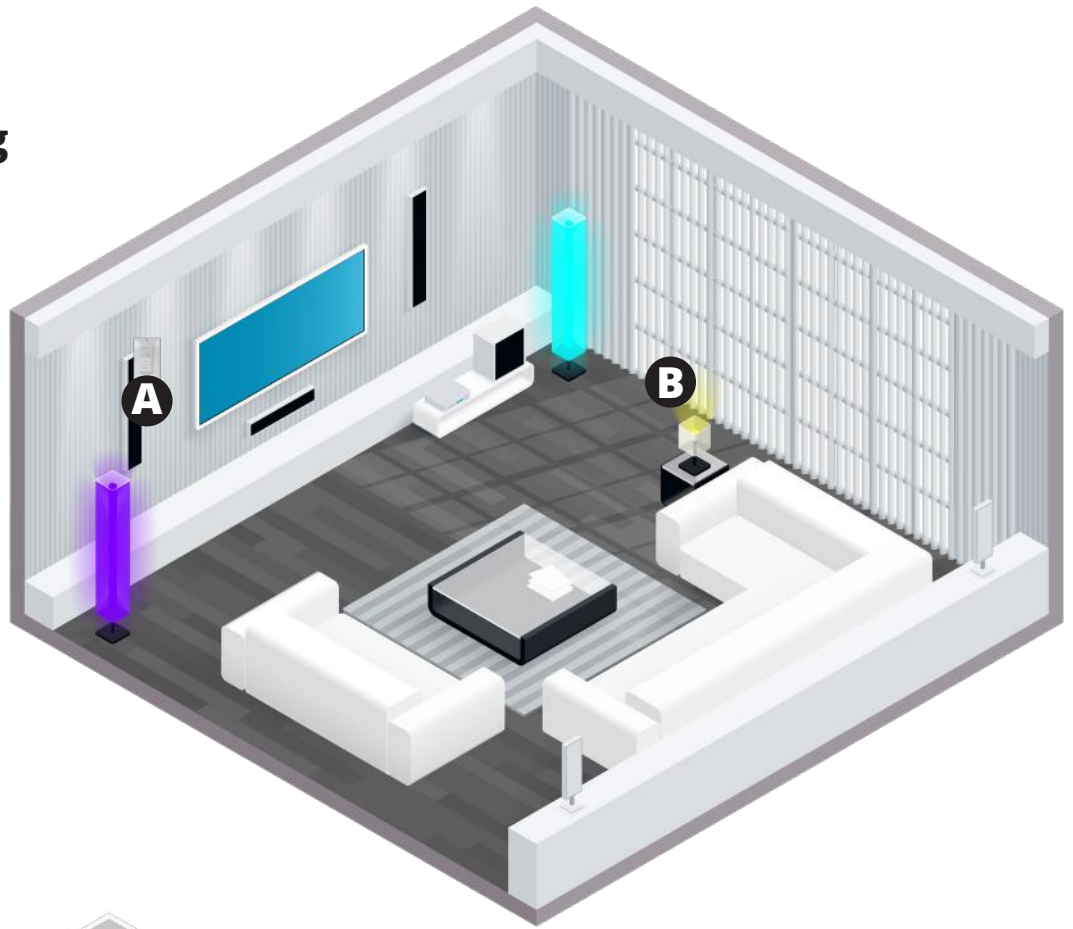
Control lights from the wall or pull the remote out to keep it next to you.



Lamp Lighting **B**

A19 Globe Light

Great for table lamps, floor lamps, and more!



Strip Lighting **C**

Strip lights can be mounted under cabinets, shelves, countertops, or other applications.



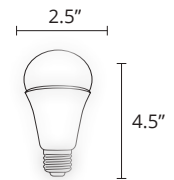
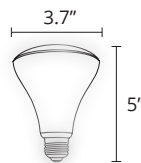
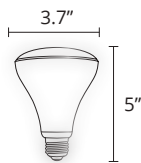
Flood Lighting **D**

BR30

Indoor BR30. Great for ceiling lights. Outdoor BR30 is also available.



RGBW Lamps



RGBW LED Flood Light Bulb INDOOR USE (DS-RGB-BR30IN-A)

BR30 Flood Light Bulb Bluetooth Compatible (Outdoor Bulb Sold Separately)

RGBW LED Flood Light Bulb OUTDOOR/INDOOR USE (DS-RGBBR30OUT-A)

BR30 Flood Light Bulb Bluetooth Compatible (Outdoor Bulb Sold Separately)

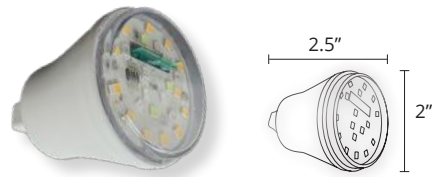
RGBW LED Light Bulb INDOOR USE (DS-RGB-A19-A)

Everyday A19 Replacement Light Bulb Bluetooth Compatible

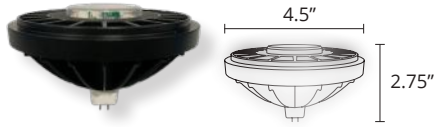




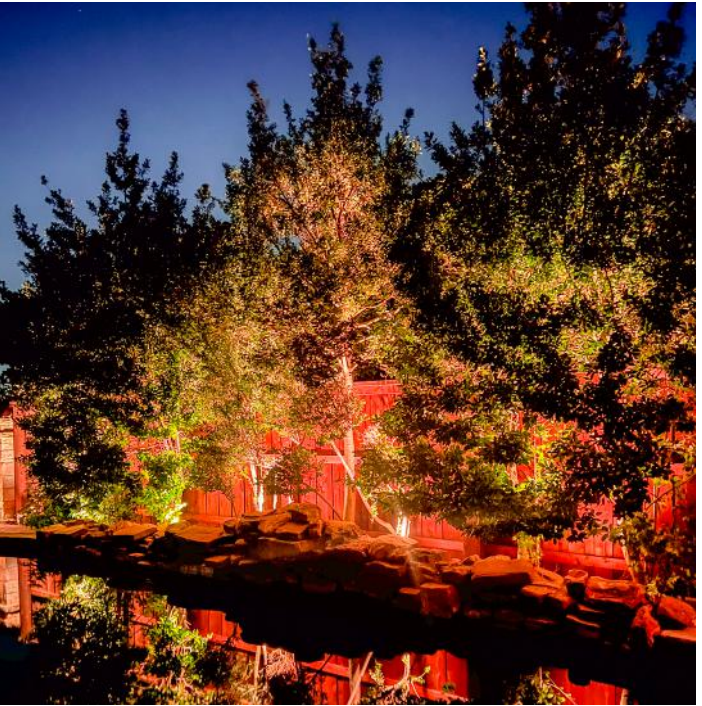
Smart RGBW LED MR16
SMALL
(DS-RGBMR16SMSW-A)
 Bluetooth Compatible



Smart RGBW LED MR16
LARGE
(DS-RGBMR16LG-A)
 Bluetooth Compatible



Smart RGBW LED PAR36
OUTDOOR USE
(DS-RGBPAR36-A)
 Bluetooth Compatible



Demo Kit



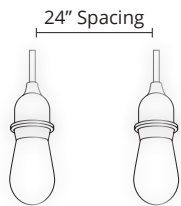
NTD Demo Kit NTD-LIGHTSDEMOKIT-A

Quickly and easily showcase how landscape lighting can transform your customers' property. Immediately reposition lights anywhere or turn them on/off individually with the Decor Smart app.



Bistro Lighting

Bistro lights are a great option for outdoor receptions or night time events. They enhance any outdoor space and are popular options for patio dining and gathering areas.



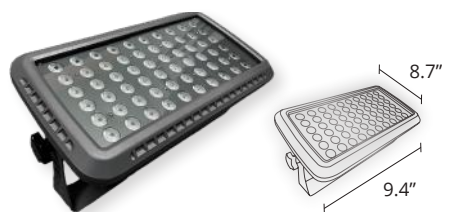
RGB LED Bistro Lights (DS-RGGBISTRO24, DS-RGGBISTRO48)

Suspender Light String with 24\"/>A diagram showing two light bulbs with a 24-inch spacing between them. The spacing is indicated by a horizontal line with arrows at both ends and the text "24\"/>



Wall Washers

As the name suggests, these high lumen output fixtures are used for highlighting commercial building walls, accenting architectural elements and more. RGB options allow you to assign any color combination to create the perfect theme.



RGBW Wash Light
 80W/180W
 (DS-RGBWPAN80W45, DS-RGBWPAN180W45,
 DS-RGBWPAN180W12, DS-RGBWPAN80W12,
 DS-RGBWPAN80W24, DS-RGBWPAN180W24)
 (Each sold separately)



RGBW Wash Light
 72W
 (DS-RGBBAR72W15, DS-RGBBAR72W45,
 DS-RGBBAR72W30)
 (Each sold separately)



RGBW Inground Wash Light
 18W
 (DS-RGBWINGD18W15, DS-RGBWINGD18W30,
 DS-RGBWINGD18W60)
 (Each sold separately)



200W Transformer for Decor Smart/PL Lighting with Spike Cube
 DS-200WTRANS-K

Quickly and easily showcase how landscape lighting can transform your customers' property. Immediately reposition lights anywhere or turn them on/off individually with the Decor Smart app.





Available Accessories



RGB Smart Light Remote
(DS-RGBREMOTE)
Remote for RGB Smart Lights



Smart Socket/Repeater
15A
(DS-SMARTSOCKET)
(Each sold separately)



RGB BT Repeater MT 4Wire
(PL-RGBREP4)
Repeater to use with Decor Smart RGB Products



Wifi/Bluetooth Gateway
CLOUD MANAGEMENT
(DS-GATEWAY)
Bluetooth and Wifi Compatible Gateway for RGB Smart Lights



Digital Astro Timer Controller
18W
(ASTROTIMER-CONTROLLER)
(Each sold separately)



Decor Smart Astro Timer Controller
18W
(DS-ASTROTIMERV2)
(Each sold separately)

M MELISSA
TEXAS





WHAT ARE PERMALITES?

Permalites® 365 are the best way to celebrate your special occasions by creating any color pattern you want! Whether you're celebrating America's Independence or Santa's return for

Christmas, the possibilities are endless! Permalites® 365 offers the opportunity to promote your business by attracting customers with your unique lighting patterns!

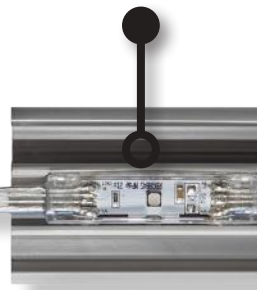
PATENTED TRACK SYSTEM

Permalites® patented track system protects components and hides them from view during the day. The crown moulding style cover is available in several colors that allow this product to blend in with the installation surface.

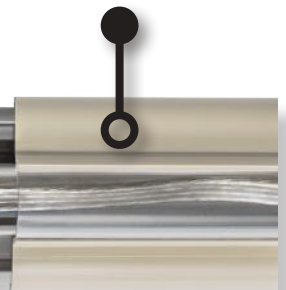
STRIP LIGHT



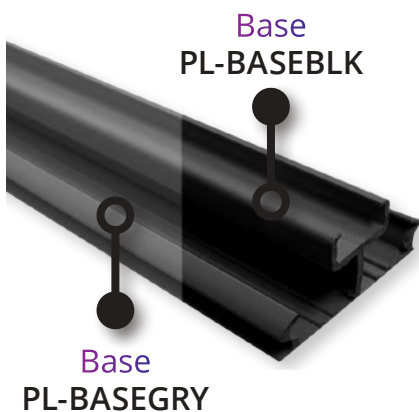
TRACK



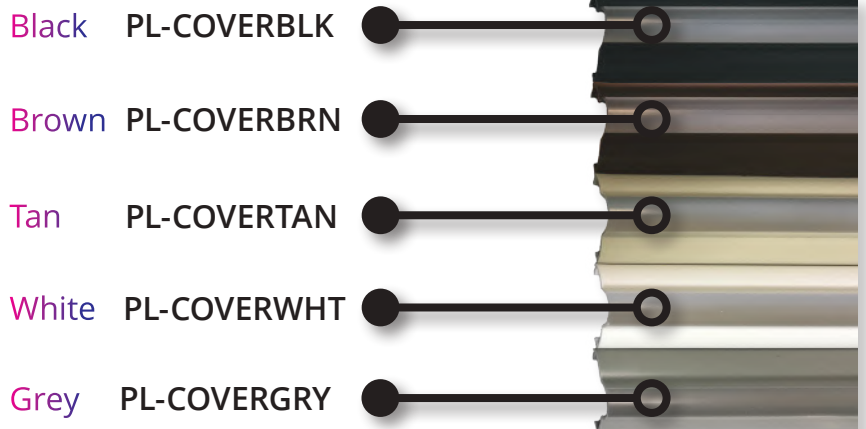
COVER



TRACK COLORS



COVERS/LIDS





PROMOTE YOUR BUSINESS

With a wide selection of features, Permalites® 365 are a great way to promote your business!

CUSTOM EFFECTS



Celebrate every special occasion with Permalites® 365 custom effects and light patterns. The Decor Smart app helps you instantly create any color pattern you want to display on your building.

BRIGHT & EFFICIENT



Permalites® 365 are brighter and longer lasting than any light on the market. Your building will shine the brightest out of everyone around you. Using less than .5 watt per light Permalites® 365 are very efficient at conserving energy.

DURABLE DESIGN



Permalites® 365 are designed to withstand all types of weather environments for years of enjoyment.

HOLIDAY LIGHTING



From Christmas to Halloween, Permalites® 365 has custom presets for every holiday in the year. For those fun nights and special events, easily change the colors of the presets in the Decor Smart app to match the mood you're looking for.

SECURITY LIGHTING



Keep your business and clients safe by having bright lights around your building that deter unwanted visitors. Be comfortable in your environment knowing you have full-sight outside your doors and windows.

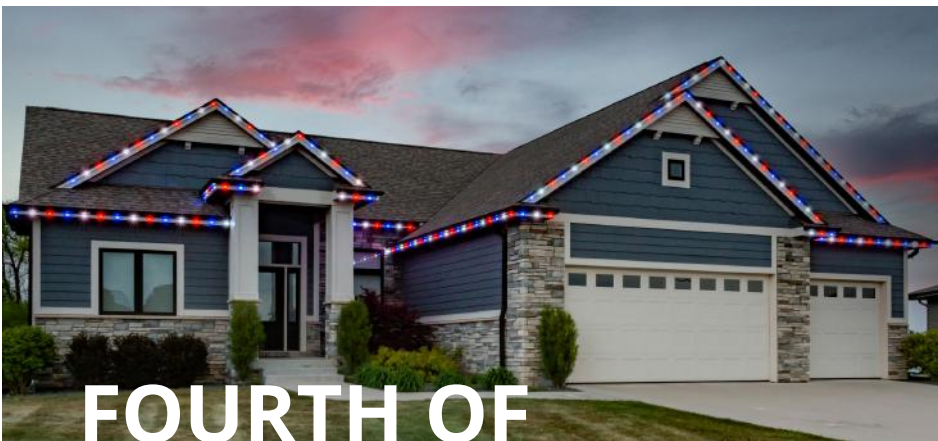
BEST COLOR ACCURACY



Permalites® 365 has access to millions of colors that display every shade of color you can imagine. The possibilities are endless when you use the Decor Smart app to create every color combination you want.



LIGHTING FOR ALL SEASONS



FOURTH OF JULY

HOLIDAY LIGHTING

Your Permalites® 365 are packed with holiday lighting effects such as Christmas, Easter, Independence Day, and more! Now you can show your pride or holiday spirit with a push of a button!



CHRISTMAS SPIRIT



SPOOKY HALLOWEEN



BREAST CANCER AWARENESS

ENDLESS POSSIBILITIES

No matter how you use your new Permalites® 365 system, you will always have a fascinating result. Bring your business or city to life with color and enjoy the wonderful experience of having color changing lights all year long!



SECURITY LIGHTING

New Products

Our new products include updated hardware and new features



12VAC/DC Controller with Dimmer (DS-12V-CONTDIM)

New decorsmart controller with dimmer
120 watts output



PWM Signal Controller (DS-RGBWPWMCONT)

PWM Signal Controller
RGG Flood & Wash Lights



MT Bluetooth Repeater (PL-RGBREP4)

Bluetooth repeater with 3 connections
PL, RGB+, Power Supply



4 Wire Controller (PL-DIGCONT2P)

2 Output MT 4 Wire Controller



Smart T-Way (DS-RGBWSMARTT)

Smart T-way for individual wall wash control



Photometrics Charts

Photometrics gauges how humans perceive light-its coverage area, i.e., where light cuts off, where its lost and the intensity of light in relation to distance from the light source. In practical terms, photometrics shows whether a lighting plan meets the quantitative lighting requirements for a project.

MR 11 2.5W

MR11 2.5W 2700K 24° 2.5W CANDLEPOWER: 167.65		
Distance	Foot	Candles
2ft	11"	1461.79
4ft	1'10"	365.45
6ft	2'9"	162.42
8ft	3'8"	91.36
10ft	4'7"	58.47
15ft	6'11"	25.99
20ft	9'2"	14.62
30ft	13'10"	6.50
40ft	18'5"	3.65
50ft	23"	2.34

MR11 2.5W 2700K 38° 2.5W CANDLEPOWER:167.66		
Distance	Foot	Candles
2ft	1'5"	824.87
4ft	2'11"	206.22
6ft	4'5"	91.65
8ft	5'10"	51.55
10ft	7'4"	32.99
15ft	10'11"	14.66
20ft	14'7"	8.25
30ft	21'11"	3.67
40ft	29'2"	2.06
50ft	36'6"	1.32

MR11 2.5W 2700K 60° 2.5W CANDLEPOWER: 159.983		
Distance	Foot	Candles
2ft	2'4"	407.10
4ft	4'8"	101.78
6ft	7'	45.23
8ft	9'4"	25.44
10ft	11'8"	16.28
15ft	17'6"	7.24
20ft	23'5"	4.07
30ft	35'1"	1.81
40ft	46'9"	1.02
50ft	58'6"	0.65

MR11 2.5W 2700K 120° 2.5W CANDLEPOWER: 124.904		
Distance	Foot	Candles
2ft	5'5"	121.85
4ft	10'10"	30.46
6ft	16'3"	13.54
8ft	21'8"	7.62
10ft	27'1"	4.87
15ft	40'7"	2.17
20ft	54'2"	1.22
30ft	81'3"	0.54
40ft	108'4"	0.30
50ft	135'5"	0.19

MR11 2.5W 3000K 24° 2.5W CANDLEPOWER: 175.50		
Distance	Foot	Candles
2ft	11"	1530.23
4ft	1'10"	382.56
6ft	2'9"	170.03
8ft	3'8"	95.64
10ft	4'7"	61.21
15ft	6'11"	27.20
20ft	9'2"	15.30
30ft	13'10"	6.80
40ft	18'5"	3.83
50ft	23"	2.45

MR11 2.5W 3000K 38° 2.5W CANDLEPOWER:170.52		
Distance	Foot	Candles
2ft	1'5"	838.97
4ft	2'11"	209.74
6ft	4'5"	93.22
8ft	5'10"	52.44
10ft	7'4"	33.56
15ft	10'11"	14.91
20ft	14'7"	8.39
30ft	21'11"	3.73
40ft	29'2"	2.10
50ft	36'6"	1.34

MR11 2.5W 3000K 60° 2.5W CANDLEPOWER: 169.3		
Distance	Foot	Candles
2ft	2'4"	430.79
4ft	4'8"	107.70
6ft	7'	47.87
8ft	9'4"	26.92
10ft	11'8"	17.23
15ft	17'6"	7.66
20ft	23'5"	4.31
30ft	35'1"	1.91
40ft	46'9"	1.08
50ft	58'6"	0.69

MR11 2.5W 3000K 120° 2.5W CANDLEPOWER: 138.404		
Distance	Foot	Candles
2ft	5'5"	134.98
4ft	10'10"	33.75
6ft	16'3"	15.00
8ft	21'8"	8.44
10ft	27'1"	5.40
15ft	40'7"	2.40
20ft	54'2"	1.35
30ft	81'3"	0.60
40ft	108'4"	0.34
50ft	135'5"	0.22

MR11 2.5W 5000K 24° 2.5W CANDLEPOWER:195.52		
Distance	Foot	Candles
2ft	11"	1704.81
4ft	1'10"	426.20
6ft	2'9"	189.42
8ft	3'8"	106.55
10ft	4'7"	68.19
15ft	6'11"	30.31
20ft	9'2"	17.05
30ft	13'10"	7.58
40ft	18'5"	4.26
50ft	23"	2.73

MR11 2.5W 5000K 38° 2.5W CANDLEPOWER:189.13		
Distance	Foot	Candles
2ft	1'5"	930.57
4ft	2'11"	232.64
6ft	4'5"	103.40
8ft	5'10"	58.16
10ft	7'4"	37.22
15ft	10'11"	16.54
20ft	14'7"	9.31
30ft	21'11"	4.14
40ft	29'2"	2.33
50ft	36'6"	1.49

MR11 2.5W 5000K 60° 2.5W CANDLEPOWER:180.9		
Distance	Foot	Candles
2ft	2'4"	460.28
4ft	4'8"	115.07
6ft	7'	51.14
8ft	9'4"	28.77
10ft	11'8"	18.41
15ft	17'6"	8.18
20ft	23'5"	4.60
30ft	35'1"	2.05
40ft	46'9"	1.15
50ft	58'6"	0.74

MR11 2.5W 5000K 120° 2.5W CANDLEPOWER:155.5		
Distance	Foot	Candles
2ft	5'5"	151.67
4ft	10'10"	37.92
6ft	16'3"	16.85
8ft	21'8"	9.48
10ft	27'1"	6.07
15ft	40'7"	2.70
20ft	54'2"	1.52
30ft	81'3"	0.67
40ft	108'4"	0.38
50ft	135'5"	0.24

MR 16 4W

MR16 4W 2700K 15° 4W CANDLEPOWER:323.96		
Distance	Foot	Candles
2ft	9"	2807.32
4ft	1'6"	701.83
6ft	2'3"	311.92
8ft	2'12"	175.46
10ft	3'9"	112.29
15ft	5'7"	49.91
20ft	7'6"	28.07
30ft	11'1"	12.48
40ft	14'11"	7.02
50ft	18'8"	4.49

MR16 4W 2700K 30° 4W CANDLEPOWER: 359.18		
Distance	Foot	Candles
2ft	1'1"	2508.07
4ft	2'3"	627.02
6ft	3'5"	278.67
8ft	4'7"	156.75
10ft	5'8"	100.32
15ft	8'6"	44.59
20ft	11'5"	25.08
30ft	17'1"	11.15
40ft	22'9"	6.27
50ft	28'6"	4.01

MR16 4W 2700K 45° 4W CANDLEPOWER: 363.783		
Distance	Foot	Candles
2ft	1'6"	1574.81
4ft	3'1"	393.70
6ft	4'7"	174.98
8ft	6'1"	98.43
10ft	7'7"	62.99
15ft	11'4"	28.00
20ft	15'2"	15.75
30ft	22'9"	7.00
40ft	30'3"	3.94
50ft	37'10"	2.52

MR16 4W 2700K 60° 4W CANDLEPOWER: 370.76		
Distance	Foot	Candles
2ft	2'3"	908.18
4ft	4'6"	227.05
6ft	6'10"	100.91
8ft	9'1"	56.76
10ft	11'4"	36.33
15ft	17'1"	16.15
20ft	22'8"	9.08
30ft	34'1"	4.04
40ft	45'5"	2.27
50ft	56'9"	1.45

MR16 4W 2700K 100° 4W CANDLEPOWER: 312.84		
Distance	Foot	Candles
2ft	4'9"	313.78
4ft	9'5"	78.44
6ft	14'2"	34.86
8ft	18'11"	19.61
10ft	23'7"	12.55
15ft	35'5"	5.58
20ft	47'3"	3.14
30ft	70'10"	1.39
40ft	94'5"	0.78
50ft	118'1"	0.50

MR16 4W 3000K 15° 4W CANDLEPOWER:345.95		
Distance	Foot	Candles
2ft	9"	2997.85
4ft	1'6"	749.46
6ft	2'3"	333.09
8ft	2'12"	187.37
10ft	3'9"	119.91
15ft	5'7"	53.30
20ft	7'6"	29.98
30ft	11'1"	13.32
40ft	14'11"	7.49
50ft	18'8"	4.80

MR16 4W 3000K 30° 4W CANDLEPOWER: 361.32		
Distance	Foot	Candles
2ft	1'1"	2523.04
4ft	2'3"	630.76
6ft	3'5"	280.34
8ft	4'7"	157.69
10ft	5'8"	100.92
15ft	8'6"	44.85
20ft	11'5"	25.23
30ft	17'1"	11.21
40ft	22'9"	6.31
50ft	28'6"	4.04

MR16 4W 3000K 45° 4W CANDLEPOWER: 382.10		
Distance	Foot	Candles
2ft	1'6"	1669.54
4ft	3'1"	417.38
6ft	4'7"	185.50
8ft	6'1"	104.35
10ft	7'7"	66.78
15ft	11'4"	29.68
20ft	15'2"	16.70
30ft	22'9"	7.42
40ft	30'3"	4.17
50ft	37'10"	2.67

MR16 4W 3000K 60° 4W CANDLEPOWER: 390.67		
Distance	Foot	Candles
2ft	2'3"	956.94
4ft	4'6"	239.24
6ft	6'10"	106.33
8ft	9'1"	59.81
10ft	11'4"	38.28
15ft	17'1"	17.01
20ft	22'8"	9.57
30ft	34'1"	4.25
40ft	45'5"	2.39
50ft	56'9"	1.53

MR16 4W 2700K 100° 4W CANDLEPOWER: 330.56		
Distance	Foot	Candles
2ft	4'9"	331.54
4ft	9'5"	82.88
6ft	14'2"	36.84
8ft	18'11"	20.72
10ft	23'7"	13.26
15ft	35'5"	5.89
20ft	47'3"	3.32
30ft	70'10"	1.47
40ft	94'5"	0.83
50ft	118'1"	0.53

MR16 4W 5000K 15° 4W CANDLEPOWER:385.12		
Distance	Foot	Candles
2ft	9"	3337.24
4ft	1'6"	834.31
6ft	2'3"	370.80
8ft	2'12"	208.58
10ft	3'9"	133.49
15ft	5'7"	59.33
20ft	7'6"	33.37
30ft	11'1"	14.83
40ft	14'11"	8.34
50ft	18'8"	5.34

MR16 4W 5000K 30° 4W CANDLEPOWER: 379.10		
Distance	Foot	Candles
2ft	1'1"	2647.15
4ft	2'3"	661.79
6ft	3'5"	294.13
8ft	4'7"	165.45
10ft	5'8"	105.89
15ft	8'6"	47.06
20ft	11'5"	26.47
30ft	17'1"	11.77
40ft	22'9"	6.62
50ft	28'6"	4.24

MR16 4W 5000K 45° 4W CANDLEPOWER: 400.21		
Distance	Foot	Candles
2ft	1'6"	1748.65
4ft	3'1"	437.16
6ft	4'7"	194.29
8ft	6'1"	109.29
10ft	7'7"	69.95
15ft	11'4"	31.09
20ft	15'2"	17.49
30ft	22'9"	7.77
40ft	30'3"	4.37
50ft	37'10"	2.80

MR16 4W 5000K 60° 4W CANDLEPOWER: 410.93		
Distance	Foot	Candles
2ft	2'3"	1006.57
4ft	4'6"	251.64
6ft	6'10"	111.84
8ft	9'1"	62.91
10ft	11'4"	40.26
15ft	17'1"	17.89
20ft	22'8"	10.07
30ft	34'1"	4.47
40ft	45'5"	2.52
50ft	56'9"	1.61

MR16 4W 5000K 100° 4W CANDLEPOWER: 340.161		
Distance	Foot	Candles
2ft	4'9"	341.23
4ft	9'5"	85.31
6ft	14'2"	37.91
8ft	18'11"	21.33
10ft	23'7"	13.65
15ft	35'5"	6.07
20ft	47'3"	3.41
30ft	70'10"	1.52
40ft	94'5"	0.85
50ft	118'1"	0.55

MR 16 5W

MR16 2700K 15° 5W CANDLEPOWER: 525.78		
Distance	Foot	Candles
2ft	9"	9483.21
4ft	1'5"	2370.80
6ft	2'3"	1053.69
8ft	2'11"	592.70
10ft	3'8"	379.33
15ft	5'6"	168.59
20ft	7'4"	94.83
30ft	11'	42.15
40ft	14'8"	23.71
50ft	18'5"	15.17

MR16 2700K 30° 5W CANDLEPOWER: 478.995		
Distance	Foot	Candles
2ft	11"	4128.12
4ft	1'10"	1032.03
6ft	2'10"	458.68
8ft	3'9"	258.01
10ft	4'8"	165.12
15ft	7'1"	73.39
20ft	9'5"	41.28
30ft	14'2"	18.35
40ft	18'10"	10.32
50ft	23'7"	6.60

MR16 2700K 45° 5W CANDLEPOWER: 439.56		
Distance	Foot	Candles
2ft	1'4"	2839.61
4ft	2'8"	709.90
6ft	3'11"	315.51
8ft	5'3"	177.48
10ft	6'7"	113.58
15ft	9'10"	50.48
20ft	13'2"	28.40
30ft	19'8"	12.62
40ft	26'3"	7.10
50ft	32'10"	4.54

MR16 2700K 60° 5W CANDLEPOWER: 466.734		
Distance	Foot	Candles
2ft	2'1"	1409.90
4ft	4'2"	352.48
6ft	6'3"	156.66
8ft	8'4"	88.12
10ft	10'5"	56.40
15ft	15'7"	25.06
20ft	20'9"	14.10
30ft	31'2"	6.27
40ft	41'7"	3.52
50ft	51'11"	2.26

MR16 2700K 120° 5W CANDLEPOWER: 375.89		
Distance	Foot	Candles
2ft	5'8"	321.64
4ft	11'5"	80.41
6ft	17'2"	35.74
8ft	22'10"	20.10
10ft	28'7"	12.87
15ft	42'10"	5.72
20ft	57'2"	3.22
30ft	85'8"	1.43
40ft	114'4"	0.80
50ft	142'9"	0.51

MR16 3000K 15° 5W CANDLEPOWER: 535.23		
Distance	Foot	Candles
2ft	9"	9653.61
4ft	1'5"	2413.40
6ft	2'3"	1072.62
8ft	2'11"	603.35
10ft	3'8"	386.14
15ft	5'6"	171.62
20ft	7'4"	96.54
30ft	11'	42.90
40ft	14'8"	24.13
50ft	18'5"	15.45

MR16 3000K 30° 5W CANDLEPOWER: 490.5		
Distance	Foot	Candles
2ft	11"	4227.23
4ft	1'10"	1056.81
6ft	2'10"	469.69
8ft	3'9"	264.20
10ft	4'8"	169.09
15ft	7'1"	75.15
20ft	9'5"	42.27
30ft	14'2"	18.79
40ft	18'10"	10.57
50ft	23'7"	6.76

MR16 3000K 45° 5W CANDLEPOWER: 452.63		
Distance	Foot	Candles
2ft	1'4"	2924.00
4ft	2'8"	731.00
6ft	3'11"	324.89
8ft	5'3"	182.75
10ft	6'7"	116.96
15ft	9'10"	51.98
20ft	13'2"	29.24
30ft	19'8"	13.00
40ft	26'3"	7.31
50ft	32'10"	4.68

MR16 3000K 60° 5W CANDLEPOWER: 489.125		
Distance	Foot	Candles
2ft	2'1"	1477.50
4ft	4'2"	369.38
6ft	6'3"	164.17
8ft	8'4"	92.34
10ft	10'5"	59.10
15ft	15'7"	26.27
20ft	20'9"	14.78
30ft	31'2"	6.57
40ft	41'7"	3.69
50ft	51'11"	2.36

MR16 3000K 120° 5W CANDLEPOWER: 389.55		
Distance	Foot	Candles
2ft	5'8"	324.22
4ft	11'5"	81.05
6ft	17'2"	36.02
8ft	22'10"	20.26
10ft	28'7"	12.97
15ft	42'10"	5.76
20ft	57'2"	3.24
30ft	85'8"	1.44
40ft	114'4"	0.81
50ft	142'9"	0.52

MR16 5000K 15° 5W CANDLEPOWER: 540.51		
Distance	Foot	Candles
2ft	9"	9748.87
4ft	1'5"	2437.22
6ft	2'3"	1083.21
8ft	2'11"	609.30
10ft	3'8"	389.95
15ft	5'6"	173.31
20ft	7'4"	97.49
30ft	11'	43.33
40ft	14'8"	24.37
50ft	18'5"	15.60

MR16 5000K 30° 5W CANDLEPOWER: 530.415		
Distance	Foot	Candles
2ft	11"	4571.26
4ft	1'10"	1142.81
6ft	2'10"	507.92
8ft	3'9"	285.70
10ft	4'8"	182.85
15ft	7'1"	81.27
20ft	9'5"	45.71
30ft	14'2"	20.32
40ft	18'10"	11.43
50ft	23'7"	7.31

MR16 5000K 45° 5W CANDLEPOWER: 470.78		
Distance	Foot	Candles
2ft	1'4"	3041.23
4ft	2'8"	760.31
6ft	3'11"	337.91
8ft	5'3"	190.08
10ft	6'7"	121.65
15ft	9'10"	54.07
20ft	13'2"	30.41
30ft	19'8"	13.52
40ft	26'3"	7.60
50ft	32'10"	4.87

MR16 5000K 60° 5W CANDLEPOWER: 506.312		
Distance	Foot	Candles
2ft	2'1"	1529.39
4ft	4'2"	382.35
6ft	6'3"	169.93
8ft	8'4"	95.59
10ft	10'5"	61.18
15ft	15'7"	27.19
20ft	20'9"	15.29
30ft	31'2"	6.80
40ft	41'7"	3.82
50ft	51'11"	2.45

MR16 5000K 120° 5W CANDLEPOWER: 400.5		
Distance	Foot	Candles
2ft	5'8"	341.55
4ft	11'5"	85.39
6ft	17'2"	37.95
8ft	22'10"	21.35
10ft	28'7"	13.66
15ft	42'10"	6.07
20ft	57'2"	3.42
30ft	85'8"	1.52
40ft	114'4"	0.85
50ft	142'9"	0.55

MR 16 7W

MR16 7W 2700K 15° CANDLEPOWER: 682.21		
Distance	Foot	Candles
2ft	8"	8799.79
4ft	1'5"	2199.95
6ft	2'1"	977.75
8ft	2'10"	549.99
10ft	3'16"	351.99
15ft	5'4"	156.44
20ft	7'1"	88.00
30ft	10'7"	39.11
40ft	14'2"	22.00
50ft	17'8"	14.08

MR16 7W 2700K 30° CANDLEPOWER: 627.822		
Distance	Foot	Candles
2ft	1'5"	4744.89
4ft	2'1"	1186.22
6ft	3'2"	527.21
8ft	4'2"	296.56
10ft	5'2"	189.80
15ft	7'10"	84.35
20ft	10'1"	47.45
30ft	15'8"	21.09
40ft	20'10"	11.86
50ft	26'1"	7.59

MR16 7W 2700K 45° CANDLEPOWER: 610.985		
Distance	Foot	Candles
2ft	1'8"	2673.09
4ft	3'4"	668.27
6ft	4'12"	297.01
8ft	6'8"	167.07
10ft	8'4"	106.92
15ft	12'6"	47.52
20ft	16'8"	26.73
30ft	24'12"	11.88
40ft	33'4"	6.68
50ft	41'8"	4.28

MR16 7W 2700K 60° CANDLEPOWER: 609.417		
Distance	Foot	Candles
2ft	2'4"	1487.30
4ft	4'7"	371.82
6ft	6'11"	165.26
8ft	9'3"	92.96
10ft	11'6"	59.49
15ft	17'3"	26.44
20ft	23'	14.87
30ft	34'7"	6.61
40ft	46'1"	3.72
50ft	57'7"	2.38

MR16 7W 2700K 120° CANDLEPOWER: 399.2		
Distance	Foot	Candles
2ft	5'10"	340.47
4ft	11'7"	85.12
6ft	17'5"	37.83
8ft	23'4"	21.28
10ft	29'1"	13.62
15ft	43'8"	6.05
20ft	58'2"	3.40
30ft	87'4"	1.51
40ft	116'5"	0.85
50ft	145'6"	0.54

MR16 7W 3000K 15° CANDLEPOWER: 695.523		
Distance	Foot	Candles
2ft	8"	8971.91
4ft	1'5"	2242.98
6ft	2'1"	996.88
8ft	2'10"	560.74
10ft	3'16"	358.88
15ft	5'4"	159.50
20ft	7'1"	89.72
30ft	10'7"	39.88
40ft	14'2"	22.43
50ft	17'8"	14.36

MR16 7W 3000K 30° CANDLEPOWER: 647.856		
Distance	Foot	Candles
2ft	1'5"	4825.83
4ft	2'1"	1206.46
6ft	3'2"	536.20
8ft	4'2"	301.61
10ft	5'2"	193.03
15ft	7'10"	85.79
20ft	10'1"	48.26
30ft	15'8"	21.45
40ft	20'10"	12.06
50ft	26'1"	7.72

MR16 7W 3000K 45° CANDLEPOWER: 625.655		
Distance	Foot	Candles
2ft	1'8"	2765.34
4ft	3'4"	691.33
6ft	4'12"	307.26
8ft	6'8"	172.83
10ft	8'4"	110.61
15ft	12'6"	49.16
20ft	16'8"	27.65
30ft	24'12"	12.29
40ft	33'4"	6.91
50ft	41'8"	4.42

MR16 7W 3000K 60° CANDLEPOWER: 620.899		
Distance	Foot	Candles
2ft	2'4"	1515.29
4ft	4'7"	378.82
6ft	6'11"	168.37
8ft	9'3"	94.71
10ft	11'6"	60.61
15ft	17'3"	26.94
20ft	23'	15.15
30ft	34'7"	6.73
40ft	46'1"	3.79
50ft	57'7"	2.42

MR16 7W 3000K 120° CANDLEPOWER: 410.89		
Distance	Foot	Candles
2ft	5'10"	350.48
4ft	11'7"	87.62
6ft	17'5"	38.94
8ft	23'4"	21.91
10ft	29'1"	14.02
15ft	43'8"	6.23
20ft	58'2"	3.50
30ft	87'4"	1.56
40ft	116'5"	0.88
50ft	145'6"	0.56

MR16 7W 5000K 15° CANDLEPOWER: 700.891		
Distance	Foot	Candles
2ft	8"	9041.12
4ft	1'5"	2260.28
6ft	2'1"	1004.57
8ft	2'10"	565.07
10ft	3'16"	361.64
15ft	5'4"	160.73
20ft	7'1"	90.41
30ft	10'7"	40.18
40ft	14'2"	22.60
50ft	17'8"	14.47

MR16 7W 5000K 30° CANDLEPOWER: 669.765		
Distance	Foot	Candles
2ft	1'5"	4910.98
4ft	2'1"	1227.74
6ft	3'2"	545.66
8ft	4'2"	306.94
10ft	5'2"	196.44
15ft	7'10"	87.31
20ft	10'1"	49.11
30ft	15'8"	21.83
40ft	20'10"	12.28
50ft	26'1"	7.86

MR16 7W 5000K 45° CANDLEPOWER: 650.325		
Distance	Foot	Candles
2ft	1'8"	2874.38
4ft	3'4"	718.60
6ft	4'12"	319.38
8ft	6'8"	179.65
10ft	8'4"	114.98
15ft	12'6"	51.10
20ft	16'8"	28.74
30ft	24'12"	12.78
40ft	33'4"	7.19
50ft	41'8"	4.60

MR16 7W 5000K 60° CANDLEPOWER: 640.763		
Distance	Foot	Candles
2ft	2'4"	1563.72
4ft	4'7"	390.93
6ft	6'11"	173.75
8ft	9'3"	97.73
10ft	11'6"	62.55
15ft	17'3"	27.80
20ft	23'	15.64
30ft	34'7"	6.95
40ft	46'1"	3.91
50ft	57'7"	2.50

MR16 7W 5000K 120° CANDLEPOWER: 420.5		
Distance	Foot	Candles
2ft	5'10"	358.67
4ft	11'7"	89.67
6ft	17'5"	39.85
8ft	23'4"	22.42
10ft	29'1"	14.35
15ft	43'8"	6.38
20ft	58'2"	3.59
30ft	87'4"	1.59
40ft	116'5"	0.90
50ft	145'6"	0.57

PAR 36 6W

PAR36 6W 2700K 15° CANDLEPOWER: 536.774		
Distance	Foot	Candles
2ft	7"	9679.23
4ft	1'2"	2419.81
6ft	1'9"	1075.47
8ft	2'4"	604.95
10ft	2'11"	387.17
15ft	4'4"	172.08
20ft	5'10"	96.79
30ft	8'9"	43.02
40ft	11'8"	24.20
50ft	14'7"	15.49

PAR36 6W 2700K 24° CANDLEPOWER: 622.86		
Distance	Foot	Candles
2ft	9"	6558.67
4ft	1'7"	1639.67
6ft	2'5"	728.74
8ft	3'3"	409.92
10ft	4'1"	262.35
15ft	6'1"	116.60
20ft	8'8"	65.59
30ft	12'1"	29.15
40ft	16'2"	16.40
50ft	20'2"	10.49

PAR36 6W 2700K 38° CANDLEPOWER: 594.95		
Distance	Foot	Candles
2ft	1'4"	3534.98
4ft	2'7"	883.75
6ft	3'11"	392.78
8ft	5'3"	220.94
10ft	6'6"	141.40
15ft	9'9"	62.84
20ft	13'1"	35.35
30ft	19'17"	15.71
40ft	26'1"	8.84
50ft	32'7"	5.66

PAR36 6W 2700K 60° CANDLEPOWER: 532.653		
Distance	Foot	Candles
2ft	1'11"	1623.14
4ft	3'11"	405.79
6ft	5'10"	180.35
8ft	7'10"	101.45
10ft	9'9"	64.93
15ft	14'8"	28.86
20ft	19'7"	16.23
30ft	29'4"	7.21
40ft	39'1"	4.06
50ft	48'11"	2.60

PAR36 6W 2700K 120° CANDLEPOWER: 378.661		
Distance	Foot	Candles
2ft	6'8"	321.31
4ft	13'5"	80.33
6ft	20'1"	35.70
8ft	26'9"	20.08
10ft	33'6"	12.85
15ft	50'3"	5.71
20ft	66'1"	3.21
30ft	100'5"	1.43
40ft	133'11"	0.80
50ft	167'5"	0.51

PAR36 6W 3000K 15° CANDLEPOWER: 545.75		
Distance	Foot	Candles
2ft	7"	9841.12
4ft	1'2"	2460.28
6ft	1'9"	1093.46
8ft	2'4"	615.07
10ft	2'11"	393.64
15ft	4'4"	174.95
20ft	5'10"	98.41
30ft	8'9"	43.74
40ft	11'8"	24.60
50ft	14'7"	15.75

PAR36 6W 3000K 24° CANDLEPOWER: 640.85		
Distance	Foot	Candles
2ft	9"	6748.12
4ft	1'6"	1687.03
6ft	2'3"	749.79
8ft	2'11"	421.76
10ft	3'8"	269.92
15ft	5'7"	119.97
20ft	7'5"	67.48
30ft	11'1"	29.99
40ft	14'10"	16.87
50ft	18'6"	10.80

PAR36 6W 3000K 38° CANDLEPOWER: 620.12		
Distance	Foot	Candles
2ft	1'4"	3684.50
4ft	2'7"	921.12
6ft	3'11"	409.39
8ft	5'3"	230.28
10ft	6'6"	147.38
15ft	9'9"	65.50
20ft	13'1"	36.84
30ft	19'17"	16.38
40ft	26'1"	9.21
50ft	32'7"	5.90

PAR36 6W 3000K 60° CANDLEPOWER: 541.65		
Distance	Foot	Candles
2ft	1'11"	1650.59
4ft	3'11"	412.65
6ft	5'10"	183.40
8ft	7'10"	103.16
10ft	9'9"	66.02
15ft	14'8"	29.34
20ft	19'7"	16.51
30ft	29'4"	7.34
40ft	39'1"	4.13
50ft	48'11"	2.64

PAR36 6W 3000K 120° CANDLEPOWER: 415.96		
Distance	Foot	Candles
2ft	6'8"	352.96
4ft	13'5"	88.24
6ft	20'1"	39.22
8ft	26'9"	22.06
10ft	33'6"	14.12
15ft	50'3"	6.27
20ft	66'1"	3.53
30ft	100'5"	1.57
40ft	133'11"	0.88
50ft	167'5"	0.56

PAR36 6W 5000K 15° CANDLEPOWER: 559.59		
Distance	Foot	Candles
2ft	7"	10090.64
4ft	1'2"	2522.66
6ft	1'9"	1121.18
8ft	2'4"	630.66
10ft	2'11"	403.63
15ft	4'4"	179.39
20ft	5'10"	100.91
30ft	8'9"	44.85
40ft	11'8"	25.23
50ft	14'7"	16.15

PAR36 6W 5000K 24° CANDLEPOWER: 651.23		
Distance	Foot	Candles
2ft	9"	6857.37
4ft	1'6"	1714.34
6ft	2'3"	761.93
8ft	2'11"	428.59
10ft	3'8"	274.29
15ft	5'7"	121.91
20ft	7'5"	68.57
30ft	11'1"	30.48
40ft	14'10"	17.14
50ft	18'6"	10.97

PAR36 6W 5000K 38° CANDLEPOWER: 635.89		
Distance	Foot	Candles
2ft	1'4"	3778.15
4ft	2'7"	944.54
6ft	3'11"	419.79
8ft	5'3"	236.13
10ft	6'6"	151.13
15ft	9'9"	67.17
20ft	13'1"	37.78
30ft	19'17"	16.79
40ft	26'1"	9.45
50ft	32'7"	6.05

PAR36 6W 5000K 60° CANDLEPOWER: 566.90		
Distance	Foot	Candles
2ft	1'11"	1727.45
4ft	3'11"	431.86
6ft	5'10"	191.94
8ft	7'10"	107.97
10ft	9'9"	69.10
15ft	14'8"	30.71
20ft	19'7"	17.27
30ft	29'4"	7.68
40ft	39'1"	4.32
50ft	48'11"	2.76

PAR36 6W 5000K 120° CANDLEPOWER: 436.98		
Distance	Foot	Candles
2ft	6'8"	370.83
4ft	13'5"	92.71
6ft	20'1"	41.20
8ft	26'9"	23.18
10ft	33'6"	14.83
15ft	50'3"	6.59
20ft	66'1"	3.71
30ft	100'5"	1.65
40ft	133'11"	0.93
50ft	167'5"	0.59

PAR 36 10W

PAR36 10W 2700K 15° CANDLEPOWER: 1000.12		
Distance	Foot	Candles
2ft	5"	13928.96
4ft	11"	3482.24
6ft	1'4"	1547.66
8ft	1'9"	870.56
10ft	2'3"	557.16
15ft	3'4"	247.63
20ft	4'5"	139.29
30ft	6'8"	61.91
40ft	8'11"	34.82
50ft	11'1"	22.29

PAR36 10W 2700K 24° CANDLEPOWER: 975.5		
Distance	Foot	Candles
2ft	10"	12362.43
4ft	1'7"	3090.61
6ft	2'5"	1373.60
8ft	3'3"	772.65
10ft	4'1"	494.50
15ft	6'1"	219.78
20ft	8'1"	123.62
30ft	12'1"	54.94
40ft	16'2"	30.91
50ft	20'2"	19.78

PAR36 10W 2700K 38° CANDLEPOWER: 952.63		
Distance	Foot	Candles
2ft	1'3"	3440.26
4ft	2'7"	860.06
6ft	3'10"	382.25
8ft	5'1"	215.02
10ft	6'5"	137.61
15ft	9'7"	61.16
20ft	12'9"	34.40
30ft	19'2"	15.29
40ft	25'7"	8.60
50ft	31'12"	5.50

PAR36 10W 2700K 60° CANDLEPOWER: 936.532		
Distance	Foot	Candles
2ft	1'11"	3009.90
4ft	3'9"	752.48
6ft	5'8"	334.43
8ft	7'7"	188.12
10ft	9'6"	120.40
15ft	14'3"	53.51
20ft	18'12"	30.10
30ft	28'6"	13.38
40ft	37'12"	7.52
50ft	47'6"	4.82

PAR36 10W 2700K 120° CANDLEPOWER: 586.91		
Distance	Foot	Candles
2ft	6'8"	500.54
4ft	13'3"	125.13
6ft	19'11"	55.62
8ft	26'7"	31.28
10ft	33'3"	20.02
15ft	49'10"	8.90
20ft	66'5"	5.01
30ft	99'8"	2.22
40ft	132'11"	1.25
50ft	166'1"	0.80

PAR36 10W 3000K 15° CANDLEPOWER: 1013.56		
Distance	Foot	Candles
2ft	5"	14116.15
4ft	11"	3529.04
6ft	1'4"	1568.46
8ft	1'9"	882.26
10ft	2'3"	564.65
15ft	3'4"	250.95
20ft	4'5"	141.16
30ft	6'8"	62.74
40ft	8'11"	35.29
50ft	11'1"	22.59

PAR36 10W 3000K 24° CANDLEPOWER: 987.5		
Distance	Foot	Candles
2ft	10"	12514.53
4ft	1'7"	3128.63
6ft	2'5"	1390.50
8ft	3'3"	782.16
10ft	4'1"	500.58
15ft	6'1"	222.48
20ft	8'1"	125.15
30ft	12'1"	55.62
40ft	16'2"	31.29
50ft	20'2"	20.02

PAR36 10W 3000K 38° CANDLEPOWER: 970.23		
Distance	Foot	Candles
2ft	1'3"	3503.77
4ft	2'7"	875.94
6ft	3'10"	389.31
8ft	5'1"	218.99
10ft	6'5"	140.15
15ft	9'7"	62.29
20ft	12'9"	35.04
30ft	19'2"	15.57
40ft	25'7"	8.76
50ft	31'12"	5.61

PAR36 10W 3000K 60° CANDLEPOWER: 955.463		
Distance	Foot	Candles
2ft	1'11"	3070.72
4ft	3'9"	767.68
6ft	5'8"	341.19
8ft	7'7"	191.92
10ft	9'6"	122.83
15ft	14'3"	54.59
20ft	18'12"	30.71
30ft	28'6"	13.65
40ft	37'12"	7.68
50ft	47'6"	4.91

PAR36 10W 3000K 120° CANDLEPOWER: 610.89		
Distance	Foot	Candles
2ft	6'8"	520.99
4ft	13'3"	130.25
6ft	19'11"	57.89
8ft	26'7"	32.56
10ft	33'3"	20.84
15ft	49'10"	9.26
20ft	66'5"	5.21
30ft	99'8"	2.32
40ft	132'11"	1.30
50ft	166'1"	0.83

PAR36 10W 5000K 15° CANDLEPOWER: 1026.63		
Distance	Foot	Candles
2ft	5"	14298.17
4ft	11"	3574.54
6ft	1'4"	1588.69
8ft	1'9"	893.64
10ft	2'3"	571.93
15ft	3'4"	254.19
20ft	4'5"	142.98
30ft	6'8"	63.55
40ft	8'11"	35.75
50ft	11'1"	22.88

PAR36 10W 5000K 24° CANDLEPOWER: 1000.32		
Distance	Foot	Candles
2ft	10"	12680.30
4ft	1'7"	3170.08
6ft	2'5"	1408.92
8ft	3'3"	792.52
10ft	4'1"	507.21
15ft	6'1"	225.43
20ft	8'1"	126.80
30ft	12'1"	56.36
40ft	16'2"	31.70
50ft	20'2"	20.29

PAR36 10W 5000K 38° CANDLEPOWER: 986.56		
Distance	Foot	Candles
2ft	1'3"	3562.76
4ft	2'7"	890.69
6ft	3'10"	395.86
8ft	5'1"	222.67
10ft	6'5"	142.51
15ft	9'7"	63.34
20ft	12'9"	35.63
30ft	19'2"	15.83
40ft	25'7"	8.91
50ft	31'12"	5.70

PAR36 10W 5000K 60° CANDLEPOWER: 970.93		
Distance	Foot	Candles
2ft	1'11"	3120.45
4ft	3'9"	780.11
6ft	5'8"	346.72
8ft	7'7"	195.03
10ft	9'6"	124.82
15ft	14'3"	55.47
20ft	18'12"	31.20
30ft	28'6"	13.87
40ft	37'12"	7.80
50ft	47'6"	4.99

PAR36 10W 5000K 120° CANDLEPOWER: 635.92		
Distance	Foot	Candles
2ft	6'8"	542.30
4ft	13'3"	135.58
6ft	19'11"	60.26
8ft	26'7"	33.89
10ft	33'3"	21.69
15ft	49'10"	9.64
20ft	66'5"	5.42
30ft	99'8"	2.41
40ft	132'11"	1.36
50ft	166'1"	0.87

PAR 36 13W

PAR36 13W 2700K 15° CANDLEPOWER: 1150.56		
Distance	Foot	Candles
2ft	7"	18955.87
4ft	1'2"	4738.97
6ft	1'9"	2106.21
8ft	2'4"	1184.74
10ft	2'11"	758.23
15ft	4'5"	336.99
20ft	5'11"	189.56
30ft	8'10"	84.25
40ft	11'10"	47.39
50ft	14'19"	30.33

PAR36 13W 2700K 24° CANDLEPOWER: 1100.32		
Distance	Foot	Candles
2ft	11"	9477.93
4ft	1'11"	2369.48
6ft	2'10"	1053.10
8ft	3'10"	592.37
10ft	4'9"	379.12
15ft	7'2"	168.50
20ft	9'7"	94.78
30ft	14'4"	42.12
40ft	19'2"	23.69
50ft	23'11"	15.16

PAR36 13W 2700K 38° CANDLEPOWER: 1045.36		
Distance	Foot	Candles
2ft	1'2"	7723.14
4ft	2'3"	1930.79
6ft	3'5"	858.13
8ft	4'6"	482.70
10ft	5'8"	308.93
15ft	8'6"	137.30
20ft	11'4"	77.23
30ft	17'1"	34.33
40ft	22'9"	19.31
50ft	28'5"	12.36

PAR36 13W 2700K 60° CANDLEPOWER: 1034.96		
Distance	Foot	Candles
2ft	2'4"	3134.45
4ft	4'8"	783.61
6ft	6'1"	348.27
8ft	8'2"	195.90
10ft	10'2"	125.38
15ft	15'3"	55.72
20ft	20'4"	31.34
30ft	30'6"	13.93
40ft	40'8"	7.84
50ft	50'10"	5.02

PAR36 13W 2700K 120° CANDLEPOWER: 673.536		
Distance	Foot	Candles
2ft	6'8"	575.35
4ft	13'3"	143.84
6ft	19'11"	63.93
8ft	26'6"	35.96
10ft	33'2"	23.01
15ft	49'9"	10.23
20ft	66'3"	5.75
30ft	99'5"	2.56
40ft	132'7"	1.44
50ft	165'8"	0.92

PAR36 13W 3000K 15° CANDLEPOWER: 1168.32		
Distance	Foot	Candles
2ft	7"	19248.44
4ft	1'2"	4812.11
6ft	1'9"	2138.72
8ft	2'4"	1203.03
10ft	2'11"	769.94
15ft	4'5"	342.19
20ft	5'11"	192.48
30ft	8'10"	85.55
40ft	11'10"	48.12
50ft	14'19"	30.80

PAR36 13W 3000K 24° CANDLEPOWER: 1120.12		
Distance	Foot	Candles
2ft	11"	9648.44
4ft	1'11"	2412.11
6ft	2'10"	1072.05
8ft	3'10"	603.03
10ft	4'9"	385.94
15ft	7'2"	171.53
20ft	9'7"	96.48
30ft	14'4"	42.88
40ft	19'2"	24.12
50ft	23'11"	15.44

PAR36 13W 3000K 38° CANDLEPOWER: 1064.97		
Distance	Foot	Candles
2ft	1'2"	7868.03
4ft	2'3"	1967.01
6ft	3'5"	874.23
8ft	4'6"	491.75
10ft	5'8"	314.72
15ft	8'6"	139.88
20ft	11'4"	78.68
30ft	17'1"	34.97
40ft	22'9"	19.67
50ft	28'5"	12.59

PAR36 13W 3000K 60° CANDLEPOWER: 1045.5		
Distance	Foot	Candles
2ft	2'4"	3166.42
4ft	4'8"	791.60
6ft	6'1"	351.82
8ft	8'2"	197.90
10ft	10'2"	126.66
15ft	15'3"	56.29
20ft	20'4"	31.66
30ft	30'6"	14.07
40ft	40'8"	7.92
50ft	50'10"	5.07

PAR36 13W 3000K 120° CANDLEPOWER: 683.56		
Distance	Foot	Candles
2ft	6'8"	583.96
4ft	13'3"	145.99
6ft	19'11"	64.88
8ft	26'6"	36.50
10ft	33'2"	23.36
15ft	49'9"	10.38
20ft	66'3"	5.84
30ft	99'5"	2.60
40ft	132'7"	1.46
50ft	165'8"	0.93

PAR36 13W 5000K 15° CANDLEPOWER: 1180.48		
Distance	Foot	Candles
2ft	7"	19448.76
4ft	1'2"	4862.19
6ft	1'9"	2160.97
8ft	2'4"	1215.55
10ft	2'11"	777.95
15ft	4'5"	345.76
20ft	5'11"	194.49
30ft	8'10"	86.44
40ft	11'10"	48.62
50ft	14'19"	31.12

PAR36 13W 5000K 24° CANDLEPOWER: 1140.89		
Distance	Foot	Candles
2ft	11"	9827.45
4ft	1'11"	2456.86
6ft	2'10"	1091.94
8ft	3'10"	614.22
10ft	4'9"	393.10
15ft	7'2"	174.71
20ft	9'7"	98.27
30ft	14'4"	43.68
40ft	19'2"	24.57
50ft	23'11"	15.72

PAR36 13W 5000K 38° CANDLEPOWER: 1070.56		
Distance	Foot	Candles
2ft	1'2"	7909.37
4ft	2'3"	1977.34
6ft	3'5"	878.82
8ft	4'6"	494.34
10ft	5'8"	316.37
15ft	8'6"	140.61
20ft	11'4"	79.09
30ft	17'1"	35.15
40ft	22'9"	19.77
50ft	28'5"	12.65

PAR36 13W 5000K 60° CANDLEPOWER: 1080.63		
Distance	Foot	Candles
2ft	2'4"	3272.77
4ft	4'8"	818.19
6ft	6'1"	363.64
8ft	8'2"	204.55
10ft	10'2"	130.91
15ft	15'3"	58.18
20ft	20'4"	32.73
30ft	30'6"	14.55
40ft	40'8"	8.18
50ft	50'10"	5.24

PAR36 13W 5000K 120° CANDLEPOWER: 705.89		
Distance	Foot	Candles
2ft	6'8"	603.01
4ft	13'3"	150.75
6ft	19'11"	67.00
8ft	26'6"	37.69
10ft	33'2"	24.12
15ft	49'9"	10.72
20ft	66'3"	6.03
30ft	99'5"	2.68
40ft	132'7"	1.51
50ft	165'8"	0.96



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