

**12v & 120v**

# LED LAMPS

Proven LED performance,  
superior savings and a  
broad range of options for  
landscape lighting systems



**KICHLER.**

12v & 120v

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Proven LED performance, superior savings and a broad range of options for landscape lighting systems

We've taken everything we know about LED technology and created a new line of lamps that help save money without sacrificing performance.

Designed to fit landscape, outdoor, and security lighting fixtures for both 12v and 120v-277v systems. Kichler® LED lamps offer superior cost savings in terms of energy used and total cost of ownership.

You'll also find an exceptional variety of lamp options so you can create the lighting look you want. And, because they're from Kichler, you are assured that the lamps will perform and last.



MR16 Bi-Pin



PAR20 WET

## PROVEN PERFORMANCE

All Kichler LED lamps are designed, tested and listed for use in outdoor environments and are suitable for use in **outdoor wet locations**, and in open or **enclosed** fixtures.

We've **weather coated** and **epoxy potted** the electronics to match the end-use application, assuring **superior durability** for all-weather performance.



We've given our lamps a warranty to match:  
**30,000 hours or 6 years**

even in an enclosed fixture.



All lamps are listed or certified by UL, ETL, and/or CSA to the appropriate ANSI/standard for both the United States and Canada and have been tested for FCC compliance, assuring they won't interfere with other home electronic devices. So, you don't have to worry about inadvertent interference.





S8 Wedge



PAR36  
AR111

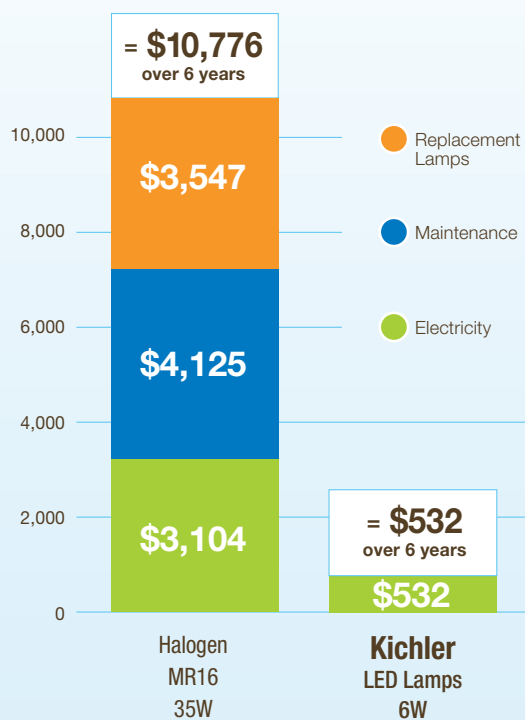


PAR30  
WET  
Longneck

## SUPERIOR SAVINGS

Kichler® LED lamps can help to **lower the total operating cost** of your existing system, whether you're replacing halogen or other incandescent lamps. You get all of the light needed, while **consuming less wattage**.

### 6 YEAR Cost Comparison Based on operating cost for 25 fixture installation



Less Bulb Replacements



Less Maintenance

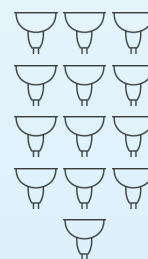
= Longer Service Life\*

1 LED  
MR16  
Bi-Pin



OUTLASTS

13 MR16  
Incandescent  
Bulbs



\* Over 6 years

They not only use less energy, but also last longer than traditional bulbs, meaning **less maintenance** and **no bulbs to replace**. In fact, testing confirms that the lamps will **pay for themselves** in less than two years.

## BROAD RANGE OF OPTIONS

When you choose Kichler® LED lamps you don't have to worry about the **voltage**, **beam spread** or **lamp type** your system requires – because **we've got it all**. With many (light output) **lumen options**, you can get the **exact light output you need**.



## Kelvin Temperature Range

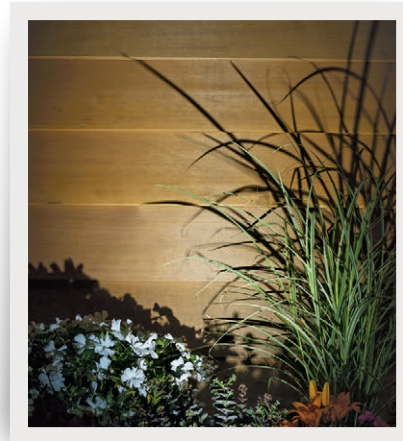
Plus, our range of Kelvin **color temperature choices** helps you **customize** the color of the light to **your application**.



**Warm White**  
2700K



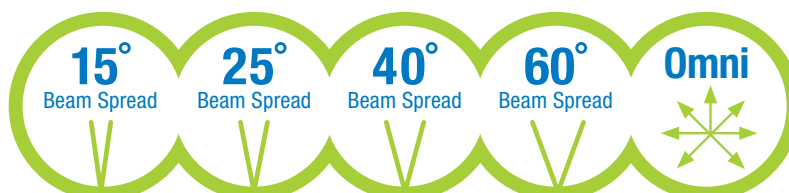
**Pure White**  
3000K



**Cool White**  
4200K

## Beam Spread Options

We also offer lamps for a variety of **fixture types** and **beam spread choices** from **narrow spot** to **wide flood**. Beam spread options vary between 12v and 120v lamps.





MR16 Bi-Pin



MR16 Bi-Pin



PAR36  
AR111



S8 Wedge



T5 Wedge

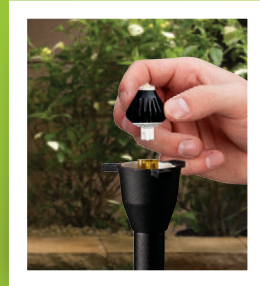


G4/T3 Bi-Pin

## 12V FEATURES



- ★ Potted and/or coated electronics protect against moisture
- ★ Generates consistent light output for systems with an operating range from 9V to 15V with no loss in light output because of constant current driver designs
- ★ Designed and listed for outdoor use in enclosed fixtures or wet locations
- ★ Cast aluminum heat sink, anodized black, for increased thermal management
- ★ Integrated, high output Cree® LEDs tightly binned for high CRI, color uniformity and color quality
- ★ 30,000 hour life in an enclosed fixture
- ★ FCC compliance ensures no interference with other electronic devices
- ★ High total lumens and lumens per watt (efficacy)
- ★ Custom optics deliver center-to-edge beam uniformity



PAR20  
STANDARD



PAR30  
STANDARD



PAR30  
STANDARD  
LONGNECK



PAR38  
STANDARD



PAR20  
WET LOCATION



PAR30  
WET LOCATION



PAR30  
WET LOCATION  
LONGNECK



PAR38  
WET LOCATION

## 120V FEATURES

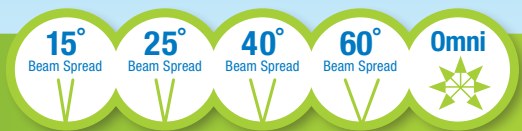


- ★ Potted and/or coated electronics protect against moisture
- ★ Operating range from 120V to 277V
- ★ Standard versions designed and listed for use in an enclosed fixture
- ★ Wet location versions designed and listed for use in an enclosed or open fixture
- ★ Cast aluminum heat sink, anodized black, for increased thermal management
- ★ Integrated driver and transformer with high output Cree® LEDs tightly binned for high CRI, color uniformity and color quality
- ★ 30,000 hour life in an enclosed fixture
- ★ FCC compliance ensures no interference with other electronic devices
- ★ High total lumens and lumens per watt (efficacy)
- ★ Custom optics deliver center-to-edge beam uniformity



\* Cree is a registered trademark of Cree, Inc.

# 12V LED LAMPS



| Base / Lamp Type  | Watts / Lumens   | Kelvin Temperature | Beam Angle                   |                      |                       |                       |
|---|--|--------------------|------------------------------|----------------------|-----------------------|-----------------------|
| <b>MR16 Bi-Pin</b><br>Medium Power<br> | 4W, 5.2VA*<br>240-280Lm<br><br>Compares up to 20-25W Halogen |                    | <b>15° Spot</b>              | <b>25° Wide Spot</b> | <b>40° Flood</b>      | <b>60° Wide Flood</b> |
|   |  | 2700K - Warm White | 18000                        | 18003                | 18006                 | 18009                 |
|   |  | 3000K - Pure White | 18001                        | 18004                | 18007                 | 18010                 |
|   |  | 4200K - Cool White | 18002                        | 18005                | 18008                 | 18011                 |
| <b>MR16 Bi-Pin</b><br>High Power<br>   | 6W, 9VA*<br>380-440Lm<br><br>Compares up to 35-40W Halogen   |                    | <b>22° Spot</b>              | <b>38° Flood</b>     | <b>60° Wide Flood</b> |                       |
|   |  | 2700K - Warm White | 18012                        | 18015                | 18018                 |                       |
|   |  | 3000K - Pure White | 18013                        | 18016                | 18019                 |                       |
|   |  | 4200K - Cool White | 18014                        | 18017                | 18020                 |                       |
| <b>PAR36/AR111</b><br>Wet Location<br> | 11W, 14.9VA*<br>540-660Lm<br><br>Compares up to 50W Halogen  |                    | <b>15° Spot</b>              | <b>25° Wide Spot</b> | <b>40° Flood</b>      |                       |
|   |  | 2700K - Warm White | 18021                        | 18024                | 18027                 |                       |
|   |  | 3000K - Pure White | 18022                        | 18025                | 18028                 |                       |
|   |  | 4200K - Cool White | 18023                        | 18026                | 18029                 |                       |
| <b>S8 Wedge</b><br>                  | 2W, 2.8VA*<br>85-110Lm<br><br>Compares up to 18.5W Krypton   |                    | <b>300° Omni-directional</b> |                      |                       |                       |
|   |  | 2700K - Warm White | 18036                        |                      |                       |                       |
|   |  | 3000K - Pure White | 18037                        |                      |                       |                       |
|   |  | 4200K - Cool White | 18038                        |                      |                       |                       |
| <b>T5 Wedge</b><br>                  | 2W, 2.8VA*<br>85-110Lm<br><br>Compares up to 16W Xenon       |                    | <b>300° Omni-directional</b> |                      |                       |                       |
|   |  | 2700K - Warm White | 18039                        |                      |                       |                       |
|   |  | 3000K - Pure White | 18040                        |                      |                       |                       |
|   |  | 4200K - Cool White | 18041                        |                      |                       |                       |
| <b>G4/T3 Bi-Pin</b><br>              | 2W, 2.8VA*<br>85-110Lm<br><br>Compares up to 20W Halogen     |                    | <b>300° Omni-directional</b> |                      |                       |                       |
|   |  | 2700K - Warm White | 18042                        |                      |                       |                       |
|   |  | 3000K - Pure White | 18043                        |                      |                       |                       |
|   |  | 4200K - Cool White | 18044                        |                      |                       |                       |

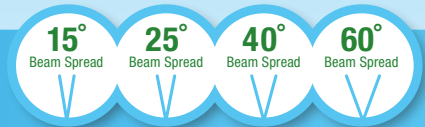
\* Multiply fixture VA by the number of fixtures used to determine size of transformer.

Stated lumens are for bare lamp only. Using lamp in enclosed fixtures can result in up to 40-50% loss in lumen output based on test data.

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# 120V-277V LED LAMPS



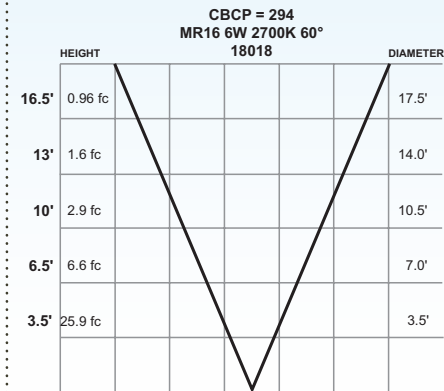
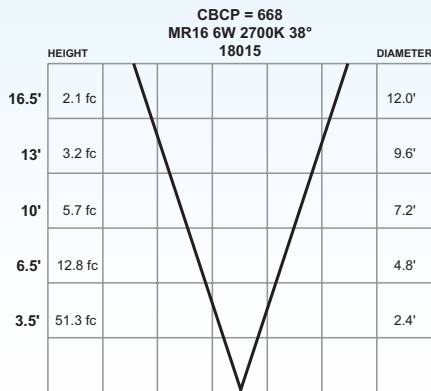
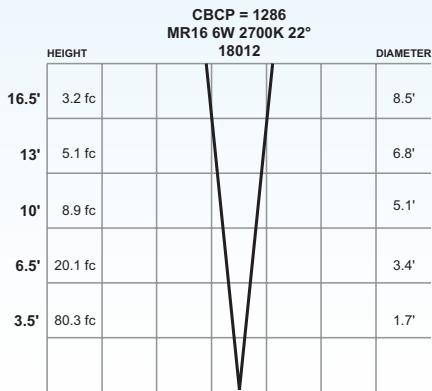
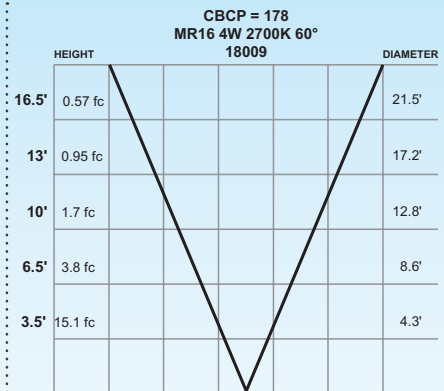
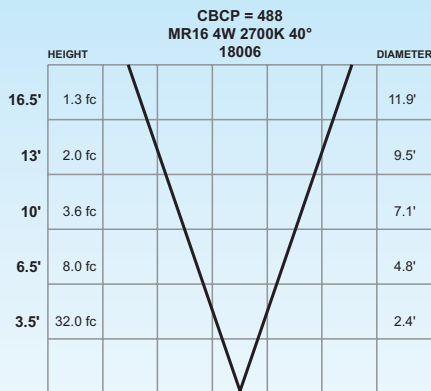
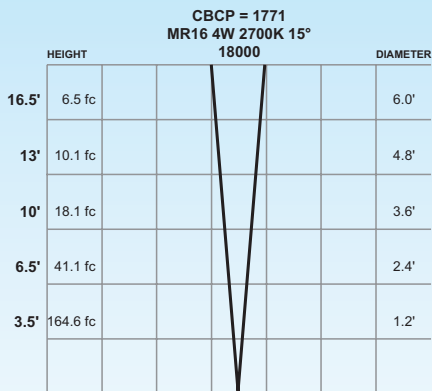
| Base / Lamp Type   | Watts/Lumens                                       | Kelvin Temperature |                      |                      |                  |                       | Beam Angle |  |
|--|--|--------------------|----------------------|----------------------|------------------|-----------------------|------------|--|
| <b>PAR20 - Standard**</b><br>                 | 7W<br>330-400Lm<br><br>Compares up to 35W Halogen  |                    | <b>15° Spot</b>      | <b>25° Wide Spot</b> | <b>40° Flood</b> | <b>60° Wide Flood</b> |            |  |
|  |  | 2700K - Warm White | 18045                | 18048                | 18051            | 18054                 |            |  |
|  |  | 3000K - Pure White | 18046                | 18049                | 18052            | 18055                 |            |  |
|  |  | 4200K - Cool White | 18047                | 18050                | 18053            | 18056                 |            |  |
| <b>PAR30 - Standard**</b><br>                 | 12W<br>650-750Lm<br><br>Compares up to 50W Halogen |                    | <b>15° Spot</b>      | <b>25° Wide Spot</b> | <b>40° Flood</b> | <b>60° Wide Flood</b> |            |  |
|  |  | 2700K - Warm White | 18057                | 18060                | 18063            | 18066                 |            |  |
|  |  | 3000K - Pure White | 18058                | 18061                | 18064            | 18067                 |            |  |
|  |  | 4200K - Cool White | 18059                | 18062                | 18065            | 18068                 |            |  |
| <b>PAR30 - Standard** Longneck</b><br>        | 12W<br>650-750Lm<br><br>Compares up to 50W Halogen |                    | <b>15° Spot</b>      | <b>25° Wide Spot</b> | <b>40° Flood</b> | <b>60° Wide Flood</b> |            |  |
|  |  | 2700K - Warm White | 18099                | 18102                | 18105            | 18108                 |            |  |
|  |  | 3000K - Pure White | 18100                | 18103                | 18106            | 18109                 |            |  |
|  |  | 4200K - Cool White | 18101                | 18104                | 18107            | 18110                 |            |  |
| <b>PAR38 - Standard**</b><br>                | 17W<br>800-900Lm<br><br>Compares up to 75W Halogen |                    | <b>15° Spot</b>      | <b>25° Wide Spot</b> | <b>40° Flood</b> | <b>60° Wide Flood</b> |            |  |
|  |  | 2700K - Warm White | 18069                | 18072                | 18075            | 18078                 |            |  |
|  |  | 3000K - Pure White | 18070                | 18073                | 18076            | 18079                 |            |  |
|  |  | 4200K - Cool White | 18071                | 18074                | 18077            | 18080                 |            |  |
| <b>PAR20 - Wet*** Location</b><br>          | 7W<br>310-350Lm<br><br>Compares up to 35W Halogen  |                    | <b>25° Wide Spot</b> |                      | <b>40° Flood</b> |                       |            |  |
|  |  | 2700K - Warm White | 18081                |                      | 18084            |                       |            |  |
|  |  | 3000K - Pure White | 18082                |                      | 18085            |                       |            |  |
|  |  | 4200K - Cool White | 18083                |                      | 18086            |                       |            |  |
| <b>PAR30 - Wet*** Location</b><br>          | 12W<br>580-640Lm<br><br>Compares up to 50W Halogen |                    | <b>25° Wide Spot</b> |                      | <b>40° Flood</b> |                       |            |  |
|  |  | 2700K - Warm White | 18087                |                      | 18090            |                       |            |  |
|  |  | 3000K - Pure White | 18088                |                      | 18091            |                       |            |  |
|  |  | 4200K - Cool White | 18089                |                      | 18092            |                       |            |  |
| <b>PAR30 - Wet*** Location Longneck</b><br> | 12W<br>580-640Lm<br><br>Compares up to 50W Halogen |                    | <b>25° Wide Spot</b> |                      | <b>40° Flood</b> |                       |            |  |
|  |  | 2700K - Warm White | 18111                |                      | 18114            |                       |            |  |
|  |  | 3000K - Pure White | 18112                |                      | 18115            |                       |            |  |
|  |  | 4200K - Cool White | 18113                |                      | 18116            |                       |            |  |
| <b>PAR38 - Wet*** Location</b><br>          | 17W<br>800-900Lm<br><br>Compares up to 75W Halogen |                    | <b>25° Wide Spot</b> |                      | <b>40° Flood</b> |                       |            |  |
|  |  | 2700K - Warm White | 18093                |                      | 18096            |                       |            |  |
|  |  | 3000K - Pure White | 18094                |                      | 18097            |                       |            |  |
|  |  | 4200K - Cool White | 18095                |                      | 18098            |                       |            |  |

\*\* Standard versions designed and listed for use in an enclosed fixture.

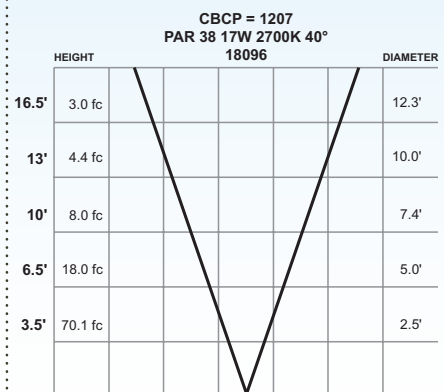
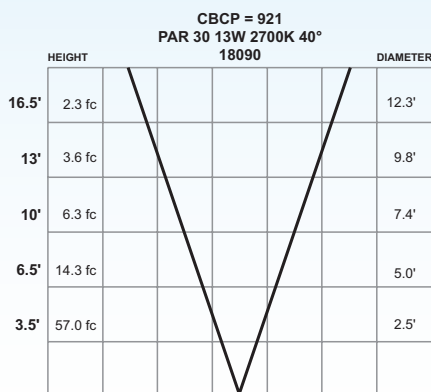
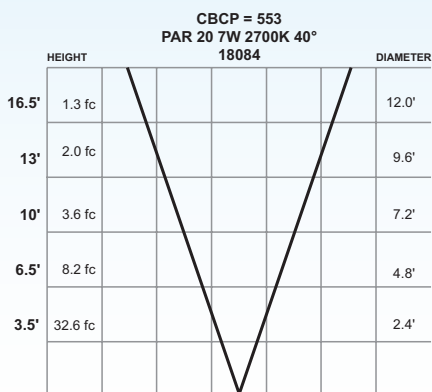
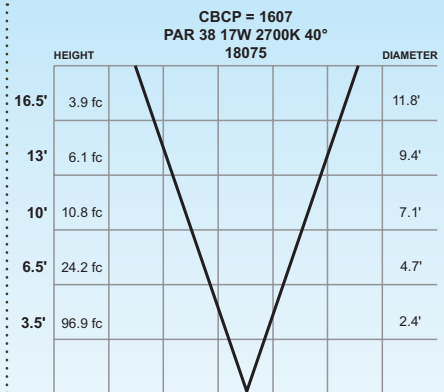
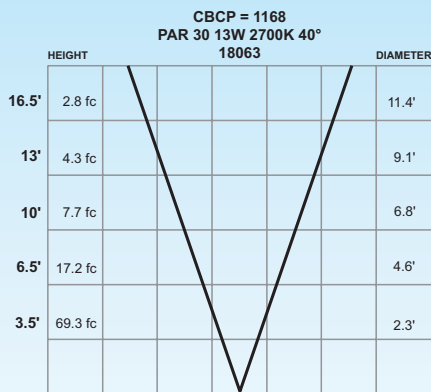
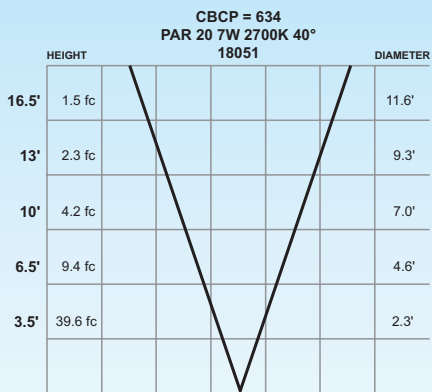
\*\*\*Wet location versions designed and listed for use in an enclosed or open fixture.

Stated lumens are for bare lamp only. Using lamp in enclosed fixtures can result in up to 40-50% loss in lumen output based on test data.

# 12v PHOTOMETRICS



# 120v-277v PHOTOMETRICS



\* The curves indicate the illuminated area and the average illumination when the luminaire is at different distances. Stated footcandles are for bare lamps only. For additional photometrics, visit [landscapelighting.com](http://landscapelighting.com)