



# 12V LED LAMPS

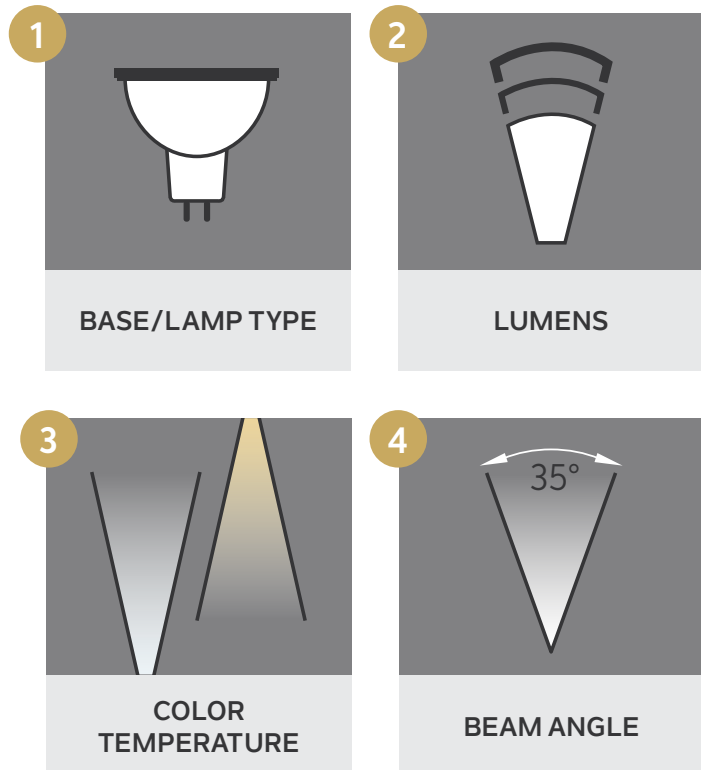
For Landscape Lighting Fixtures



**KICHLER**

# Key Components When Choosing LED Lamps

We know that each landscape project is unique – an application may look better with a warmer color temperature versus a cooler one, or an area may need a tighter beam spread while others might need a larger one. To get the perfect design, you need to make sure you have the right fixture and the correct LED bulb before you get started. That is why it is important to consider the socket base, lamp type, beam angle, lumen level, and color temperature when selecting LED lamps for your project.



## Beam Angle and Color Temperature Options

### CHOOSE THE RIGHT BEAM ANGLE

- Use a 10-15° spot to light the trunk of a tree or highlight a column.
- One 35° flood light works well for a small deciduous tree or create a cross lighting effect using two 35° floods for a medium-sized tree.
- For wide tree canopies a 60° works best. Cross lighting can be achieved using two 60° floods on each opposing side of the tree.
- 180°-300° Omni-directional lamps are suitable for hanging lights, path & spread, deck, and wall wash fixtures - anywhere indirect light spread is desired.



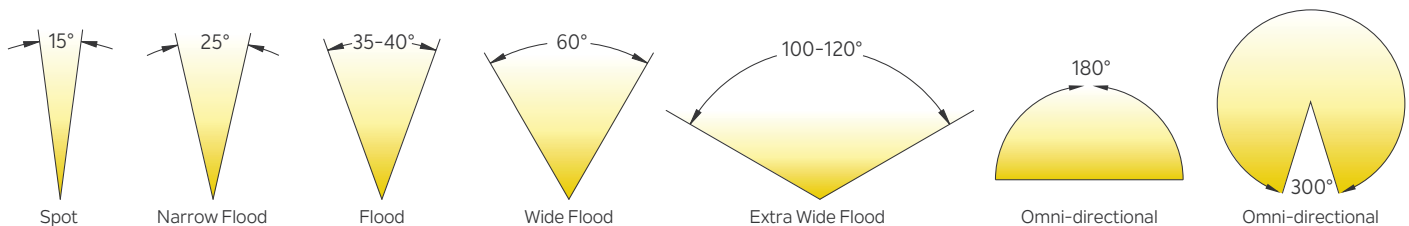
### WARM WHITE COLOR - 2700K

- Surroundings with warmer colors, like brown and cedar
- Natural-colored walls or stonework
- Foliage that is red, orange or yellow (ex: highlighting oak trees)



### PURE WHITE COLOR - 3000K

- Surroundings with dark materials, like deep slate, black or gray
- Foliage that is blue or purple (ex: highlighting blue spruce trees)



# Professional Series LED Lamps

**Our Professional Series** is designed to last and offers the quality, variety, and design options you are looking for in a LED lamp. These lamps include:

- Consistent results: 9-15V operating range with no loss in light output
- Custom TIR acrylic optics: superior control and light uniformity
- 4-step binning gives the most consistent color output from lamp to lamp
- High lumens per watt & total lumen output
- Fully encapsulated: protects internal components from the outdoor elements
- CRI of 85+

With a 6-year warranty and our widest selection, these lamps are designed to meet the unique landscape needs of your clients with top performance.



# Contractor Series LED Lamps

**Our Contractor Series** provides top LED lighting styles and color temps at a professional performance value. These lamps include:









- Popular LED lamp styles in 2700K and 3000K
- Compatible with all Kichler drop-in fixtures
- Consistent results: 9-15V operating range with no loss in light output
- 7-step binning for close color consistency
- CRI of 80+

Plus, you'll enjoy the flexibility of selecting from a simplified portfolio while still meeting your clients' landscaping needs and budget.







# Professional Series LED Lamps

| LAMP  | BASE/<br>LAMP TYPE                              | WATTAGE   | KELVIN/LUMENS<br>(lm for Bare Lamps) | ORDERING INFO |                  |              |                |
|---|---|---|--------------------------------------|---------------|------------------|--------------|----------------|
|   |   |   |                                      | 15° Spot      | 25° Narrow Flood | 40° Flood    | 60° Wide Flood |
|    | <b>MR8 Bi-Pin</b><br>Damp Location<br><b>D</b>  | 2W, 3.1VA<br>Compares<br>up to 15W<br>Halogen   | 2700K - 140 lm                       | <b>18150</b>  | <b>18152</b>     | <b>18154</b> | <b>18156</b>   |
|   |   |   | 3000K - 150 lm                       | --            | --               | <b>18155</b> | <b>18157</b>   |
|    | <b>MR11 Bi-Pin</b><br>Damp Location<br><b>D</b> | 2.5W, 3.8VA<br>Compares<br>up to 20W<br>Halogen | 2700K - 180 lm                       | --            | --               | <b>18162</b> | --             |
|   |   |   | 3000K - 180 lm                       | --            | --               | --           | --             |
|    | <b>MR16</b><br>Damp Location<br><b>D</b>        | 4W, 5.4VA<br>Compares<br>up to 20W<br>Halogen   | 2700K - 285 lm                       | <b>18126</b>  | <b>18128</b>     | <b>18130</b> | <b>18132</b>   |
|   |   |   | 3000 - 285 lm                        | <b>18127</b>  | <b>18129</b>     | <b>18131</b> | <b>18133</b>   |
|    | <b>MR16</b><br>Damp Location<br><b>D</b>        | 5W, 6.6VA<br>Compares<br>up to 35W<br>Halogen   | 2700K - 365 lm                       | <b>18134</b>  | <b>18136</b>     | <b>18138</b> | <b>18140</b>   |
|   |   |   | 3000K - 365 lm                       | <b>18135</b>  | <b>18137</b>     | <b>18139</b> | <b>18141</b>   |
|    | <b>MR16</b><br>Damp Location<br><b>D</b>        | 7.2W, 9.9VA<br>Compares<br>up to 50W<br>Halogen | 2700K - 615 lm                       | <b>18142</b>  | <b>18144</b>     | <b>18146</b> | <b>18148</b>   |
|   |   |   | 3000K - 615 lm                       | <b>18143</b>  | <b>18145</b>     | <b>18147</b> | <b>18149</b>   |
|   | <b>PAR36</b><br>Wet Location<br><b>W</b>        | 4.2W, 6.3VA<br>Compares<br>up to 20W<br>Halogen | 2700K - 290 lm                       | --            | --               | <b>18170</b> | --             |
|   |   |   | 3000K - 290 lm                       | --            | --               | <b>18171</b> | --             |
|  | <b>PAR36</b><br>Wet Location<br><b>W</b>        | 6W, 8.5VA<br>Compares<br>up to 35W<br>Halogen   | 2700K - 475 lm                       | <b>18174</b>  | <b>18176</b>     | <b>18178</b> | --             |
|   |   |   | 3000K - 475 lm                       | --            | --               | <b>18179</b> | <b>18181</b>   |
|  | <b>PAR36</b><br>Wet Location<br><b>W</b>        | 10W, 13.2VA<br>Compares<br>up to 50W<br>Halogen | 2700K - 700 lm                       | --            | <b>18184</b>     | <b>18186</b> | <b>18188</b>   |
|   |   |   | 3000K - 700 lm                       | --            | <b>18185</b>     | <b>18187</b> | <b>18189</b>   |
|  | <b>PAR36</b><br>Wet Location<br><b>W</b>        | 14W, 19.2VA<br>Compares<br>up to 75W<br>Halogen | 2700K - 1090 lm                      | --            | --               | <b>18194</b> | <b>18196</b>   |
|   |   |   | 3000K - 1090 lm                      | --            | --               | <b>18195</b> | <b>18197</b>   |

## OMNI-DIRECTIONAL LAMPS

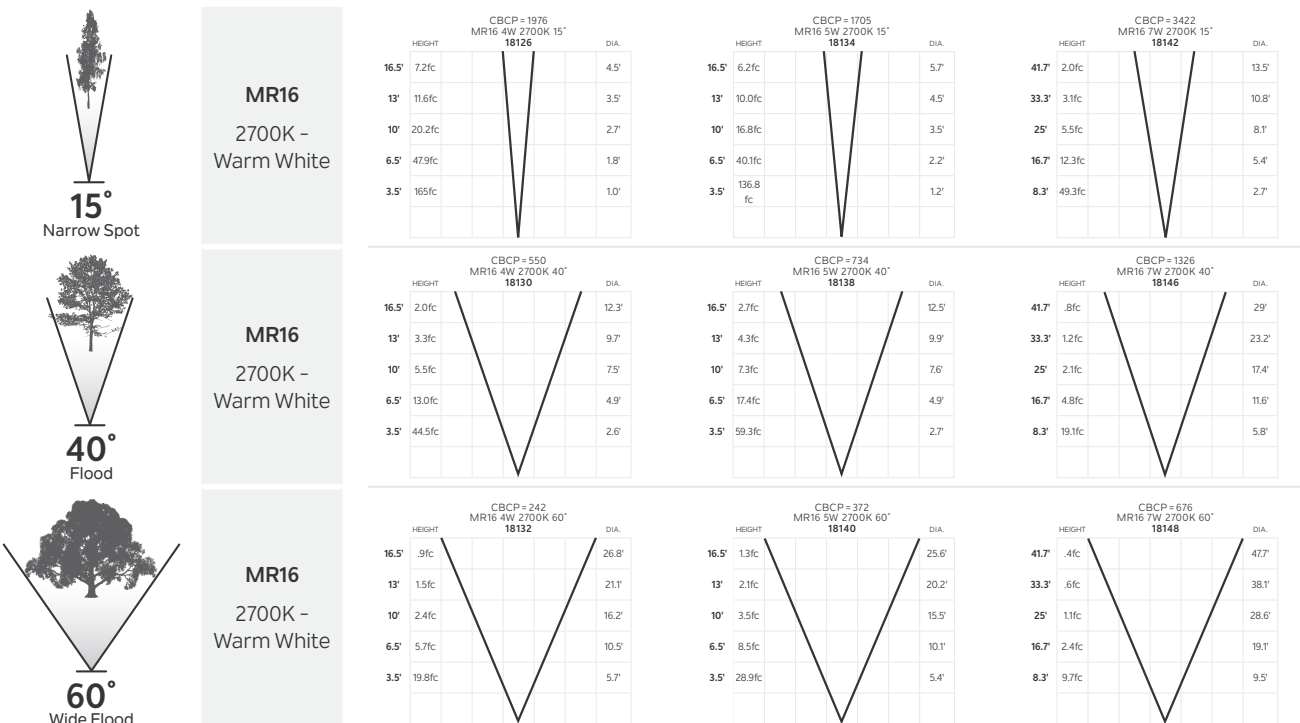
| LAMP  | BASE/<br>LAMP TYPE                           | WATTS  | KELVIN/LUMENS<br>(lm for Bare Lamps) | ORDERING INFO         |
|---|--|--|--------------------------------------|-----------------------|
|   |  |  |                                      | 120° Extra Wide Flood |
|  | <b>T5 Wedge*</b><br>Wet Location<br><b>W</b> | 1.5W, 2.4VA<br>Compares up to<br>16W Xenon     | 2700K - 130 lm                       | <b>18120</b>          |
|   |  |  | 3000K - 130 lm                       | <b>18121</b>          |
|  | <b>S8 Wedge*</b><br>Wet Location<br><b>W</b> | 1.5W, 2.4VA<br>Compares up to<br>18.5W Krypton | 2700K - 130 lm                       | <b>18122</b>          |
|   |  |  | 3000K - 130 lm                       | <b>18123</b>          |

\* Ideal for side mount path, deck/step, wall wash fixtures and more.

# Professional Series LED Lamps



| LAMP  | BASE/<br>LAMP TYPE   | WATTAGE                                      | KELVIN/LUMENS<br>(lm for Bare Lamps) | ORDERING INFO         |                       |
|---|--|--|--------------------------------------|-----------------------|-----------------------|
|   |  |  |                                      | 180° Omni-Directional | 300° Omni-Directional |
|    | <b>T5 Wedge</b><br>Mini Ceramic<br>Wet Location<br>                 | 1W, 1.2VA<br>Compares up to<br>10W Halogen   | 2700K - 85 lm                        | <b>18198</b>          | --                    |
|   |  |  | 3000K - 85 lm                        | <b>18199</b>          | --                    |
|    | <b>T3/G4 Bi-Pin</b><br>Micro Ceramic<br>Wet Location<br>            | 1W, 1.2VA<br>Compares up to<br>10W Halogen   | 2700K - 85 lm                        | <b>18200</b>          | --                    |
|   |  |  | 3000K - 85 lm                        | <b>18201</b>          | --                    |
|    | <b>T5 Wedge</b><br>High Lumen Mini<br>Wet Location<br>              | 2.3W, 3.3VA<br>Compares up to<br>20W Halogen | 2700K - 215 lm                       | --                    | <b>18204</b>          |
|   |  |  | 3000K - 215 lm                       | --                    | <b>18205</b>          |
|    | <b>S8 Wedge</b><br>High Lumen Mini<br>Wet Location<br>              | 2.3W, 3.3VA<br>Compares up to<br>20W Halogen | 2700K - 215 lm                       | --                    | <b>18202</b>          |
|   |  |  | 3000K - 215 lm                       | --                    | <b>18203</b>          |
|    | <b>T3/G4 Bi-Pin</b><br>High Lumen Mini<br>Wet Location<br>          | 2.3W, 3.3VA<br>Compares up to<br>20W Halogen | 2700K - 215 lm                       | --                    | <b>18206</b>          |
|   |  |  | 3000K - 215 lm                       | --                    | <b>18207</b>          |
|  | <b>BA15 Single Contact</b><br>High Lumen Mini<br>Wet Location<br> | 2.3W, 3.3VA<br>Compares up to<br>20W Halogen | 2700K - 215 lm                       | --                    | <b>18208</b>          |
|   |  |  | 3000K - 215 lm                       | --                    | <b>18209</b>          |

## Popular 12V Lamp 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 landscape product information tools and resources, visit [Kichler.com/Landscape](http://Kichler.com/Landscape).

# Contractor Series LED Lamps

| LAMP  | BASE/<br>LAMP TYPE                       | WATTAGE                                 | KELVIN/LUMENS<br>(lm for Bare Lamps) | ORDERING INFO |                |                       |
|---|--|---|--------------------------------------|---------------|----------------|-----------------------|
|   |  |   |                                      | 35° Flood     | 60° Wide Flood | 100° Extra Wide Flood |
|  | <b>MR16</b><br>Damp Location<br><b>D</b> | 4W, 5.7VA<br>Compares to 20-35W Halogen | 2700K - 330 lm                       | <b>18210</b>  | <b>18212</b>   | <b>18214</b>          |
|   |  |   | 3000K - 330 lm                       | <b>18211</b>  | <b>18213</b>   | <b>18215</b>          |
|  | <b>MR16</b><br>Damp Location<br><b>D</b> | 7W, 10VA<br>Compares to 50W Halogen     | 2700K - 550 lm                       | <b>18216</b>  | <b>18218</b>   | <b>18220</b>          |
|   |  |   | 3000K - 550 lm                       | <b>18217</b>  | <b>18219</b>   | <b>18221</b>          |

## OMNI-DIRECTIONAL LAMPS

| LAMP  | BASE/<br>LAMP TYPE                               | WATTAGE                                | KELVIN/LUMENS<br>(lm for Bare Lamps) | ORDERING INFO         |
|---|--|--|--------------------------------------|-----------------------|
|   |  |  |                                      | Omni-Directional Beam |
|  | <b>T3/G4 Bi-Pin*</b><br>Wet Location<br><b>W</b> | 1.5W, 2.4VA<br>Compares to 20W Halogen | 2700K - 180 lm                       | <b>18222</b>          |
|   |  |  | 3000K - 180 lm                       | <b>18223</b>          |
|  | <b>T5 Wedge*</b><br>Wet Location<br><b>W</b>     | 1.5W, 2.4VA<br>Compares to 20W Halogen | 2700K - 184 lm                       | <b>18224</b>          |
|   |  |  | 3000K - 140 lm                       | <b>18225</b>          |

\* Ideal for path, deck/step, wall wash fixtures and more.

## Symbol Guide

- D** Damp-Rated
- W** Wet-Rated
- T20** Title 20 Compliant  
Our Contractor Series LED MR16 lamps (18210-18221) are Title 20 compliant to meet the energy efficient standards set by the California Energy Commission.

**FCC** Federal Communications Commission devices designated with this logo comply with part 15 of the FCC Rules.

## Abbreviation Key

|        |                         |
|--------|-------------------------|
| CBCP   | Center Beam Candlepower |
| Dia.   | Diameter                |
| FC, fc | Foot-candles            |
| K      | Kelvin Temperature      |
| lm     | Lumens                  |
| VA     | Volt Amperage           |
| W      | Watt                    |



All electrical products are UL/CSA/ or ETL Listed and Certified to UL/CSA Standards for use in U.S.A. and Canada except where noted.

## Committed to Your Project Success

Whether you are just planning or would like help troubleshooting an installation, our Advanced Product Solutions & Layout Team (APS) team is here to help you every step of the way. For placement and recommendations contact our APS team at 844-524-4537 or at [techsupport@kichler.com](mailto:techsupport@kichler.com).

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