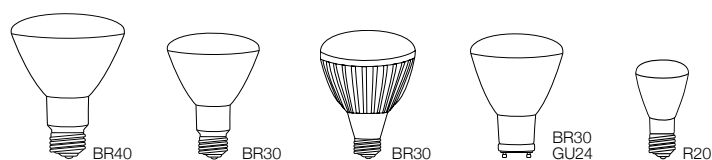


# LED LAMPS

## Solid State Lighting



| Bulb | Base | Product Number | Footnotes | Product Code | Description | Volts | CRI | Color Temp. | Lumens | Life | Pkg. Qty. | Beam Spread | MOL |
|------|------|----------------|-----------|--------------|-------------|-------|-----|-------------|--------|------|-----------|-------------|-----|
|------|------|----------------|-----------|--------------|-------------|-------|-----|-------------|--------|------|-----------|-------------|-----|

### ProLED® Reflector Lamps

#### 5 WATT

|     |      |       |                    |                |       |     |    |      |     |       |     |   |       |
|-----|------|-------|--------------------|----------------|-------|-----|----|------|-----|-------|-----|---|-------|
| R20 | Med. | 80108 | † \$ 3,4,5,8,14,15 | R20FL5/830/LED | Flood | 120 | 82 | 3000 | 310 | 40000 | 1/6 | - | 3.94" |
|     |      | 80110 | † \$ 3,4,5,8,14,15 | R20FL5/850/LED | Flood | 120 | 82 | 5000 | 335 | 40000 | 1/6 | - | 3.94" |

#### 8 WATT

|     |      |       |                    |                |       |     |    |      |     |       |     |   |       |
|-----|------|-------|--------------------|----------------|-------|-----|----|------|-----|-------|-----|---|-------|
| R20 | Med. | 80818 | † \$ 3,4,5,8,14,15 | R20FL8/827/LED | Flood | 120 | 82 | 2700 | 500 | 25000 | 1/6 | - | 3.94" |
|     |      | 80112 | † \$ 3,4,5,8,14,15 | R20FL8/830/LED | Flood | 120 | 82 | 3000 | 520 | 25000 | 1/6 | - | 3.94" |
|     |      | 80114 | † \$ 3,4,5,8,14,15 | R20FL8/850/LED | Flood | 120 | 82 | 5000 | 560 | 40000 | 1/6 | - | 3.94" |

#### 9 WATT

|      |      |       |                    |                      |            |     |    |      |     |       |     |   |       |
|------|------|-------|--------------------|----------------------|------------|-----|----|------|-----|-------|-----|---|-------|
| BR30 | GU24 | 80158 | † \$ 3,4,5,8,14,15 | BR30FL9/827/GU24/LED | Flood      | 120 | 82 | 2700 | 650 | 40000 | 1/6 | - | 5.12" |
|      | Med. | 80159 | † \$ 3,4,5,8,14,15 | BR30FL9/827/LED      | Flood      | 120 | 82 | 2700 | 650 | 25000 | 1/6 | - | 5.12" |
|      |      | 80160 | † \$ 3,4,5,8,14,15 | BR30FL9/830/LED      | Flood      | 120 | 82 | 3000 | 670 | 40000 | 1/6 | - | 5.12" |
|      |      | 80161 | † \$ 3,4,5,8,14,15 | BR30FL9/840/LED      | Flood      | 120 | 82 | 4000 | 700 | 40000 | 1/6 | - | 5.12" |
|      |      | 80162 | † \$ 3,4,5,8,14,15 | BR30FL9/850/LED      | Flood      | 120 | 82 | 5000 | 730 | 40000 | 1/6 | - | 5.12" |
|      |      | 80166 | † \$ 3,4,5,8,14,15 | BR0FL9/PNK/LED       | Flood Pink | 120 | -  | -    | -   | 40000 | 1/6 | - | 5.12" |

#### 11 WATT

|      |      |       |                    |                  |       |     |    |      |     |       |     |   |       |
|------|------|-------|--------------------|------------------|-------|-----|----|------|-----|-------|-----|---|-------|
| BR30 | Med. | 80086 | † \$ 3,4,5,8,14,15 | BR30FL11/827/LED | Flood | 120 | 82 | 2700 | 730 | 25000 | 1/6 | - | 5.12" |
|      |      | 80088 | † \$ 3,4,5,8,14,15 | BR30FL11/830/LED | Flood | 120 | 82 | 3000 | 750 | 25000 | 1/6 | - | 5.12" |
|      |      | 80090 | † \$ 3,4,5,8,14,15 | BR30FL11/840/LED | Flood | 120 | 82 | 4000 | 780 | 40000 | 1/6 | - | 5.12" |
|      |      | 80092 | † \$ 3,4,5,8,14,15 | BR30FL11/850/LED | Flood | 120 | 82 | 5000 | 810 | 40000 | 1/6 | - | 5.12" |

#### 13 WATT

|      |      |       |                    |                  |       |     |    |      |     |       |     |   |       |
|------|------|-------|--------------------|------------------|-------|-----|----|------|-----|-------|-----|---|-------|
| BR40 | Med. | 80116 | † \$ 3,4,5,8,14,15 | BR40FL13/827/LED | Flood | 120 | 82 | 2700 | 850 | 25000 | 1/6 | - | 6.46" |
|      |      | 80118 | † \$ 3,4,5,8,14,15 | BR40FL13/830/LED | Flood | 120 | 82 | 3000 | 880 | 25000 | 1/6 | - | 6.46" |
|      |      | 80120 | † \$ 3,4,5,8,14,15 | BR40FL13/840/LED | Flood | 120 | 82 | 4000 | 920 | 40000 | 1/6 | - | 6.46" |
|      |      | 80122 | † \$ 3,4,5,8,14,15 | BR40FL13/850/LED | Flood | 120 | 82 | 5000 | 950 | 40000 | 1/6 | - | 6.46" |

#### 15 WATT

|      |      |       |                  |                  |       |     |    |      |     |       |     |   |       |
|------|------|-------|------------------|------------------|-------|-----|----|------|-----|-------|-----|---|-------|
| BR30 | Med. | 80778 | \$ 3,4,5,8,14,15 | BR30/15WW/FL/LED | Flood | 120 | 82 | 3000 | 860 | 25000 | 1/6 | - | 5.28" |
|------|------|-------|------------------|------------------|-------|-----|----|------|-----|-------|-----|---|-------|

#### 18 WATT

|      |      |       |                    |                  |       |     |    |      |      |       |     |   |       |
|------|------|-------|--------------------|------------------|-------|-----|----|------|------|-------|-----|---|-------|
| BR40 | Med. | 80124 | † \$ 3,4,5,8,14,15 | BR40FL18/827/LED | Flood | 120 | 82 | 2700 | 1200 | 40000 | 1/6 | - | 6.46" |
|      |      | 80126 | † \$ 3,4,5,8,14,15 | BR40FL18/830/LED | Flood | 120 | 82 | 3000 | 1230 | 25000 | 1/6 | - | 6.46" |
|      |      | 80128 | † \$ 3,4,5,8,14,15 | BR40FL18/840/LED | Flood | 120 | 82 | 4000 | 1280 | 40000 | 1/6 | - | 6.46" |
|      |      | 80130 | † \$ 3,4,5,8,14,15 | BR40FL18/850/LED | Flood | 120 | 82 | 5000 | 1320 | 40000 | 1/6 | - | 6.46" |

### ProLED® Pool Bright

#### 8 WATT

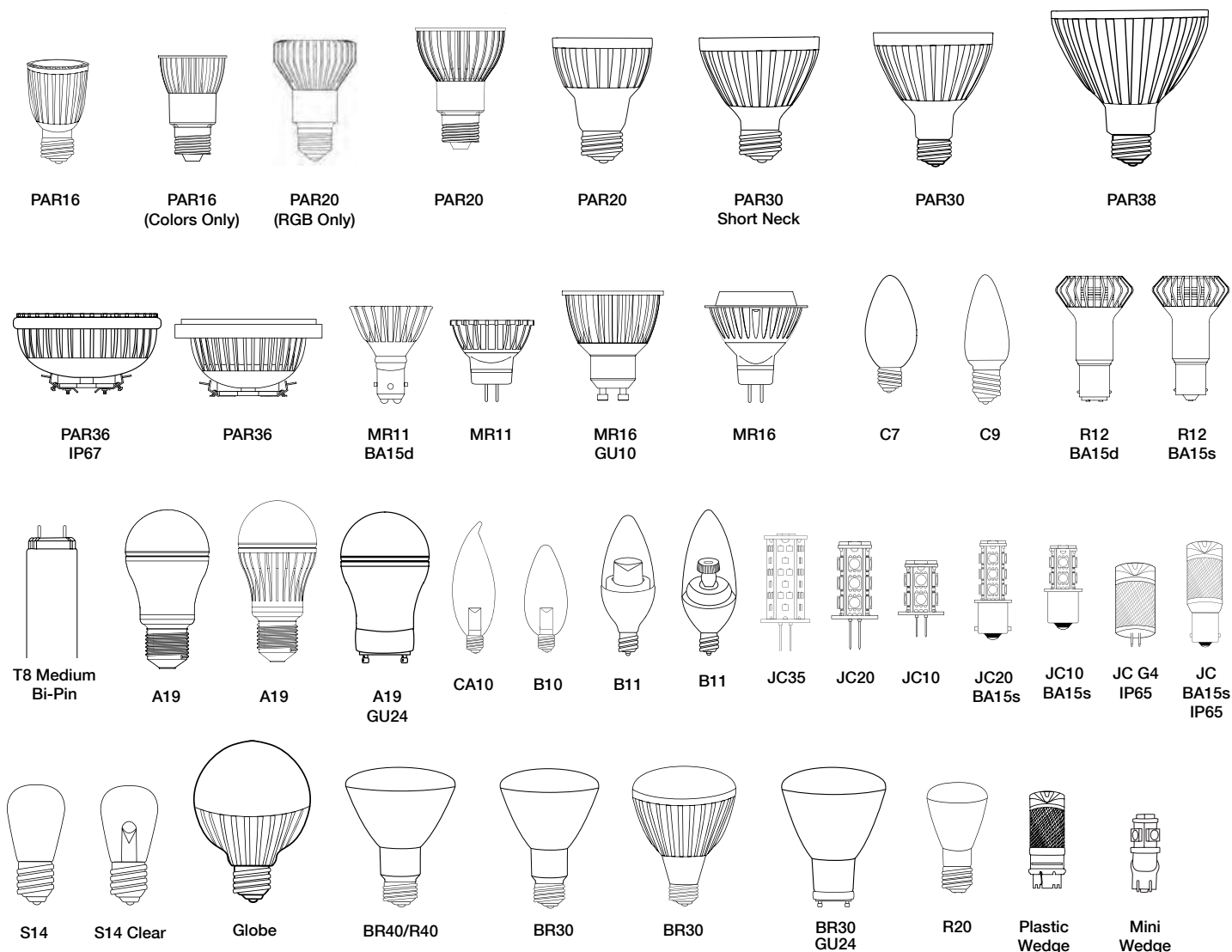
|     |      |       |               |                     |             |     |    |      |       |       |      |   |       |
|-----|------|-------|---------------|---------------------|-------------|-----|----|------|-------|-------|------|---|-------|
| R20 | Med. | 80822 | † \$ 3,4,5,11 | R20FL8/POOL/12V/LED | Pool Bright | 12  | 82 | 6500 | 1000* | 40000 | 6/24 | - | 3.94" |
|     |      | 80821 | † \$ 3,4,5,11 | R20FL8/POOL/LED     | Pool Bright | 120 | 82 | 6500 | 1000* | 40000 | 6/24 | - | 3.94" |

\*Scotopic Lumens

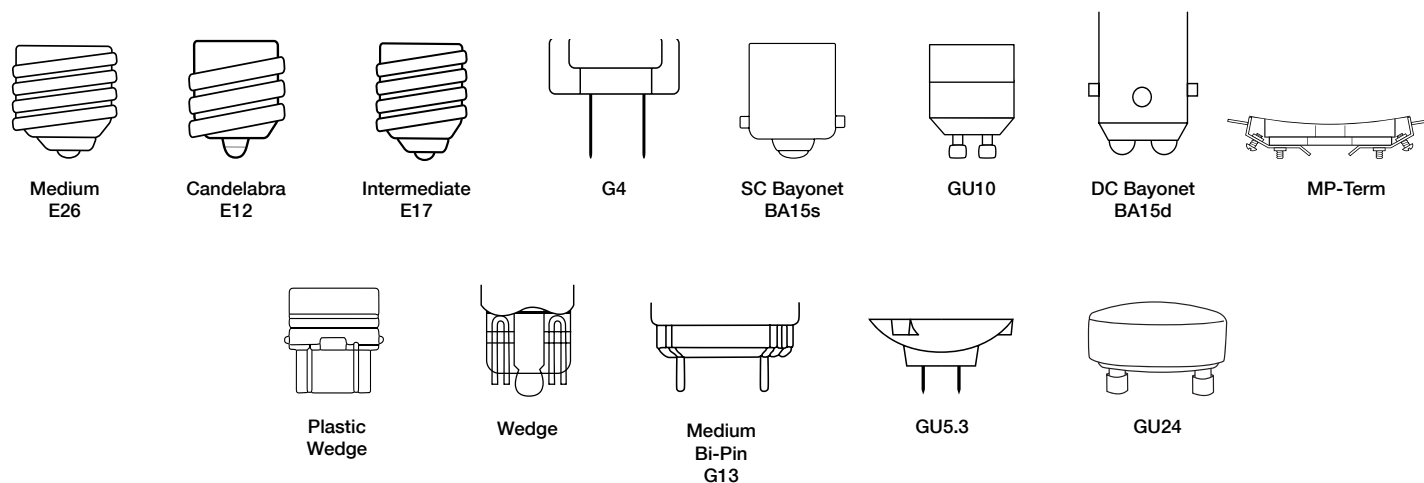
LED lamp symbols, footnotes and abbreviations are located on page 54-55.

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### Bulb Shapes



### Base Types



# LED LAMPS

## Symbols, Footnotes and Abbreviations

### SYMBOLS

|    |                                                          |
|----|----------------------------------------------------------|
| †  | New product introduced within the past year.             |
| N  | Nickel-plated brass base.                                |
| \$ | Energy saving product.                                   |
| X  | Product will be discontinued when inventory is depleted. |

### FOOTNOTES

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | This device is intended for use on Class 2 circuits only. Use only on low voltage circuits with output ranges identified in specifications. These lamps may be dimmed using analog dimmers and magnetic transformers. May not be compatible with all dimmers and/or transformers and should be tested in application for compatibility prior to full installations on circuits using such devices. Not for use on timing devices, photo sensors or occupancy sensors. |
| 2  | Non-Dimmable 120V lamps should only be used on 120V circuits. Not for use on dimmers, timing devices, photo sensors or occupancy sensors.                                                                                                                                                                                                                                                                                                                             |
| 3  | Dimmable 120V lamps should only be used on 120V circuits. Lamps are designed for use with an analog dimmer and these products may not be compatible with all dimming devices. Lamps should be tested in the application prior to full installations on circuits using such devices. Not for use on timing devices, photo-sensors, digital dimmers or occupancy sensors. Ensure minimum dimmer load is met for best performance.                                       |
| 4  | Caution: Risk of electric shock. Never disassemble or modify the bulb, no user serviceable parts inside. To avoid burns, do not touch the bulb during operation and allow to cool completely after switching off. This device is not intended for use in emergency exit fixtures. This device complies with Part 18 of the FCC rules. This product may cause interference with other devices. If interference occurs, change the location of the products involved.   |
| 5  | Do not use where directly exposed to water.                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 6  | Approved for use in sealed metal landscape fixtures.                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 7  | Do not use in totally enclosed fixtures or IC or ICAT rated recessed cans.                                                                                                                                                                                                                                                                                                                                                                                            |
| 8  | Dimmable lamps dim down to 5%, but are limited by the dimming device range.                                                                                                                                                                                                                                                                                                                                                                                           |
| 9  | Base down operation only.                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 10 | IP65 Rated – this lamp is rated for use outdoors where exposed directly to water from rain or irrigation. The lamp is not submersible, not for enclosed fixtures.                                                                                                                                                                                                                                                                                                     |
| 11 | This product is designed to allow operation in metal construction pool fixtures and is allowed in this type of enclosed fixture.                                                                                                                                                                                                                                                                                                                                      |
| 12 | Batteries not included.                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 13 | IP67 Rated - This lamp is rated for use outdoors where exposed directly to water and protected from the effects of temporary immersion in water to depth between 5.9" (15cm) and 39.37" (1m).                                                                                                                                                                                                                                                                         |
| 14 | Not for use in totally enclosed fixtures.<br>Acceptable for use in insulated contact airtight (ICAT) rated fixtures                                                                                                                                                                                                                                                                                                                                                   |
| 15 | Lamp is UL approved for damp locations.                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 16 | Rated for outdoor use only.                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 17 | Rated for indoor use only.                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## ABBREVIATIONS

|              |                                                                  |
|--------------|------------------------------------------------------------------|
| <b>724</b>   | Refers to a color temperature of 2400K and 72CRI.                |
| <b>750</b>   | Refers to a color temperature of 5000K and 72CRI.                |
| <b>827</b>   | Refers to a color temperature of 2700K and 82CRI.                |
| <b>830</b>   | Refers to a color temperature of 3000K and 82CRI.                |
| <b>840</b>   | Refers to a color temperature of 4000K and 82CRI.                |
| <b>850</b>   | Refers to a color temperature of 5000K and 82CRI.                |
| <b>AMB</b>   | Code abbreviation for an Amber lamp.                             |
| <b>BA15S</b> | Code abbreviation for a lamp with a BA15s base.                  |
| <b>BLU</b>   | Code abbreviation for a Blue lamp.                               |
| <b>BR</b>    | Code abbreviation for a lamp with a Brass base.                  |
| <b>C</b>     | Code abbreviation for lamp with Ceramic Paint Color.             |
| <b>CHR</b>   | Code abbreviation for a lamp with a Chrome base.                 |
| <b>CL</b>    | Code abbreviation for a Clear lamp.                              |
| <b>E26</b>   | Code abbreviation for a lamp with a E26 base.                    |
| <b>FL</b>    | Code abbreviation for Flood lamps.                               |
| <b>FR</b>    | Code abbreviation for a Frosted lamp.                            |
| <b>GRN</b>   | Code abbreviation for a Green lamp.                              |
| <b>GU10</b>  | Code abbreviation for a lamp with a GU10 base.                   |
| <b>GU24</b>  | Code abbreviation for a lamp with a GU24 base.                   |
| <b>NFL</b>   | Code abbreviation for Narrow Flood lamps.                        |
| <b>NW</b>    | Code abbreviation for a lamp with a color temperature of 5000K.  |
| <b>POOL</b>  | Code abbreviation for a Pool Bright lamp.                        |
| <b>RED</b>   | Code abbreviation for a Red lamp.                                |
| <b>RGB</b>   | Code abbreviation for a Color Changing Red, Green and Blue lamp. |
| <b>S</b>     | Code abbreviation for short neck PAR30 lamp.                     |
| <b>SP</b>    | Code abbreviation for Spot lamps.                                |
| <b>WFL</b>   | Code abbreviation for Wide Flood lamps.                          |
| <b>WH</b>    | Code abbreviation for a White lamp.                              |
| <b>WW</b>    | Code abbreviation for a lamp with a color temperature of 2700K.  |
| <b>YEL</b>   | Code abbreviation for a Yellow lamp.                             |