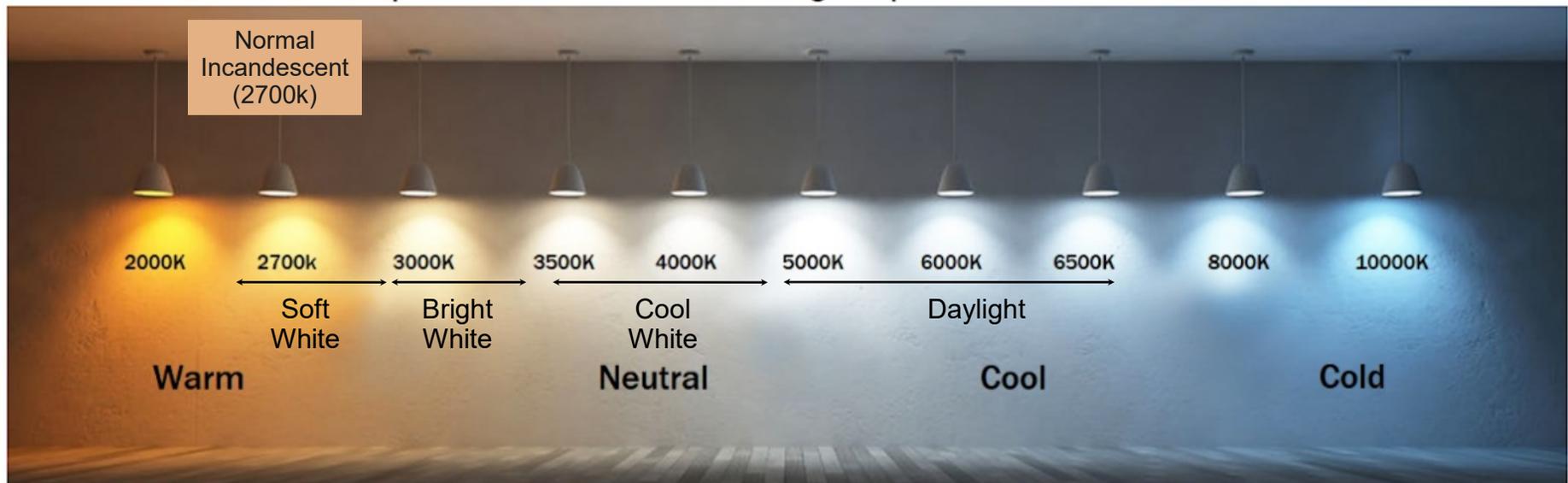


LED Brightness Equivalents and Color Temperature Spectrum

BULB BRIGHTNESS		450 LUMENS	800 LUMENS	1100 LUMENS	1600 LUMENS	2600 LUMENS	5800 LUMENS
	LED	6W	9 - 10W	13W	16 - 18W	24W SPECIAL HIGH VOLTAGE LAMPS	45W
	Regular INCANDESCENT	40W	60W	75W	100W	150W	300W



Lighting to Render Colors Accurately

When it comes to lighting areas where color accuracy is crucial (such as portrait studios) a high color-rendering index (CRI) is key. CRI refers to how accurately a light source reveals the true colors of objects, people, and surroundings and involves a distinct testing method with comparisons to incandescent light or daylight.

Incandescent lights have a notoriously good ability to render color. The color rendering index for an incandescent bulb with a color temperature of 2700K is 100 (a perfect score). As color temperature rises the CRI ratings drop off only slightly but typically remain above 95 (considered an excellent rating).

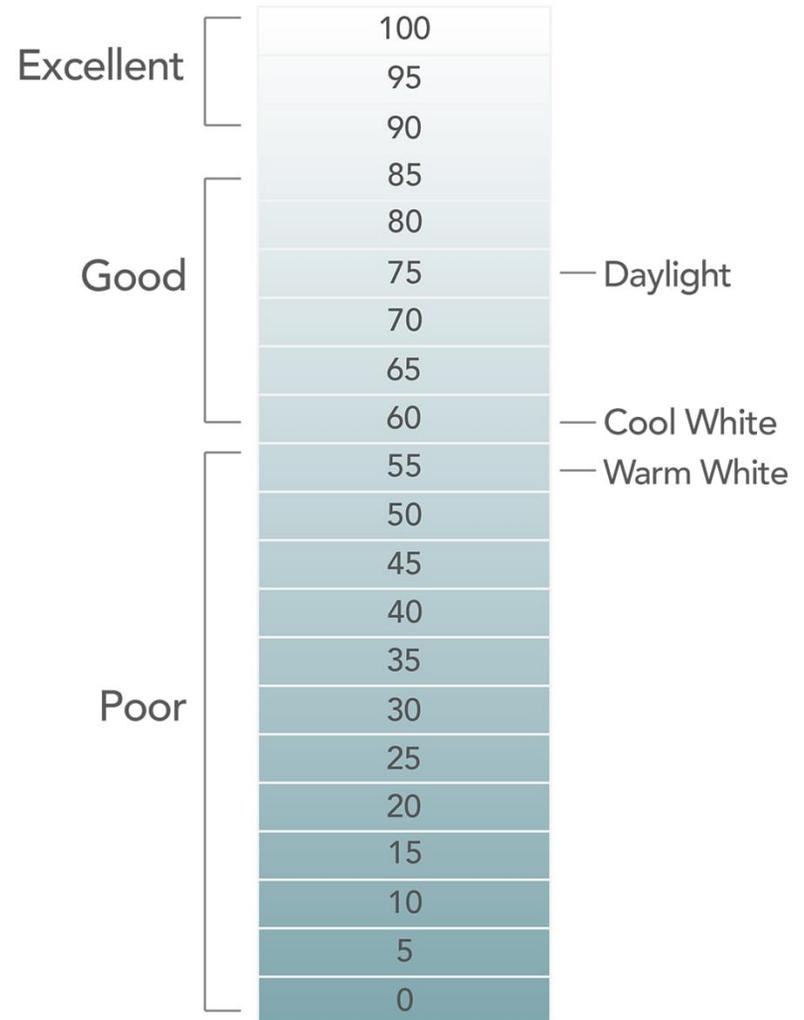
The CRI for LED bulbs is highly dependent on the particular light in question. That said, a very broad spectrum of CRI values is available ranging generally from 65-95.

www.stouchlighting.com/blog/light-comparison-led-lighting-vs-incandescent-lighting

If you want to use an LED bulb, you may want to use the General Electric Reveal bulb, with a color rendering index of 90.



Color Rendering Index (CRI)



Details About Light Bulb Bases & Shapes

What are the different types of light bulbs?

The most common types of light bulbs are incandescent bulbs, halogen bulbs, CFL bulbs, and LED bulbs. For each of these types, the bulb light is produced by a different process.

Light bulbs can also be distinguished by shape and base design. These differences do matter, as certain types of bulbs are recommended for certain types of fixtures.

You can check out our light bulb identifier and finder guide for what light bulb type to buy for a particular fixture.

www.lampsplus.com/ideas-and-advice/light-bulb-identifier-and-finder-guide/

What are the different light bulbs based on how they work?

Incandescent – passes an electric current through a metal filament to produce heat

Halogen – recycles halogen gas and tungsten within a quartz envelope

CFL (compact fluorescent light) – passes an electric current through a gaseous tube

LED (light emitting diode) – passes an electric current through a semi-conducting material, currently the most energy efficient type of bulb

What are the different light bulb shapes?

The most common light bulb shapes are:

Standard Household – denoted with an A

Candle – denoted with a C

Reflector – denoted with an R

Mini Reflector – denoted with MR

Parabolic Aluminized Reflector – denoted with PAR

Globe – denoted with G

Tubular – denoted with a T

The light bulb shape code will be listed on the packaging. The shape code consists of a letter that indicated the physical shape, followed by a number that indicates the size (measured in eighths of a diameter). For example, an “A19 bulb” means that the bulb comes in a standard household shape and is 19/8 inches in size. **A19 bulbs are the most common light bulb shape, so this is what you’ll see the most.**

What are the different light bulb bases?

The most common light bulb base types are:

Standard-medium – a regular sized screw-in base, usually denoted with an E26 or E27

Candelabra – a smaller screw-in base, denoted most often with an E12

Bi-pin – a pin-in base with two points of contact, often denoted by a G4 or GU24

GU10 – a twist-and-lock base

The letter indicates the shape of the base, while the number indicates the size. Always check your lighting fixture before purchasing bulbs. After all, you couldn’t screw in an E26 bulb into a candelabra socket size – it just isn’t possible!

Common Household Bulb:

A SERIES
E26/27 Base

PS SERIES

B SERIES

C SERIES



A15 A17 A19 A20 A21 A23

PS25 PS35

B8 B10 B11 B13

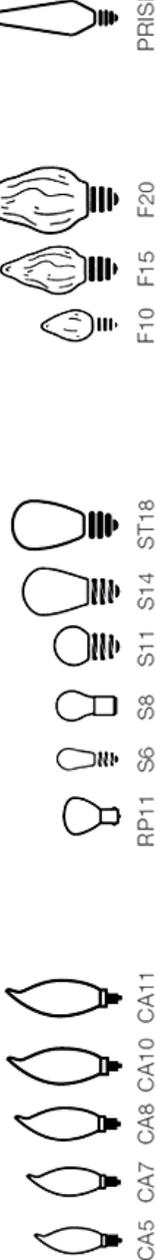
C6 C7 C9 C11 C15

CA SERIES

RP & S SERIES

F SERIES

PRISM



CA5 CA7 CA8 CA10 CA11

RP11 S6 S8 S11 S14 ST18

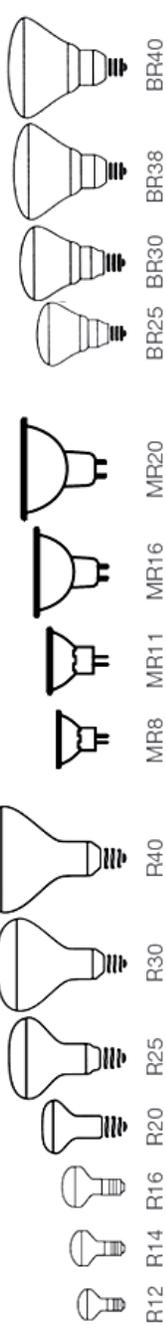
F10 F15 F20

PRISM

R SERIES

MR SERIES

BR SERIES



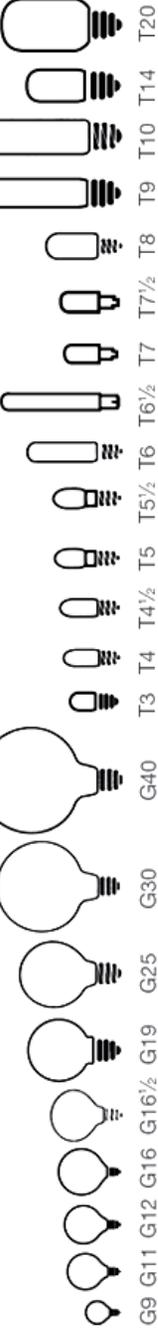
R12 R14 R16 R20 R25 R30 R40

MR8 MR11 MR16 MR20

BR25 BR30 BR38 BR40

G SERIES

T SERIES



G9 G11 G12 G16 G16½ G19 G25 G30 G40

T3 T4 T4½ T5 T5½ T6 T6½ T7 T7½ T8

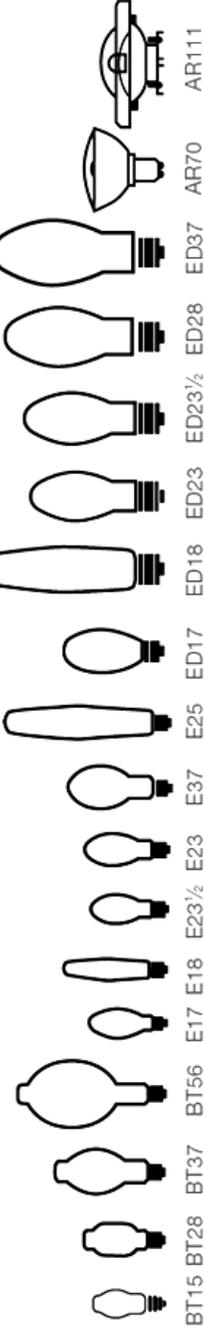
T9 T10 T14 T20

BT SERIES

E SERIES

ED SERIES

AR SERIES



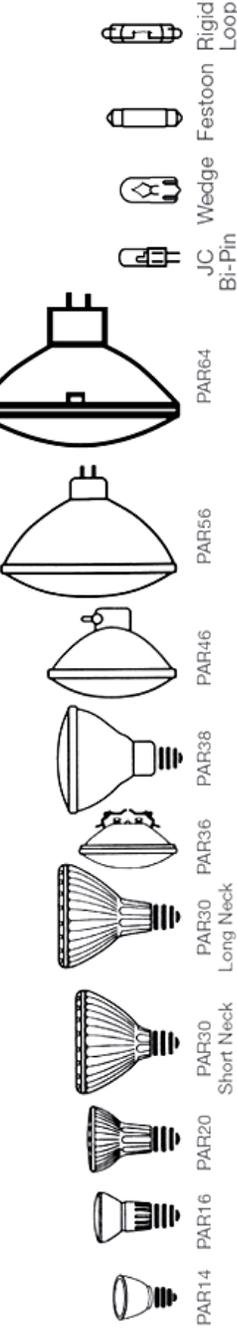
BT15 BT28 BT37 BT56

E17 E18 E23½ E23 E37 E25 ED17 ED18 ED23 ED23½ ED28 ED37

AR70 AR111

PAR SERIES

SPECIALTY



PAR14 PAR16 PAR20 PAR30 PAR36 PAR46 PAR56 PAR64

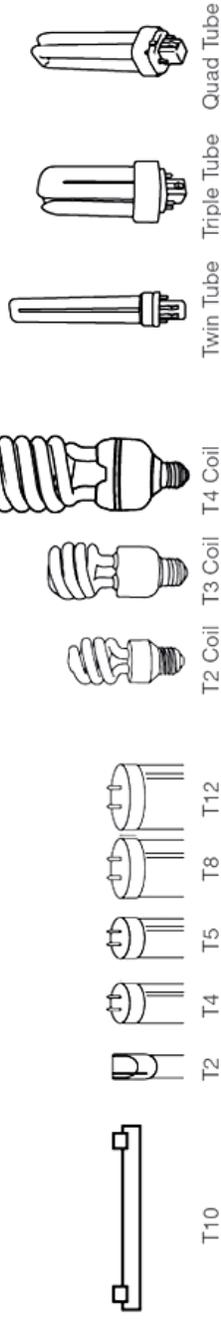
JC Wedge Festoon Rigid Loop Bi-Pin

LINESTRA

LINEAR FLUORESCENTS

COMPACT FLUORESCENT COILS

COMPACT FLUORESCENT PLUG IN LAMPS



T10

T2 T4 T5 T8 T12

T2 Coil T3 Coil T4 Coil

Twin Tube Triple Tube Quad Tube