




# Choosing the right light bulb

## Comparing lighting technology

Features	Energy efficiency
	Light Colour
	Dimmability
Light output* (in lumens)	400 – 550
	800 – 1000
	1100 – 1300
	1600 – 1800
Estimated operating cost per lamp (bulb)	Life Span**
	Annual Energy Cost ***








Traditional Lighting Technologies		Energy-Efficient Lighting Technology
Halogen	Compact Fluorescent (CFL)	Light Emitting Diode (LED)
		
Low	Medium	Very High
Warm	Options range from warm to cool	Options range from warm to cool
Full range, widely available	Partial Range (special dimming CFLs available)	Full range, widely available
28–29W	9–11W	LED 5–8W
41–43W	13–16W	8–11W
51–53W	18–20W	11–14W
70–72W	22–27W	16–22W
About 3,000 hours, or about three years	About 8,000 hours, or about eight years	About 25,000 hours, or about 25 years
\$4.32	\$1.34	\$0.93

\* Generally, the higher the lumens, the brighter the bulb

\*\* Assumptions based on 3 hours of use per day

\*\*\* Estimated energy cost is \$0.094/kWh

# What type of LED bulbs are available?

	Bulb type	Bulbs available for this type	Bulb application
	A Arbitrary	A-19 A-21	Table and floor lamps, pendant fixtures, and wall sconces
	G Globe	G25	Bathroom vanities, lamps, pendant lights, and ceiling fans
	BR Bulged Reflector	BR 30 BR 40	Recessed lighting and pot lights, dimmable, and indoor/outdoor floodlights
	PAR Parabolic Aluminized Reflector	PAR 20 PAR 30 PAR 38	Recessed lighting and pot lights, dimmable, and indoor/outdoor lights
	MR Multifaceted Reflector/ Mini Reflector	MR 16 GU 10 is a derivative of an MR 16 with different base pin type	Recessed track lighting, spot lights
	Candelabra	Base Types: candelabra base, and medium/standard base	Decorative fixtures, wall sconces, and chandeliers
	Reflector Down Light/ Retrofit Kits	Bulb and fixture are sold together	<ul style="list-style-type: none"> <li>• Screw into an existing socket base</li> <li>• Bedrooms, dens, kitchens, general living spaces</li> </ul>