

# Choose the right light.

## Comparing bulb types.

		Traditional technology	Energy efficient lighting technology		
		Incandescent	Halogen	Compact fluorescent (CFL)	Light emitting diode (LED)
					
Features	Energy efficiency	Very low	Low	High	Very high
	Light colour or "temperature"	Warm	Warm	Options range from warm to cool	Options range from warm to cool
	Dimmability	Smooth through full range	Smooth through full range	Partial range (special dimming CFLs available)	Partial to full range (dimmable LEDs available)
Light output* (in lumens)	400–550	40W	28–29W	9W–11W	8W
	800–1000	60W	41–43W	13W–16W	9.5W
	1100–1300	75W	51–53W	18W–20W	16–18W
	1600–1800	100W	70–72W	22W–27W	22W
Estimated operating cost per lamp (bulb)	Life span**	Approx. 1,000 hours (~one year)	Approx. 3,000 hours (~three years)	Approx. 8,000 hours (~eight years)	Approx. 25,000 hours (~22 years)
	Annual energy cost***	Approx. \$7.48	Approx. \$5.35	Approx. \$1.99	Approx. \$1.18

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

\*\* Assumptions based on three hours of use per day.

\*\*\* Estimated energy cost: 11.38 cents/kWh. Comparisons based on standard light bulb (60W incandescent; 42W halogen; 15W CFL; 9.5W LED).

# What type of 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	G 25	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 track lighting and pot lights, dimmable, and indoor/outdoor floodlights
	MR Multifaceted Reflector/ Mini Reflector	MR 16 GU 10*	Recessed track lighting, spot lights
	Candelabra	Candelabra base Medium/standard base	Decorative fixtures, wall sconces, and chandeliers
	Reflector down light/retrofit kits	Bulb and fixture are sold together	Screw into an existing socket base Bedrooms, dens, kitchens, general living spaces

\*GU 10 is a derivative of an MR 16 with different base pin type.