

Watts to Lumens Chart

Brightness is lumens. The equivalent watts on an LED box tell you which old bulb it matches.

EQUIVALENT	ENERGY STAR RANGE (LUMENS)
25 W	250 - 449
40 W	450 - 799
60 W	800 - 1, 099
75 W	1, 100 - 1, 599
100 W	1, 600 - 1, 999
125 W	2, 000 - 2, 549
150 W	2, 550 - 3, 000
200 W	3, 001 - 3, 999
300 W	4, 000 - 6, 000

3-WAY EQUIVALENT	TOP SETTING (LUMENS)
30/70/100 W	1, 200 - 1, 999
50/100/150 W	2, 150 - 3, 000

Match brightness by lumens.

The ranges are what ENERGY STAR required of a bulb certified as each equivalent (the program ended for bulbs at the end of 2024). ENERGY STAR's simpler brightness table: 40 W 450, 60 W 800, 75 W 1,100, 100 W 1,600, 150 W 2,600 lumens.

Fixture limits are in watts: compare the bulb's Energy Used on the Lighting Facts label with the fixture's maximum; if the limit is for the whole fixture, add up all its bulbs. Not marked: 60 W or less, or 25 W in an unmarked ceiling fixture with miniature bulbs.

Reflector bulbs (BR30, BR40): ENERGY STAR required a 65 W equivalent to give at least 650 lumens.

Turn the power off and let the old bulb cool before changing it.

Sources: ENERGY STAR (EPA) brightness table and Lamps specification V2.1; FTC Lighting Facts rule; CPSC.