

INCANDESCENT LAMP TEMPERATURE

Wattage	Bare Bulb Temperature	
25 Watts	110°F	43°C
40	252	122
60	260	127
100	261	127
200	307	153
300	374	190
500	389	198

Note: the above temperatures are based on mounting with base up, in a 77°F (25°C) ambient. The temperatures vary, however, depending on the mounting position and the particular point on the bulb. For example: A 200 watt bulb would reach 307°F (153°C) with base up mounting; with a side mounting the bulb could reach 493°F (256°C).

Temperature of filaments in the globe:

40-100 Watts	4424-4676°F (2440-2580°C)
150-200 Watts	4712-4730°F (2600-2610°C)
300-500 Watts	4784-4838°F (2640-2670°C)

This diagram shows the various hotspots of a lightbulb mounted in various positions. Note that when a lightbulb is mounted in the upright position, the tip of the lightbulb can reach temperatures in excess of 446°F (230°C). The tip of the same lightbulb mounted horizontally will probably only reach 194°F (90°C).

