



## Low Pressure Sodium Lamp Efficacy

The lumen ratings of Low Pressure Sodium lamps are based on the average performance of large groups of lamps operated at rated watts in the specified operating position on a standard reference reactor. *Low Pressure Sodium lamps have the highest luminous efficacy of any available light source.* In this table, the range of Low Pressure Sodium lamp efficacies is compared to the efficacies of other light sources.

Lamp Type	Wattage Range	Initial Efficiency (Lumens per Watt)
Low Pressure Sodium	18-180	up to 200
Fluorescent	15-215	55-100
Incandescent	6-1500	4-20
Tungsten Halogen	50-1500	18-22
High Pressure Sodium	35-1000	40-140
Metal Halide	70-1500	80-125
Mercury Vapor	40-1000	32-63

Lumen-per-watt (efficacy) ratings reflect only the watts consumed by the lamp itself and not the total system watts, which include the power consumption of the ballast. The approximate system wattage for each Low Pressure Sodium lamp type appears in this table.

Nominal Lamp Wattage	Ballast Loss (%) of Lamp Wattage
35	60
55	80
90	125
135	178
180	220

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