

Comparison of Lamp Types

Lamp type	Lumens/watt	Average life (hrs)	Color	CRI	CT (K)	Starting Temp. (F)	Instant On	Contain Mercury
Incandescent	7-20	1000	White	100	2800	>- 40° F	Yes	No
Halogen	12-21	1-6000	White	100	3000	>- 40° F	Yes	No
Mercury Vapor	26-39	24,000	White - Bluish	15-50	3800-5700	-22° F	No *	Recycling Require
Compact Fluorescent	45-55	6000 to 10,000	White	82	2700	-20° F or 0° F	Yes *	Recycling Require
T-12 HO Fluorescent	70	9000 – 12,000	White	52-90	3000 – 5000	-20° F	Yes	Recycling Require
Metal Halide	41-79	10,000 - 20,000	Bluish	65-70	3000-4300	-22° F	No *	Recycling Require
Pulse Start Metal Halide	60-74	15,000 - 32,000	Bluish	62-75	3200-4000	-40° F	No *	Recycling Require
T-12 (1.5”) Fluorescent	62-80	9000 to 12,000	White	52-90	3000-5000	50° F	Yes	Recycling Require
T-8 HO Fluorescent	104	18,000	White	75	3000-5000	-20° F	Yes	Recycling Require
High Pressure Sodium	66-97	24,000	Yellow-orange	22-70	1900-2100	-40° F	No *	Recycling Require
T-8 (1.0”) Fluorescent	83-93	15,000 - 40,000	White	60-86	3000-6500	0° F	Yes	Recycling Require
T-5 (5/8”) Fluorescent	95	20,000 – 30,000	White	85	3000-6500	0° F	Yes	Recycling Require
Light Emitting Diodes - LED	80-110	25,000 – 130,000	White	70-92	2700-7000	- 40° F	Yes Full output	No

* Requires warm-up to reach full output