

**OUTDOOR LAMP SELECTION**

**LAMP COMPARISON CHART**

	<b>Incandescent</b>	<b>Quartz (Tungsten-Halogen)</b>	<b>Mercury (Color Improved)</b>	<b>Metal Halide</b>	<b>High Pressure Sodium</b>	<b>Low Pressure Sodium</b>	<b>Compact Fluorescent</b>
Initial Cost	Low	Low	Higher	Higher	Higher	Higher	Low
Initial Lumens/Watt	15-24	15-24	30-60	69-115	79-130	62-150	60-80
Efficiency	Poor	Poor	Fair	Good	Better	Best	Fair
Annual Operating Cost	Medium	Medium	Low	Low	Low	Low	Low
Long Burning Hours Per Year (Over 1000)	Fair	Fair	Good	Good	Good	Good	Good
Short Burning Hours Per Year (Over 1000)	Good	Good	Good	Good	Good	Good	Good
Color Acceptability	Good	Very Good	Fair to Good	Very Good	Fair to Good	Very Poor Monoc.	Good
Degree of Light Control	Very Good	Very Good	Fair	Good	Good	Poor	Fair
Maintained Lumen Output	Good	Very Good	Poor	Good	Good	Very Good	Good
Long Range Projection (Narrow Beam)	Good	Fair	Poor	Good	Good	Poor	Poor
Medium Range Projection	Good	Good	Fair	Good	Good	Poor	Poor
Hot Restart Time	Instant	Instant	10 min.	10-15 min.	1-3 min.	1 min.	Instant

**RECOMMENDED MOUNTING HEIGHTS**

<b>High Pressure Sodium Lamp</b>	<b>Metal Halide Lamp</b>	<b>Mercury Vapor Lamp</b>	<b>Quartz Lamp</b>	<b>Recom. Mounting Height (ft.)</b>
50w	50w	100w	—	6-8
70w	70/100w	—	500w	8-12
100w	150w	175w	—	8-15
150w	175w	—	—	12-18
200w	—	400w	—	15-20
250w	—	—	—	18-25
310w	400w	—	1500w	20-30
400w	—	1000w	—	25-35
1000w	1000w	—	—	35-50
1500w	1500w	—	—	50-150