

COMPARISON:**400 Watt Metal Halide****Raptor™ 4-lamp T5HO**

Input Watts	465	220
Initial Lumens	36,000	20,000
Mean Lumens	24,000 (at 40% of rated life)	19000 at end of life
Lumen Maintenance Factor (output degradation)	.67 (at 40% of rated life – degrades further to end of life)	.95 to end of life
Lumens per Watt	77 initial, 52 at 40% of life	91 initial, 86 at end of life
Color Rendering (CRI)	65	85
Color Stability	Poor	Excellent
Start /Restart Time	10 – 15 minutes to full output	1 second
Lamp Life	20,000 hours (50% Mortality)	30,000 hours (30% Mortality)
Ballast	Constant Wattage Autotransformer	High Frequency Programmed Start Electronic
Frequency	60 Hz (stroboscopic potential)	40,000 Hz (no flicker)
Noise Potential	Audible “Hummm”	Silent
Minimum Start Temperature	-20F	-20F
Heat produced	High	Low
Relamping Cost Ratio	‘X’	½ ‘X’