

## Energy Comparison: Fluorescent vs HID

	HID		FLUORESCENT	
Lamp	400W MH	6xF32T8PLUS	4xF54T5HO	6xF54T5HO
Input Watts	452W	234W	240W	360W
Energy Savings	-	218W	212W	92W
Annual Savings/Lum*	-	\$87.20	\$84.80	\$36.80
Initial Lumen	36,000	21,000	20,000	30,000
LLD	.7	.90	.95	.95
Dirt Depreciation	.9	.90	.90	.90
Luminaire Efficiency	.7	.9	.9	.9
Design Lumens	15,876	15,309	15,390	23,085
System Efficacy (lumens/watt)	35.1	65.4	64.1	64.1

\*Energy Cost = Watts x Hours per Year / 1000 x kilowatt rate    Note: costs shown for 4000 hours @ \$0.10/kwh

### T5/T8 Fluorescent Advantages

- lower energy consumption
- dimming capability
- excellent uniformity of illumination
- higher CRI (85 FL vs 65 HID)
- longer life (20,000 hours @ 100K starts)
- improved lumen maintenance (90-95% FL vs 70% HID)
- instant restrike
- occupancy sensor capability
- no color shift
- more color choices
- instant-on