

## Frequently Asked Questions

# Mean Lumens for Various Lamp Types

*What are some mean lumen values for different lamp types?*

### Mean Lumens for Various Lamp Types as Percent of Initial Lumens

Lamp Type	Mean Lumens as % of Initial Lumens <sup>1</sup>	Lamp Life (Hours)
Fluorescent:		
F40T12/Halophosphor <sup>2</sup>	85%	20,000
F40T12/Rare-earth Triphosphor <sup>3</sup>	88%	20,000
F96T12/Halophosphor <sup>2</sup>	88%	12,000
F96T12/Rare-earth Triphosphor <sup>3</sup>	90%	12,000
F96T12/HO	75%	12,000
F96T12/HO	75%	12,000
F96T12/VHO	70%	10,000
T8/Rare-earth Triphosphor <sup>3</sup>	90%	20,000
T5/Rare-earth Triphosphor <sup>3</sup>	95%	15,000
Incandescent @ 70% life	87%	750 – 2000; Average 1000
Tungsten Halogen @ 70% life	95%	1000 – 4000; Average 2500
Metal Halide:		
M400/U	70%	20,000 Vertical
MP100/U/MED	75%	15,000 Vertical
MS400/HOR	65%	20,000
High Pressure Sodium:		
LU100 @ 50% life	84%	24,000+
LU400 @ 50% life	90%	24,000+

<sup>1</sup> Lumen depreciation @ 40% of lamp life unless otherwise noted. Multiply rated lumens by this percentage to calculate mean lumen or “design lumens”

<sup>2</sup> Halophosphor Lamps – Cool White (CW), White (W), Warm White (WW), Lite White (LW), DESIGN 50<sup>®</sup>

<sup>3</sup> Triphosphor Lamps – DESIGNER<sup>®</sup> D/D800, OCTRON<sup>®</sup> 700 & 800 Series, High Efficiency T5