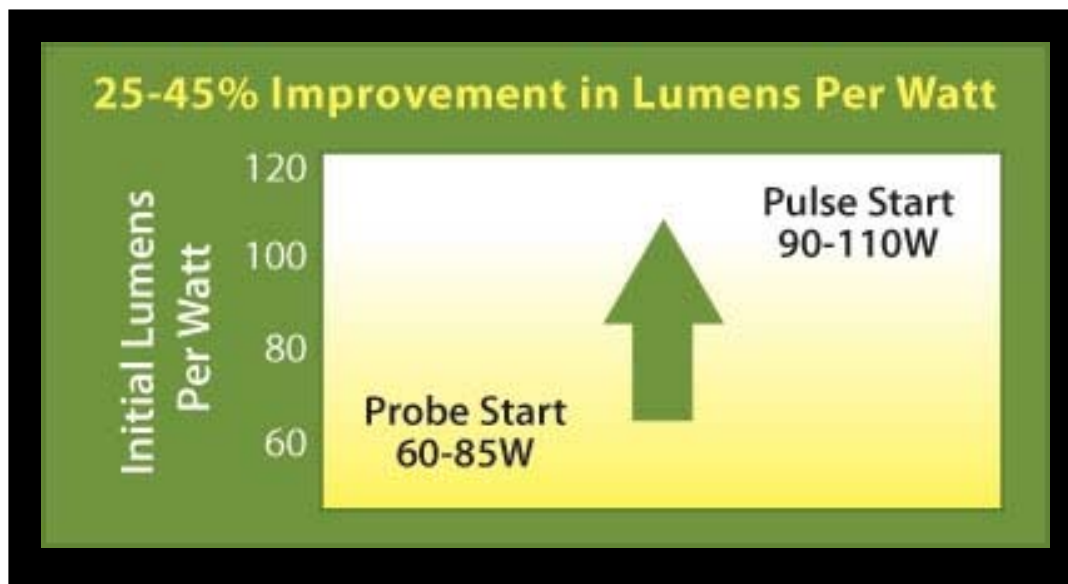




Pulse Start Metal Halide Benefits


COOPER Lighting

Pulse start metal halide systems improve lamp efficacy (lumens per watt) by up to 45%, resulting in more useable light per watt consumed.



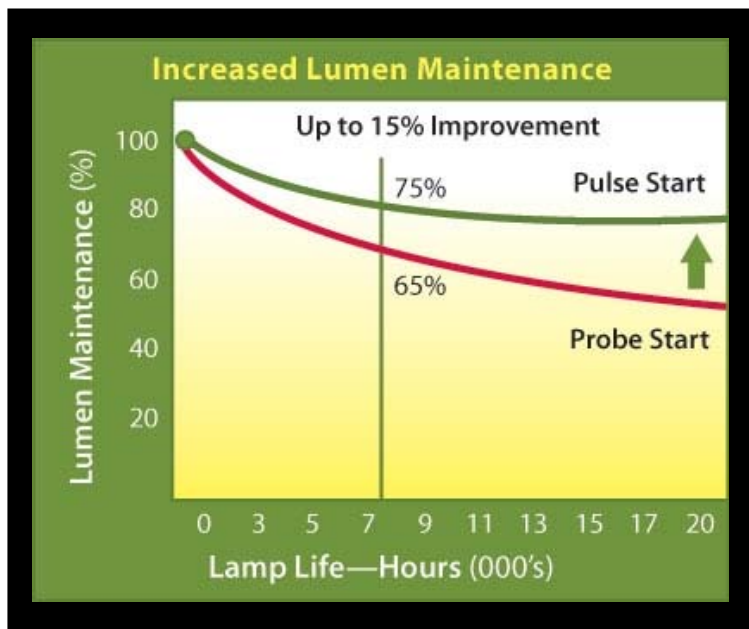
Pulse start metal halide lamps offer substantially higher life ratings – up to 20,000 – 30,000 hours or an improvement of up to 50%.

Probe vs. Pulse Start Metal Halide Benefits		
Features	Probe MH	Pulse MH
Color	White	Brighter White
Efficacy (Lumens per Watt)	60-85	90-110
Lumen Maintenance	65%	70-75%
Lamp Wattages	175-1000	35-1000
Lamp Life (kHrs)	6-16	6-30



Better Lumen Maintenance

With a lumen maintenance rating of up to 75%, pulse start lamps reduce light loss over life by up to 15% when compared to probe start metal halide lamps. Fewer watts per square foot are required to illuminate an area as a result of consistently higher light levels throughout lamp life.



Faster Warm-Up / Quicker Restrike

Warm up time is cut in half to 2 minutes for pulse start systems versus 15 – 20 minutes for probe start. Restrike times after an outage are reduced to 3 to 4 minutes for pulse start lamps.

