SEE THE WORLD IN A NEW LIGHT SYLVANIA

PULSE START TECHNOLOGY

Metalarc® Pulse Start

The advanced arc tube design of SYLVANIA METALARC® PULSE START metal halide lamps makes them superior to standard metal halide probe start lamps. Initial lumen output levels are similar to standard lamps, but mean and maintained lumen levels can be up to 30 percent higher. METALARC PULSE START lamp life can be up to two times the life of standard lamps and these high performance lamps reduce color temperature shift over the life of the lamp by as much as 400K. Other performance enhancements include reaching 90 percent of full light output significantly earlier than standard lamps and reducing hot restrike time by up to 60 percent.

Pulse Start over Probe Start Benefits:

- **Reduced Initial, Operating and Maintenance Costs**
- **Increased Lumen output**
- **Less Lamps Needed to Meet Same Lighting Goals**
- **Longer Lamp life**
- **Reduced Lamp Disposal/Recycle Costs**

Model #	SKU	Desc
SYLM250/PS/U	04613564320	250W Metalarc Pulse Start metal halide lamp, universal direction
SYLMS175/PS/BU	04613564171	175W Metalarc Pulse Start metal halide lamp, universal direction, med base
SYLM175/PS/U	04613564319	175W Metalarc Pulse Start metal halide lamp, universal direction, mogul base
SYLM400/PS/U/BT28	04613564188	400W Metalarc Pulse Start compact quartz metal halide lamp, universal direction, BT28 bulb
SYLM1000/PS/U/BT37	04613564351	1000W Metalarc Pulse Start compact quartz metal halide lamp, universal direction
SYLMS320/BU/PS	04613564507	320W Metalarc Pulse Start quart metal halide lamp, base up or horizontal mount
SYLM400/PS/U/BT37	04613564321	400W Metalarc Pulse Start metal halide lamp, universal direction, BT37 bulb

How to tell the difference between the two.

Lamps.
By looking at an HID lamp, you can easily determine if the lamp is pulse or probe start by whether or not there is a resistor inside the bulb. The probe start lamp contains a resistor inside in order to lower the initial voltage that reaches the lamp. The pulse start lamp does not contain a resistor.

Ballasts.
In order to operate a probe start lamp, a probe start ballast is needed, and the same applies for the pulse start lamp and ballast system. If a probe start lamp is operated on a pulse start ballast the initial voltage will be too much for the lamp to handle and the system will fail. If a pulse start lamp is operated on a probe start ballast the ballast will not provide enough voltage for the lamp to operate. A pulse start ballast contains an igniter that allows the lamp to start much more quickly and without the need for a resistor.

New legislation mandates that Pulse Start will be the ONLY technology of the future, making Probe Start obsolete!

For more details take one of our Pulse Start Take Home Handout!

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