

# PULSE START Lighting

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## Understanding The New Changes in Lighting

As we enter this new age of energy awareness, the lighting industry has been in the forefront finding more and more ways to conserve energy. One of these ways is in the technology and construction of Pulse Start lighting, resulting in significant improvements in both energy savings and performance.

**Retrofitting existing fixtures to house the new Pulse Start lights is strongly discouraged.**

For years, we in the car wash industry have relied on the old Probe Start Metal Halide bulbs, but legislation enacted under President Bush, has begun to put the Probe Start out to pasture as the country moves forward on a new energy efficient path. Lighting companies are no longer permitted to manufacture the old Probe Start light housings we have grown accustomed to. Although bulbs, ballasts and replacement parts for the old lights are still allowed to be made and sold, it is worth our time to look into the new Pulse Start lighting, as these new light fixtures will soon be the only lighting we can purchase for our car washes in the near future.

There are many benefits of the new Pulse Start lights besides just being energy efficient, the new lights also provide a longer bulb life, faster starting time allows lights to come on faster, better cold starting capability and they give more lumens or light with less wattage. For

example, an old 400 watt pulse start fixture can be replaced with a new 350 watt Probe Start and still generate the same amount of lighting. It is important to note that manufacturers strongly discourage owners of old probe start fixtures from trying to retrofit their existing fixtures to house the new Pulse Start lights. The Pulse Start generates an extremely higher initial burst of electricity to ignite the gas in the bulb and the older fixtures do not have the proper wire or socket to handle that amount of energy which could easily result in an electrical fire. They recommend buying a new fixture which is designed to handle the Pulse Start feature.



Old Probe Start		
Watts	Illumination/Lumens	Life Hours
175	9,100	10,000
250	13,500	10,000
400	24,000	20,000
New Pulse Start		
Watts	Illumination/Lumens	Life Hours
150	10,500	15,000
175	11,200	15,000
200	16,800	15,000
250	16,625	15,000
320	21,000	20,000
350	25,200	20,000
400	29,820	20,000

Kleen-Rite carries a large selection of the new Pulse Start lighting fixtures for your lighting needs. Recently several states and local energy companies have been offering rebate programs to small businesses who install Pulse Start lighting in their operations. Check with your state and electricity provider to see if they have a rebate program.