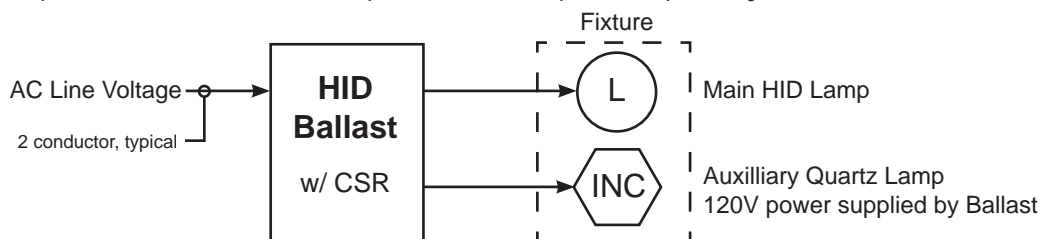


What is Run Down and Restrike?

In a typical single lamp HID system after a momentary loss of power, the HID lamp must go through a cool down or what is more commonly referred to as a 'Run Down' period before the lamp can physically 'Restrike' or restart. This 'Run Down' time can last as long as 15 minutes, which is 15 minutes that the given application is without illumination.

The industry standard solution for temporary lighting during the 'Run Down' and 'Restrike' period is achieved with the use of a secondary quartz standby lamp system combined with a Current Sensing Relay (CSR). This is sometimes referred to as 'Hot Restrike'.

CSR Operation: At initial power-up (cold start) or after a power interruption, whether temporary (brownout) or extended (blackout), the CSR will allow the auxiliary quartz lamp to be energized by the 120V tap from the ballast during the 'Run Down' period. The CSR then powers down the quartz lamp when the main HID lamp arc strikes to provide primary illumination.

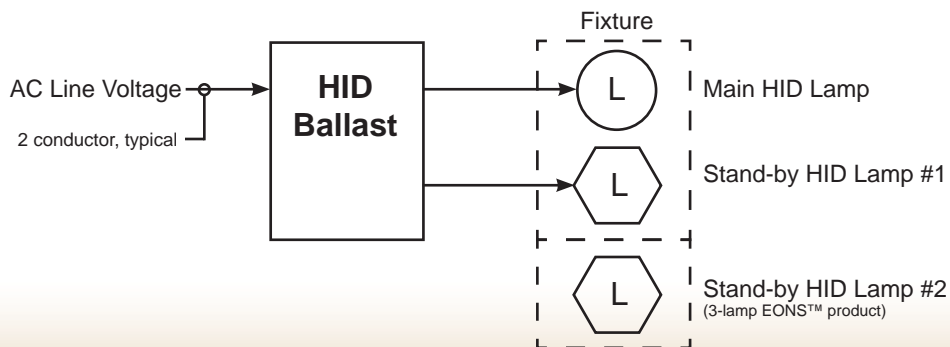


What is the EONS™ Instant HID Restrike (IHR) Solution?

Should a power interruption occur with an EONS™ equipped luminaire, a feature unique to an EONS™ product called Instant HID Restrike (IHR) eliminates the need for a secondary 'Hot Restrike' option to provide temporary lighting during the 'Run Down' period of a traditional HID system.

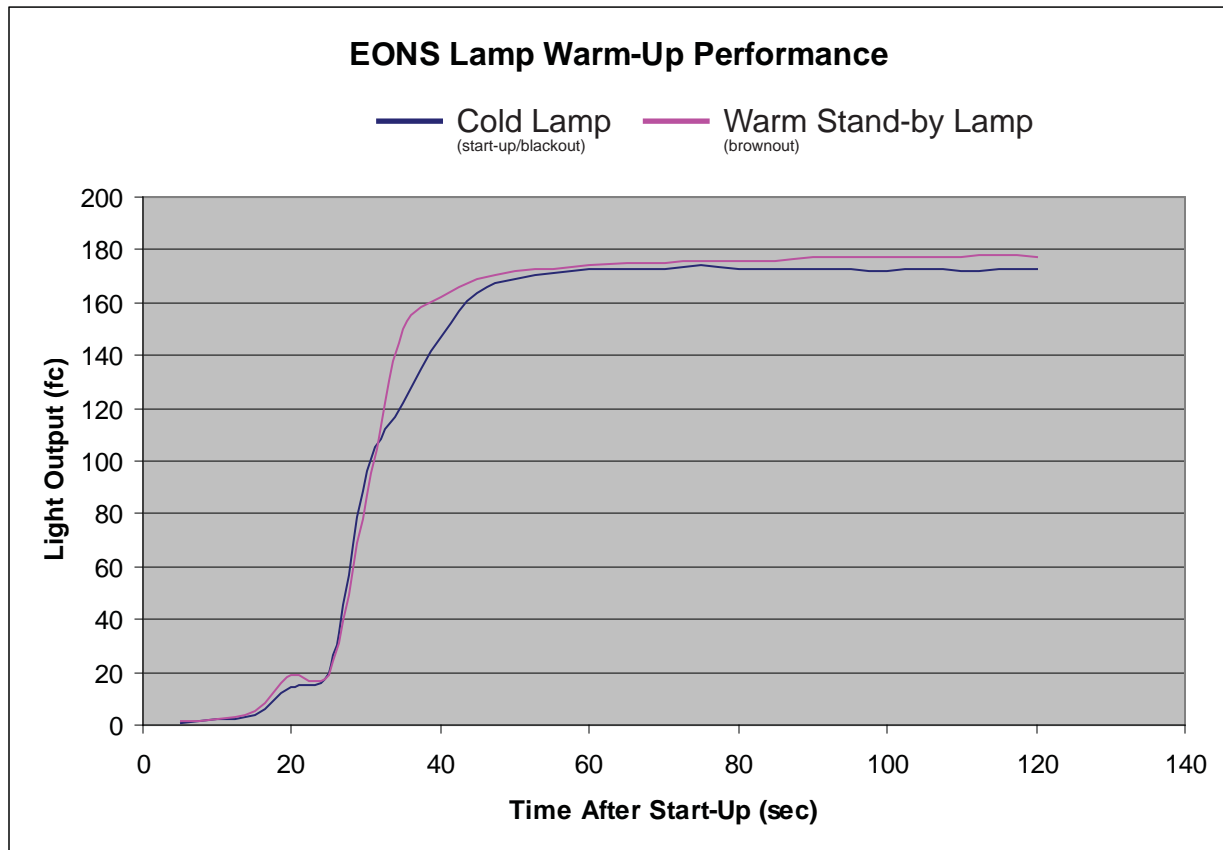
With EONS™, there is a second or third HID lamp on stand-by that is ready to restrike when system power is restored, thus eliminating the 'Run Down' period associated with HID products. Just like the CSR option, the EONS™ circuitry reacts strictly to line current, but eliminates the need for additional equipment.

IHR Operation: At initial power-up (cold start) or after a power interruption, whether temporary (brownout) or extended (blackout), EONS™ will allow an HID lamp that is in stand-by mode to restrike immediately directly from the primary ballast gear.



Instant HID Restrike Performance

EONS™ will 'Restrike' the lamp with the best operating characteristics immediately after power resumes. The chart below shows the light output relative to the time it takes for the stand-by lamp to reach full brightness.



Ballast: Advance 150W PSMH
Lamp: Venture 99584 MH 150W/U/PS

An EONS™ product will provide approximately 10% of full light output within 20 seconds of 'Restrike', 50% in 30 seconds, and 80% in 40 seconds respectively.

Other EONS™ Restrike Options

If a local lighting code requires specific illumination levels during 'Restrike', 'Ramp-up', and/or 'Run Down' that cannot be met with the IHR feature, all EONS™ luminaires can be equipped with Wide-Lite's Litematic Hot/Cold quartz or fluorescent restrike options.

Whether EONS™ Instant HID Restrike or another restrike option is required, Wide-Lite's Sales and Application Engineers are prepared to assist you in the design and specification of your project.