



Product comparison: SmartHID™ vs. SuperHID-400W

SmartHID	SuperHID
Input Protection: <i>Surge Protection</i>	<ul style="list-style-type: none"> • Greater protection against harsh environmental conditions, lightning, strong power line disturbances and variations, etc. ensures low fault rate and result in trouble free installations • Complies with both indoor and outdoor regulation standards: 10KV/2KA & 6KV/3KA IEEE C62.41 cat. C low
Input Protection: <i>(Temporary Over Voltage)</i>	<ul style="list-style-type: none"> • Susceptible to strong power line disturbances and variations, lightning and other harsh environmental conditions • Complies with indoor regulation standards only: 3KV/0.5KA
Output Protection: <i>Capacitive Mode</i>	<ul style="list-style-type: none"> • 400V
Output Protection: <i>Arcing/Short to Ground</i>	<ul style="list-style-type: none"> • Ignition during capacitive mode causes ballast to fail
Remote Installation: <i>Cables</i>	<ul style="list-style-type: none"> • Ignition of a lamp can sometimes cause a capacitive mode of operation (hard switching). This can also occur if ignition is initiated during remote installation using high capacitive cables. In this state, the ballast is fully protected.
Improved Ignition:	<ul style="list-style-type: none"> • Arcing or shorting will cause the ballast to fail
Dimming: <i>Depth</i>	<ul style="list-style-type: none"> • Standard maximum distance between ballast and lamp as recommended by Metrolight is 15m (50ft). • Ballast has capability for greater distance if required
Auto Dimming: <i>Dimming Software</i>	<ul style="list-style-type: none"> • Very limited coverage of lamps
Reliability:	<ul style="list-style-type: none"> • Standard dimming • No dimming below 90W
Lamps Supported:	<ul style="list-style-type: none"> • Does not require additional software • Requires special dedicated software
	<ul style="list-style-type: none"> • New software resulting in significant decrease in software bugs • New patented topologies for ballast input & output protections described above • Improved design for manufacturing resulting in improved quality of the product
	<ul style="list-style-type: none"> • Standard
	<ul style="list-style-type: none"> • Limited to 250-450W lamps only
	<ul style="list-style-type: none"> • Wider variety of lamps supported: 100-400W HPS; 175-450W MH