#### **GE HID Ballast Ordering Information**

#### Pulse Start Ballasts for Quartz and Ceramic Metal Halide

PC	Description	Applications	Α	В	Frame Size
67335	GEP175MLTAA3-5/2	1-175W PS m137 OR m 152 Quad (120/208/240/277V)	2.6	3.9	3.94 x 2.8
78525	GEP175TRIAC3-5	1-175W PS M137 Tri Tap (120/277/347V)	2.17	3.62	3.94 x 2.8
67334	GEP17548TAA3-5/2	1-175W PS M137 or M152 480V (120/480V)	2.6	3.9	3.94 x 2.8
63419	GEP200MLTAEE4D-5	1-200W PS M136 Quad (120/208/240/277V) EISA	1.97	3.68	4.75 x 4.25
78526	GEP200TRIAC3-5	1-200W PS M136 Tri-Tap (120/277/347V)	2.48	3.94	3.94 x 2.8
63421	GEP250ML5AEE4-5	1-250W PS M138 or M153 5-Tap (120/208/240/277/480V) EISA	2.18	4.3	4.75 x 4.25
67344	GEP250MLTAA4-5/2	1-250W PS M138 or M153 Quad (120/208/240/277V)	1.77	3.5	4.75 x 4.25
63082	GEP250MLTAEE4-5	1-250W PS M138 or M153 Quad (120/208/240/277) EISA	2.18	4.4	4.75 x 4.25
78527	GEPTRIAC4-5	1-250W PS M138 Tri-Tap (120/277/347V)	1.5	3.23	4.75 x 4.25
67336	GEP25048TAA4-5/2	1- 250w PS M138 or M153 480V (480V)	1.77	3.5	4.75 x 4.25
63081	GEP25048TAEE4-5	1-250W PS M138 or M153 480 EISA	2.18	4.3	4.75 x 4.25
63423	GEP320ML5AEE4-5	1-320W PS M132 or M154 5-Tap (120/208/240/277/480V) EISA	2.19	4.3	4.75 x 4.25
67345	GEP320MLTAA4-5/2	1-320W PS M132 or M154 Quad (120/208/240/277V)	1.9	3.6	4.75 x 4.25
63084	GEP320MLTAEE4-5	1-320W PS M132 or 154 Quad (120/208/240/277V) EISA	2.19	4.2	4.75 x 4.25
78528	GEP320TRIAC4-5	1-320W PS M132 Tri Tap (120/277/347V)	1.77	3.5	4.75 x 4.25
67342	GEP32048TAA4-5/2	1-320W PS M132 480V	2.2	3.9	4.75 x 4.25
63083	GEP32048TAEE4-5	1-320W PS M132 or M154 480 EISA	2.19	4.2	4.75 x 4.25
63425	GEP350ML5AEE4-5	1-350W PS M131 5-Tap (120/208/240/277/480V) EISA	2.36	4.45	4.75 x 4.25
67346	GEP350MLTAA4-5/2	1-350W PS M131 Quad (120/208/240/277V)	1.9	3.6	4.75 x 4.25
63085	GEP350MLTAEE4-5	1-350W PS M131 Quad (120/208/240/277V) EISA	2.32	4.4	4.75 x 4.25
78529	GEP350TRIAC4-5	1-350W PS M131 Tri Tap (120/277/347V)	1.77	3.5	4.75 x 4.25
63424	GEP35048TAEE4-5	1-350W PS M131 480 EISA	2.32	4.4	4.75 x 4.25
63426	GEP400ML5AEE4-5	1-400W PS M135 or M155 5-Tap (120/208/240/277/480V) EISA	2.32	4.25	4.75 x 4.25
67347	GEP400MLTAA4-5/2	1-400W PS M131 or M155 Quad (120/208/240/277V)	2.2	3.9	4.75 x 4.25
63088	GEP400MLTAEE4-5	1-400W PS M135 or M155 Quad (120/208/240/277V) EISA	2.32	4.2	4.75 x 4.25
78530	GEP400TRIAC4-5	1-400W PS 135 Tri Tap (120/277/347V)	2.05	3.7	4.75 x 4.25
63087	GEP400TRIAEE4-5	1-400W PS M135 or M155 Tri Tap (120/277/347V) EISA	2.32	4.2	4.75 x 4.25
67341	GEP40048TAA4-5/2	1-400W PS 135 or M155 480V	2.2	3.9	4.75 x 4.25
63086	GEP40048TAEE4-5	1-400W PS M135 or M155 480 EISA	2.32	4.25	4.75 x 4.25
67350	GEP750MLTAA5-5/2	1-750W PS M149 Quad (120/208/240/277V)	3	5.1	6 x 4.25
78531	GEP750TRIAC4-5	1-750W PS M149 Tri-Tap (120/277/347V)	2.8	4.5	6 x 4.25
67343	GEP75048TAA5-5/2	1-750W PS M149 480V	3	5.1	6 x 4.25
72282	GEP1000ML5AA5-5/2	1-1000W PS M141 5 Tap( (120/208/240/277/480V)	3.25	5.4	6 x 4.25
72281	GEP1000MLTAA5-5/2	1-1000W PS M141 Quad (120/208/240/277V)	3.05	5.2	6 x 4.25
78532	GEP1000TRIAC5-5	1-1000W PS M141 Tri Tap (120/277/347V)	2.8	4.5	6 x 4.25



Information provided is subject to change without notice. Please verify all details with GE. All values are design or typical values when measured under laboratory conditions, and GE makes no warranty or guarantee, express or implied, that such performance will be obtained under end-use conditions.

For additional product and application information, please consult GE's Website: www.gelighting.com

GE Lighting



## **GE HID Ballasts**



Versatile options for QMH, Ceramic Metal Halide® and HPS Lamps





#### **GE Lighting's High Intensity** Discharge ballasts

operate a vast array of High Pressure Sodium, Quartz Metal Halide, and Ceramic Metal Halide HID lamps in the market today.

HID lamps are similar to fluorescent lamps in that they are gas discharge lamps. The arc tube, made from Quartz glass or ceramic materials is located within the 'jacket' of the lamp and contains electrodes at either end of the tube. The arc tube generates light when the electrodes at either end of the tube initiate an electrical arc. This excites the pressurized sodium or metal halide gasses causing them to emit light. Like fluorescent lamps, HID lamps require a ballast to operate. The primary role of the ballast is to supply the correct starting and operating voltage to initiate the arc, and to regulate current and voltage to sustain the arc once illuminated.



#### **Lamp Operation**

Gas discharge lamps have a negative resistance characteristic, which causes them to draw increasing amounts of current and can result in immediate lamp failure if operated directly from the main power line. It is the purpose of the ballast to prevent this by limiting current provided to the lamp for smooth and consistent operation.

The ratio of light output produced by a lamp operating on a ballast vs. the lamp's rated life output is referred to as the 'Ballast Factor'. All GE HID ballasts have a ballast factor of 1.0, providing full luminance. When ignited HID lamps take time to warm-up and reach full luminance. Any interruption of input power or a sudden voltage drop may cause the arc to extinguish. Hot HID lamps will not restrike immediately. Prior to restrike, the arc tube must cool enough to reduce the vapor pressure within the tube to a point where the arc will be able to reestablish itself. The typical warm up and restrike times of HID lamps are below.

Light Source	Warm-Up Time	Restrike Time
Metal Halide	4-5	10-20
(Probe Start)	minutes	minutes
Metal Halide	2	3-4
(Pulse Start)	minutes	minutes
High Pressure	3-4	1/2-1
Sodium	minutes	minute
Low Pressure Sodium	7-10 minutes	3-12 seconds

#### **Input Voltages**

HID lighting in the United States takes power at one of five voltages; 120,208, 240, 277, or 480V. While 120/277V are the most common in the United States because of the ready availability of power sources at these voltages, 208 and 240V are often utilized because of the heavier loads and longer runs associated with HID lighting (large malls, factories, parking lots).

In order to accommodate all of these different voltage inputs, GE lighting offers ballasts with multiple input voltage taps. Ballasts are available in:

5-Tap (120/208/240/277/480V) Quad Tap (120/208/240/277V)

(120/277/347V) (for the Canadian Market) Tri-Tap 480V

(480/with 120 Aux Tap)

Not all ballasts wattages are available in all configurations.

#### **GE HID Ballast Ordering Information**

#### **eHID**

GE Product Code	Description	Description	Watts	L	w	Н	Weight (oz.)	Application
63042	GEMH20-MSJ-MV	1- 20W M/C156 (120/277V) eHID Bottom Leads w/Studs	24	3.27	2.99	1.56	18	Recessed Can
63043	GEMH20-MSF-MV	1- 20W M/C156 (120/277V) eHID w/ Side Leads and feet	24	3.35	3.10	1.20	16	Track/Can
87490	GEMH20-MLF-20	1-20W M/C156 (120V) side exit w/ feet	23	3.70	1.60	1.00	6	Track
74115	GEMH20-MC-120	1-20W M/C156 (120V) side exit	23	3.00	1.30	1.10	6	Track
63044	GEMH39-MSJ-MV	1- 39W M/C130 (120/277V) eHID Bottom Leads w/Studs	44	3.35	3.10	1.20	16	Recessed Can
63045	GEMH39-MSF-MV	1- 39W M/C130 (120/277V) eHID Side Leads w/ feet	44	3.35	3.10	1.20	16	Track/Can
87501	GEMH39-MSF-120	1-39W M/C130 (120V) feet side exit.	43	3.70	3.00	1.20	6	Track
74116	GEMH39-MC-120	1-39W M/C130 (120V) side exit	43	3.00	1.30	1.10	6	Track
75378	GEMH39-MCM-120	1-39W M/C130 (120V) side exit Metal Can	43	3.50	1.30	1.20	6	Track
87546	GEMH70-SLJ-MV	1-70W M98, M/C143 (120V) Studs/ Bottom leads	77	7.30	2.60	2.20	4	Recessed Can
87531	GEMH70-MSF-120	1-70W M98, M/C143 (120V) feet side exit	77	3.70	3.00	1.20	4	Recessed Can
87561	GEMH100-SLJ-MV	1-100W M90, M/C140 (120/277V) Studs/Bottom leads	107	7.30	2.60	2.20	4	Recessed Can
87576	GEMH150-SLJ-MV	1-150W M102, M/C142 (120/277V) Studs/Bottom leads	164	7.30	2.60	2.20	4	Recessed Can
29377	GEMH250-400-MA	1- 250 to 400W M155, M135, M154, M132 (208/240/277V) UltraMax ® eHID	343-431	14.90	14.90	9.30	163	High Bay
89646	GEMH250-400M-V5	1-250 to 400W M155, M135, M154, M132 (208/240/277V) UltraMax ® eHID, 50% Dimming	343-431	14.90	14.90	9.30	163	High Bay

#### **Metal Halide**

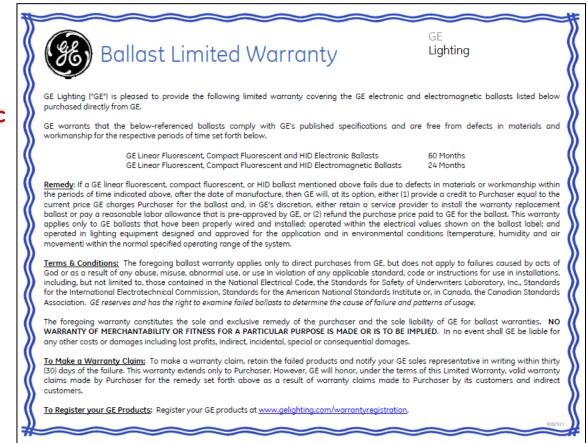
PC	Description	Application	В	Α	Framesize
86824	GEM50MLTLC3D-5	1-50w MH M110 or M148 Quad (120/208/240/277V)	1.1	2	3.9 x 2.8
63073	GEM50MLTLA3D-5	1-50w MH M110 or M148 Quad (120/208/240/277V)	2.1	2.48	3.9 x 2.8
86847	GEM70MLTLA3D-5	1-70w MH M98 or M143 Quad (120/208/240/277V)	1.46	2.9	3.9 x 2.8
78517	GEM70TRILC3-5	1-70w MH M143 Tri Tap (120277/347V)	1.5	2.95	3.9 x 2.8
67337	GEM7048TLA3D-5/2	1-70w MH M143 480V	1.5	2.6	3.9 x 2.8
86675	GEM100MLTLA3D-5	1-100w MH M90 or M140 Quad (120/208/240/277V)	1.57	2.95	3.9 x 2.8
78519	GEM100MTRILC3-5	1-100w MH M140 Tri Tap (120/277/347V)	1.61	3.07	3.9 x 2.8
67333	GEM10048TLA3D-5/2	1-100w MH M140 480V	1.6	2.8	3.9 x 2.8
86718	GEM150MLTLA3D-5	1-150w MH M102 or M142 Quad (120/208/240/277V)	2.28	3.8	3.9 x 2.8
78520	GEM150TRILC3-5	1-150w MH M102 Tri Tap (120/277/347V)	2.17	3.62	3.9 x 2.8
86711	GEM15048TLC3D-5	1-150w MH M102 or M142 480V	2.3	3.9	3.9 x 2.8
87210	GEM175ML5AC3-5	1-175w MH M57 or H39 5-Tap (120/208/240/277/480V)	3	4	3.9 x 2.8
63078	GEM175ML5AA3-5	1-175w MH M57 or H39 5-Tap (120/208/240/277/480V)	2.44	4.1	3.9 x 2.8
86741	GEM175MLTAA3-5	1-175w MH M57 or H39 Quad (120/208/240/277V)	2.44	3.8	3.9 x 2.8
78521	GEM175TRIAC3-5	1-175w MH M57 Tri Tap (120/277/347V)	2.17	3.62	3.9 x 2.8
87212	GEM250ML5AA4-5	1-250w MH M58 or H37 5-Tap (120/208/240/277/480V) Large Frame	1.85	3.6	4.75 x 4.25
86765	GEM250MLTAC3-5	1-250w MH M58 or H37 Quad (120/208/240/277V)	2.4	4	3.9 x 2.8
63077	GEM250MLTAA3-5	1-250w MH M58 or H37 Quad (120/208/240/277V)	3.15	4.5	3.9 x 2.8
78522	GEM250TRIAC4-5	1-250w MH M58 Tri Tap (120/277/347V)	2.17	3.62	4.75 x 4.25
87212	GEM250ML5AA4-5	1-250w MH M58 or H37 5-Tap (120/208/240/277/480V)	1.8	3.6	4.75 x 4.25
72300	GEM400ML5AA4-5/2	1-400w MH M59 or H33 5-Tap (120/208/240/277/480V)	2.2	3.9	4.75 x 4.25
87008	GEM400MLTAA4-5/2	1-400w MH M59 or H33 Quad (120/208/240/277/)	2.2	3.9	4.75 x 4.25
78523	GEM400TRIAC4-5	1-400w MH M59 Tri Tap (120/277/347V)	2.17	4.06	4.75 x 4.25
63070	GEM40048TAA4-5/2	1-400w MH M59 or H33 480	2.2	3.9	4.75 x 4.25
63069	GEM100048TAA5-5	1-1000w MH M47 or H36 480	3.25	5.2	6 x 4.25
87213	GEM1000ML5CA5-5/2	1-1000w MH M47 or H36 5-Tap (120/208/240/277/480V)	3.5	5.6	6 x 4.25
86655	GEM1000MLTAA5-5/2	1-1000W MH M47 or H36 Quad (120/208/240/277V)	3.1	5.3	6 x 4.25
78524	GEM1000TRIAC5-5	1-1000w MH M47 Tri Tap (120/277/347V)	2.96	4.92	6 x 4.25
86693	GEM150048TAC5M5-5	1-1500w MH M48 480V	4	6	6 x 4.25
86698	GEM1500MLTAC5-5	1-1500w MH M48 Quad (120/208/240/277V)	4	6	6 x 4.25

#### **High Pressure Sodium**

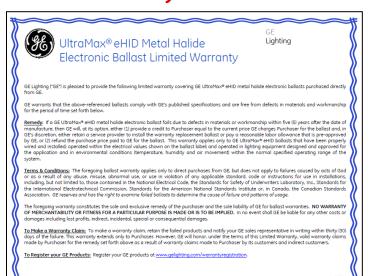
PC	Description	Application	Α	В	Frame Size
87152	GES50MLTLA3D-5	1-50w HPS S68 Quad (120/208/240/277V)	1	3	3.9 x 2.8
78533	GES50TRILC-5	1-50W HPS S68 Tri Tap (120/277/347V)	1.02	2.48	3.9 x 2.8
86587	GES70MLTLA3D-5	1-70w HPS S62 Quad (120/208/240/277V)	2	3	3.9 x 2.8
78534	GES70TRILC3-5	1-70w HPS S62 Tri Tap (120/277/347V)	1.5	2.95	3.9 x 2.8
67340	GES7048TLA3D-5/2	1-70w HPS S62 480V	1.9	3	3.9 x 2.8
87074	GES100MLTLA3D-5	1-100w HPS S54 Quad (120/208/240/277V)	2	4	3.9 x 2.8
78535	GES100TRILC3-5	1-100w HPS S54 Tri-Tap (120/277/347V)	2	3.47	3.9 x 2.8
67338	GES10048TLA3D-5/2	1-100w HPS S54 480V	2	3.1	3.9 x 2.8
87094	GES150MLTLA3D-5	1-150w HPS S55 Quad (120/208/240/277V)	3	4	3.9 x 2.8
78536	GES150TRILC3-5	1-150w HPS S55 Tri Tap (120/277/347V)	2.48	4.94	3.9 x 2.8
67339	GES15048TLA3D-5/2	1-150w HPS S55 480V	2.65	4	3.9 x 2.8
87121	GES250MLTAA4-5	1-250w HPS S50 Quad (120/208/240/277V)	2	4	4.75 x 4.25
87214	GES250ML5AA4-5	1-250w HPS S50 5-Tap (120/208/240/277/480V)	2	4	4.75 x 4.25
78537	GES250TRIAC4-5	1-250w HPS S50 Tri Tap (120/277/347V)	1.62	3.5	4.75 x 4.25
87215	GES400ML5AC4-5	1-400w HPS S51 5-Tap (120/208/240/277/480V)	2.3	4.4	4.75 x 4.25
63066	GES400ML5AA4-5	1-400w HPS S51 5-Tap (120/208/240/277/480V)	2.56	4.7	4.75 x 4.25
87198	GES40048TAA4-5	1-400w HPS S51 480V in smaller frame	3.8	6	4.75 x 4.25
87164	GES400MLTAA4-5	1-400w HPS S51 Quad (120/208/240/277V)	2.3	4.4	4.75 x 4.25
78539	GES400TRIAC4-5	1-400w HPS S51 Tri-Tap (120/277/347V)	2.33	4.21	4.75 x 4.25
87218	GES1000ML5AA5-5	1-1000w HPS S52 5-Tap (120/208/240/277/480V)	4	6	6 x 4.25
67351	GES100048TAA5-5/2	1-1000w HPS S52 480V	4.5	6.6	6 x 4.25
67352	GES1000MLTAA5-5/2	1-1000w HPS S52 Quad (120/208/240/277V)	4.5	6.6	6 x 4.25
78540	GES1000TRIAC5-5	1-1000w HPS S52 Tri Tap (120/277/347V)	3.74	5.71	6 x 4.25

# Ballast Limited Warranty for HID Electronic and HID Electromagnetic Ballasts

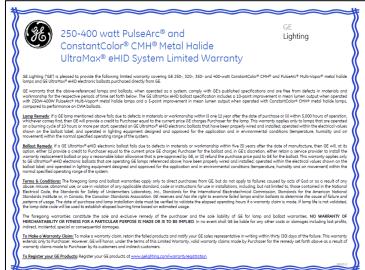
Learn about our product warranties below and how GE supports you by efficiently addressing warranty issues that may arise



#### PulseArc® and CMH® Ceramic Metal Halide UltraMax® eHID System Limited Warranty



#### UltraMax® eHID Metal Halide Electronic Ballast Limited Warranty



Contact your GE Representative for specific limited warranty details.

#### **HID Ballast Family\***

	Core & Coil	eHID	F-Can
Probe Start QMH	GEM-Probe Start Quartz Metal Halide Core & Coil: 175, 200, 250, 320, 350, 400, 750, 1000, 1500 Watts Voltages: 5-Tap, Quad, Tri Tap, 480 V*	N/A	N/A
Pulse Start QMH  Pulse Start CMH®	GEM-Pulse Start Quartz Metal Halide Core & Coil: 50, 70, 100, 150 Watts Voltages: 5-Tap, Quad, Tri Tap, 480 V*  GEP-Pulse Start Ceramic Metal Halide Core & Coil: 175, 200, 250, 320, 350, 400, 750, 1000 Watts <175W; same as Pulse Start MH options -GEM prefix Voltages: 5-Tap, Quad, Tri Tap, 480 V*	UltraMax® eHID Ballast  Structures available in: Mini Square J- or F-Can: 20, 39 Watts Voltages: 120/277 Micro Square: 20, 39 Watts Voltage: 120 Slim Line: 70, 100, 150 Watts Voltages: 120/277 Multi Watt: 250, 320, 350, 400 Watts Voltages: 208/240/277 Multi Watt Dimming to 50%: 250, 320, 350, 400 Watts Voltages: 208/240/277	GEM F-Can F-Can: 50, 70, 100, 150, 175, 250, 400 Watts Voltages: 120/277
Pulse Start HPS	GES-High Pressure Sodium Core & Coil: 50, 70, 100, 150, 250, 400, 1000 Watts Voltages: 5-Tap, Quad, Tri Tap, 480 V*	N/A	GES F-Can F-Can: 70, 150 Watts Voltages: 120/277
Applications	Industrial/Commercial - Factory, Refinery, Auto Showroom Outdoor Area Lighting - Parking Lot, Roadway, Municipalities, monuments, civic spaces, parks Sports & Stadium Lighting	Educational/Institutional - Libraries, Classrooms, Large Auditoriums, Museums Commercial - Retail, Galleries, Offices, Restaurants Outdoor - Monument Lighting, Building Spot Lighting	Industrial/Commercial - Factory, Refinery Horticultural - Greenhouse, nursery Outdoor Area Lighting - Parking Lot, Roadway, Municipalities, monuments, civic spaces, parks

#### UltraMax® eHID Ballast



#### CMH® & Pulse Start QMH

Micro	Mini with Feet	Mini Square MSJ	Mini Square MSF Slim Line		UltraMax Variable Wattage
Track Lighting	Track/accent lighting	Recessed Can	Track Lighting	Track, Recessed Can	Hi-Bay
20W 39W (120V)	20W (120V)	20W 39W (120/277)	20W 39W (120/277)	70W 100W 150W (120/277)	250, 300, 320, 350, or 400W (208/240/277)

#### **eHID Electronic HID**

Electronic HID, like electronic fluorescent systems, significantly improves the performance of HID lighting. Electronic UltraMax® eHID ballasts use solid-state components to start and operate HID pulse start and ceramic metal halide lamps, allowing the following benefits when compared to alternative magnetic core and coil ballasts:

- Improved efficiency vs. magnetic ballast
- Maintain higher lumens
- Enhanced color control
- Operate more quietly
- Variable dimming to 50% power reduction

#### Features:

- Operates lamps utilizing a low frequency square wave maximizing lamp performance.
- One GE high-wattage eHID ballast will operate either 250, 300, 320, 350, or 400 watt single pulse start CMH<sup>®</sup> lamp





#### **Electromagnetic HID Ballast**

#### Core & Coil

The typical electromagnetic ballast is the exposed core & coil ballast, which is commonly used as a component in HID luminaires. This type of ballast is called a core and coil because it consists of one or two copper coils on a 'core' of high-grade electrical steel laminations which are welded together. The ballast is then vacuum impregnated with a specialized varnish chosen for its electrical, thermal, and sound attenuating properties. All GE Core & Coil ballasts have a UL Class H thermal rating (180°C).

## Core and Coil Probe Start OMH

#### **Probe Start**

Quartz Metal Halide lamps between the wattages of 175W and 1500W utilize an additional electrode, or probe, at one end of the arc tube to facilitate lamp ignition. Probe Start fixtures rely on the Open Circuit voltage to initiate the arc.

## Core and Coil Pulse Start QMH or CMH®

#### **Pulse Start**

Metal Halide lamps 150W and below utilize Pulse Start technology. Additionally, newer Ceramic Metal Halide Lamps require Pulse Start technology to ignite properly. Quartz Metal Halide Lamps 150W and less also require the use of an igniter to provide a high voltage initial 'pulse' to ignite the lamp. In QMH applications, once the initial arc is established the igniter stops pulsing and the lamps 'warm' up to full lumen output. Metal Halide lamps 150W and below utilize Pulse Start technology.

### Core and Coil Pulse Start HPS

#### **Pulse Start**

High Pressure Sodium (HPS) lamps utilize Pulse Start technology. HPS lamps have no starting electrodes; rather, they utilize an igniter to induce a high voltage initial starting 'pulse' (3-5kV) across the main electrodes in the lamp. All HPS Lamps require pulse start ignition. In HPS applications, once the initial arc is established the igniter stops pulsing and the lamps 'warm' up to full lumen output.

#### F-Can

Fluorescent Can or F-Can ballasts are traditional core and coil ballasts enclosed within a can typically utilized for magnetic fluorescent or electronic fluorescent ballasts. The reduced noise levels of F-Can ballasts make them perfect for commercial and institutional applications like; retail stores, grocery stores, offices, schools, and hospitals.

#### Features:

- The fully enclosed and potted core and coil assembly significantly reduces noise
- Simplifies mounting and enhances thermal properties
- Available in pulse and probe start MH and HPS with dual voltage configuration of 120/277V
- Thermal protection which cuts off the power to the ballast in the event of system overheating.

#### F Can - QMH

#### Probe Star

F-Cans for QMH house a traditional, probe start metal halide ballast in the convenient format of a fluorescent or F-Can. Providing superior thermal properties and sound attenuation, the enclosed and potted F-Can is ideal for interior environments requiring quiet operation.



#### F Can - HPS

#### Pulse Star

High Pressure Sodium F-Cans function the exact same way as a typical core & coil pulse start ballast. All of the necessary components of an HPS Pulse Start ballast like capacitors and ignitors are housed within the fluorescent can.

## The Power Behind the Power

All GE HID ballasts are custom-manufactured to our demanding Six Sigma specifications for dependable performance.

GE offers several warranties for our HID product offering, including the UltraMax® Total Performance System Warranty. This warranty guarantees performance when used with GEPulseArc® Multi-Vapor® MH or GE ConstantColor® CMH® lamps.

Contact your GE Representative for specific warranty details.



## Express System Limited Warranty Brochure

## GE Lamps Express Limited Warranty Services

GE lamps operating in our linear and compact fluorescent and HID systems are backed with valuable advantages including\*:

- Toll-free dedicated technical support at 1-800-GELAMPS
- High priority shipping status for limited warranty replacement

Express Lamp & Ballast Warranty Service by GE
The direct route to solutions and results

imagination at work

**Brochure Order Code: 73333** 

- · Online technical and limited warranty information
- Automatic claim tracking (account holders only)
- \* Non-account holders: Contact your local distributor for personal attention to warranty and service needs.

GE

www.gelighting.com/warranty