

1-800-GRAINGER (472-4643)

Preheat-Start Magnetic Fluorescent Ballast

PHILIPS
ADVANCE

Preheat-start magnetic fluorescent ballasts take a few seconds to turn on light bulbs. These ballasts have a longer lifespan and are less damaging to bulbs than trigger-start ballasts.



6V834

| Input Voltage | Max. Bulb Watts | Input Watts | Ballast Factor | Number of Bulbs Supported | Number of Lamps per Ballast | | | Mfr. Model | Item No. |
|------------------------|-----------------|-------------|----------------|---------------------------|-----------------------------|------|------|------------|----------|
| | | | | | F4T5 | F6T5 | F8T5 | | |
| T5, T9, T12 120V AC | 8 W | 11W | 1.08 | 1 | 1 | 1 | 1 | LC-4-9-C | 6V834 |

Sign Ballasts

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Sign ballasts provide power to light up T8HO or T12HO high-output light bulbs used in indoor and outdoor signs. They withstand cold temperatures, rain, and other harsh weather. These ballasts are designed power specific quantities and lengths of bulbs. When one bulb in the circuit fails, the other bulbs will stay lit so the burnt-out bulb can be quickly identified and replaced.



35XR86

| Voltage | Input Watts | Number of Bulbs Supported | Min. Total Bulb Footage | Max. Total Lamp Footage | Min. Start Temp. | Series | Mfr. Model | Item No. |
|-------------|-------------|---------------------------|-------------------------|-------------------------|------------------|---------|---------------|----------|
| 120/277V AC | 136 W | 2 | 2 ft | 16 ft | -20°F | SignPRO | ISB-0216-12-E | 35XR86 |
| 120/277V AC | 273 W | 4 | 4 ft | 32 ft | -20°F | SignPRO | ISB-0432-14-E | 35XR87 |
| 120/277V AC | 348 W | 4 | 10 ft | 40 ft | -20°F | SignPRO | ISB-1040-14-E | 35XR88 |
| 120/277V AC | 415 W | 4, 5, 6 | 8 ft | 48 ft | -20°F | SignPRO | ISB-0848-46-E | 35XR89 |



4D241

HUBBELL
Wiring Devices-Kellems

Fluorescent Starters

2-pin ceramic condensers. UL Listed. CSA Certified.

| Ballast Lamp Watts | Max. Replacement For | Mfr. Model | Item No. |
|--------------------|----------------------|------------|----------|
| 8 | FS-5 | FS5 | 4D244 |
| 25 | FS-25 | FS25 | 4D241 |
| 40 | FS-4 | FS4 | 4D242 |

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Electronic HID Ballasts

Electronic HID ballasts are more energy-efficient and less damaging to HID bulbs than other types of HID ballasts, and they provide accurate power regulation for consistent light output and light quality across the life of the bulbs. They also tend to be smaller and weigh less than other styles of HID ballasts. For use with metal-halide HID bulbs.



4HGJ6

| Input Voltage | Max. Bulb Watts | ANSI Code | Ballast Start Type | Operating Amps @ 120V | Operating Amps @ 277V | Side Exit Leads w/Mounting Feet Mfr. Model | Item No. | Bottom Exit Leads w/Mounting Studs Mfr. Model | Item No. |
|----------------------------------|-----------------|----------------------|--------------------|-----------------------|-----------------------|--|----------|---|----------|
| Advance e-Vision(TM) | | | | | | | | | |
| 120 to 277V AC | 20 W | C156/M156 | Pulse | 0.2 A | 9 A | — | — | IMH-G20-G-BLS | 30PL08 |
| 120V AC | 22 W | C175 | Pulse | 0.23 A | — | RMH-20-K-LF | 30PL01 | RMH-20-K-BLS | 30PL09 |
| 120/277V AC | 39 W | C130/M130 | Pulse | 0.37 A | 0.17 A | IMH-39-G-LF | 4HG8 | IMH-39-G-BLS | 4HG9 |
| 120/277VAC | 50 W | C193, M110 | Pulse | 0.48 A | 0.22 A | IMH50GLFM | 60UM02 | — | — |
| 120 to 277V AC | 70 W | C98/M98/C139/M139/M1 | Pulse | 0.68 A | 0.29 A | IMH-70-E-LF | 30PL06 | — | — |
| | 70 W | C98/M98/C139/M139/M1 | Pulse | 0.66 A | 0.28 A | IMH-70-G-LF | 4HGJ6 | IMH-70-G-BLS | 4HGJ7 |
| 120/277V AC | 70 W | C98/M98/C139/M139/M1 | Pulse | 0.66 A | 0.28 A | IMH-70-D-LF | 4HGJ9 | IMH-70-D-BLS | 4HGK1 |
| | 100 W | C90/M90/M140/C191 | Pulse | 0.92 A | 0.4 A | IMH-100-D-LF | 4HGK3 | IMH-100-D-BLS | 4HGK4 |
| | 150 W | C102/M102/C142/M142 | Pulse | 1.4 A | 0.6 A | IMH-150-H-LF | 4HGK6 | IMH-150-H-BLS | 4HGK7 |
| Current Ultramax(TM) eHID | | | | | | | | | |
| 120V AC | 20 W | M156 | Pulse | 0.36 A | — | — | — | GEMH20-MLF-120 | 2TNU7 |



Ballast Discriminator

Handheld device confirms ballast type when pointed at a light fixture, the device turns green if the fixture is powered by an electronic ballast, and it turns orange if the fixture is powered by a magnetic ballast.

| Mfr. Model | Item No. |
|------------|----------|
| BD1 | 6DXD6 |

Indoor Quiet HID Ballasts

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The inside of the housing on these HID ballasts is insulated to eliminate or greatly reduce the hum generated by HID ballasts. Also known as F-can ballasts, they are used in HID light fixtures in indoor areas where noise must be minimized.

| Input Voltage | Max. Bulb Watts | ANSI Code | Ballast Start Type | Operating Amps @ 120V | Operating Amps @ 277V | Brand | Mfr. Model | Item No. |
|--|-----------------|-----------|--------------------|-----------------------|-----------------------|---------|----------------|----------|
| For Use With High Pressure Sodium HID Bulbs | | | | | | | | |
| 120/277V AC | 70 W | S62 | Pulse | 0.82 A | 0.36 A | Advance | 72C7984-NP-001 | 6V769 |
| For Use With Metal Halide HID Bulbs | | | | | | | | |
| 120/277V AC | 400 W | M59 | Probe | 3.9 A | 1.7 A | Advance | 72C6082-NP-001 | 1N109 |
| 120/277V AC | 100 W | M90/M140 | Pulse | 1.1 A | 0.48 A | Advance | 72C5381-NP-001 | 3V564 |
| 120/277V AC | 250 W | M58 | Probe | 2.6 A | 1.12 A | Advance | 72C5782-NP-001 | 3V565 |
| 120/277V AC | 70 W | M98 | Pulse | 0.85 A | 0.37 A | Advance | 72C5282-NP-001 | 3V566 |
| 120/277V AC | 175 W | M57/M107 | Probe | 1.75 A | 0.75 A | Advance | 72C5581-NP-001 | 6V768 |



3V564

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