

HID BALLAST KITS

What is new?

- Model construction simplified
- Easy ordering
- No more guessing

Our kit model configuration no longer has the various design codes (-212, -213, -214, etc).

This will allow for easier ordering and less mistakes!

| Lamp Type | | Wattage | | Input Volts ⁽¹⁾ | | Circuit Type ⁽²⁾ | | Packaging |
|-------------------------------|---|------------|---|----------------------------|---|-----------------------------|---|-------------------------|
| MP | - | 400 | - | 4T | - | PSCWA | - | K |
| M - Metal Halide | | 35 | | 2T | | PSCWA | | K - Generic Ballast Kit |
| S - High Pressure Sodium | | 50 | | 4T | | CWA | | |
| MP - Pulse Start Metal Halide | | 100 | | 5T | | HXN* | | |
| | | 175 | | 120 | | HXH | | |
| | | 250 | | 277 | | RXN* | | |
| | | 320 | | 480 | | RXH | | |
| | | 350 | | | | | | |
| | | 400 | | | | | | |
| | | 1000 | | | | | | |
| | | 1500 | | | | | | |

(1)Input Volts (Taps)

2T (277/120v)

4T (277/240/208/120v)

5T (480/277/240/208/120v)

120 (120v)

277 (277v)

(2) Circuit Type)

PSCWA - Pulse Start Constant Wattage Autotransformer

CWA - Constant Wattage Autotransformer (MH & HPS)

HXN* - High Reactance (Normal Power Factor)

HXH - High Reactance (High Power Factor)

RXN *- Reactor (Normal Power Factor)

RXH - Reactor (High Power Factor)

* For Normal Power Factor High Reactance and Reactor ballasts, the ballast operates without the use of a capacitor. Therefore, a capacitor will not be included with the kit. For all other circuit types, a capacitor is included and standard.

Example Kit Nomenclature

MP-400-4T-PSCWA-K

Pulse Start Metal Halide Ballast

400 watts

4-Tap (277/240/208/120v)

Pulse Start Constant Wattage Autotransformer Kit

S-100-4T-HXH-K

High Pressure Sodium Ballast

100 watts

4-Tap (277/240/208/120v)

High Reactance Autotransformer (High PF) Kit

HOWARDTM
LIGHTING PRODUCTS

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www.Howard-Lighting.com

Specifications subject to change without notice

Old vs. New HID Ballast Cross Reference

| ANSI | New Model | Old Model | | |
|------|-----------------|---------------|---------|---------|
| | | | Oil Kit | Dry Kit |
| M57 | M-175-480-CWA-K | M0175-11C-2XX | -CK | -DK |
| | M-175-4T-CWA-K | M0175-71C-2XX | -CK | -DK |
| | M-175-5T-CWA-K | M0175-81C-2XX | -CK | -DK |
| M58 | M-250-480-CWA-K | M0250-11C-2XX | -CK | -DK |
| | M-250-4T-CWA-K | M0250-71C-2XX | -CK | -DK |
| | M-250-5T-CWA-K | M0250-81C-2XX | -CK | -DK |
| M59 | M-400-4T-CWA-K | M0400-71C-2XX | -CK | -DK |
| | M-400-5T-CWA-K | M0400-81C-2XX | -CK | -DK |
| M47 | M-1000-4T-CWA-K | M1000-71C-2XX | -CK | |
| | M-1000-5T-CWA-K | M1000-81C-2XX | -CK | |
| M48 | M-1500-4T-CWA-K | M1500-71C-2XX | -CK | |

HID Ballasts

METAL HALIDE BALLAST

Old vs. New HID Ballast Cross Reference

HID Ballasts

| ANSI | New Model | Old Model | | |
|----------------------|--------------------|-----------------|---------|---------|
| | | | Oil Kit | Dry Kit |
| M110 | MP-50-277-RXN-K* | M0050-08C-111-K | | |
| | MP-50-277-RXH-K | M0050-08C-111 | -CK | -DK |
| | MP-50-2T-HXH-K | M0050-23C-111 | -CK | -DK |
| M98 | MP-70-277-HXN-K* | M0070-08C-111-K | | |
| | MP-70-277-HXH-K | M0070-08C-111 | -CK | -DK |
| | MP-70-4T-HXH-K | M0070-71C-5XX | -CK | -DK |
| M90 | MP-100-4T-HXH-K | M0100-71C-5XX | -CK | -DK |
| M102 | MP-150-4T-HXH-K | M0150-71C-5XX | -CK | -DK |
| M136 | MP-200-480-PSCWA-K | M0200-11C-6XX | -CK | -DK |
| M138 M153 | MP-250-480-PSCWA-K | M0250-11C-6XX | -CK | -DK |
| | MP-250-4T-PSCWA-K | M0250-71C-6XX | -CK | -DK |
| M132 | MP-320-480-PSCWA-K | M0320-11C-6XX | -CK | -DK |
| | MP-320-4T-PSCWA-K | M0320-71C-6XX | -CK | -DK |
| M131 | MP-350-4T-PSCWA-K | M0350-71C-6XX | -CK | -DK |
| M128 M135 M155 | MP-400-4T-PSCWA-K | M0400-71C-6XX | -CK | -DK |
| M149 | MP-750-4T-PSCWA-K | M0750-71C-6XX | -CK | |
| M149 | MP-750-5T-PSCWA-K | M0750-81C-6XX | -CK | |
| M141 | MP-1000-4T-PSCWA-K | M1000-71C-6XX | -CK | |

*Ballast operates without a capacitor. Therefore a capacitor is not included with the standard kit.

Old vs. New HID Ballast Cross Reference

HID Ballasts

| ANSI | New Model | Old Model | | |
|------|------------------|-----------------|---------|---------|
| | | | Oil Kit | Dry Kit |
| S76 | S-35-120-RXN-K* | S0035-02C-111-K | | |
| | S-35-120-RXH-K | S0035-02C-111 | -CK | -DK |
| S68 | S-50-120-RXN-K* | S0050-02C-111-K | | |
| | S-50-120-RXH-K | S0050-02C-111 | -CK | -DK |
| S62 | S-70-120-RXN-K* | S0070-02C-111-K | | |
| | S-70-120-RXH-K | S0070-02C-111 | -CK | -DK |
| | S-70-4T-HXN-K* | S0070-71C-5XX-K | | |
| | S-70-4T-HXH-K | S0070-71C-5XX | -CK | -DK |
| S54 | S-100-120-RXN-K* | S0100-02C-111-K | | |
| | S-100-120-RXH-K | S0100-02C-111 | -CK | -DK |
| | S-100-4T-HXN-K* | S0100-71C-5XX-K | | |
| | S-100-4T-HXH-K | S0100-71C-5XX | -CK | -DK |
| S55 | S-150-120-RXN-K* | S0150-02C-111-K | | |
| | S-150-120-RXH-K | S0150-02C-111 | -CK | -DK |
| | S-150-4T-HXN-K* | S0150-71C-5XX-K | | |
| | S-150-4T-HXH-K | S0150-71C-5XX | -CK | -DK |
| S50 | S-250-4T-CWA-K | S0250-71C-2XX | -CK | -DK |
| | S-250-5T-CWA-K | S0250-81C-2XX | -CK | -DK |
| S51 | S-400-4T-CWA-K | S0400-71C-2XX | -CK | -DK |
| | S-400-5T-CWA-K | S0400-81C-2XX | -CK | -DK |
| S52 | S-1000-4T-CWA-K | S1000-71C-2XX | -CK | -DK |
| | S-1000-5T-CWA-K | S1000-81C-2XX | -CK | -DK |

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