

Wallmaster™ HPS/MH Luminaires: Vertical and Horizontal Wall Mount

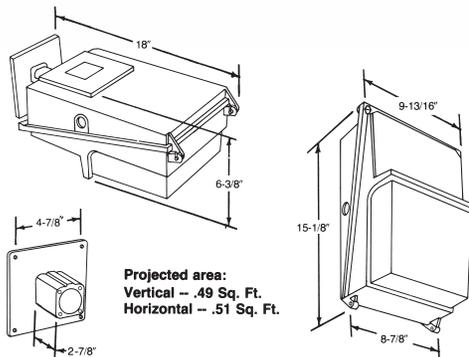
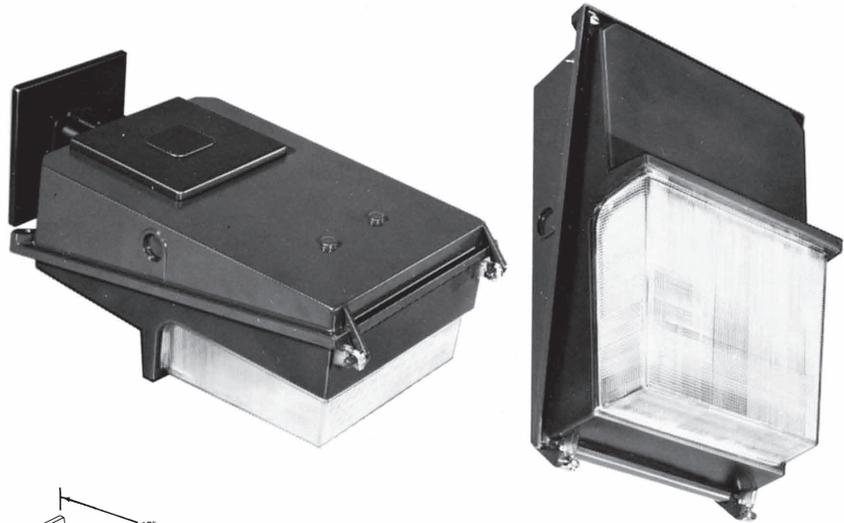
For 150,100,70,50 and 35 Watt High Pressure Sodium Lamps and 100 Watt Metal Halide Lamps.

Applications

- Totally enclosed luminaires for public security installations. Tough polycarbonate refractor provides vandal resistance.
- Ideal where illumination over wide areas adjacent to walls is required. Applications include walkways, parking lots and garages, building exteriors, shopping centers, stores, restaurants, tunnels, underpasses, loading docks, ramps, security lighting areas, entrances and recreational areas.

Features

- Computer designed optical system. Reflector provides optimum down and out light distribution. Prismatic refractor provides soft light with even distribution, reducing glare.
- Contemporary architectural design with attractive bronze POLYESTER finish. Soft, diffused light enhances the beauty of any architectural setting.
- Enclosed and gasketed for use in wet locations—indoors and out. High temperature neoprene gasketing.
- Easy to maintain. Hinged lens swings open (just loosen two captive bolts) for fast, easy relamping and access to internal components.
- Quick, easy installation. Fixture bolts to any flat surface or any standard 3" or 4" outlet box for vertical mounting.
- High energy efficiency. High pressure sodium lamps use approximately one-fourth as much electrical energy as incandescent lamps.
- Pre-wired, integrally ballasted. Die-cast copper-free aluminum housing is designed for heavy-duty use and is finished with corrosion resistant bronze POLYESTER.
- Complete assemblies available with a choice of ballasts: high reactance high power factor—with or without photocontrol (automatic ON-OFF operation). High power factor ballasts provide a minimum 90% P.F. and are suitable for use in high ambient temperature areas. High reactance high power factor ballasts are single-tap (120 or 480VAC), dual tap (120/277VAC) and multi-tap (120-277VAC). Reactor and reactor high power factor ballasts are 120VAC.



- Glass thermal barrier in 100W and 150W units protects polycarbonate lens from heat for longer lens life.
- Tough, molded polycarbonate refractor provides cool fixture operation.
- Alzak™ finished aluminum reflector provides efficient light projection.
- Three knockouts provided for conduit and wiring.
- Medium base porcelain socket with spring loaded nickel plated contacts.

Standard Materials

- *Ballast housing, wall bracket:* die-cast copper-free (4/10 of 1%) aluminum. *Hinged lens assembly, refractor:* high Impact, non-solarizing, polycarbonate.

Standard Finishes

- *Ballast housing and wall bracket:* two-coat bronze POLYESTER finish.

Compliances

- UL Standard 1598
- Appleton aluminum products are produced from a high strength copper-free alloy. (4/10 of 1% max.)

Options

- Photocontrol provides automatic ON-OFF operation. Order luminaires with -PC suffix or add -PC suffix to any 120V luminaire catalog numbers.

Alzak™ is a proprietary term of Appleton Corp. Of America.

†For multi-tap ballast specify voltage to be used.

Wallmaster™ HPS/MH Luminaires: Vertical and Horizontal Wall Mount

For 150, 100, 70, 50 and 35 Watt High Pressure Sodium Lamps and 100 Watt Metal Halide Lamps.

Ordering Information

| Description | Line Voltage | Vertical Mount Cat. No. | Horizontal Mount Cat. No. |
|--|--------------|-------------------------|---------------------------|
| 35-Watt High Pressure Sodium | | | |
| Reactor Ballast* | 120 | G-WM030L-12R | G-WM034L-12R |
| Reactor Ballast, High Power Factor* | 120 | G-WM030L-12RH | G-WM034L-12RH |
| 50-Watt High Pressure Sodium | | | |
| High Reactance Ballast, High Power Factor* | 120/277† | G-WM130L-DT | G-WM134L-DT |
| Reactor Ballast* | 120 | G-WM130L-12R | G-WM134L-12R |
| Reactor Ballast, High Power Factor* | 120 | G-WM130L-12RH | G-WM134L-12RH |
| 70-Watt High Pressure Sodium | | | |
| High Reactance Ballast, High Power Factor | 120-277♦ | G-WM230L-MT | G-WM234L-MT |
| High Reactance Ballast, High Power Factor | 480 | G-WM230L-48 | G-WM234L-48 |
| Reactor Ballast* | 120 | G-WM230L-12R | G-WM234L-12R |
| Reactor Ballast, High Power Factor* | 120 | G-WM230L-12RH | G-WM234L-12RH |
| 100-Watt High Pressure Sodium | | | |
| High Reactance Ballast, High Power Factor | 120-277♦ | G-WM330L-MT | G-WM334L-MT |
| High Reactance Ballast, High Power Factor | 480 | G-WM330L-48 | G-WM334L-48 |
| Reactor Ballast* | 120 | G-WM330L-12R | G-WM334L-12R |
| Reactor Ballast, High Power Factor* | 120 | G-WM330L-12RH | G-WM334L-12RH |
| 150-Watt High Pressure Sodium | | | |
| High Reactance Ballast, High Power Factor | 120-277♦ | G-WM430L-MT | G-WM434L-MT |
| High Reactance Ballast, High Power Factor | 480 | Not Available | Not Available |
| Reactor Ballast* | 120 | G-WM430L-12R | G-WM434L-12R |
| Reactor Ballast, High Power Factor* | 120 | G-WM430L-12RH | G-WM434L-12RH |
| 70-Watt Pulse Start Metal Halide | | | |
| High Reactance Ballast, High Power Factor | 120-277♦ | G-WM230H-MT | G-WM234H-MT |
| 100-Watt Pulse Start Metal Halide | | | |
| High Reactance Ballast, High Power Factor | 120-277♦ | G-WM330H-MT | G-WM334H-MT |

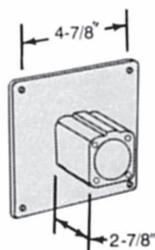
*Add suffix -PC for Photocontrol. Provides automatic dusk-to-dawn ON-OFF operation. Specify voltage to be used with photocell, if used with multi voltage ballast.

†Ballast has primary taps for 120V and 277V

♦Ballast has primary taps for 120V, 208V, 240V, and 277V.

Accessories

| Dimensions | Description | Cat No. |
|------------|-------------|---------|
|------------|-------------|---------|



Wall Mounting Kit

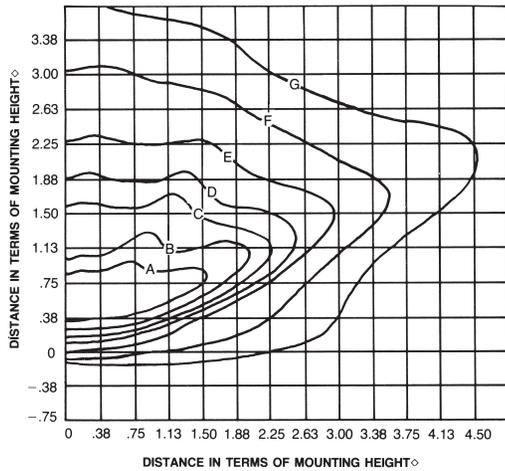
Adapts vertical mount fixtures to horizontal position.

G-WM-HMK

Photometric Data, Electrical Specifications: Wallmaster™ HPS/MH Luminaires

Data Based on 70 Watt, HPS Clear B-17
Medium Base Lamp (6,300 lumens)

Typical Footcandle Values♦ 70 Watt High Pressure Sodium



♦ (i.e., ratio) of distance to height. Example: @ 15' mounting height, 1 means 15'; 2 means 30', etc.)

♦Additional photometric charts available on request.

NOTE: For other HPS, Clear, Med. Base Lamps multiply all footcandle values as follows:

| Watts Mult. | Lumens | |
|----------------|--------|-------|
| 35 | 2,250 | .357 |
| 50 | 3,500 | .556 |
| 100 | 9,500 | 1.508 |
| 150 | 16,000 | 2.540 |

| Mtg. Ht. | Ft. Candles for Iso-Footcandle Lines | | | | | | |
|----------|--------------------------------------|------|------|------|------|-----|-----|
| | A | B | C | D | E | F | G |
| 6' | 5.80 | 4.80 | 3.87 | 2.88 | 1.94 | .96 | .39 |
| 7' | 4.22 | 3.54 | 2.84 | 2.14 | 1.42 | .70 | .29 |
| 8' | 3.26 | 2.72 | 2.17 | 1.63 | 1.09 | .54 | .22 |
| 10' | 2.09 | 1.73 | 1.39 | 1.04 | .70 | .34 | .14 |
| 12' | 1.45 | 1.21 | .96 | .72 | .48 | .24 | .10 |
| 14' | 1.06 | .89 | .71 | .53 | .36 | .18 | .07 |

Electrical Specifications

| Line Voltage | Type of Ballast | Starting Amps | Operating Amps | Total Watts | Line Voltage | Type of Ballast | Starting Amps | Operating Amps | Total Watts |
|-------------------------------------|--------------------------------------|---------------|----------------|-------------|--------------------------------------|--------------------------------------|---------------|----------------|-------------|
| 35-Watt High Pressure Sodium | | | | | 100-Watt High Pressure Sodium | | | | |
| 120 | Reactor | 1.15 | 0.83 | 43 | 120/277 | High Reactance, High Power Factor | 1.30/.60 | 1.15/0.50 | 130 |
| 120 | Reactor, High Power Factor | 0.78 | 0.38 | 46 | 480 | High Reactance, High Power Factor | 0.33 | 0.29 | 130 |
| 50-Watt High Pressure Sodium | | | | | 150-Watt High Pressure Sodium | | | | |
| 120/277 | High Reactance, High Power Factor | 0.65/0.30 | 0.61/0.26 | 66 | 120 | Reactor | 3.05 | 2.40 | 115 |
| 120 | Reactor | 1.80 | 1.18 | 60 | 120 | Reactor, High Power Factor | 1.50 | 1.05 | 115 |
| 120 | Reactor, High Power Factor | 0.75 | 0.55 | 60 | 100-Watt Metal Halide | | | | |
| 70-Watt High Pressure Sodium | | | | | 120/277 | High Reactance, High Power Factor | 1.22/0.44 | 1.15/0.50 | 128 |
| 120/277 | High Reactance, High Power Factor | 0.90/0.35 | 0.82/0.36 | 94 | 100-Watt High Pressure Sodium | | | | |
| 480 | High Reactance, High Power Factor | 0.25 | 0.22 | 94 | 120 | High Reactance, High Power Factor | 2.00/0.97 | 2.00/0.88 | 188 |
| 120 | Reactor | 2.25 | 1.70 | 87 | 480 | High Reactance, High Power Factor | 0.59 | 0.50 | 188 |
| 120 | Reactor, High Power Factor | 0.85 | 0.75 | 82 | 120 | Reactor | 4.55 | 3.40 | 170 |
| | | | | | 120 | Reactor, High Power Factor | 2.20 | 1.50 | 170 |