# Champ VMV high wattage HID luminaires

## 200-400W

## For medium and high mounting heights

Cl. I, Div. 2, Groups A, B, C, D
Restricted Breathing Cl. I, Div. 2 & Zone 2 (with suffix S826)
Certified for IEC Zone 2 (with suffix S826TB)

Cl. II, Groups E, F, G
Cl. III & Simultaneous Presence (with glass refractor)
Marine (with globe or glass refractor) & Wet Locations
3, 3R, 4, 4X; IP66



## Applications:

Champ® VMV high wattage HID luminaires are used:

- In manufacturing plants, refineries, chemical, petrochemical and other industrial process facilities, waste or sewage treatment facilities and other heavy industrial applications
- In applications where energy-efficient, high lumen output is required
- In areas in which ignitable concentrations of flammable gases or vapors will be present only due to abnormal, unusual or accidental conditions
- In marine applications where water spray and corrosive atmospheres are considerations
- In elevated ambient temperatures often found in industrial applications
- In installations where moisture, dirt, dust, vibration, corrosion and rough usage are problems
- Wherever the damaging effects of water, wind, snow, sleet, hot sun or any combination of these elements, are problematic

## Features:

- Cast copper-free aluminum construction (less than 0.4 of 1% copper) and epoxy powder finish provide excellent resistance to corrosion
- Hinged ballast housing for ease of installation and maintenance
- Wide choice of photometric distributions; glass globes, glass refractors and reflector/lens are available
- All luminaires designed to perform in a 40°C ambient temperature; selected luminaires are suitable for ambient temperatures up to 65°C
- Superior gasketing seals between the mounting module, housing and optical assembly for optimum performance in wet and corrosive environments
- Hubs with integral conduit stop and bushing to help prevent damage to field wiring during installation
- Low ambient capability to (-40°C)
- Dome and 30° angle reflectors made of bright white Krydon material and etched Alzak® high bay reflectors provide superior reflectivity
- Grounding wire for safety
- High power factor ballasts (min. P. F. 90%) are available in a variety of voltages to meet local area requirements
- Mogul base lamp socket

## Certifications and compliances:

**NEC/CEC:**

- Class I, Division 2, Groups A, B, C, D
- With glass refractor – Class II, Class III & Simultaneous Presence (Class I, Division 2 and Class II)
- Class I, Zone 2

**IEC:**

- Zone 2, Ex nR IIC

**UL standards:**

- UL844 – Hazardous (Classified) Locations
- UL1598 – Luminaires
- UL1598A – Marine Locations

**CSA standard:**

- C22.2 No. 137

**IEC standard:**

- 60079-15

## Standard materials:

- Ballast housings and mountings – copper-free aluminum (less than 0.4 of 1%)
- Exterior hardware and guards – stainless steel
- Reflectors (dome and angle) – Krydon fiberglass-reinforced polyester
- Globes – heat- and impact-resistant internally fluted glass
- Refractors – glass
- Reflector lens – spun Alzak aluminum, tempered glass, stainless steel door frame

## Standard finishes:

- Copper-free aluminum – epoxy powder coat
- Alzak aluminum – natural
- Krydon – high reflectance white
- Stainless steel – natural

## Electrical ratings:

- 120-600 volts and multi-tap
- 200, 250, 400W HPS and MH

## Options:

| Description | Suffix |
|---|---|
| • Restricted breathing construction | **S826**[A] |
| *Class I, Division 2 & Zone 2 suitability Cooler operating temperatures (T-codes)* | |
| • Certified for IEC Zone 2 | **S826TB**[A] |
| *Furnished with terminal block, crimp terminals and dedicated voltage ballasts (no MT, DT or TT)* | |
| • Fused – to protect ballast and capacitors against abnormal line conditions | **S658**[B] |
| *Not available with MT ballast Not for use in Canada Not suitable for marine applications* | |
| • Quick-Clip – holds weight of housing when closed; no need to support luminaire while screwing the housing to the cover | **S890** |
| • Ballast-Gard starter cut-out switch – prevents starter pulsing when lamp is cycling or inoperative; prolongs ballast and ignitor life | **BG** |
| *Available for use with 200-400W HPS only* | |
| • Quartz auxiliary lighting – comes to full brightness immediately and remains lit until the HID lamp attains 60-70% of full illumination | **QTZ** |
| *For non-hazardous locations only* | |
| *QTZ lamp not included; use 100W single-ended lamp – Q100DC, Q100CL/DC or 100Q/CL/DC* | |
| *Consult factory for top hat limitations* | |
| • Stainless steel insert – top hat with stainless steel threaded insert to attach ballast housing | **S806** |
| • Factory assembled with HID lamps installed for additional labor savings | **FA** |

## Photometrics:

- Refer to www.eaton.com (under the Resources tab of each product family) for specific photometric IES files

[A] Cannot be used with GRD4 reflector/lens.

[B] When ordering fuses for luminaires, you must specify the operating voltage. S658 cannot be ordered with /MT in the catalog number.

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# Champ VMV high wattage HID luminaires

## 200-400W high pressure sodium
## For medium and high mounting heights

Cl. I, Div. 2, Groups A, B, C, D
Restricted Breathing Cl. I, Div. 2 & Zone 2 (with suffix S826)
Certified for IEC Zone 2 (with suffix S826TB)

Cl. II, Groups E, F, G
Cl. III & Simultaneous Presence (with glass refractor)
Marine (with globe or glass refractor) & Wet Locations
3, 3R, 4, 4X; IP56 to IP66



To complete the catalog number, include information in Notes 1 and 2 below. For guards and other optics, see VMV high wattage – ordering by components page.

| Mounting style | Hub size | Lamp watts | BASIC CATALOG NUMBER Cat. # With G303 globe and P33 guard | Cat. # With GR305 glass refractor[C] | Cat. # With GRD4 reflector / lens |
|---|---|---|---|---|---|
| Pendant mount (rigid or flexible) | 3/4" | 200 | VMVS2A200GP | VMVS2A200GR305 | VMVS2A200GRD4 |
| | 1" | | VMVS3A200GP | VMVS3A200GR305 | VMVS3A200GRD4 |
| | 3/4" | 250 | VMVS2A250GP | VMVS2A250GR305 | VMVS2A250GRD4 |
| | 1" | | VMVS3A250GP | VMVS3A250GR305 | VMVS3A250GRD4 |
| | 3/4" | 400 | VMVS2A400GP | VMVS2A400GR305 | VMVS2A400GRD4 |
| | 1" | | VMVS3A400GP | VMVS3A400GR305 | VMVS3A400GRD4 |
| Ceiling mount through feed | 3/4" | 200 | VMVS2C200GP | VMVS2C200GR305 | VMVS2C200GRD4 |
| | 1" | | VMVS3C200GP | VMVS3C200GR305 | VMVS3C200GRD4 |
| | 3/4" | 250 | VMVS2C250GP | VMVS2C250GR305 | VMVS2C250GRD4 |
| | 1" | | VMVS3C250GP | VMVS3C250GR305 | VMVS3C250GRD4 |
| | 3/4" | 400 | VMVS2C400GP | VMVS2C400GR305 | VMVS2C400GRD4 |
| | 1" | | VMVS3C400GP | VMVS3C400GR305 | VMVS3C400GRD4 |
| Wall mount through feed | 3/4" | 200 | VMVS2TW200GP | VMVS2TW200GR305 | |
| | 1" | | VMVS3TW200GP | VMVS3TW200GR305 | |
| | 3/4" | 250 | VMVS2TW250GP | VMVS2TW250GR305 | |
| | 1" | | VMVS3TW250GP | VMVS3TW250GR305 | |
| | 3/4" | 400 | VMVS2TW400GP | VMVS2TW400GR305 | |
| | 1" | | VMVS3TW400GP | VMVS3TW400GR305 | |
| Quad mount Pendant, adjustable through feed, 25° angle, 12½° angle | 3/4" | 200 | VMVS25Q200GP | VMVS25Q200GR305 | VMVS25Q200GRD4 |
| | 3/4" | 250 | VMVS25Q250GP | VMVS25Q250GR305 | VMVS25Q250GRD4 |
| | 3/4" | 400 | VMVS25Q400GP | VMVS25Q400GR305 | VMVS25Q400GRD4 |
| Stanchion mount 25° angle | 1½" | 200 | VMVSJ200GP | VMVSJ200GR305 | VMVSJ200GRD4 |
| | 1½" | 250 | VMVSJ250GP | VMVSJ250GR305 | VMVSJ250GRD4 |
| | 1½" | 400 | VMVSJ400GP | VMVSJ400GR305 | VMVSJ400GRD4 |
| Stanchion mount Straight | 1½" | 200 | VMVSP200GP | VMVSP200GR305 | |
| | 1½" | 250 | VMVSP250GP | VMVSP250GR305 | |
| | 1½" | 400 | VMVSP400GP | VMVSP400GR305 | |

[C] For GR302 Type II refractor, change 'GR305' at end of catalog number to 'GR302.' Example: VMVS2A200GR302.
For GR303 Type III refractor, change 'GR305' at end of catalog number to 'GR303.' Example: VMVS2A200GR303.

**1. Add voltage suffix to end of catalog number.**

Standard voltage ballasts – 60 Hz

| | NEC/UL | | | CEC/CSA (cUL) | |
|---|---|---|---|---|---|
| **Voltage** | Multi-tap | 120V | 480V | Tri-tap | 120V |
| **Suffix** | /MT | /120 | /480 | /TT | /120 |

Optional voltage ballasts – 50 or 60 Hz

| | CEC/CSA (cUL) – CWI isolated ballasts | | | | Export | | | |
|---|---|---|---|---|---|---|---|---|
| **Voltage** | 208V CWI | 240V CWI | 480V CWI | 600V CWI | 220V 60 Hz | 220V 50 Hz | 230V 50 Hz | 240V 50 Hz |
| **Suffix** | /208 CWI | /240 CWI | /480 CWI | /600 CWI | /220 | /220 50 | /230 50 | /240 50 |

**2. Options: Add the required option suffixes in alphanumeric order.**


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# Champ VMV high wattage HID luminaires

## 250-400W pulse start metal halide
## For medium and high mounting heights

Cl. I, Div. 2, Groups A, B, C, D
Restricted Breathing Cl. I, Div. 2 & Zone 2 (with suffix S826)
Certified for IEC Zone 2 (with suffix S826TB)

Cl. II, Groups E, F, G
Cl. III & Simultaneous Presence (with glass refractor)
Marine (with globe or glass refractor) & Wet Locations
3, 3R, 4, 4X; IP56 to IP66



To complete the catalog number, include information in Notes 1 and 2 below. For guards and other optics, see VMV high wattage – ordering by components page.

| Mounting style | Hub size | Lamp watts | BASIC CATALOG NUMBER<br>Cat. #<br>With G303 globe and P33 guard | Cat. #<br>With GR305 glass refractor[D] | Cat. #<br>With GRD4 reflector / lens |
|---|---|---|---|---|---|
| Pendant mount (rigid or flexible) | 3/4" | 250 | VMVM2A250GP S828 | VMVM2A250GR305 S828 | VMVM2A250GRD4 S828 |
| | 1" | | VMVM3A250GP S828 | VMVM3A250GR305 S828 | VMVM3A250GRD4 S828 |
| | 3/4" | 320 | VMVM2A320GP S828 | VMVM2A320GR305 S828 | VMVM2A320GRD4 S828 |
| | 1" | | VMVM3A320GP S828 | VMVM3A320GR305 S828 | VMVM3A320GRD4 S828 |
| | 3/4" | 400[E] | VMVM2A400GP S828 | VMVM2A400GR305 S828 | VMVM2A400GRD4 S828 |
| | 1" | | VMVM3A400GP S828 | VMVM3A400GR305 S828 | VMVM3A400GRD4 S828 |
| Ceiling mount through feed | 3/4" | 250 | VMVM2C250GP S828 | VMVM2C250GR305 S828 | VMVM2C250GRD4 S828 |
| | 1" | | VMVM3C250GP S828 | VMVM3C250GR305 S828 | VMVM3C250GRD4 S828 |
| | 3/4" | 320 | VMVM2C320GP S828 | VMVM2C320GR305 S828 | VMVM2C320GRD4 S828 |
| | 1" | | VMVM3C320GP S828 | VMVM3C320GR305 S828 | VMVM3C320GRD4 S828 |
| | 3/4" | 400[E] | VMVM2C400GP S828 | VMVM2C400GR305 S828 | VMVM2C400GRD4 S828 |
| | 1" | | VMVM3C400GP S828 | VMVM3C400GR305 S828 | VMVM3C400GRD4 S828 |
| Wall mount through feed | 3/4" | 250 | VMVM2TW250GP S828 | VMVM2TW250GR305 S828 | |
| | 1" | | VMVM3TW250GP S828 | VMVM3TW250GR305 S828 | |
| | 3/4" | 320 | VMVM2TW320GP S828 | VMVM2TW320GR305 S828 | |
| | 1" | | VMVM3TW320GP S828 | VMVM3TW320GR305 S828 | |
| | 3/4" | 400[E] | VMVM2TW400GP S828 | VMVM2TW400GR305 S828 | |
| | 1" | | VMVM3TW400GP S828 | VMVM3TW400GR305 S828 | |
| Quad mount<br>Pendant, adjustable through feed, 25° angle, 12½° angle | 3/4" | 250 | VMVM25Q250GP S828 | VMVM25Q250GR305 S828 | VMVM25Q250GRD4 S828 |
| | 3/4" | 320 | VMVM25Q320GP S828 | VMVM25Q320GR305 S828 | VMVM25Q320GRD4 S828 |
| | 3/4" | 400[E] | VMVM25Q400GP S828 | VMVM25Q400GR305 S828 | VMVM25Q400GRD4 S828 |
| Stanchion mount<br>25° angle | 1½" | 250 | VMVMJ250GP S828 | VMVMJ250GR305 S828 | VMVMJ250GRD4 S828 |
| | 1½" | 320 | VMVMJ320GP S828 | VMVMJ320GR305 S828 | VMVMJ320GRD4 S828 |
| | 1½" | 400[E] | VMVMJ400GP S828 | VMVMJ400GR305 S828 | VMVMJ400GRD4 S828 |
| Stanchion mount<br>Straight | 1½" | 250 | VMVMP250GP S828 | VMVMP250GR305 S828 | |
| | 1½" | 320 | VMVMP320GP S828 | VMVMP320GR305 S828 | |
| | 1½" | 400[E] | VMVMP400GP S828 | VMVMP400GR305 S828 | |

[D] For GR302 Type II refractor, change 'GR305' at end of catalog number to 'GR302.' Example: VMVM2A250GR302 S828.
For GR303 Type III refractor, change 'GR305' at end of catalog number to 'GR303.' Example: VMVM2A250GR303 S828.

[E] To be used with ED28 (bulb shaped lamp).

**1. Add voltage suffix to end of catalog number.**

Standard voltage ballasts – 60 Hz

| | NEC/UL | | | CEC/CSA (cUL) | |
|---|---|---|---|---|---|
| **Voltage** | Multi-tap | 120V | 480V | Tri-tap | 120V |
| **Suffix** | /MT | /120 | /480 | /TT | /120 |

Optional voltage ballasts – 50 or 60 Hz

| | Export | | | |
|---|---|---|---|---|
| **Voltage** | 220V 60 Hz | 220V 50 Hz | 230V 50 Hz | 240V 50 Hz |
| **Suffix** | /220 | /220 50 | /230 50 | /240 50 |

**2. Options: Add the required option suffixes in alphanumeric order.**


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## 250-400W metal halide
## For medium and high mounting heights

Cl. I, Div. 2, Groups A, B, C, D
Restricted Breathing Cl. I, Div. 2 & Zone 2 (with suffix S826)
Certified for IEC Zone 2 (with suffix S826TB)

Cl. II, Groups E, F, G
Cl. III & Simultaneous Presence (with glass refractor)
Marine (with globe or glass refractor) & Wet Locations
3, 3R, 4, 4X; IP56 to IP66



To complete the catalog number, include information in Notes 1 and 2 below. For guards and other optics, see VMV high wattage – ordering by components page.

| Mounting style | Hub size | Lamp watts | BASIC CATALOG NUMBER Cat. # With G303 globe and P33 guard | Cat. # With GR305 glass refractor[F] | Cat. # With GRD4 reflector / lens |
|---|---|---|---|---|---|
| Pendant mount (rigid or flexible) | 3/4" | 250 | VMVM2A250GP | VMVM2A250GR305 | VMVM2A250GRD4 |
| | 1" | | VMVM3A250GP | VMVM3A250GR305 | VMVM3A250GRD4 |
| | 3/4" | 400 | – | VMVM2A400GR305 | VMVM2A400GRD4 |
| | 1" | | – | VMVM3A400GR305 | VMVM3A400GRD4 |
| Ceiling mount through feed | 3/4" | 250 | VMVM2C250GP | VMVM2C250GR305 | VMVM2C250GRD4 |
| | 1" | | VMVM3C250GP | VMVM3C250GR305 | VMVM3C250GRD4 |
| | 3/4" | 400 | – | VMVM2C400GR305 | VMVM2C400GRD4 |
| | 1" | | – | VMVM3C400GR305 | VMVM3C400GRD4 |
| Wall mount through feed | 3/4" | 250 | VMVM2TW250GP | VMVM2TW250GR305 | |
| | 1" | | VMVM3TW250GP | VMVM3TW250GR305 | |
| | 3/4" | 400 | – | VMVM2TW400GR305 | |
| | 1" | | – | VMVM3TW400GR305 | |
| Quad mount<br>Pendant, adjustable through feed, 25° angle, 12½° angle | 3/4" | 250 | VMVM25Q250GP | VMVM25Q250GR305 | VMVM25Q250GRD4 |
| | 3/4" | 400 | – | VMVM25Q400GR305 | VMVM25Q400GRD4 |
| Stanchion mount<br>25° angle | 1½" | 250 | VMVMJ250GP | VMVMJ250GR305 | VMVMJ250GRD4 |
| | 1½" | 400 | – | VMVMJ400GR305 | VMVMJ400GRD4 |
| Stanchion mount<br>Straight | 1½" | 250 | VMVMP250GP | VMVMP250GR305 | |
| | 1½" | 400 | – | VMVMP400GR305 | |

[F] For GR302 Type II refractor, change 'GR305' at end of catalog number to 'GR302.' Example: VMVM2A250GR302.
For GR303 Type III refractor, change 'GR305' at end of catalog number to 'GR303.' Example: VMVM2A250GR303.

**1. Add voltage suffix to end of catalog number.**

Standard voltage ballasts – 60 Hz

| | NEC/UL | | | CEC/CSA (cUL) | |
|---|---|---|---|---|---|
| **Voltage** | Multi-tap | 120V | 480V | Tri-tap | 120V |
| **Suffix** | /MT | /120 | /480 | /TT | /120 |

Optional voltage ballasts – 50 or 60 Hz

| | CEC/CSA (cUL) – CWI isolated ballasts | | | Export | | | |
|---|---|---|---|---|---|---|---|
| **Voltage** | 208V CWI | 240V CWI | 600V CWI | 220V 60 Hz | 220V 50 Hz | 230V 50 Hz | 240V 50 Hz |
| **Suffix** | /208 CWI | /240 CWI | /600 CWI | /220 | /220 50 | /230 50 | /240 50 |

**2. Options: Add the required option suffixes in alphanumeric order.**



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**VMV high wattage luminaires are available in components.**

A complete luminaire consists of:

I. Champ cover (mounting module)
II. VMV ballast housing – include voltage and required option(s)
III. Globe, guard, reflector, refractor



## I. Champ cover (mounting module):

| Type | Conduit size | Cat. # |
|---|---|---|
| Pendant mount | ¾" | **APM2** |
| | 1" | **APM3** |
| Ceiling mount[G] | ¾" | **CM2** |
| | 1" | **CM3** |
| Wall mount | ¾" | **TWM2** |
| | 1" | **TWM3** |
| Stanchion mount – 25° angle | 1½" | **JM5** |
| Stanchion mount – straight | 1½" | **PM5** |
| Quad mount | ¾" | **QM25** |

## II. Ballast housings:

Complete catalog number must have the **voltage suffix** (MT shown) and any **options suffixes**.

| Lamp type | Lamp watts | Cat. # |
|---|---|---|
| High pressure sodium | 200 | **VMVS200/MT** |
| | 250 | **VMVS250/MT** |
| | 400 | **VMVS400/MT** |
| Metal halide | 250 | **VMVM250/MT** |
| | 400 | **VMVM400/MT** |

## III. Globe, guards, reflectors, refractors:

| Type | Cat. # |
|---|---|
| Globe | **G303** |
| Globe guard | **P33** |
| Reflector – dome | **RD739** |
| Reflector – angle | **RA739** |
| Refractor – Type II | **GR302** |
| Refractor – Type III | **GR303** |
| Refractor – Type V | **GR305** |
| Refractor guard | **P23** |
| High bay reflector/lens | **GRD4** |

[G] Not available with V2PC photocell.

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Marine (with globe or glass refractor) & Wet Locations
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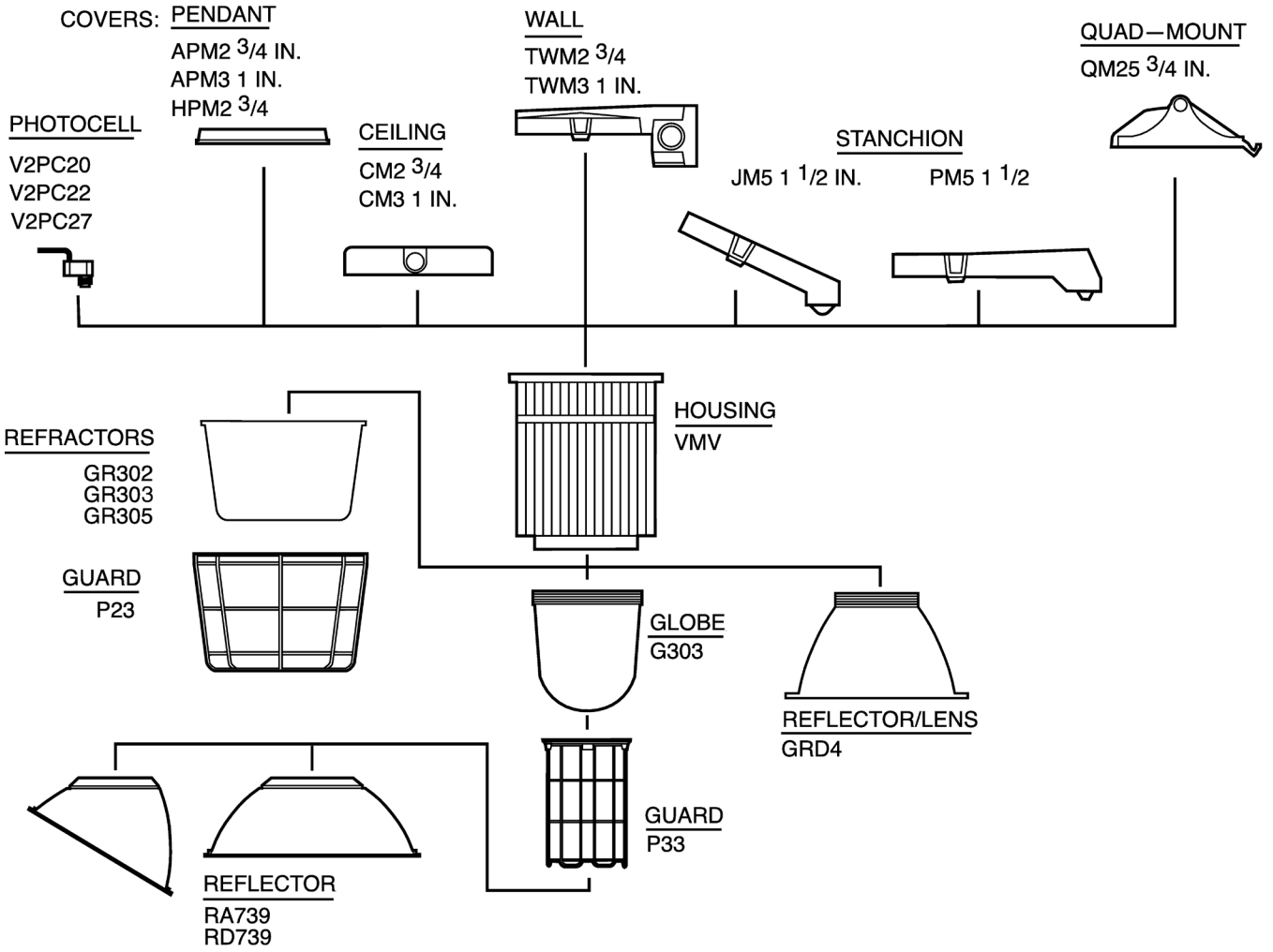
## Family tree:





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## Temperature performance data:

| Lamp Watts | Ambient Temp C | Optics | Class I (Gas/Vapors) | | | | | Class II (Dust) and Class III | Simultaneous Presence Gas and Dust Present in the Same Area | | Supply Wire Temp C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Non Restricted Breathing | | | Restricted Breathing | | | Non Restricted Breathing | Restricted Breathing | |
| | | | | | | Ex nR | | | | Ex nR | |
| | | | Standard Product | | | Option S826(TB) | | Standard Product | Standard Product | Option S826 | |
| | | | Division 2 | | | Zone 2 or Division 2 | | Standard Product | Class I, Division 2 and Class II | Class I, Zone 2 or Division 2 and Class II | |
| | | G303 | X | – | – | X | – | – | – | – | |
| | | GR305 | – | X | – | – | X | X | X | X | |
| | | GRD4 | – | – | X | – | – | – | – | – | |

### High pressure sodium

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 200 | 40 | 325°C | 350°C | T2 | T3 | T4 | T3C | T1 / T3C | T3C | 75 |
| | 55 | 325°C | 350°C | T2 | T3 | T4 | – | – | – | 75 |
| | 65 | 325°C | 350°C | T2 | T3 | – | – | – | – | 85 |
| 250 | 40 | 350°C | 350°C | 325°C | T3 | T4 | T3C | T1 / T3C | T3C | 75 |
| | 55 | 350°C | 350°C | 350°C | T3 | T4 | – | – | – | 85 |
| | 65 | 350°C | 350°C | – | T3 | – | – | – | – | – |
| 400 | 40 | 350°C | 350°C | T1 | T3 | T4 | T3C | T1 / T3C | T3C | 85 |
| | 55 | 350°C | 350°C | T1 | T3 | T4 | – | – | – | 90 |

### Metal halide

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 200 | 40 | 350°C | 325°C | 350°C | T3 | T4 | T3B | 350°C / T3B | T3B | 85 |
| | 55 | 350°C | 350°C | 350°C | T3 | T4 | – | – | – | 90 |
| 250 | 40 | 350°C | 325°C | 350°C | T3 | T4 | T3B | 350°C / T3B | T3B | 85 |
| | 55 | 350°C | 350°C | 350°C | T3 | T4 | – | – | – | 90 |
| 400 | 40 | – | 325°C | T1 | – | T4 | T3B | 350°C / T3B | T3B | 85 |
| | 55 | – | 350°C | T1 | – | – | – | – | – | – |

### Pulse start metal halide (S828)

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 250 | 40 | 350°C | 350°C | 325°C | T3 | T4 | T3B | 350°C / T3B | T3B | 85 |
| | 55 | 350°C | 350°C | 350°C | T3 | T4 | – | – | – | 90 |
| 320 | 40 | T1 | 325°C | T2A | T3 | – | – | – | – | 90 |
| 400 | 40 | T1 | T1 | T1 | T3 | T4 | – | – | – | 90 |



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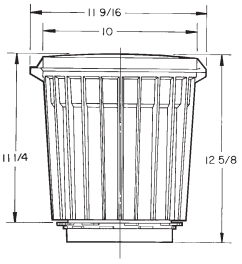
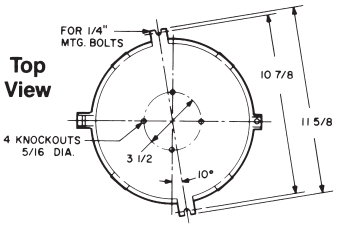
Cl. II, Groups E, F, G
Cl. III & Simultaneous Presence (with glass refractor)
Marine (with globe or glass refractor) & Wet Locations
3, 3R, 4, 4X; IP66



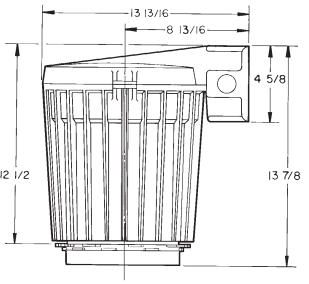
## Dimensions (in inches):

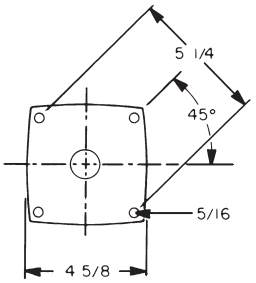



**Pendant mount**

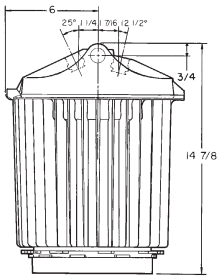


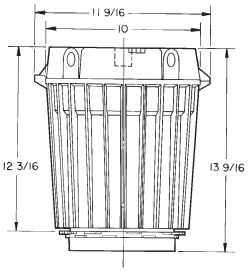

**Ceiling mount**



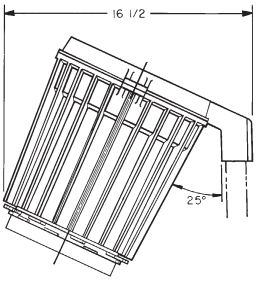




**Wall mount**

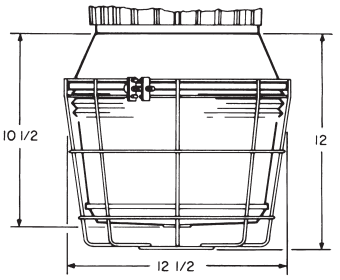


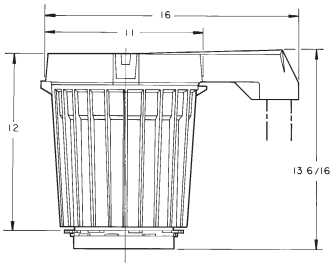

**Quad mount**



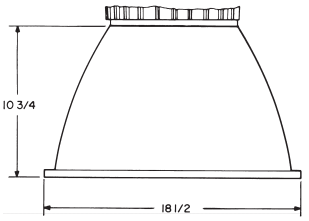

**Stanchion mount 25° angle**



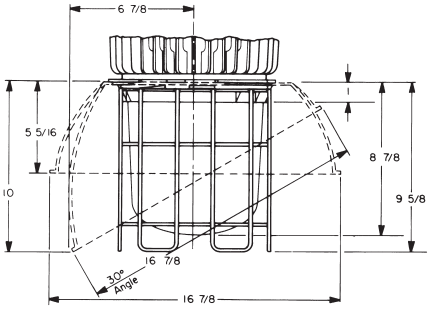

**Luminaire with glass refractor, guard**




**Stanchion mount straight**




**Luminaire with etched Alzak reflector/lens**




**Luminaire with globe, guard, reflectors**

## Net luminaire weights:

| Luminaire series | Lamp watts | Luminaire with globe, guard (lbs.) | Luminaire with reflector / lens (lbs.) | Luminaire with glass refractor (lbs.) |
|---|---|---|---|---|
| VMVS | 200 | 29.50 | 30.00 | 32.50 |
| | 250 | 29.50 | 30.00 | 32.50 |
| | 400 | 38.50 | 39.00 | 41.50 |
| VMVM | 250 | 32.50 | 33.00 | 35.75 |
| | 320 | 33.00 | 34.00 | 35.50 |
| | 400 | – | 34.00 | 35.50 |

| Type | Weight (lbs.) | Type | Weight (lbs.) |
|---|---|---|---|
| **Add mounting modules:** | | | |
| Pendant | 1.25 | Quad | 3.50 |
| Ceiling | 2.75 | Stanchion 25° angle | 3.50 |
| Wall | 4.50 | Stanchion straight | 4.50 |
| **Add reflectors:** | | | |
| Dome | 1.50 | 30° angle | 1.50 |
| High bay | 1.75 | | |

**Deduct**: 1.50 lbs. for fixture without P33 guard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