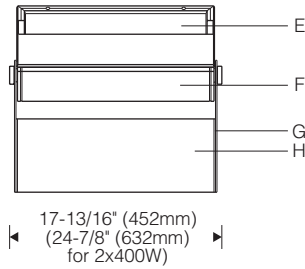
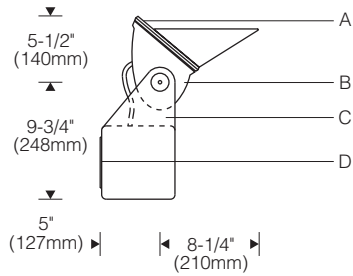
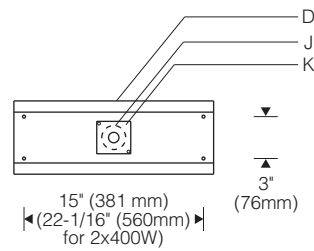


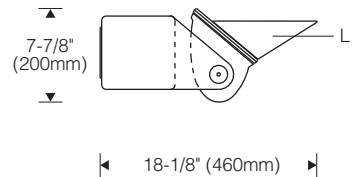
**Position 1** 1:16 Scale



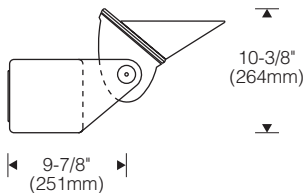
**Mounting Plate**



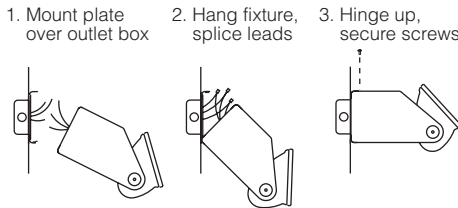
**Position 2** 1:16 Scale



**Position 3** 1:16 Scale



**Installation**



**Specifications**

- A** Mitred extruded aluminum door with silicone gasket
- B** Die-cast aluminum end plates
- C** Aluminum side arms
- D** Extruded aluminum mounting plate
- E** Micro-prismatic tempered glass lens
- F** Specular extruded aluminum reflector
- G** Aluminum reveal plates (black)
- H** Extruded aluminum ballast housing
- J** 2" dia. opening to access recessed outlet box (by others)
- K** Cover plate with 7/8" dia. conduit entry
- L** Perforated or solid cutoff visor (included)

**Finish:**

Style 408 smooth – semi-gloss white housing, door frame, end plates, visor, side arms and ballast housing.

Style 409 fluted – bright clear anodized aluminum housing and door frame. Painted end plates, visor, side arms and ballast housing in choice of silver or semi-gloss black.

Visor available solid or perforated. Perforated visor supplied with diffusing translucent insert.

Painted surfaces – 6 stage pretreatment and electrostatically applied thermoset powder coat for stable, long lasting and corrosion resistant finish.

Reflector and internal end plates – extruded high purity aluminum with clear anodized specular finish. All luminaire hardware – stainless steel.

**Mounting:**

Mounting plate covers recessed outlet box or conduit feed and forms reveal at wall. Suitable backing structure required (by others) – weight up to approx. 60 lb/27 kg (2x400W MH). Fixture hinges on plate for hands-free access to splices.

Uplight pendant mounting assembly ordered separately (see Accessories); specify **X** mount 1-way or **Y** mount 2-way.

**Electrical:**

Use 90°C wire for supply connections. Mounting plate supplied with one 7/8" diameter entry for direct conduit feed and a 2" (50mm) diameter opening to access splices in recessed outlet box.

Integral constant wattage autotransformer (CWA) or electronic ballast.

Mogul lampholder is pulse rated for use with either horizontal or universal position reduced envelope pulse start lamps. End-of-lamp aligner ensures consistent optical performance.

For complete ballast specifications, see Accessories Section.

**Standard:**

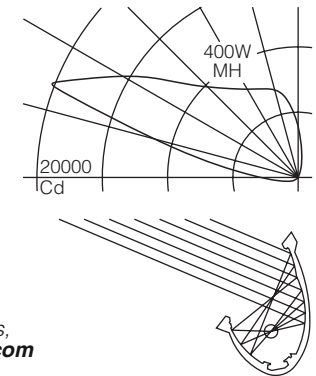
UL listed or CSA certified for damp locations (Style 408 painted model recommended for damp locations). Suitable for use in natatorium (pool) environments (see Options). 2x400W units suitable for upright orientation only.

**Features**

- Die-cast end plates; thick aluminum sidearms join at articulated black reveals – no exposed fasteners
- Multiple reflector/sidearm positions for design flexibility
- Hinging wall plate eases mounting – optional pendant stem
- Precured silicone gaskets – keep dirt and moisture out
- Integral CWA ballast for quiet operation

**Performance**

Two parabolic reflector sections drive light across the ceiling from one edge. An elliptical section shields the lamp from normal viewing angles and redirects its light to a parabola. Glare is minimized and asymmetry of the beam is maximized resulting in high beam efficiency and superior surface uniformity.



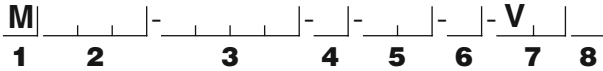
For complete photometrics, visit [thelightingquotient.com](http://thelightingquotient.com)



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To form a Catalog Number



1 Source

M = Metal halide

2 Style

408 = Large smooth surface, integral ballast

409 = Large fluted surface, integral ballast

Note: For damp locations, Style 408 is recommended.

3 Lamp

| Lamp Code  | Wattage | Lamp Number              | Voltages     |
|--|---------|--------------------------|--------------|
| Ceramic Arc Tube Pulse Start Metal Halide (90+ CRI)  |         |                          |              |
| 210C   | 210     | CDM210/T9/930/U/E        | 2, U         |
| 315C   | 315     | CDM315/T9/930/U/E        | 2, U         |
| Ceramic Arc Tube Pulse Start Metal Halide (80+ CRI)* |         |                          |              |
| 150G   | 150     | CDM150/T6/830            | 1, 2<br>T, U |
| 250C   | 250     | CMH250/U/830/R           | A, B         |
| 400C   | 400     | CMH400/U/830/R           | A, B         |
| 240C   | 2x400   | (2) CMH400/U/830/R       | A, B         |
| Quartz Arc Tube Pulse Start Metal Halide (68 CRI)*   |         |                          |              |
| 250P   | 250     | MS 250W/H75/T15/PS/740   | A, B<br>2, U |
| 320P   | 320     | MS 320W/H75/T15/S/PS/740 | A, B<br>2, U |
| 350P   | 350     | MS 350W/H75/T15/PS/740   | A, B<br>2, U |

For complete lamp and ballast information, see Accessories Section.

\* Use only clear metal halide horizontal or universal position lamp with compact envelope. Standard lamp colors are 3000K for Ceramic Arc Tube Pulse Start lamps and 4000K for Quartz Arc Tube Pulse Metal Halide lamps.

4 Mounting

Surface: Mounting plate covers conduit feed or recessed outlet box (by others). Choice of three positions:

- 1 = Reflector positioned above ballast housing
- 2 = Reflector positioned in front of ballast housing, side arms sloping downward
- 3 = Reflector positioned in front of ballast housing, side arms sloping upward

Project: \_\_\_\_\_

Pendant: Reflector is oriented similar to position 2 (in front of ballast housing, side arms sloping downward). Pendant assemblies include appropriate number of luminaires. Order accessory VPN upright pendant separately.

- X = One-way assembly, single upright
- Y = Two-way assembly, two (2) uprights back-to-back

5 Finish

Style 409 Fluted

Bright anodized aluminum reflector and door frame with painted end plates, sidearms, ballast housing and visor in choice of

- 01 = silver, solid visor
- P1 = silver, perforated visor
- 81 = semi-gloss black, solid visor
- P8 = semi-gloss black, perforated visor

Style 408 Smooth

Semi-gloss white reflector, door frame, end plates, sidearms and ballast housing with choice of

- 02 = solid visor finished white
- P2 = perforated visor finished white
- 99 = Custom RAL or computer matched color to be specified, consult sales representative

6 Voltage

Electronic (Metal Halide only)

- T = 120V dim\* 1 = 120V
- U = 208-277V dim\* 2 = 277V

Magnetic

- A = 120V
- B = 277V

\*100-50% dimming, 0-10V compatible controls by others. Consult factory for dimming the 210W lamp.

7 Option (see Accessories Section for specifications)

- V0 = Cutoff visor included, no other options
- VP = Natatorium (pool) use (Style 408 painted model only)
- VR = Halogen standby lamp with integral relay. 100W maximum (lamp included). Not available for 2x400W metal halide.
- VX = For modification not listed, include detailed description. Consult factory prior to specification.

Note: Cutoff visor included unless specified otherwise.

8 Destination Requirement

- 0 = UL listed or CSA certified for U.S.
- J = UL listed or CSA certified for Canada

Example

M408 - 250C - 1 - 02 - B - V00

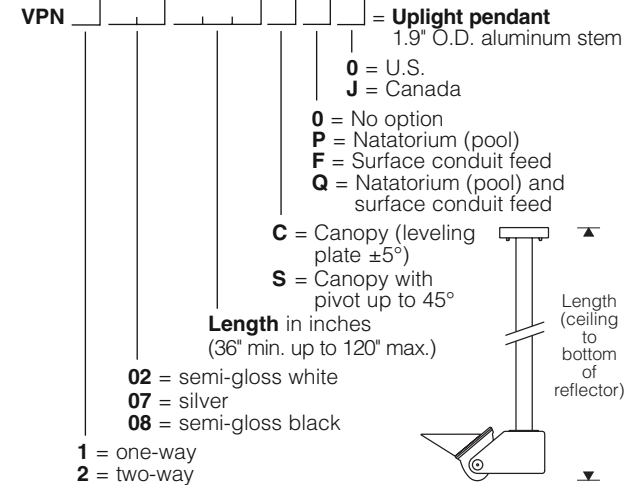
Large smooth surface model for use with 250 watt ceramic arc tube pulse start metal halide lamps. Mounting plate attaches to suitable structure over conduit or recessed outlet box (by others). Reflector positioned above ballast housing. Semi-gloss white. Integral 277V ballast. UL listed or CSA certified for U.S. Solid white cutoff visor included.

elliptipar from The Lighting Quotient  
114 Boston Post Road, West Haven, Connecticut 06516, USA  
Voice 203.931.4455 • Fax 203.931.4464 • [thelightingquotient.com](http://thelightingquotient.com)

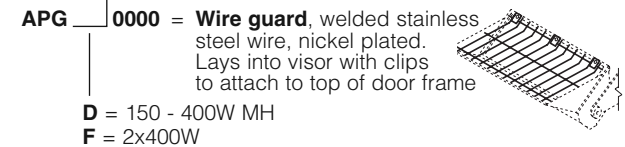
Type: \_\_\_\_\_

Accessories

Order separately. See Accessories Section for specifications.



Note: Suitable structure required to support up to 130 lb/60kg. For additional pendant specifications, see [thelightingquotient.com](http://thelightingquotient.com).



ACF = Stripped glass color filter, integral to door frame (accepts standard cutoff visor).

Note: Color filters not suitable for all lamp wattages. Consult factory for complete specifications and ordering information.

