

Highmast Roadway Lighting



Specifications



- HOUSING** The one-piece housing is cast of Type 319 aluminum. The integral cast aluminum fitter slips over 2" nominal pipe and attaches with three stainless steel 3/8" set screws . . . allowing $\pm 3^\circ$ leveling adjustment. The casting is clearly marked to show degrees of rotation to aid in adjusting the rotatable reflector assembly. The top cap is spun of .080" aluminum. All components are made from corrosion-resistant material or have positive corrosion protection. The complete fixture has passed vibration testing with over 50,000 cycles in both the vertical and horizontal planes. The fixture is weather resistant per UL 1572 and is UL listed "suitable for wet locations."
- GASKETING** A silicone-impregnated Dacron® gasket is used between the reflector and housing. Butyl-acrylic tape sealant is used between the lens and reflector.
- OPTICAL ASSEMBLY** The optical assembly consists of a one-piece 25" diameter .080" thick spun aluminum reflector and clear glass lens. Reflectors are spun from Type 3002 sheet aluminum, chemically brightened and clear anodized, and have been specially-designed with 288 facets to redirect the light past the lamp's arc tube, preventing lamp voltage from exceeding the lamp manufacturers tolerances. Lamps operate in the vertical, base up position for maximum lamp life. The 3/16" thick clear glass lens is fully tempered, and heat-resistant. The lens is fully gasketed and held in place with a stainless steel lens band.
- REFLECTOR MOUNTING** The reflector is mounted on the fixture's housing using a bayonet-style mounting arrangement and is secured with three captive knurled thumb screws.
- ROTATABLE REFLECTOR OPTICS** The reflector is easily rotated through 360° without the use of tools to facilitate aiming the main beam of non-symmetric distributions. The lamp's socket is nickel plated, spring loaded, porcelain enclosed, and pulse-rated. Two stainless steel safety cables are provided to retain the reflector and lens when lamp replacement is necessary. Re-lamping is easily accomplished without the use of tools.
- BALLAST** All ballast components are readily-accessible from the top of the luminaire and are mounted on a single plate, which is removable as a complete assembly for ease of maintenance without removing the luminaire from the bracket arm.
- CWA ballasts supplied for use with MH and HPS lamps provide $\pm 5\%$ lamp power regulation with $\pm 10\%$ variation from rated input voltage. Ballasts supplied for use with HPS lamps operate within ANSI trapezoidal limits. All wiring within the luminaire is sized to carry 80% of its rated current and is listed by UL for use at 600 VAC.
- FINISH** Electrostatically-applied textured baked enamel finish is applied over the aluminum ballast housing and top cap. The baked enamel finish meets or exceeds all AAMA requirements for 1,000 hour salt spray exposure. The standard color is bronze for the housing and top cap. The standard reflector finish is natural anodized aluminum.

PROJECT
FIXTURE TYPE
CATALOG#

Metrolux
 2930 South Fairview Street
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VA-25

Ordering Example:

VA25 - VS - MH400 - 120 - SL - OBR - FD
 1 2 3 4 5 6 7

1. Luminaire

VA-25

2. Distribution

V VS VR VF

3. Lamp Type & Wattage

MH 400 MH 1000
 HPS 400 HPS 600 HPS 750 HPS 1000

4. Ballast Voltage

120 208 240
 277 347 480

5. Optical Options

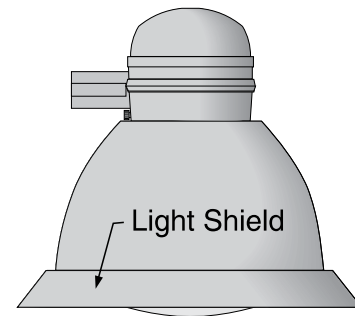
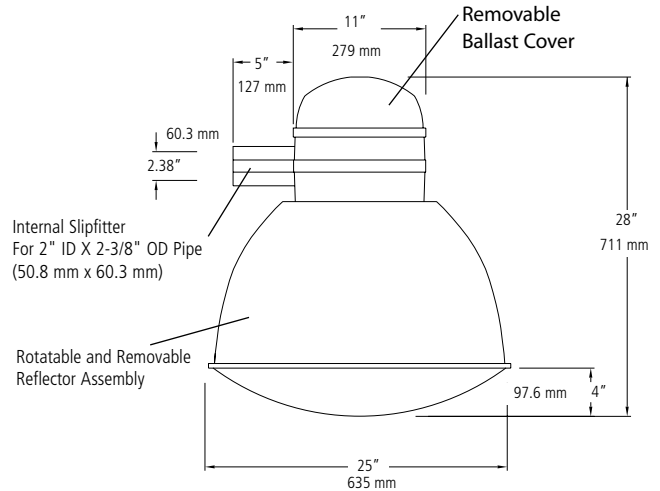
- OBR Open bottom reflector
 (except 1000W HPS) For 1000W MH, must use
 reduced envelope lamp (BT-37)
- FL Flat glass, Convex glass (standard)
 (available Type V, 400W MH, 400W HPS, 600W HPS, 750W MH, 750W MH,
 1000W MH - BT-37)
- IL-45 Internal 45° louvers type I distribution only
- IL-75 Internal 75° louvers type I distribution only
- AS Architectural light shield (external)
- HSS House side shield

6. Electrical Options

- FD Single fusing 120V/277V
- FDC Single fusing 347V
- FDD Double fusing - 480V
- FDFD Double fusing 208V/240V
- PCT Photo cell and receptacle

COLOR CHOICES

FINISH



AS - Architectural Light Shield

PROJECTED AREA (EPA):		
1 Fixture	1.99 Sq. Ft.	(.18 M2)
2 Fixtures	3.98 Sq. Ft.	(.37 M2)
3 Fixtures	5.57 Sq. Ft.	(.52 M2)
4 Fixtures	5.97 Sq. Ft.	(.55 M2)
5 Fixture	6.96 Sq. Ft.	(.64 M2)
6 Fixtures	7.96 Sq. Ft.	(.74 M2)
7 Fixtures	9.04 Sq. Ft.	(.84 M2)
8 Fixtures	9.95 Sq. Ft.	(.92 M2)
9 Fixture	10.95 Sq. Ft.	(1.00 M2)
10 Fixtures	11.94 Sq. Ft.	(1.10 M2)
11 Fixtures	13.02 Sq. Ft.	(1.20 M2)
12 Fixtures	13.93 Sq. Ft.	(1.29 M2)
FIXTURE WEIGHT (each): 62 lbs. (28.15kgs)		