

Updated: 05/2010



- Two lens styles available
- Seven optical systems
- Provides efficient distribution for maximum visibility
- Wall and ceiling mount options
- Emergency lighting options installed in housing
- Full surround silicone gasket protects fixture from contaminants
- EISA compliant
- IP65 rated



Architectural Area Lighting

16555 East Gale Ave. | City of Industry | CA 91745
P 626.968.5666 | F 626.369.2695 | www.aal.net
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Fixture	Lens Options	Lamp/Ballast	Options	Color	Mounting
1	2	3	4	5	6

1. FIXTURE

MDL 1-4 WALL MOUNT - 100 WATTS MAXIMUM.

- MDL 1 Forward throw
- MDL 2 Wide short throw
- MDL 3 Medium throw
- MDL 4 Stair well throw

Standard housing color is black.

MDL 5-7 CEILING MOUNT - UP TO 100MH RECESSED AND 150HPS SURFACE MOUNT MAX.

- MDL 5 Symmetrical distribution
- MDL 6 Elongated distribution
- MDL 7 Asymmetrical distribution

Standard housing color is black.

2. LENS OPTIONS

- PL Prismatic – Geometric Design, SLX Lexan® Lens
- AL Architectural – Contour Design, Acrylic Lens



3. LAMP/BALLAST

- CF Compact fluorescent electronic 120 thru 277 volt ballast. Use 4-pin 26 or 32 watt lamp. -18°C min start temp. Specify wattage.
- 50MH 50 watt metal halide 120/208/240/277 volt ballast. Use medium base, ED-17 lamp.
- 70MH 70 watt metal halide 120/208/240/277 volt ballast. Use medium base, ED-17 lamp.
- 100MH 100 watt metal halide 120/208/240/277 volt ballast. Use medium base, ED-17 lamp.
- 35HPS 35 watt high pressure sodium 120 volt ballast only. Use medium base, ED-17 lamp.
- 50HPS 50 watt high pressure sodium 120/227 volt ballast. Use medium base, ED-17 lamp.
- 70HPS 70 watt high pressure sodium 120/208/240/277 volt ballast. Use medium base, ED-17 lamp.
- 100HPS 100 watt high pressure sodium 120/208/240/277 volt ballast. Use medium base, ED-17 lamp.
- 150HPS 150 watt high pressure sodium 120/208/240/277 volt ballast. Use medium base, ED-17 lamp.

MDL 5-7 only.

All ballasts are factory wired for 277 volts. Lamps not included (except IL and LED options).

All applicable ballasts are EISA compliant.

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4. OPTIONS

- FS1 Single fusing (120/277/347V), specify voltage

- FS2 Double fusing (208/240/480V), specify voltage

- QL Socket for T-4 mini-can lamp, field wired to a separate circuit.
(Lamp wattage not to exceed ballast wattage).

- QRS Restrike controller and T-4 mini-can socket. Not required with electronic ballast.
(Lamp wattage not to exceed ballast wattage).

- PCR Photocell receptacle, NEMA twist lock. Not available for recessed.

- HSA Housing shipped in advance, includes temporary cover and removed ballast tray.
Recessed mounting only.

- PFSA Plaster frame shipped in advance. FJM mounting option only.

- BBU Battery backup option will supply power to a compact fluorescent lamp for up to ninety minutes
(remote location by others). Field installed. Operating temp 0°C to 55°C.

5. MOUNTING

- SDE Surface mount, direct conduit entry 1/2" taps

- RDE Recessed mount, direct conduit entry 1/2" taps

- SJO Surface mount, J-Box by others

- SJM Surface mount, J-Box by AAL 3/4" taps

- RJM Recessed mount, J-Box by AAL 3/4" taps

- PJM Pedestal mount for a horizontal surface. The bottom side of the housing is factory drilled to mate to the pedestal. **MDL1-4 only.**

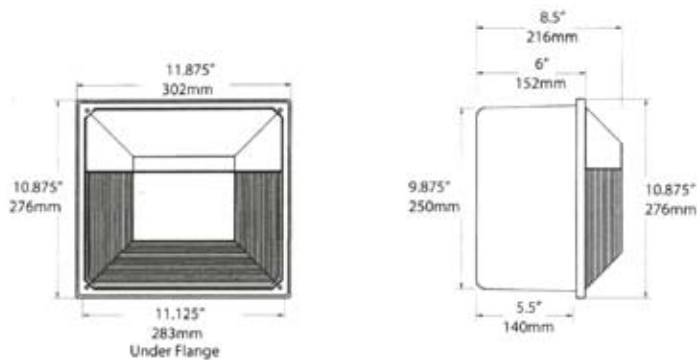
- CPM Canopy mount for the underside of a horizontal surface. The top side of the housing is factory drilled to mate to canopy. **MDL1-4 only.**

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Specifications



MDL1-4

HOUSING

Housing shall be one-piece die cast aluminum and include two apertures for access to the J-box in all mounting positions. Flush cover plate and gasket shall be provided to seal unused aperture. Housing dimensions shall not exceed 11" X 12" X 6". All hardware shall be stainless steel. The housing finish shall be black.

LENS – PRISMATIC

Lens shall be a one-piece SLX lexan material. Lens shall be secured by four stainless steel tamper proof screws, and retained by drop hinges when opened for relamping. Lens for MDL 1, 2, 3 and 4 shall have a clear front geometric optical surface with masked upper portion to shield the lamp for normal viewing angles. The lens shall have vertical prisms on the interior of the side facets to spread the light horizontally without affecting the vertical distribution produced by the reflector. The entire outer surface shall be smooth. Lens for MDL 5, 6 and 7 shall have a clear geometric optical surface. The lens shall have prisms on the interior surface and a smooth outer surface.

LENS – ARCHITECTURAL

Lens shall be a one-piece injection-molded acrylic. Lens shall be secured by four tamper proof screws, and retained by drop hinges when opened for relamping. Lens for MDL 1, 2, 3 and 4 shall have a clear front contour optical surface with masked upper portion to shield the lamp for normal viewing angles. Lens for MDL 5, 6 and 7 shall have a clear contour optical surface.

ELECTRICAL

All electrical components and materials shall be U.L. recognized. Fixture shall be U.L. listed and CSA approved for use in outdoor wet locations. Compact Fluorescent sockets for 26 or 32 watt lamps are 4-pin lamp, with an electronic ballast, 120 - 277 volts. Ballast (except 50 MH and HPS) shall be multi-tap style (120/208/240/277); Ballast for 50 watt MH and HPS shall be dual volt (120/277). 347 volt ballast is available for 50 watts or higher. Ballast shall be factory prewired to 277 volts, unless specified.

OPTICAL SYSTEM – MDL1-4

Reflector system for the MDL 1, 2, 3 and 4 shall be a two-piece assembly consisting of a hydroformed, primary reflector mounted to the aluminum housing by four screws and a secondary reflector mounted to the acrylic lens by four permanent anchor clips.

OPTICAL SYSTEM – MDL5-7

Reflector system for the MDL 5, 6 and 7 shall be a one-piece assembly consisting of a hydroformed reflector, mounted to the aluminum housing by four screws.

FINISH

Housing finish consists of a five stage pretreatment regimen with a polymer primer sealer, oven dry off and top coated with a thermoset super TGIC polyester powder coat finish. The finish shall meet the AAMA 605.2 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance.

CERTIFICATION

The fixture shall be listed with ETL and U.L. for outdoor, wet location use, UL1598 and Canadian CSA Std. C22.2 NO.250. IP=65

EISA COMPLIANCE

AAL is committed to complying with U.S. EISA requirements. All applicable products manufactured for sale in the United States after January 1, 2009, meet EISA requirements.

WARRANTY

Fixture is warranted for three years. Ballast components carry the ballast manufacturer's limited warranty. Any unauthorized return, repair, replacement or modification of the Product(s) shall void this warranty. This warranty applies only to the use of the Product(s) as intended by AAL and does not cover any misapplication or misuse of said Product(s), or installation in hazardous or corrosive environments. Contact AAL for complete warranty language, exceptions, and limitations.

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