

MOLDCAST

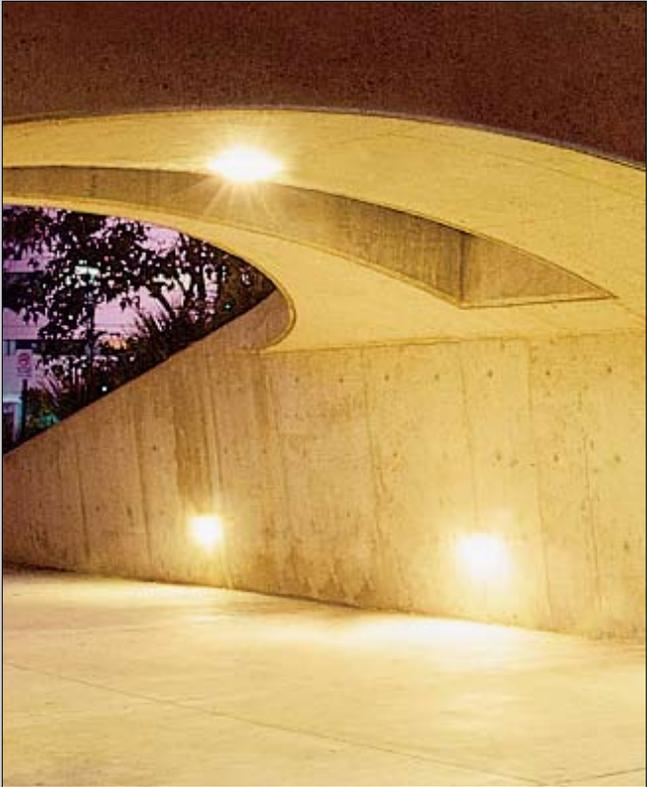
Multi-Distribution Luminaire™



The Multi-Distribution Luminaire's second generation offers the choice in design and optical systems. With the MDL, a specifier can use a compact, unobtrusive fixture to illuminate a wide variety of wall and ceiling applications.

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MOLDCAST



MDL 1-AL-SDE



MDL 6-AL-RDE



MDL 1-AL-RDE

UNIFORM ILLUMINATION

High Level Uniform Illumination

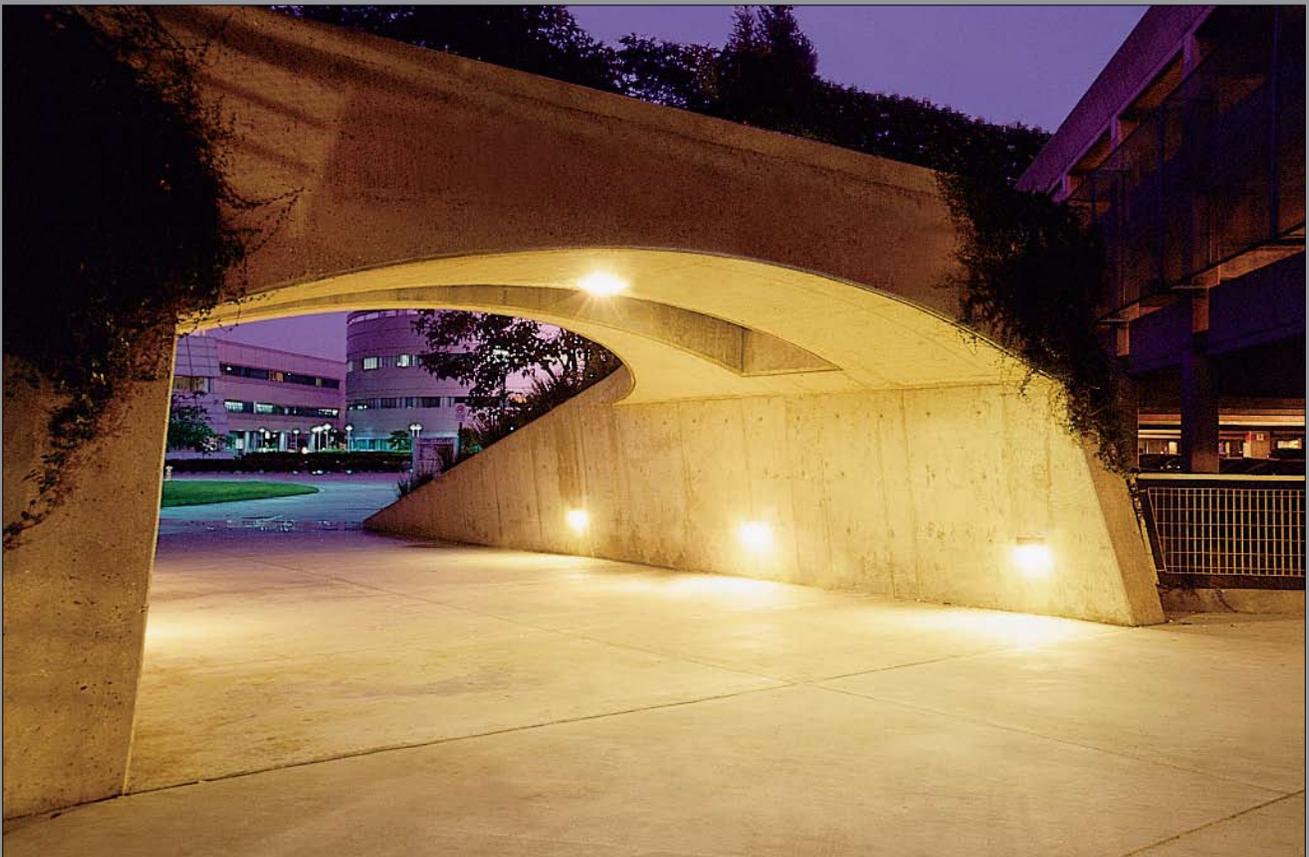
Wide Spacing and Glare Control

The MDL provides efficient distribution for maximum visibility. Projected light is concentrated at angles striking the ground furthest from the luminaire.

The light is reduced below these angles providing superb uniformity and reduces the nuisance of glare.

Flexibility

The MDL allows the specifier to choose from seven different optical systems from one compact housing. The photo below illustrates the versatility of MDL's distribution patterns. (MDL 3 is mounted on the wall and the MDL 5 is



EGRESS (EMERGENCY) LIGHTING

Moldcast's MDL eliminates the need for secondary fixtures used as emergency lighting. All emergency lighting options are installed in the housing, thereby eliminating external compartments or secondary fixtures which result in extra material and labor costs.



MDL 1-AL-SDE with QRS option.

Two egress options are available for use with metal halide or high pressure sodium HID lamps.

QRS quartz restrike controller option: an electronic controller energizes an auxiliary quartz lamp, providing illumination until the HID lamp can restart and return to full brightness.

QL quartz lamp option: a quartz socket is provided to be wired to a separate emergency power circuit.

For applications requiring an emergency backup power supply, the MDL can be equipped with the BBU option.

BBU battery backup option: will supply power to a compact fluorescent lamp for up to ninety minutes at 60% of the lamp's rated lumen output.

Note: All options are for MDL 1-4. BBU battery shall be remote. Distance from fixture shall be 7-1/2" maximum length.

MODULAR DESIGN

ONE HOUSING

The MDL housing is built to last. Full surround silicone gaskets keep out moisture, insects, and other contaminants. Each MDL housing utilizes stainless steel hardware and tamper proof screws. A black powder coat finish will resist corrosion, abrasion, and fading.

Note: Housing dimensions shall not exceed 11" X 12" X 6".



FOUR LENSES

The MDL offers the choice between the two lens styles, Prismatic and Architectural. Each lens is constructed to achieve outstanding glare control by concealing or diffusing the lamp source.

Architectural Lens

- Acrylic DR Material - Non-Yellowing
- Contoured Design
- Even Distribution
- Tamper Proof Hardware - Vandal Resistant



Architectural MDL 1-4 Wall Mount



Architectural MDL 5-7 Ceiling Mount

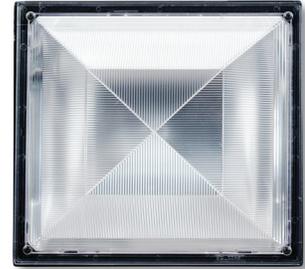
Prismatic Lens

- Durable, SLX Lexan Material
- Geometric Design
 - Smooth Outer Surface Reduces Collection of Dust

Note: The SLX lexan material will only slightly yellow in comparison to other polycarbonate lenses.



Prismatic MDL 1-4 Wall Mount



Prismatic MDL 5-7 Ceiling Mount

1 HOUSING + 4 LENSES + 7 REFLECTORS

SEVEN REFLECTORS

The versatility of the MDL are the seven different optical systems. Each reflector is uniquely designed to effectively address a specific lighting task.

MDL 1-4 (Wall Mount)

- Perimeter Lighting
- Indirect Lighting
- Wall Wash Lighting
- Security Lighting



MDL 1



MDL 2



MDL 3



MDL 4

MDL 5-7 (Ceiling Mount)

- Aisle Lighting
- Parking Garages
- Canopy Lighting
- Security Lighting



MDL 5



MDL 6

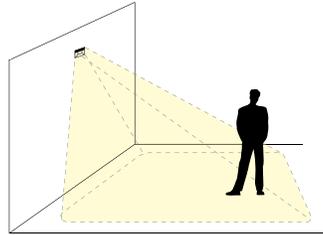


MDL 7

DISTRIBUTION - MDL 1-4

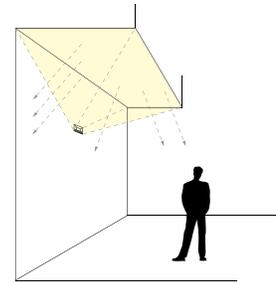
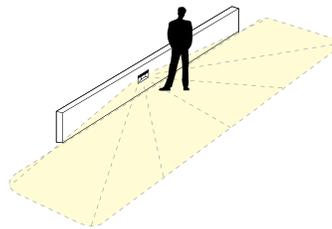
MDL 1

An above eye-level wide-distribution cutoff floodlight for area lighting. The MDL 1 is perfect for areas where an unobtrusive shape is desired by day, and precise, uniform and glare control is required by night.



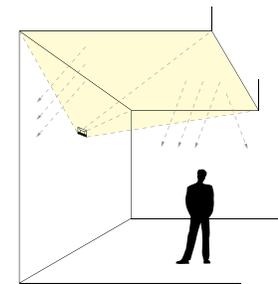
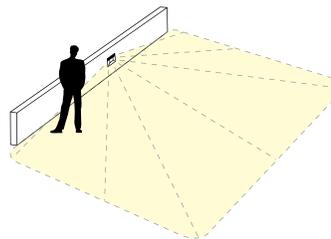
MDL 2

A luminaire with an elongated lateral distribution and shallow forward throw. The MDL 2 can be also be inverted and recessed for indirect lighting. Whether direct or indirect, the MDL 2 offers flexibility in lighting hallways, walkways and pedestrian traffic areas.



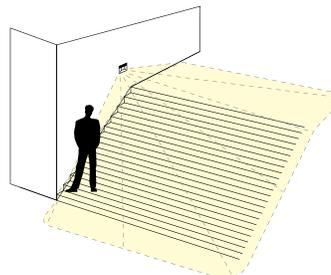
MDL 3

A wide, forward distribution and sharp cutoff luminaire. The MDL 3 allows wider spacing, uniform lighting, and higher efficiency with reduction of glare. The MDL 3 can be inverted and recessed for indirect lighting tasks.



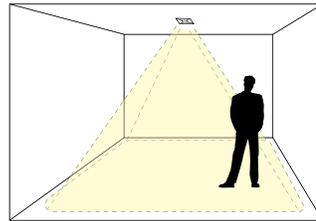
MDL 4

An asymmetric distribution luminaire. The MDL 4 is an efficient solution for lighting stairwells. The MDL 4 uses fewer fixtures and provides better spacing and uniformity than other stairway lumi-



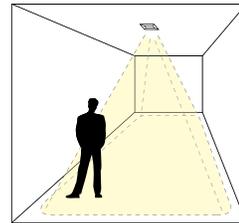
MDL 5

A ceiling mounted symmetric-distribution luminaire. The MDL 5 is ideally suited to lighting large expanses of covered areas such as parking garages and utility spaces.



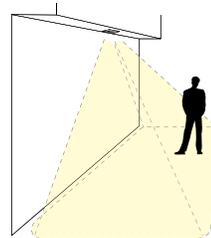
MDL 6

A ceiling mounted luminaire that produces a long and narrow distribution pattern. The MDL 6 is designed for lighting covered pedestrian or vehicle traffic areas.



MDL 7

A ceiling mounted, asymmetric, "forward-throw" luminaire. The MDL 7 is for projecting light over areas that cannot be lighted from directly overhead.



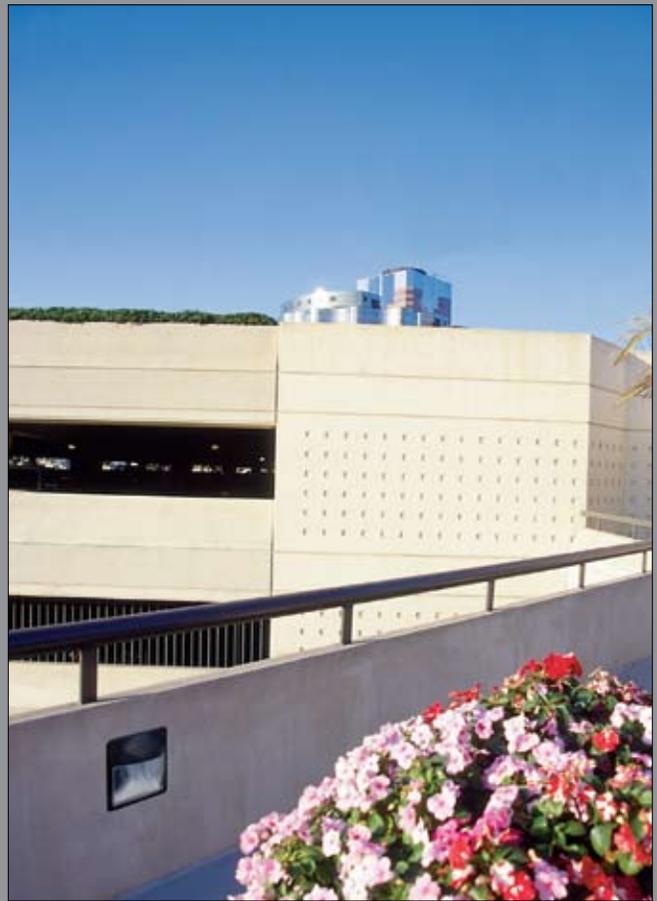
MDL 1-4 DISTRIBUTION

Perimeter Lighting

Indirect Lighting

Wall Wash Lighting

Security Lighting



MDL 2-AL-RDE



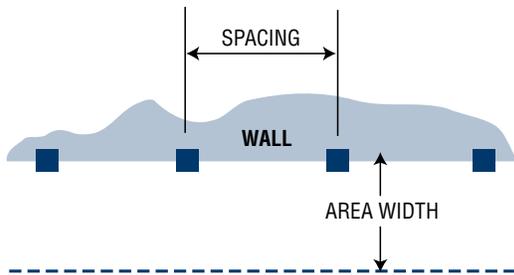
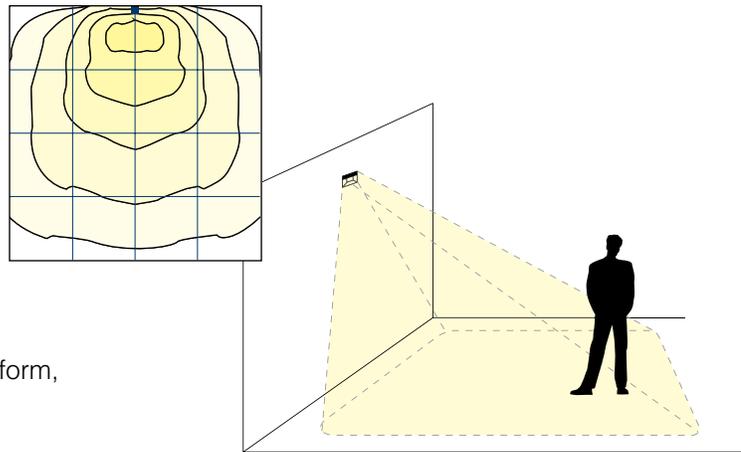
MDL 1-AL-RDE (top), MDL 1-AL-RDE (middle), MDL 2-AL-RDE (bottom)

MDL 1

Forward Throw Applications

- Flood lighting
- Security lighting
- Perimeter lighting
- Above-door lighting

The MDL 1 is ideal for areas where an unobtrusive shape is desired by day, and uniform, glare-free illumination is required at night.



Spacing Guides (based on 100W HPS clear lamp)

The two charts below are spacing guides for the MDL 1 at an 2' and a 4' mounting height. Use these two charts to find the spacing between fixtures (in feet), given minimum or average footcandle criteria, mounting height, and area width.

8' MOUNTING HEIGHT

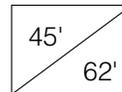
| MINIMUM OR AVERAGE FOOTCANDLES | AREA WIDTH (IN FEET) | | | | | |
|--------------------------------|----------------------|------|------|------|-----|-----|
| | 10' | 20' | 30' | 40' | 50' | 60' |
| .2 | 52'* | 52'* | 52'* | 25'* | - | - |
| .5 | 40'* | 40'* | 38'* | - | - | - |
| 1.0 | 30'* | 30'* | 20'* | - | - | - |
| 2.0 | 21' | 21' | - | - | - | - |
| 5.0 | 15' | 15' | - | - | - | - |
| | 137' | 137' | 112' | 90' | 74' | 62' |
| | 55' | 55' | 45' | 36' | 29' | 25' |

14' MOUNTING HEIGHT

| MINIMUM OR AVERAGE FOOTCANDLES | AREA WIDTH (IN FEET) | | | | | |
|--------------------------------|----------------------|------|------|------|------|------|
| | 10' | 20' | 30' | 40' | 50' | 60' |
| .2 | 63'* | 63'* | 63'* | 63'* | 56'* | 28'* |
| .5 | 42'* | 42'* | 42'* | 42'* | 30'* | - |
| 1.0 | 32'* | 32'* | 32'* | 32'* | - | - |
| 2.0 | 18' | 18' | 18' | 15' | - | - |
| 5.0 | 7' | 7' | 7' | - | - | - |
| | 90' | 90' | 73' | 60' | 48' | 40' |
| | 45' | 45' | 36' | 30' | 25' | 20' |
| | 18' | 18' | 14' | 12' | 10' | 8' |

UNIFORMITY RATIO COLOR KEY (UNIFORMITY=MAX./MIN.)

| | |
|--|----------------|
| | 1/1 to 4.9/1 |
| | 5/1 to 9.9/1 |
| | 10/1 to 14.9/1 |
| | 15/1 to WORSE |



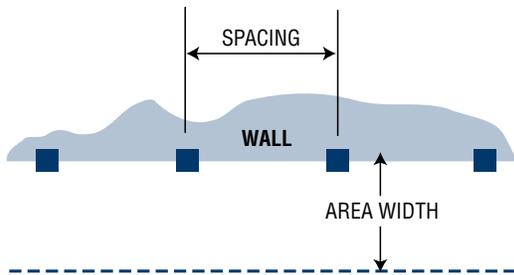
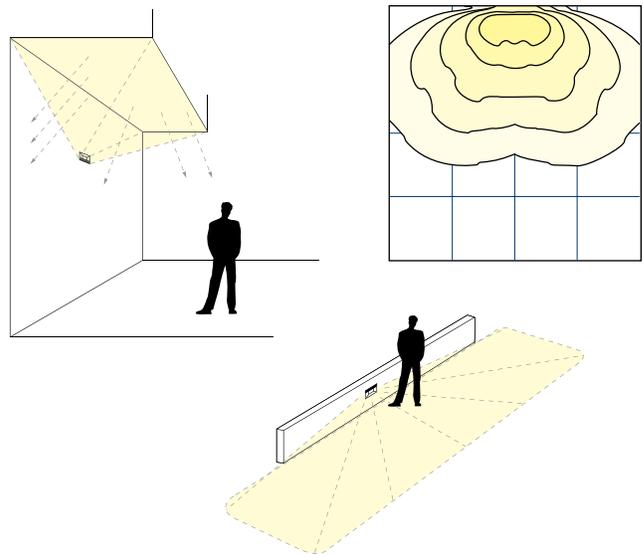
The top number in each square is the spacing for the indicated minimum footcandle level. The lower number is the spacing for the average footcandle level.

MDL 2

Wide, Short Throw Applications

- Pedestrian & vehicular traffic areas
- Indirect lighting
- Wall wash lighting
- Entrance ways

The MDL 2 produces an elongated symmetrical distribution and short forward throw. For indirect lighting, the MDL 2 can be inverted and recessed into an interior wall. For uniform wall washing, it can be recessed into a soffit or a ceiling.



Spacing Guides (based on 100W HPS clear lamp)

The two charts below are spacing guides for the MDL 2 at an 2' and a 4' mounting height. Use these two charts to find the spacing between fixtures (in feet), given minimum or average footcandle criteria, mounting height, and area width.

2' MOUNTING HEIGHT

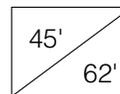
| MINIMUM OR AVERAGE FOOTCANDLES | AREA WIDTH (IN FEET) | | | | | |
|--------------------------------|----------------------|-----|-----|-----|-----|-----|
| | 5' | 10' | 15' | 20' | 25' | 30' |
| .2 | 51' | 51' | 47' | 44' | 30' | - |
| .5 | 39' | 38' | 33' | 24' | - | - |
| 1.0 | 33' | 30' | 24' | - | - | - |
| 2.0 | 27' | 24' | 12' | - | - | - |
| 5.0 | 21' | 12' | - | - | - | - |

4' MOUNTING HEIGHT

| MINIMUM OR AVERAGE FOOTCANDLES | AREA WIDTH (IN FEET) | | | | | |
|--------------------------------|----------------------|-----|-----|-----|-----|-----|
| | 5' | 10' | 15' | 20' | 25' | 30' |
| .2 | 65' | 65' | 65' | 60' | 60' | 54' |
| .5 | 54' | 54' | 52' | 48' | 38' | 24' |
| 1.0 | 45' | 45' | 39' | 33' | - | - |
| 2.0 | 38' | 38' | 27' | - | - | - |
| 5.0 | 28' | 22' | - | - | - | - |

UNIFORMITY RATIO COLOR KEY (UNIFORMITY=MAX./MIN.)

| | |
|--|----------------|
| | 1/1 to 4.9/1 |
| | 5/1 to 9.9/1 |
| | 10/1 to 14.9/1 |
| | 15/1 to WORSE |



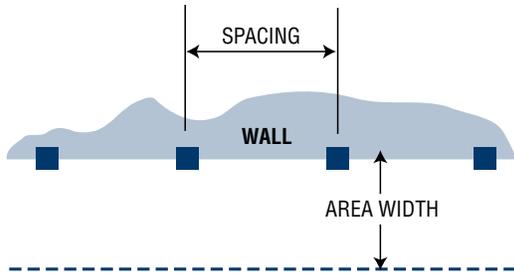
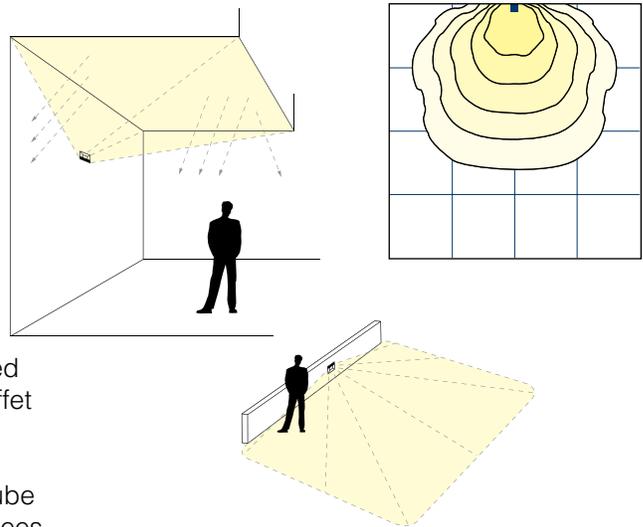
The top number in each square is the spacing for the indicated minimum footcandle level. The lower number is the spacing for the average footcandle level.

MDL 3

Medium Throw Applications

- Flood lighting
- Low level lighting
- Indirect lighting
- Wall wash lighting

The MDL 3 produces a wide, forward distribution with sharp cutoff. The MDL 3 can be inverted and recessed into a wall to produce indirect lighting or recessed in a soffit or ceiling for extreme uniform wall washing. The lamp is horizontally mounted, parallel to the wall surface and fully concealed behind the lens section ensuring that the arc tube and the arc tube images are cutoff sharply above 90 degrees.



Spacing Guides (based on 100W HPS clear lamp)

The two charts below are spacing guides for the MDL 3 at an 2' and a 4' mounting height. Use these two charts to find the spacing between fixtures (in feet), given minimum or average footcandle criteria, mounting height, and area width.

2' MOUNTING HEIGHT

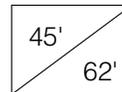
| MINIMUM OR AVERAGE FOOTCANDLES | AREA WIDTH (IN FEET) | | | | | |
|--------------------------------|----------------------|------|------|------|------|-----|
| | 15' | 20' | 25' | 30' | 35' | 40' |
| .2 | 24'* | 24'* | 24'* | 24'* | 18'* | -* |
| .5 | 20'* | 20'* | 20'* | -* | -* | -* |
| 1.0 | 17'* | 17'* | -* | -* | -* | -* |
| 2.0 | 14'* | 6'* | -* | -* | -* | -* |
| 5.0 | 9'* | - | 94' | 80' | 68' | 60' |

4' MOUNTING HEIGHT

| MINIMUM OR AVERAGE FOOTCANDLES | AREA WIDTH (IN FEET) | | | | | |
|--------------------------------|----------------------|------|------|------|------|------|
| | 15' | 20' | 25' | 30' | 35' | 40' |
| .2 | 35'* | 35'* | 35'* | 35'* | 35'* | 35'* |
| .5 | 27'* | 27'* | 27'* | 27'* | 27'* | 10'* |
| 1.0 | 21'* | 21'* | 21'* | 21'* | 98' | 85' |
| 2.0 | 16'* | 16'* | 16'* | 98' | 85' | 75' |
| 5.0 | 12'* | 10'* | - | 40' | 37' | 33' |

UNIFORMITY RATIO COLOR KEY (UNIFORMITY=MAX./MIN.)

| | |
|--|----------------|
| | 1/1 to 4.9/1 |
| | 5/1 to 9.9/1 |
| | 10/1 to 14.9/1 |
| | 15/1 to WORSE |



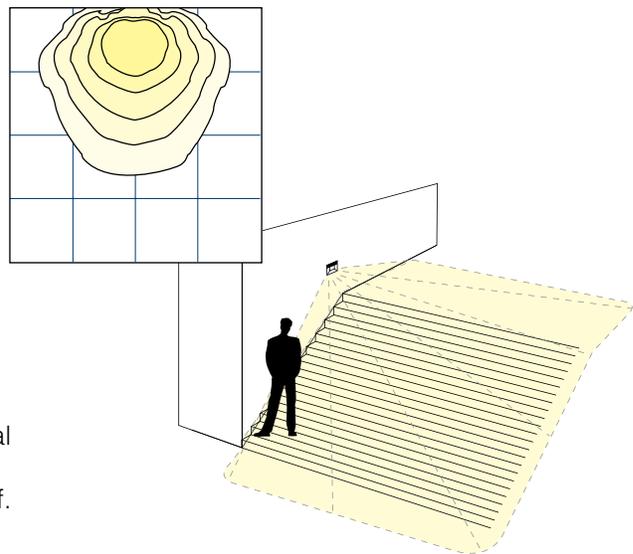
The top number in each square is the spacing for the indicated minimum footcandle level. The lower number is the spacing for the average footcandle level.

MDL 4

Stairwell Throw Applications

- All Stairways
- Inclined Access Ways to Parking Structures
- Inclined Access Ways to Docks

The MDL 4 is designed for wall mounted applications. It produces an asymmetric distribution, excellent for stairways and ramps. The reflector is field adjustable to either a right or left asymmetric distribution. The horizontal lamp is fully concealed behind the opaque lens section ensuring that the arc tube and arc tube images are cutoff.



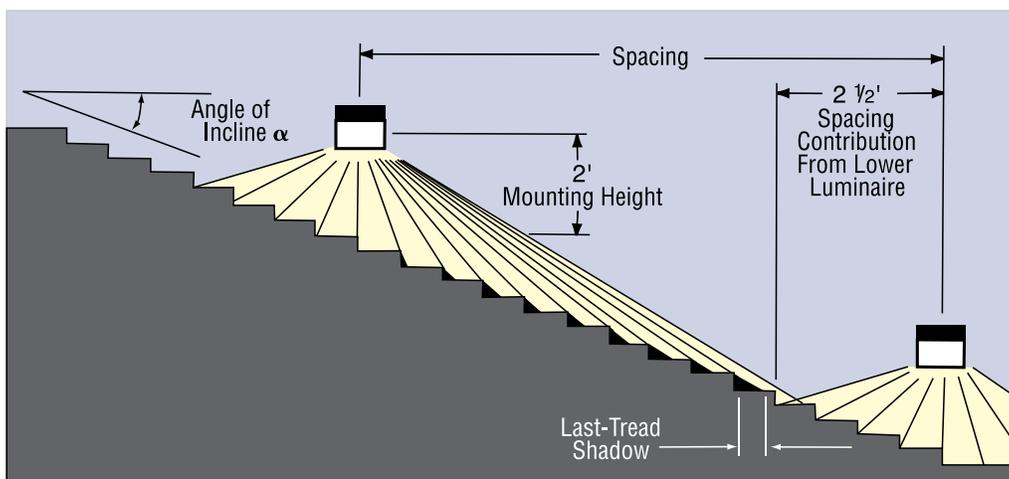
How To Light Stairways

Right & Left

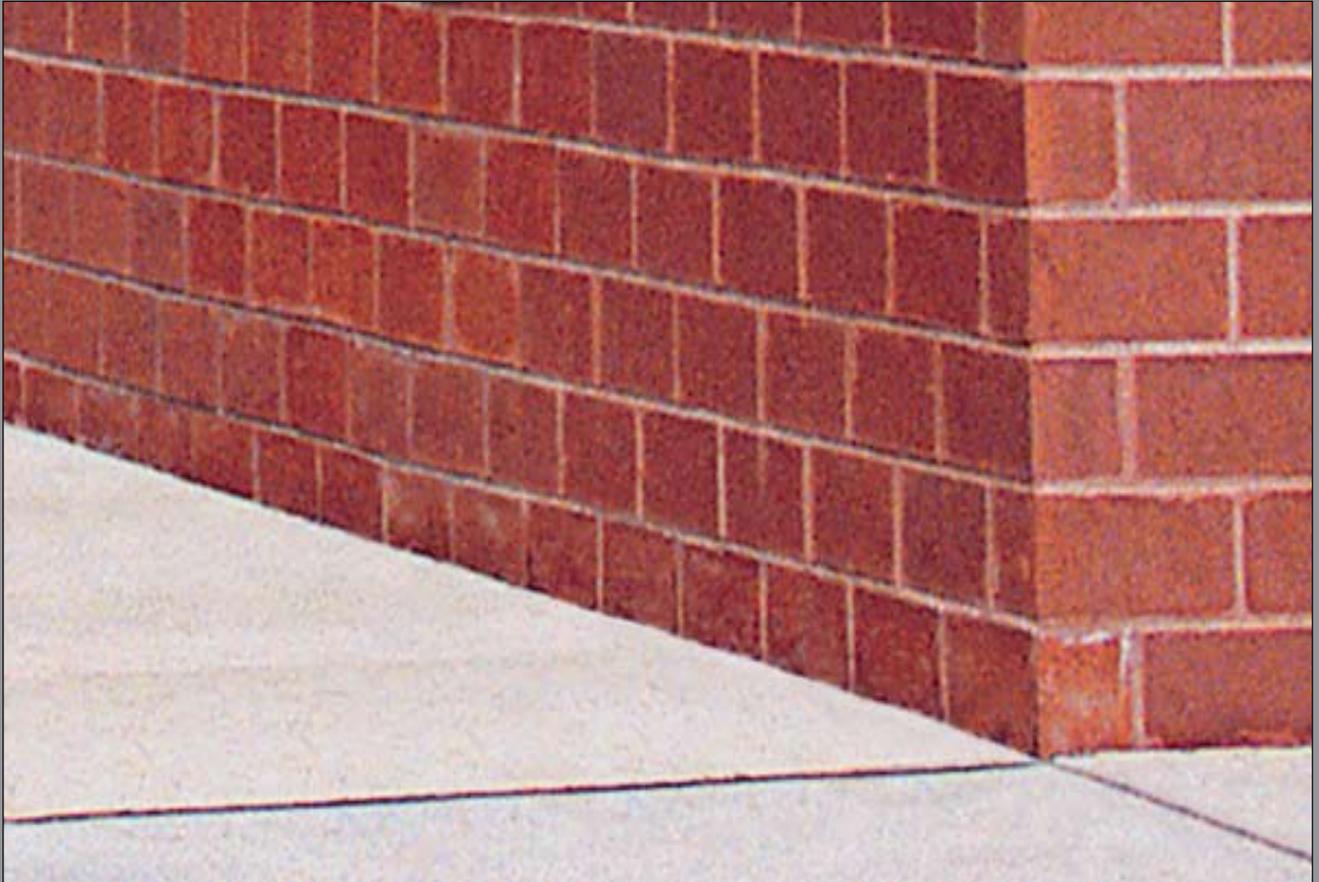
The dialog above shows the recommended positioning of the MDL 4. A field-installed shield is included, with instructions for installation in the down-stairs direction. This shield-reflector combination provides an asymmetric left or right distribution and eliminates glare for the ascending pedestrian.

Lateral Spacing

The maximum recommended spacing is marked by an arrow on the isofootcandle chart for each stair incline. This spacing guarantees no more than 75% of shadow on the last tread as shown on the diagram below.



NOTE: All testing performed by a certified independent laboratory. Photometry is available in IES formatted files on CD or from the Moldcast website for downloading.



MDL 4-PL-RDE



MDL 3-PL-RDE

MDL 5-7 DISTRIBUTION

Aisle Lighting

Canopy Lighting

Parking Garages

Illuminate Narrow Hallways



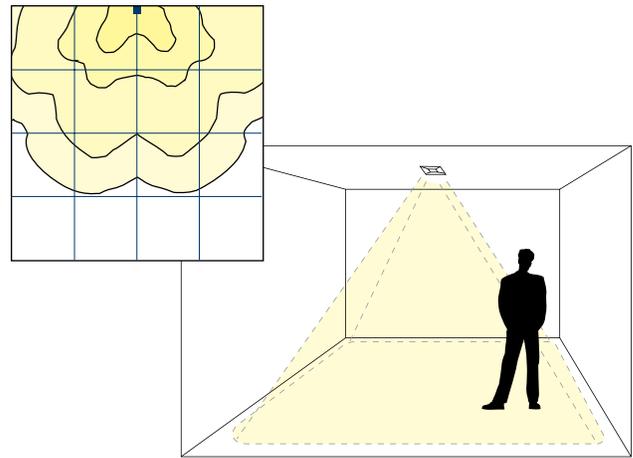
MDL 6-PL-RDE

MDL 5

Symmetrical Distribution Applications

- Covered areas
- Covered parking garages

The MDL 5 is a ceiling mounted fixture that produces a symmetrical distribution with low glare. As a weather tight fixture, it is ideally suited to lighting large covered areas exposed to the weather. The lamp is mounted in a vertical position and is recessed deeply into the housing ensuring that the arc tube and arc tube images are cutoff.



35W HPS LAMP

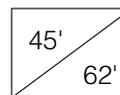
| MINIMUM OR AVERAGE FOOTCANDLES | MOUNTING HEIGHT (IN FEET) | | | |
|--------------------------------|---------------------------|-----|-----|-----|
| | 7' | 8' | 9' | 10' |
| .5 | 34' | 39' | 40' | 46' |
| | 54' | 54' | 54' | 54' |
| 1.0 | 29' | 31' | 34' | 36' |
| | 39' | 39' | 39' | 39' |
| 2.0 | 24' | 24' | 25' | 26' |
| | 27' | 27' | 27' | 27' |
| 5.0 | 12' | 14' | 15' | 15' |
| | 17' | 17' | 17' | 17' |
| 10.0 | 9' | 9' | 10' | 10' |
| | 12' | 12' | 12' | 12' |

100W HPS LAMP

| MINIMUM OR AVERAGE FOOTCANDLES | MOUNTING HEIGHT (IN FEET) | | | |
|--------------------------------|---------------------------|------|------|------|
| | 7' | 8' | 9' | 10' |
| .5 | 51' | 52' | 55' | 62' |
| | 111' | 111' | 111' | 111' |
| 1.0 | 41' | 45' | 50' | 52' |
| | 79' | 79' | 79' | 79' |
| 2.0 | 34' | 40' | 40' | 42' |
| | 55' | 55' | 55' | 55' |
| 5.0 | 26' | 29' | 30' | 30' |
| | 35' | 35' | 35' | 35' |
| 10.0 | 20' | 23' | 23' | 24' |
| | 25' | 25' | 25' | 25' |

UNIFORMITY RATIO COLOR KEY (UNIFORMITY=MAX./MIN.)

| | |
|--|----------------|
| | 1/1 to 4.9/1 |
| | 5/1 to 9.9/1 |
| | 10/1 to 14.9/1 |
| | 15/1 to WORSE |



The top number in each square is the spacing for the indicated minimum footcandle level. The lower number is the spacing for the average footcandle level.

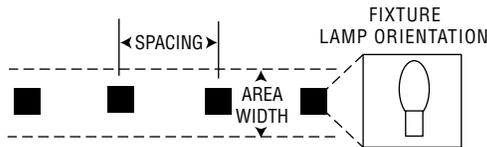
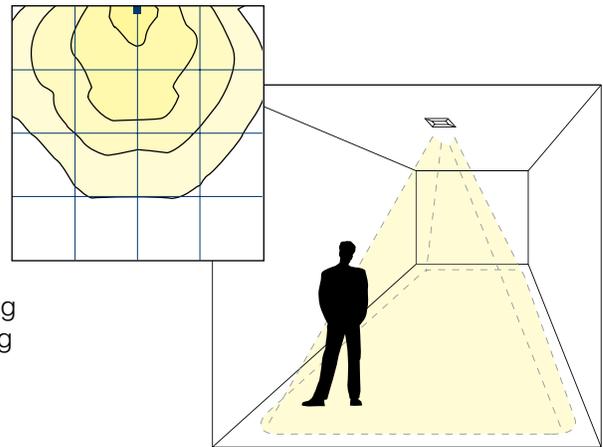
NOTE: All testing performed by a certified independent laboratory. Photometry is available in IES formatted files on CD or from the Moldcast website for downloading.

MDL 6

Elongated Distribution Applications

- Covered pedestrian or vehicular traffic areas
- Aisle lighting

The MDL 6 is a ceiling mounted fixture that produces a long and narrow distribution. It is especially designed for lighting covered pedestrian or vehicular traffic areas.



Spacing Guides (based on 100W HPS clear lamp)

The two charts below are spacing guides for the MDL 6 at an 7' and a 10' mounting height. Use these two charts to find the spacing between fixtures (in feet), given minimum or average footcandle criteria, mounting height, and area width.

7' MOUNTING HEIGHT

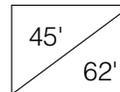
| MINIMUM OR AVERAGE FOOTCANDLES | AREA WIDTH (IN FEET) | | | | | |
|--------------------------------|----------------------|-------|-------|-------|-----|-----|
| | 5' | 10' | 15' | 20' | 25' | 30' |
| .5 | 68' * | 68' * | 68' * | 68' * | - | - |
| 1.0 | 62' * | 62' * | 62' * | 30' * | - | - |
| 2.0 | 56' * | 50' * | 30' * | - | - | - |
| 5.0 | 40' * | 28' * | - | - | - | - |
| | 145' | 145' | 117' | 95' | 75' | 65' |

10' MOUNTING HEIGHT

| MINIMUM OR AVERAGE FOOTCANDLES | AREA WIDTH (IN FEET) | | | | | |
|--------------------------------|----------------------|-------|-------|-------|-------|-----|
| | 5' | 10' | 15' | 20' | 25' | 30' |
| .5 | 65' * | 65' * | 65' * | 65' * | 54' * | - |
| 1.0 | 58' * | 56' * | 48' * | 36' * | - | - |
| 2.0 | 48' * | 40' * | 32' * | - | - | - |
| 5.0 | 32' * | 26' * | - | - | - | - |
| | 57' | 48' | 40' | 32' | 27' | 23' |

UNIFORMITY RATIO COLOR KEY (UNIFORMITY=MAX./MIN.)

| | |
|--|----------------|
| | 1/1 to 4.9/1 |
| | 5/1 to 9.9/1 |
| | 10/1 to 14.9/1 |
| | 15/1 to WORSE |



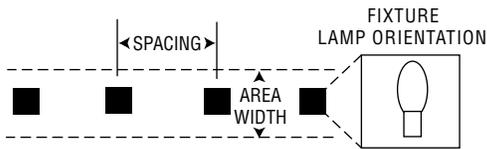
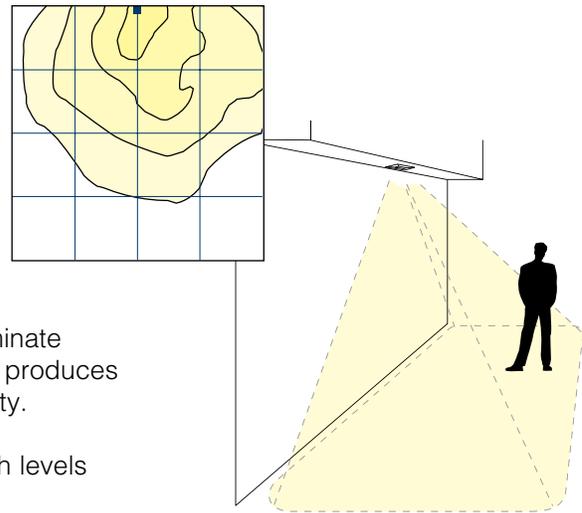
The top number in each square is the spacing for the indicated minimum footcandle level. The lower number is the spacing for the average footcandle level.

MDL 7

Asymmetric Forward Throw Applications

- Tunnels areas
- Bridges
- Parking Garages

The MDL 7 is a ceiling mounted fixture that produces an asymmetric “forward-throw” that is ideally suited to illuminate areas that cannot be lit from directly overhead. The MDL 7 produces an asymmetric pattern with low glare and superior uniformity. Increased spacing ratios have been achieved through the exceptional optical control of the reflector. As a result, high levels of visual comfort can be achieved with reduced glare.



Spacing Guides (based on 100W HPS clear lamp)

The two charts below are spacing guides for the MDL 7 at a 7' and a 10' mounting height. Use these two charts to find the spacing between fixtures (in feet) given minimum or average footcandle criteria, mounting height, and area width. Spacings shown assume no reflected light. With typical reflectance actual light levels will be significantly higher.

7' MOUNTING HEIGHT

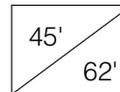
| MINIMUM OR AVERAGE FOOTCANDLES | AREA WIDTH (IN FEET) | | | | |
|--------------------------------|----------------------|-----------|-----------|-------|-------|
| | 5' | 10' | 15' | 20' | 25' |
| .5 | 68'* | 68'* | 68'* | 68'* | 66'* |
| 1.0 | 62'* | 62'* | 62'* | 50'* | - |
| 2.0 | 55'* | 52'* | 44'* | - | 150' |
| 5.0 | 46'*/145' | 34'*/127' | 20'*/108' | -/78' | -/60' |

10' MOUNTING HEIGHT

| MINIMUM OR AVERAGE FOOTCANDLES | AREA WIDTH (IN FEET) | | | | |
|--------------------------------|----------------------|-----------|----------|----------|------|
| | 5' | 10' | 15' | 20' | 25' |
| .5 | 62'* | 62'* | 62'* | 62'* | 56'* |
| 1.0 | 55'* | 55'* | 51'* | 44'* | 36'* |
| 2.0 | 47'*/138' | 40'*/113' | 35'*/85' | 29'*/80' | - |
| 5.0 | 30'*/55' | 26'*/45' | 16'*/34' | - | - |

UNIFORMITY RATIO COLOR KEY (UNIFORMITY=MAX./MIN.)

| | |
|--|----------------|
| | 1/1 to 4.9/1 |
| | 5/1 to 9.9/1 |
| | 10/1 to 14.9/1 |
| | 15/1 to WORSE |



The top number in each square is the spacing for the indicated minimum footcandle level. The lower number is the spacing for the average footcandle level.

ORDERING INFORMATION

| ORDERING EXAMPLES | | | | |
|-------------------|--------|------------|----------------|-----------|
| 1-WALL/CEILING | 2-LENS | 3-MOUNTING | 4-LAMP/BALLAST | 5-OPTIONS |
| MDL 1 | PL | • | 50MH | • |
| MDL 4 | AL | CPM | 100HPS | QRS |

1-WALL IP = 65, Weight = 12 lbs.

MDL 1 Wall mount, 100 watts maximum.

MDL 2 Wall mount, 100 watts maximum.

MDL 3 Wall mount, 100 watts maximum.

MDL 4 Wall mount, 100 watts maximum.

1-CEILING IP = 65, Weight = 12 lbs.

MDL 5 Ceiling mount up to 100MH recessed and 150HPS surface mount max.

MDL 6 Ceiling mount up to 100MH recessed and 150HPS surface mount max.

MDL 7 Ceiling mount up to 100MH recessed and 150HPS surface mount max.

NOTE: Standard housing color shall be black.

2-LENS

PL Prismatic - Geometric Design, SLX Lexan Lens.

AL Architectural - Contour Design, Acrylic Lens.

3-MOUNTING OPTIONS

SJO Surface mount, j-box by others.

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

SJM Surface mount. j-box by MOLDCAST 3/4" taps.

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

RJM Recessed mount. j-box by MOLDCAST 3/4" taps.

PJM Pedestal mount for mounting the MDL 1, 2, 3 & 4 upright, on a horizontal surface. The bottom side of the housing is factory drilled to mate to the pedestal.

CPM Canopy mount for mounting the MDL 1, 2, 3 & 4 upright, on the underside of a horizontal surface. The top side of the housing is factory drilled to mate to the canopy.

FJM Plaster frame with through wiring box. For recessed installation in uninsulated walls or ceilings. (MDL 5, 6 & 7 only)

EZM Easy mount bracket for use with surface,

4-LAMP/BALLAST

CF 26 or 32, 120 thru 277 volt ballast.

50MH 50 watt metal halide medium base ED-17, 120/277 volt ballast.

70MH 70 watt metal halide medium base ED-17, 120/208/240/277 volt multitap ballast.

100MH 100 watt metal halide medium base ED-17, 120/208/240/277 volt ballast.

35HPS 35 watt High pressure sodium medium base ED-17, 120/277 volt ballast.

50HPS 50 watt High pressure sodium medium base ED-17, 120/277 volt ballast.

70HPS 70 watt High pressure sodium medium base ED-17, 120/208/240/277 volt multitap ballast.

100HPS 100 watt High pressure sodium medium base ED-17, 120/208/240/277 volt multitap ballast.

150HPS 150 watt High pressure sodium medium base ED-17, 120/208/240/277 volt multitap ballast.

NOTE: Specify Voltage.

5-OPTIONS

BBU battery backup option will supply power to a compact fluorescent lamp for up to ninety minutes at 60% of the lamp's rated lumen output. (remote location by others)

FS1 Single fuse holder. (fuse by others)

FS2 Double fuse holder. (fuse by other)

QL Socket for T-4 mini-cand halogen lamp. Must be field wired to a separate 120 volt circuit. (MDL 1-4 models only)

QRS Quartz restrike controller and socket for a T-4 mini-cand halogen lamp. (MDL 1-4 models only - not available for 35HPS)

PCR Photocell receptacle, NEMA twist lock for MDL 1, 2, 3 & 4 surface mount applications only. (not available for recessed mounting)

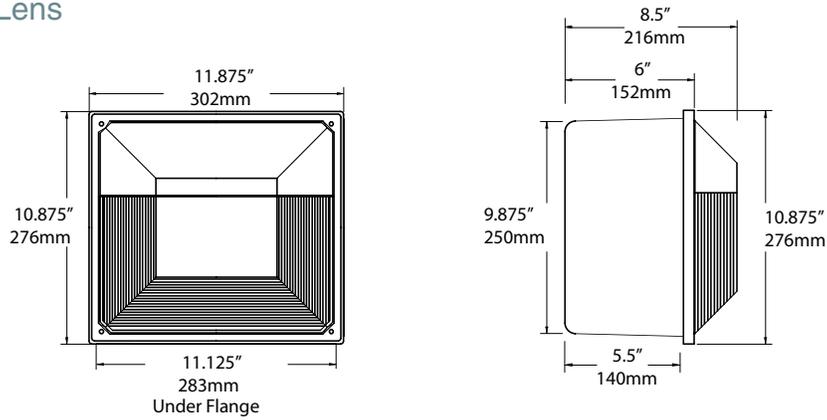
HSA Housing shipped in advance, includes temporary cover and removable ballast tray. (recessed mounting only - RDE or RJM)

PFSA plaster frame shipped in advance. (FJM mounting option only)

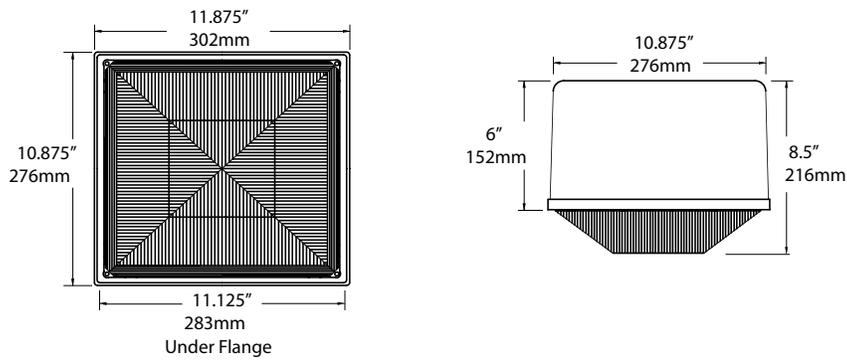
DIMENSIONS

Prismatic Lens

MDL 1-4

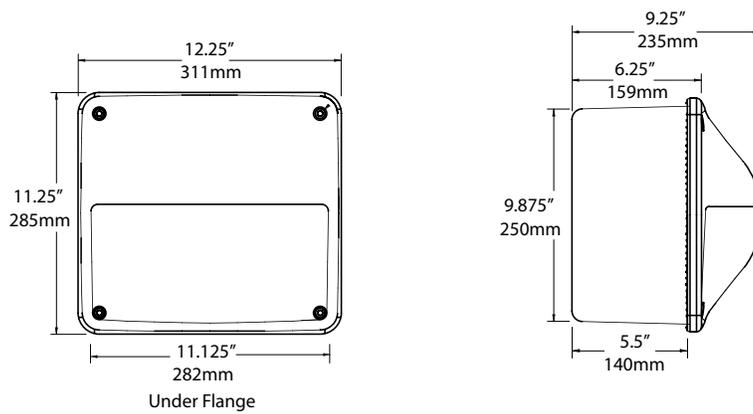


MDL 5-7

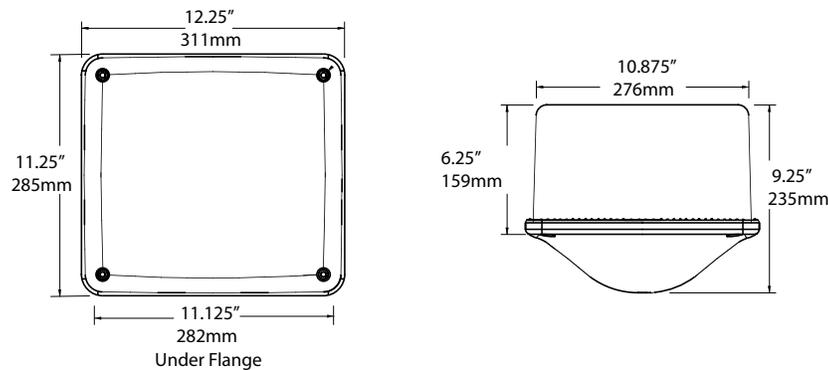


Lens

MDL 1-4

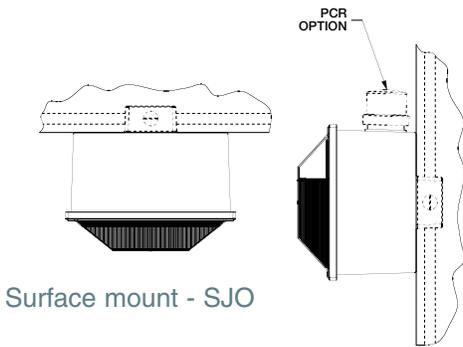


MDL 5-7

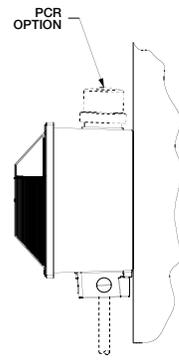


Architectural

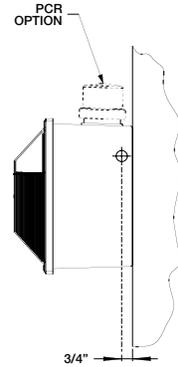
MOUNTING CONFIGURATIONS



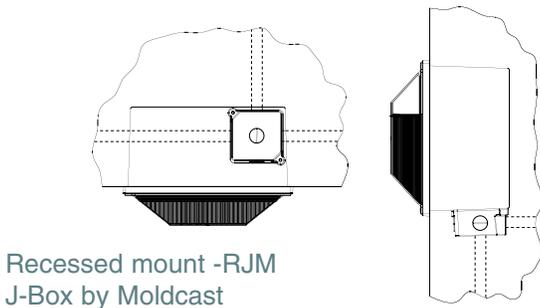
Surface mount - SJO



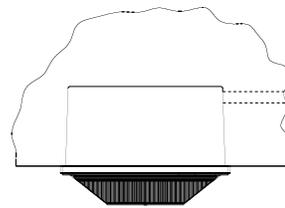
Surface mount - SJM
J-Box by Moldcast



Surface mount - SDE
Direct Conduit

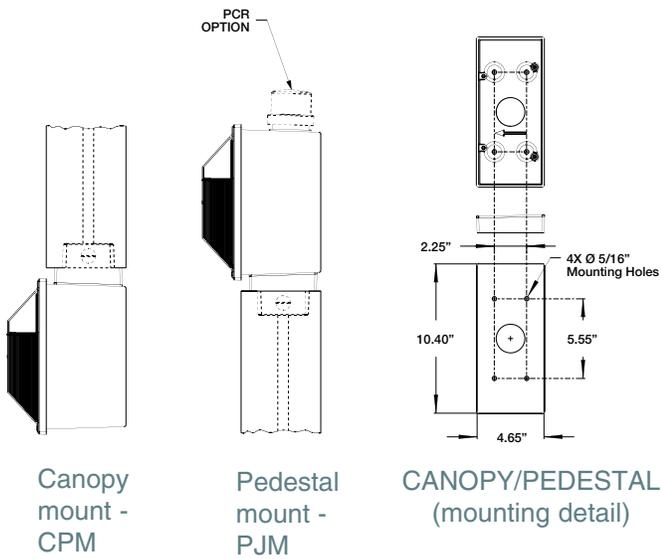


Recessed mount - RJM
J-Box by Moldcast



Recessed mount - RDE
Direct Conduit

Available for MDL 1-4

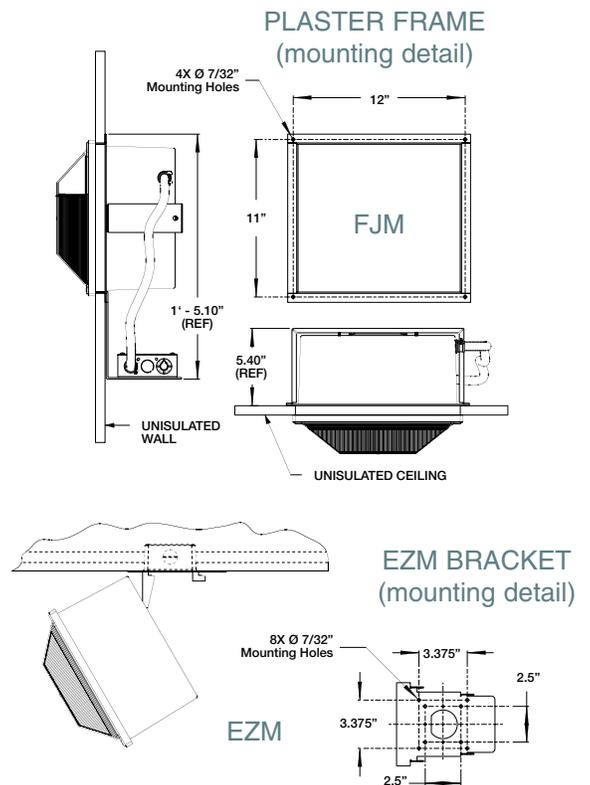


Canopy
mount -
CPM

Pedestal
mount -
PJM

CANOPY/PEDESTAL
(mounting detail)

Available for MDL 5-7



PLASTER FRAME
(mounting detail)

EZM BRACKET
(mounting detail)

Note: For complete mounting dimensions, download MDL spec sheets at www.moldcast.com

SPECIFICATIONS

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 a 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 a 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.

OPTICAL SYSTEM - MDL 1-4

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 - MDL 5-7

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

All electrical components and materials shall be U.L. and CSA recognized. Fixtures shall be suitable for wet location use. IP rating = 65.

WARRANTY

Fixture is warranted for three years. Ballast compo-



MOLDCAST

A Subsidiary of Architectural Area
Lighting

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