

Wall Forms®

W a l l M o u n t e d L u m i n a i r e s

Square · Round · Site · 13 - 150 Watt



Wall Forms®

Wall accent provides the finishing touch to outdoor lighting system. Accenting a building façade, highlighting an entry, providing perimeter lighting and providing ambient up-lighting into an eave or canopy are just a few uses of wall lighting. Kim wall luminaires provide all these benefits and are engineered to last a lifetime with little maintenance.

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5-Day Shipping • Quality On Demand
See Ordering Information Pages



**SITE / AREA
PARKING STRUCTURE
ROADWAY
ARCHITECTURAL FLOOD
ACCENT
LANDSCAPE**

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ENTIRE CONTENTS
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AND D465,015S

www.kimlighting.com



HUBBELL LIGHTING, INC.

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Square Wall Forms

The square Wall Forms luminaires include a wide range of configurations. Five standard arrangements of three side panels, including louvers, open and closed, are combined with subtle ambient fascia lighting to provide identity. The combination of up-lighting and down-lighting effects creates versatility, while recessed and surface mounting options provide application flexibility. ADA compliant configurations are perfect for satisfying perimeter lighting requirements while enhancing building aesthetics.



Square Wall Forms

Round Wall Forms

The Round Wall Forms luminaires include five configurations to suit any building application. The classic spherical shape and cross bar design have become an icon in outdoor lighting. An ADA compliant cutoff downlight design provides perimeter lighting while enhancing architecture.



Round Wall Forms

Site Wallforms

The Site Wallforms luminaires are designed as companion wall mounted lighting fixtures to the Site Lightforms Low Level Luminaires used in pedestrian areas, with shapes that complement a wide variety of architectural styles. The rugged construction is ideal for use in public areas. Designed for projects requiring full cutoff luminaires where light trespass or dark sky considerations are a must. Each Site Wallforms fixture has an optical module engineered to produce an asymmetric light distribution utilizing a horizontal lamp and flat tempered glass lens. The Site Wallforms family is designed for easy installation, has a sealed fixture-to-wall junction and no exposed mounting hardware.



SW1 Site Wallforms



SW3 Site Wallforms



Design Coordination

Wall Forms Square



Matrix™



VSB Vandal-Resistant Square Bollards



The Entablature®



Site Lightforms SL3

Wall Forms Round



AC Series



Site Lightforms SL1



NeoSphere®



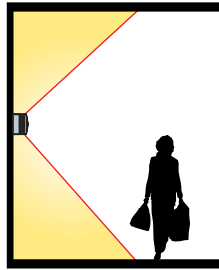
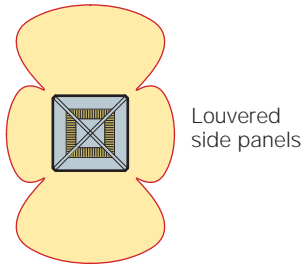
VRB Vandal-Resistant Round Bollards

Wall Forms - Square

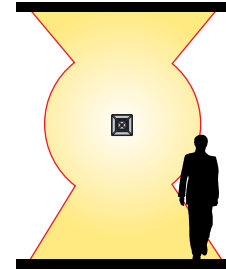
Optical Configurations

Uplight and Downlight with Louvered Sidelight

Open top and bottom panels



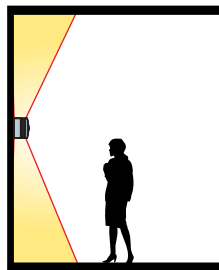
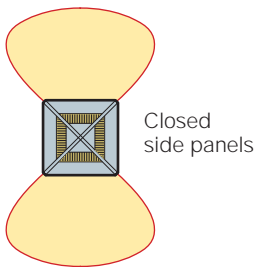
Walkway and Eave Lighting



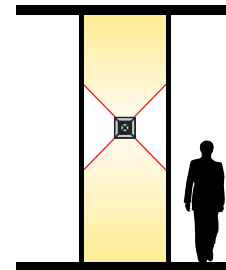
Façade plus Perimeter Walkway

Uplight and Downlight with No Sidelight

Open top and bottom panels



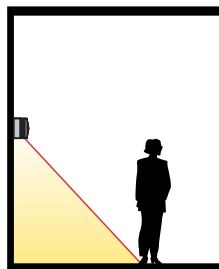
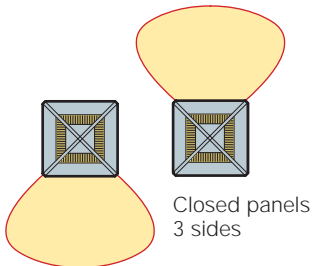
Eaves and Perimeter Walkway



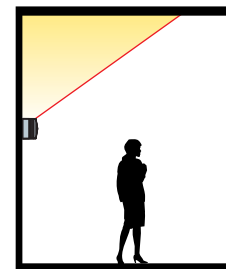
Column and Eave Lighting

Downlight or Uplight Only

Open top or bottom panels



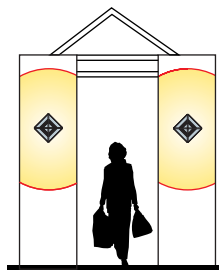
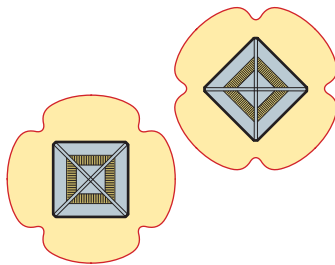
Perimeter Walkway



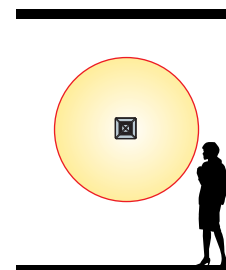
Canopy or Eave Lighting

Halo

Louvered panels on all 4 sides



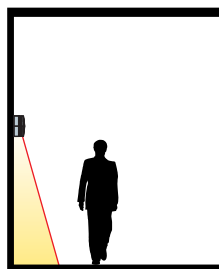
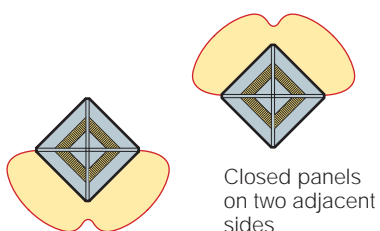
Building Identity



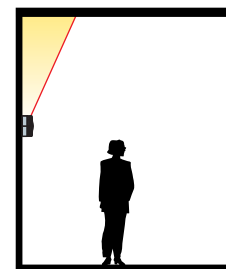
Façade Accent

Diamond Downlight or Uplight Only

Louvered panels on two adjacent sides



Wall Accent

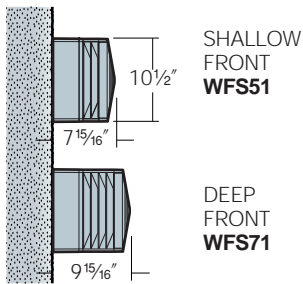


Wall Accent

Wall Forms - Square

Fixture Configurations

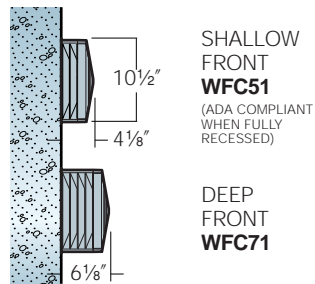
Surface Mount



SHALLOW FRONT
WFS51

DEEP FRONT
WFS71

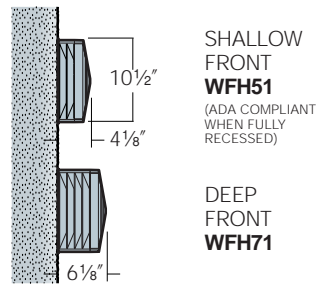
Recessed Concrete



SHALLOW FRONT
WFC51
(ADA COMPLIANT WHEN FULLY RECESSED)

DEEP FRONT
WFC71

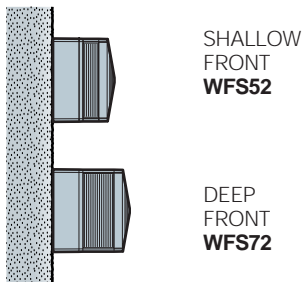
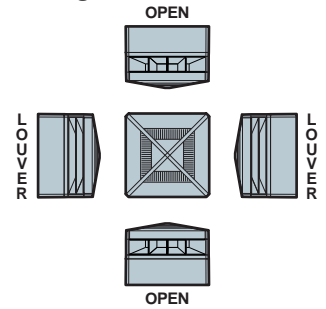
Recessed Hollow Wall



SHALLOW FRONT
WFH51
(ADA COMPLIANT WHEN FULLY RECESSED)

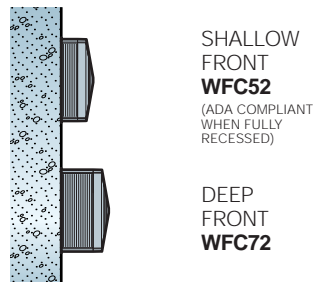
DEEP FRONT
WFH71

Configuration



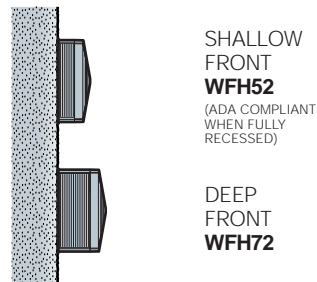
SHALLOW FRONT
WFS52

DEEP FRONT
WFS72



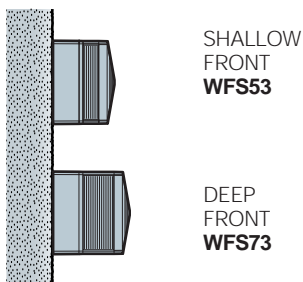
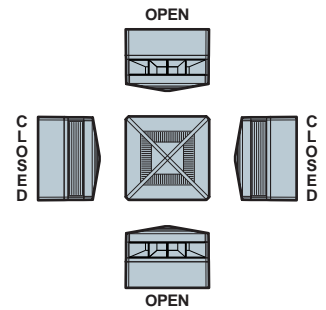
SHALLOW FRONT
WFC52
(ADA COMPLIANT WHEN FULLY RECESSED)

DEEP FRONT
WFC72



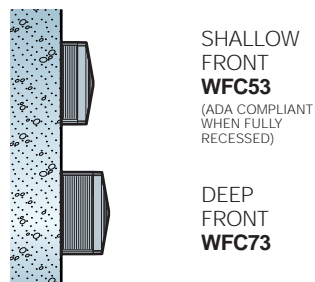
SHALLOW FRONT
WFH52
(ADA COMPLIANT WHEN FULLY RECESSED)

DEEP FRONT
WFH72



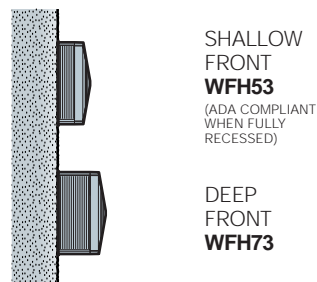
SHALLOW FRONT
WFS53

DEEP FRONT
WFS73



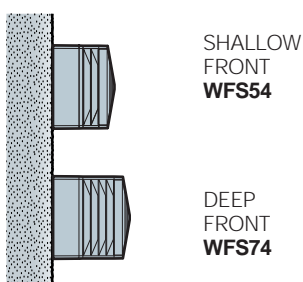
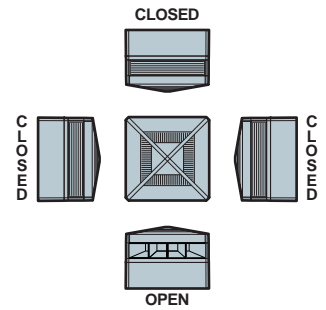
SHALLOW FRONT
WFC53
(ADA COMPLIANT WHEN FULLY RECESSED)

DEEP FRONT
WFC73



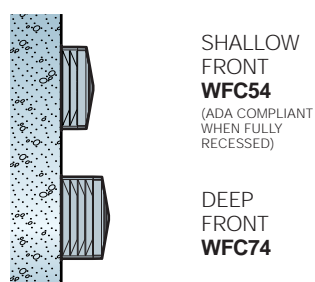
SHALLOW FRONT
WFH53
(ADA COMPLIANT WHEN FULLY RECESSED)

DEEP FRONT
WFH73



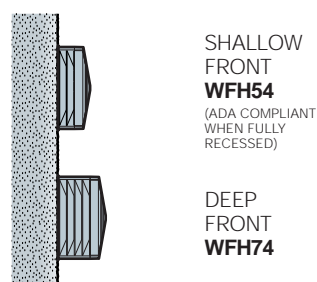
SHALLOW FRONT
WFS54

DEEP FRONT
WFS74



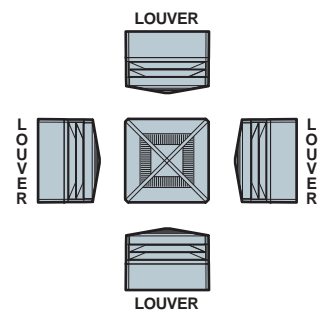
SHALLOW FRONT
WFC54
(ADA COMPLIANT WHEN FULLY RECESSED)

DEEP FRONT
WFC74

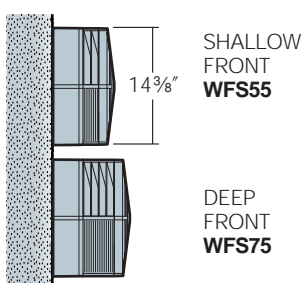


SHALLOW FRONT
WFH54
(ADA COMPLIANT WHEN FULLY RECESSED)

DEEP FRONT
WFH74

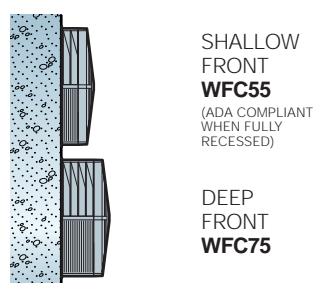


Can be mounted at 45° for "diamond" appearance.



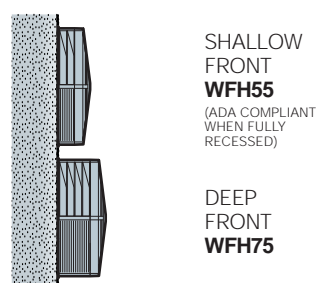
SHALLOW FRONT
WFS55

DEEP FRONT
WFS75



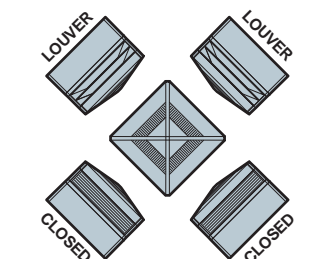
SHALLOW FRONT
WFC55
(ADA COMPLIANT WHEN FULLY RECESSED)

DEEP FRONT
WFC75



SHALLOW FRONT
WFH55
(ADA COMPLIANT WHEN FULLY RECESSED)

DEEP FRONT
WFH75



Wall Forms - Square

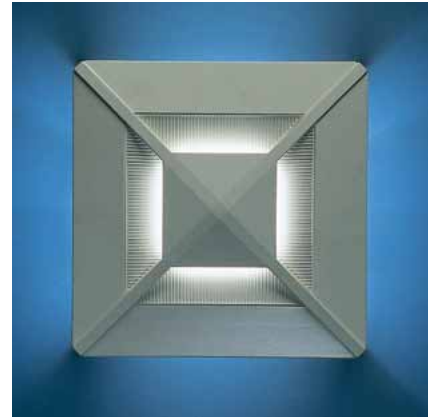
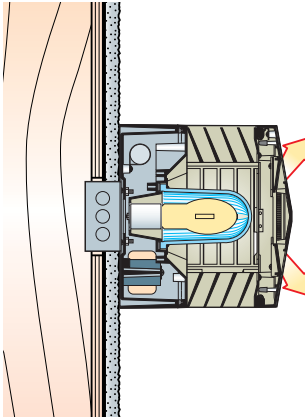
Design Features

Face Panel

The center detail in the face panel design, coupled with textured inserts, produce a lighted halo that reinforces and enhances the shape of the fixture.

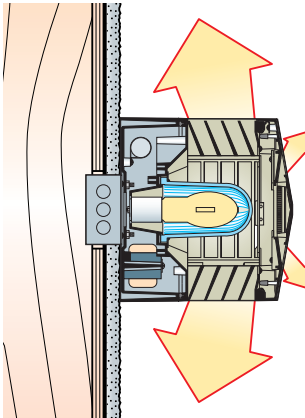
A spring loaded latch secures the face panel without visible fasteners.

A captive stainless steel safety cable is included to retain the face panel during relamping.



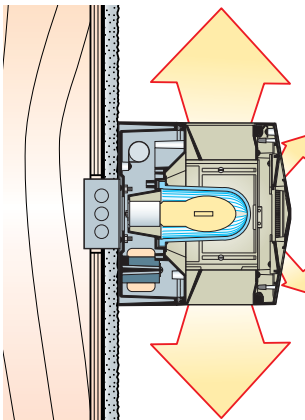
Louvered Panel

Angled louvers are specifically designed to block visibility of the light source, while directing light output to the surrounding wall surfaces.



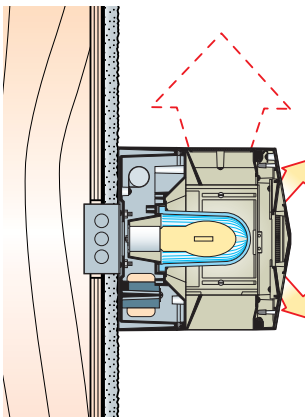
Open Panel

Unique radial pattern louvers are open to the light source, providing maximum light projection away from the building surface.



Closed Panel

Closed ribbed panel blocks all light from the side. Used in conjunction with the open or louvered panels to tailor output and control unwanted light in selected directions.



Die-Cast Aluminum Components

The housing, component mounting plate, interchangeable louver modules and face plate are die-cast low copper aluminum for precision, repeatability and longevity.

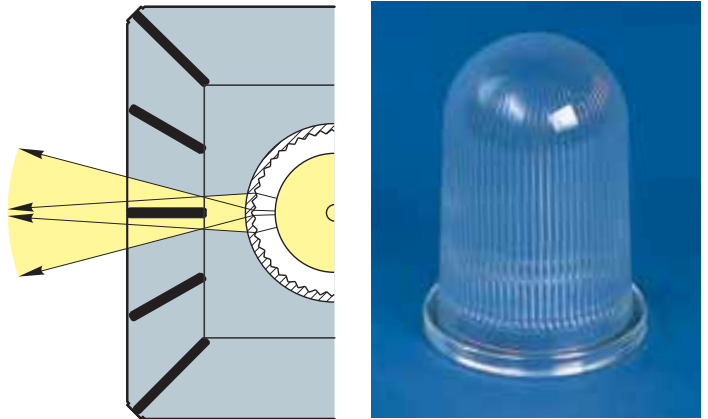
Louver modules are individual components to provide ultimate configuration flexibility.



Molded and Heat Treated Glass Lens

The molded and heat treated glass lens has a minimum thickness of $\frac{3}{16}$ " with internal flutes, sealed to the component mounting plate with a one piece silicone gasket.

Internal prisms eliminate shadows by refracting light around louvers and structural components. Smooth outer surfaces provide easy cleaning. Phosphor coated lamps are recommended.

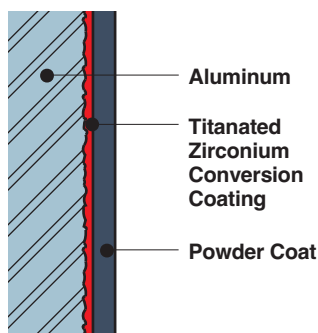


Durable Powder Coat Finish

Kim's state-of-the-art powder coat paint system is engineered to provide the highest quality finish with absolute paint adhesion under weather extremes. The Super TGIC thermoset polyester powder coat finish is applied over a Titanated Zirconium conversion coating. This finish system has exceeded the A.S.T.M. 2500 hour salt spray test.

Eight Stage Finish

1. Power wash and degrease.
2. Detergent tank bath.
3. Clear water rinse bath.
4. Premium Titanated Zirconium conversion coating as used in the automobile industry.
5. Clear water rinse bath.
6. Dry off oven.
7. Powder coating, 2.5 mil nominal thickness.
8. Bake for 20 minutes at 410°F.



Standard Super TGIC Colors

- BL** Black
- DB** Dark Bronze
- LG** Light Gray
- PS** Platinum Silver
- WH** White



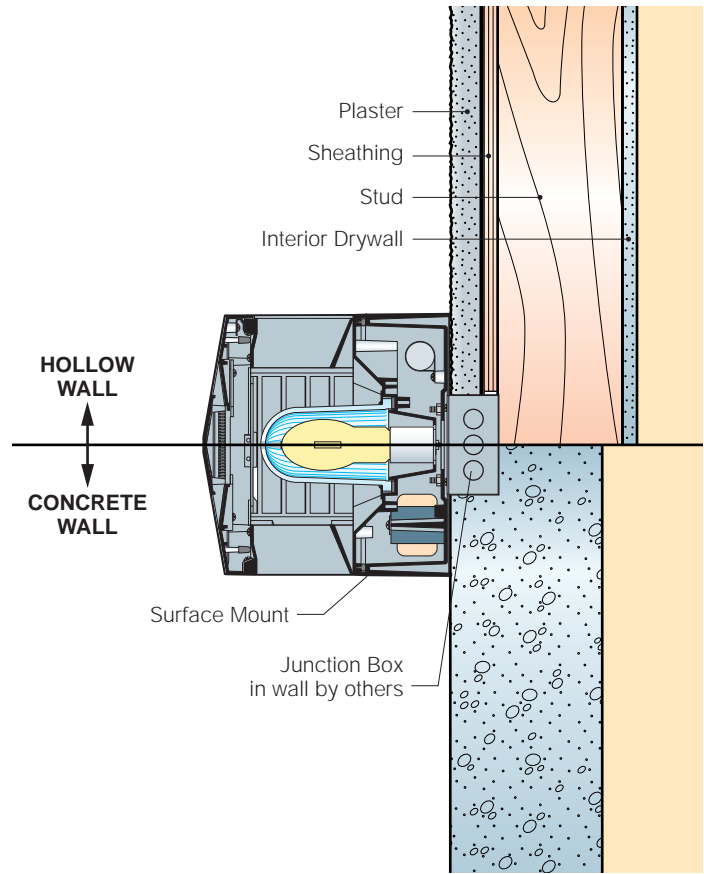
Wall Forms - Square

Three Mounting Methods

1. Surface Mount

All surface mounted Wall Forms install directly to standard junction boxes. A zinc plated steel mounting bracket is first attached to the junction box, and field wires are pulled through. Wall Form housings mount to threaded studs protruding from the bracket. The electrical components are factory mounted and prewired inside the housing. After making the field wire connections to the fixture and installing the lamp, the fully gasketed face plate is mounted with four captive stainless steel screws.

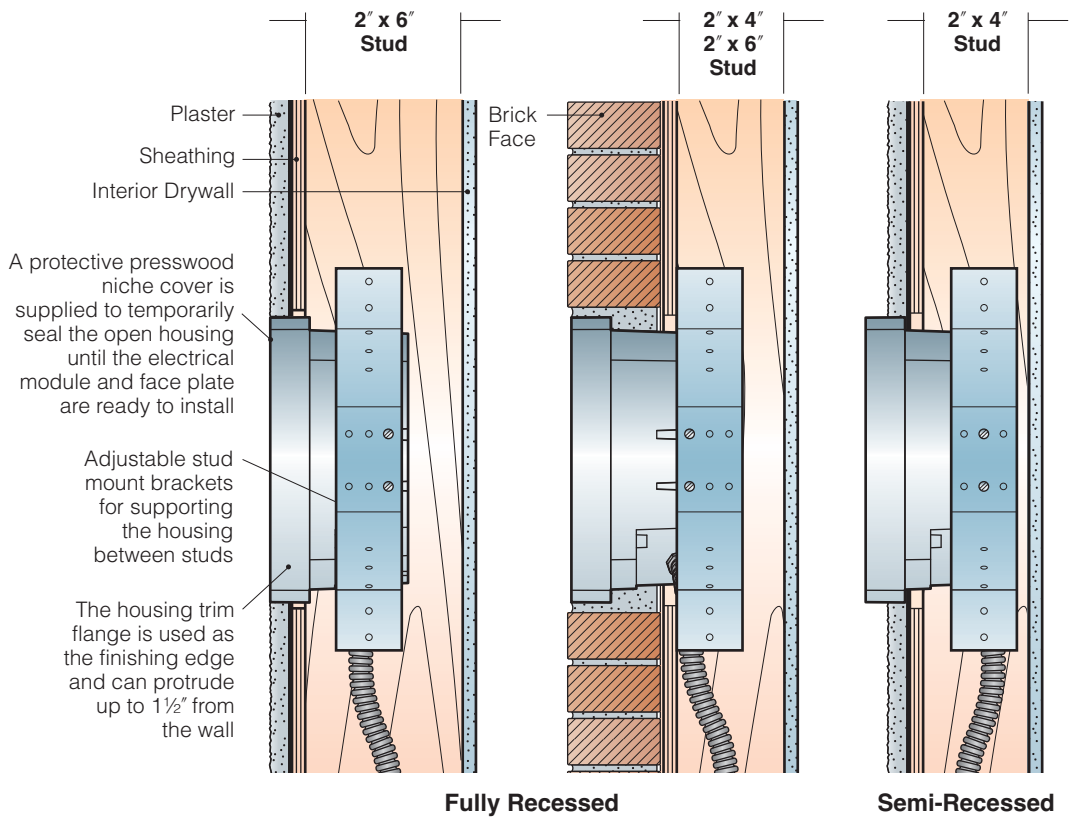
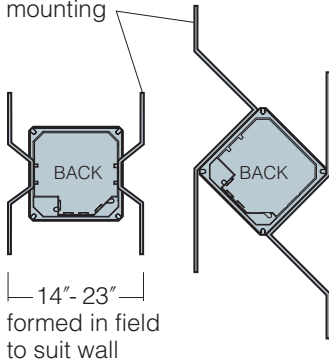
NOTE: To prevent water entry into the junction box and fixture, installer must apply a bead of silicone sealant around the junction box perimeter, sealing the fixture/wall interface.



2. Recessed Hollow Wall

Housings are shipped devoid of all electrical components, with adjustable mounting brackets for attachment to studs. Protective presswood niche covers are supplied to temporarily seal the open housings until the electrical modules and face plates are ready to install.

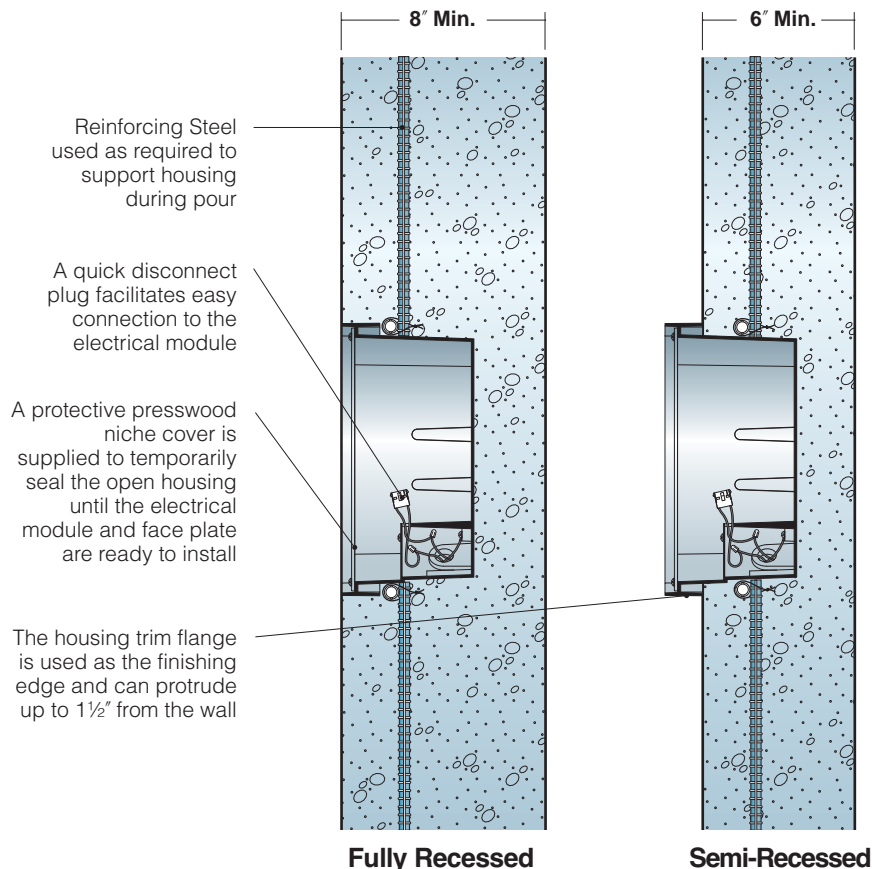
Adjustable Stud Mount Brackets provided for straight or diagonal fixture mounting



NOTE: Recessed Hollow Wall models are supplied with an insulation detector for H.I.D. No insulation is permitted above the housing or within 3" of sides and bottom. Detector will cut power if fixture overheats due to insulation.

3. Recessed Concrete

Housings are shipped as pour items devoid of all electrical components. Protective presswood niche covers are supplied to temporarily seal the open housings until the electrical modules and face plates are ready to install.



Wall Forms - Square

Ordering Information

Ordering Example:	Fixture WFS51 / 100PMH277 /	Electrical Module PS	Finish / SF /	Options TS																																				
	1	2	3	4	5																																			
<p>1 Fixture:</p> <p>Cat. No. designates WF panel configuration, mounting and front depth.</p> <p>NOTE: Side panels may be reconfigured during installation to suit specific design needs. Specify the product indicated that includes the combination of different panels desired (Open, Closed and/or Louvered). Communicate to the fixture installer the exact final configuration desired, to be adjusted during installation.</p>	<p style="text-align: center;">Panel Configuration L=Louvered O=Open C=Closed</p>																																							
<p>Surface Mounted:</p> <p>Shallow Front¹</p> <p>Deep Front</p>	<p>Cat. No.:</p> <p>Cat. No.:</p>	<p>WFS51</p> <p>WFS71</p>	<p>WFS52</p> <p>WFS72</p>	<p>WFS53</p> <p>WFS73</p>	<p>WFS54</p> <p>WFS74</p>	<p>WFS55</p> <p>WFS75</p>																																		
<p>Recessed Concrete</p> <p>Shallow Front¹</p> <p>(ADA Compliant when fully recessed)</p> <p>Deep Front</p>	<p>Cat. No.:</p> <p>Cat. No.:</p>	<p>WFC51</p> <p>WFC71</p>	<p>WFC52</p> <p>WFC72</p>	<p>WFC53</p> <p>WFC73</p>	<p>WFC54</p> <p>WFC74</p>	<p>WFC55</p> <p>WFC75</p>																																		
<p>Recessed Hollow Wall</p> <p>Shallow Front¹</p> <p>(ADA Compliant when fully recessed)</p> <p>Deep Front</p>	<p>Cat. No.:</p> <p>Cat. No.:</p>	<p>WFH51</p> <p>WFH71</p>	<p>WFH52</p> <p>WFH72</p>	<p>WFH53</p> <p>WFH73</p>	<p>WFH54</p> <p>WFH74</p>	<p>WFH55</p> <p>WFH75</p>																																		
<p>2 Electrical Module:</p> <p>HPS = High Pressure Sodium</p> <p>PMH = Pulse Start Metal Halide</p> <p>PL = Compact Fluorescent</p> <p>See lamp and electrical data on page 28 for ballast types and characteristics.</p>	<table border="1" style="width: 100%; text-align: center;"> <tr> <td>50HPS120</td> <td>70HPS120</td> <td>100HPS120</td> <td>150HPS120³</td> </tr> <tr> <td>50HPS277</td> <td>70HPS277</td> <td>100HPS277</td> <td>150HPS277³</td> </tr> <tr> <td>50HPS347</td> <td>70HPS347</td> <td>100HPS347</td> <td>150HPS347³</td> </tr> <tr> <td colspan="4">42PL^{1,2}</td> </tr> <tr> <td>50PMH120</td> <td>70PMH120</td> <td>100PMH120</td> <td>150PMH120³</td> </tr> <tr> <td>50PMH277</td> <td>70PMH277</td> <td>100PMH277</td> <td>150PMH277³</td> </tr> <tr> <td>50PMH347</td> <td>70PMH347</td> <td>100PMH347</td> <td>150PMH347³</td> </tr> </table> <table border="1" style="width: 100%; text-align: center;"> <tr> <td>Lamp Watts</td> <td>Lamp Type</td> <td>Line Volts</td> </tr> <tr> <td>100</td> <td>PMH</td> <td>277</td> </tr> </table> <p>NOTE: Due to the Energy Independence and Security Act (EISA) of 2007, Kim Lighting can no longer supply probe start metal halide ballasts with its luminaires, effective January 1, 2009. Contact Kim Lighting for availability of replacement ballasts for warranty service claims. (Visit www.aboutlightingcontrols.org or the Library of Congress website for more details).</p>						50HPS120	70HPS120	100HPS120	150HPS120³	50HPS277	70HPS277	100HPS277	150HPS277³	50HPS347	70HPS347	100HPS347	150HPS347³	42PL^{1,2}				50PMH120	70PMH120	100PMH120	150PMH120³	50PMH277	70PMH277	100PMH277	150PMH277³	50PMH347	70PMH347	100PMH347	150PMH347³	Lamp Watts	Lamp Type	Line Volts	100	PMH	277
50HPS120	70HPS120	100HPS120	150HPS120³																																					
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Lamp Watts	Lamp Type	Line Volts																																						
100	PMH	277																																						
<p>3 Finish:</p> <p>Super TGIC powder coat paint over Titanated Zirconium conversion coating.</p>	<p>Color:</p> <p>Cat. No.:</p>	<p>Black BL</p> <p>Dark Bronze DB</p>	<p>Light Gray LG</p> <p>Light colors recommended for optimum fixture visibility and output.</p>	<p>Platinum Silver PS</p>	<p>White WH</p>	<p>Custom Colors CC</p> <p>Consult representative for custom colors.</p>																																		
<p>4 Optional Single Fusing:</p>	<p>Cat. No.:</p>	<p>SF</p>	<p>Single fusing for 120V, 277V, and 347V primary.</p>																																					
<p>5 Optional Tamper-Resistant Face Plate Screw:</p>	<p>Cat. No.:</p>	<p>TS</p>	<p>Face plate provided with stainless steel flat head allen screw to prevent unauthorized opening of spring latch.</p>																																					

Luminaire Specifications

Housing:

Surface Mount: Die-cast, low-copper (<.6% Cu) aluminum¹ with double side walls. Zinc plated steel mounting plate supplied for mounting to standard 3" or 4" junction box.

Recessed Concrete: Die-cast, low-copper (<.6% Cu) aluminum¹ with clear anodize under powder coat finish to match louver and face plate. Integral junction box (21 cubic inch volume) with four 3/4" NPT conduit taps. Presswood niche cover provided as temporary protection against moisture.

Recessed Hollow Wall: Die-cast, low-copper (<.6% Cu) aluminum¹ with clear anodize under powder coat finish to match louver and face plate. Integral junction box (21 cubic inch volume) with four 3/4" NPT conduit taps. Presswood niche cover provided as temporary protection against moisture. (H.I.D.): Supplied with adjustable stud mount brackets plus insulation detector in place of one side conduit tap. Quick disconnect plug supplied for electrical module.

Component Mounting Plate: Die-cast, low-copper (<.6% Cu) aluminum¹ with mounting holes and lens seating cavity. Sealed to housing with one-piece silicone gasket.

Louver Module: Die-cast, low-copper (<.6% Cu) aluminum¹ with mounting guides for interchangeable side panels. Louvered, open, and closed, secured to housing with four stainless steel screws.

Face Plate: Die-cast, low-copper (<.6% Cu) aluminum¹ with lighted front accent. Face plate provided with spring loaded latch for tool-less removal. The assembly is preassembled and includes a hanging cable for ease of lamp replacement. Secures to louver module with stainless steel hanger and spring latch. No exposed hardware.

Lens: Molded and heat treated glass, 3/16" minimum thickness with internal flutes. Sealed to component mounting plate with one piece silicone gasket.

Socket: (H.I.D.): Porcelain medium base socket rated 4KV. (Fluorescent): Plastic GX24q-3/GX24q-4 base socket.

Ballast:

Surface Mount: All components mounted within housing with quick disconnect plug. (H.I.D.): Reactor - High power factor with starting temperatures of -40°F. for HPS and -20°F. for MH lamp modes. For MH/120 volt, a step-up transformer is provided. For HPS/277 volt, a step-down transformer is provided. For MH and HPS/347 volt, a step-down transformer is provided. (Fluorescent): Encapsulated with thermal cutoff. Electronic with multi-voltage (108V to 305V) input, 50/60 HZ, High power factor with starting temperatures of -0°F.

Recessed: All components mounted on component mounting plate with quick disconnect plug. (H.I.D.): Reactor - High power factor with starting temperatures of -40°F. for HPS and -20°F. for MH lamp modes. For MH/120 volt, a step-up transformer is provided. For HPS/277 volt, a step-down transformer is provided. For MH and HPS/347 volt, a step-down transformer is provided. (Fluorescent): Encapsulated with thermal cutoff. Electronic with multi-voltage (108V to 305V) input, 50/60 HZ, High power factor with starting temperatures of -0°F.

See lamp and electrical data on page 28 for ballast types and characteristics.

Finish: Super TGIC thermoset polyester powder coat paint, 2.5 mil nominal thickness, applied over a Titanated Zirconium conversion coating; 2500 hour salt spray test endurance rating. Standard colors are Black, Dark Bronze, Light Gray, Platinum Silver, or White. Custom colors are available and subject to additional charges, minimum quantities and longer lead times. Consult representative.

Certification: UL Listed to U.S. and Canadian safety standards for wet locations. Fixture manufacturer shall employ a quality program that is certified to meet the ISO 9001:2000 standard.

Pour Items: Recessed housings, devoid of all electrical components. Protective presswood niche covers are supplied to temporarily seal the open housings until the electrical modules and face plates are ready to install. Quick disconnect plugs supplied for electrical modules. For recessed hollow wall configurations, insulation detectors supplied in place of one conduit tap for H.I.D. No insulation is permitted above the housing or within 3" of sides and bottom. Detectors will cut power if fixtures overheat due to insulation.

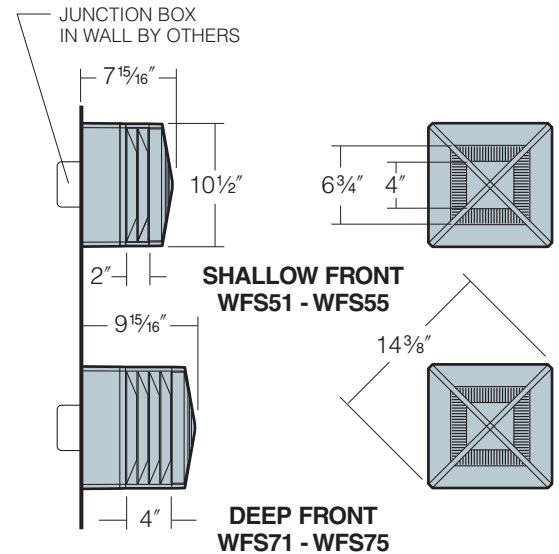
Finishing Items: Electrical modules, panels and face plates. Each set of finishing items shall be in one container, clearly marked with the fixture catalog number.

CAUTION: Fixtures must be grounded in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.

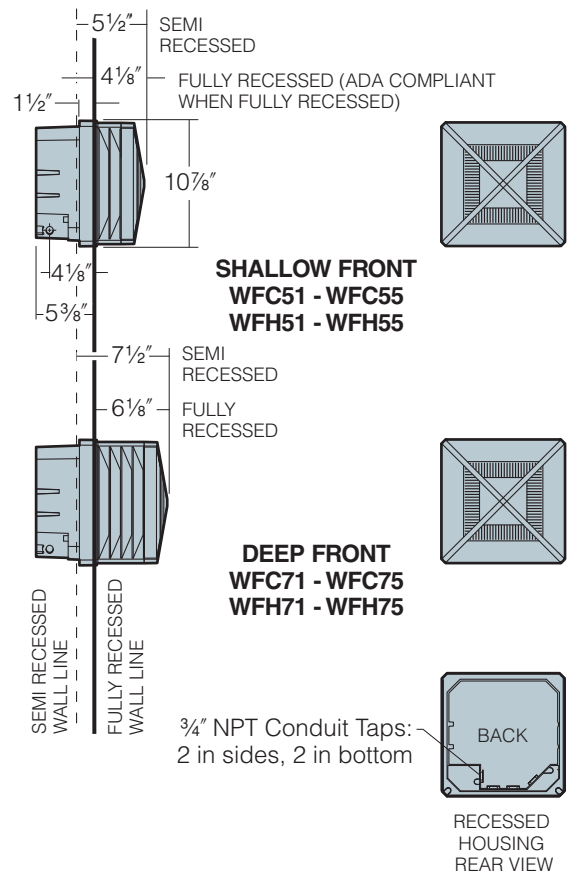
Dimensions

Square Wall Forms Model
26 to 150 watt

Surface Mount



Recessed Mount



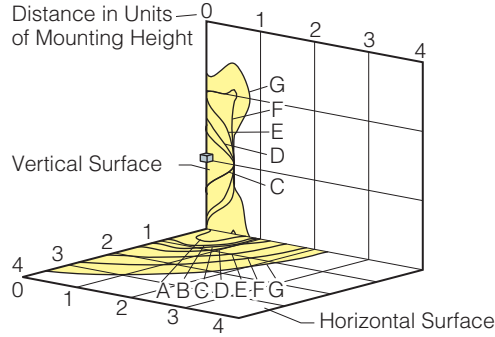
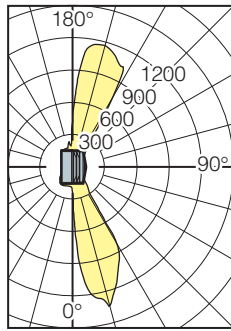
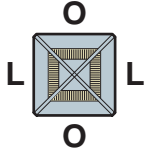
¹The aluminum material used in the die-castings is a customized 360 aluminum alloy. Additional silicone is added to the composition to allow improved molten flow characteristics that provide greater detailing and shaping.

Wall Forms - Square

ED-17 coated medium base
8,000 Initial Lumens

Photometrics - 100 Watt Pulse Start Metal Halide

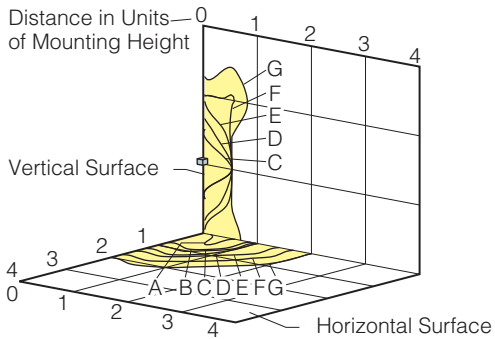
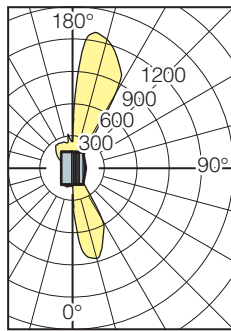
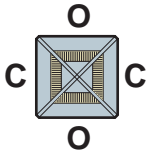
WFS71
Surface Mount
Deep Front
White Paint



Initial Footcandles at Listed PMH				
	7'	8'	9'	10'
A	6.53	5.00	3.95	3.20
B	2.61	2.00	1.58	1.28
C	1.31	1.00	0.79	0.64
D	0.65	0.50	0.40	0.32
E	0.26	0.20	0.16	0.13
F	0.13	0.10	0.08	0.06
G	0.07	0.05	0.04	0.03

Test No. KL0003

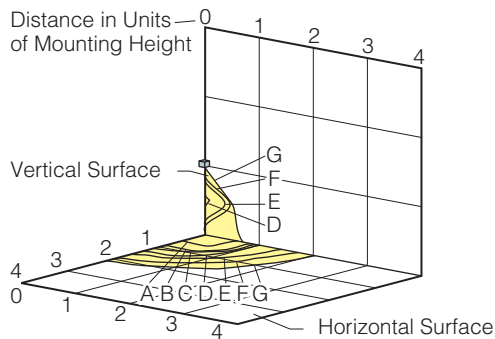
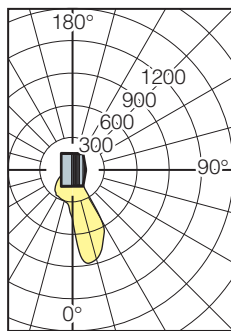
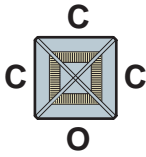
WFS72
Surface Mount
Deep Front
White Paint



Initial Footcandles at Listed PMH				
	7'	8'	9'	10'
A	6.53	5.00	3.95	3.20
B	2.61	2.00	1.58	1.28
C	1.31	1.00	0.79	0.64
D	0.65	0.50	0.40	0.32
E	0.26	0.20	0.16	0.13
F	0.13	0.10	0.08	0.06
G	0.07	0.05	0.04	0.03

Test No. KL0004

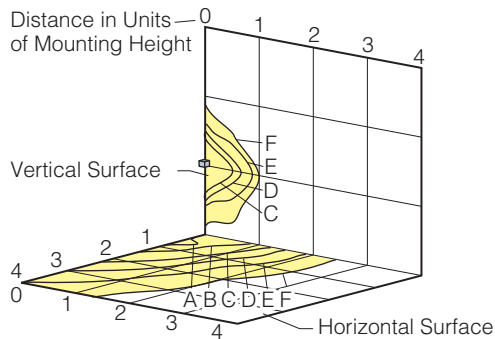
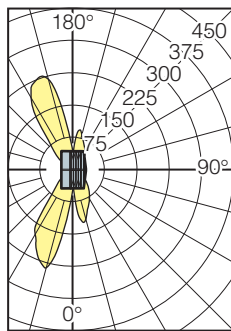
WFS73
Surface Mount
Deep Front
White Paint



Initial Footcandles at Listed PMH				
	7'	8'	9'	10'
A	6.53	5.00	3.95	3.20
B	2.61	2.00	1.58	1.28
C	1.31	1.00	0.79	0.64
D	0.65	0.50	0.40	0.32
E	0.26	0.20	0.16	0.13
F	0.13	0.10	0.08	0.06
G	0.07	0.05	0.04	0.03

Test No. KL0005

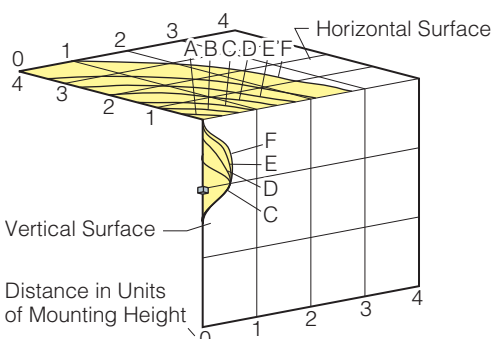
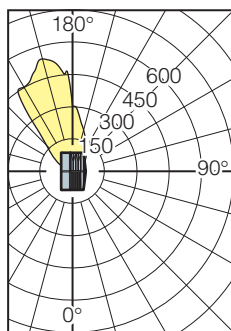
WFS74
Surface Mount
Deep Front
White Paint



Initial Footcandles at Listed PMH				
	7'	8'	9'	10'
A	2.61	2.00	1.58	1.28
B	1.31	1.00	0.79	0.64
C	0.65	0.50	0.40	0.32
D	0.26	0.20	0.16	0.13
E	0.13	0.10	0.08	0.06
F	0.07	0.05	0.04	0.03

Test No. KL0006

WFS75
Surface Mount
Deep Front
White Paint



Initial Footcandles at Listed PMH				
	7'	8'	9'	10'
A	2.61	2.00	1.58	1.28
B	1.31	1.00	0.79	0.64
C	0.65	0.50	0.40	0.32
D	0.26	0.20	0.16	0.13
E	0.13	0.10	0.08	0.06
F	0.07	0.05	0.04	0.03

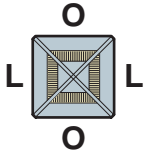
Test No. KL0007

GX24q-4 4 pin base
3,200 Initial Lumens

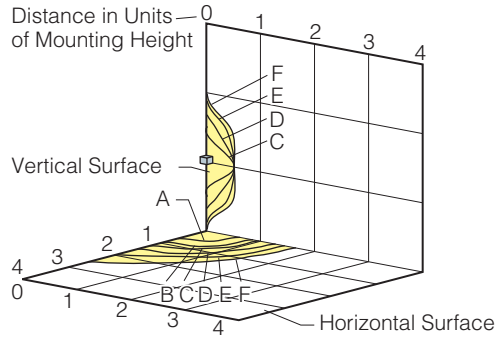
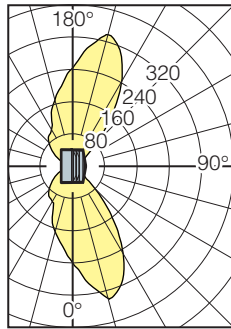
Photometrics - 42 Watt Compact Fluorescent

WFS71

Surface Mount
Deep Front
White Paint



Test No. KL00080

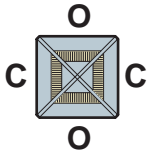


Initial Footcandles at Listed PMH

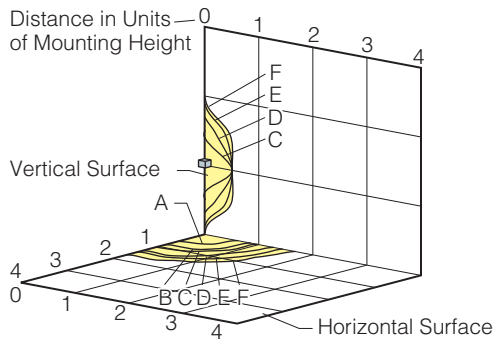
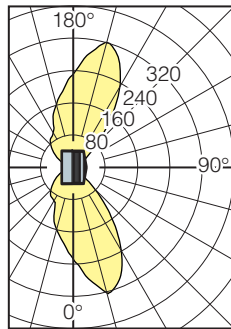
	7'	8'	9'	10'
A	2.61	2.00	1.58	1.28
B	1.31	1.00	0.79	0.64
C	0.65	0.50	0.40	0.32
D	0.26	0.20	0.16	0.13
E	0.13	0.10	0.08	0.06
F	0.07	0.05	0.04	0.03

WFS72

Surface Mount
Deep Front
White Paint



Test No. KL00081

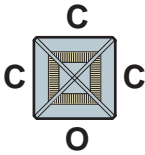


Initial Footcandles at Listed PMH

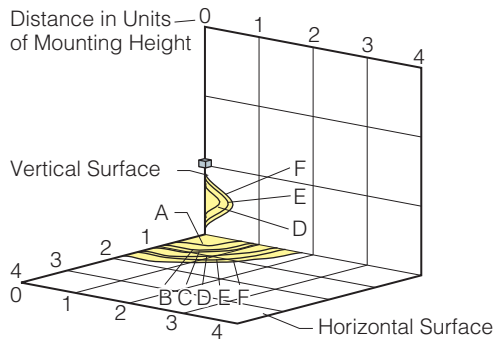
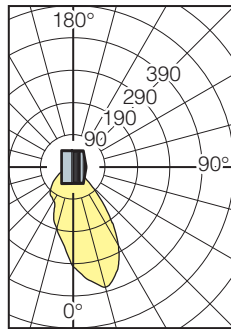
	7'	8'	9'	10'
A	2.61	2.00	1.58	1.28
B	1.31	1.00	0.79	0.64
C	0.65	0.50	0.40	0.32
D	0.26	0.20	0.16	0.13
E	0.13	0.10	0.08	0.06
F	0.07	0.05	0.04	0.03

WFS73

Surface Mount
Deep Front
White Paint



Test No. KL00082



Initial Footcandles at Listed PMH

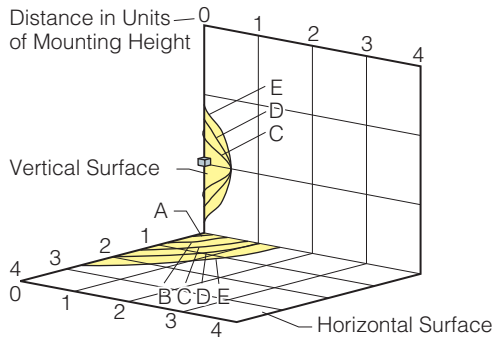
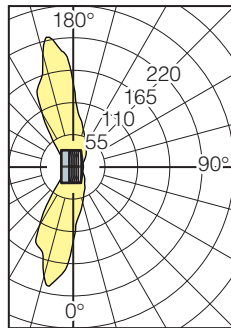
	7'	8'	9'	10'
A	2.61	2.00	1.58	1.28
B	1.31	1.00	0.79	0.64
C	0.65	0.50	0.40	0.32
D	0.26	0.20	0.16	0.13
E	0.13	0.10	0.08	0.06
F	0.07	0.05	0.04	0.03

WFS74

Surface Mount
Deep Front
White Paint



Test No. KL00083



Initial Footcandles at Listed PMH

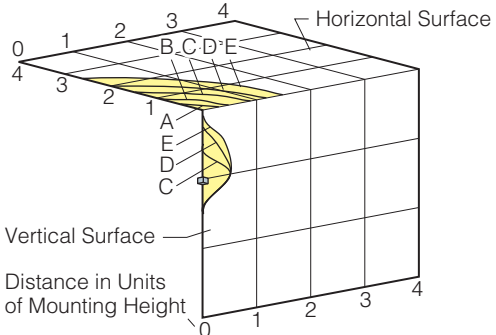
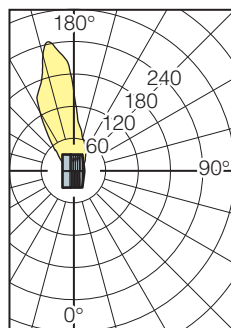
	7'	8'	9'	10'
A	1.31	1.00	0.79	0.64
B	0.65	0.50	0.40	0.32
C	0.26	0.20	0.16	0.13
D	0.13	0.10	0.08	0.06
E	0.07	0.05	0.04	0.03

WFS75

Surface Mount
Deep Front
White Paint



Test No. KL00084



Initial Footcandles at Listed PMH

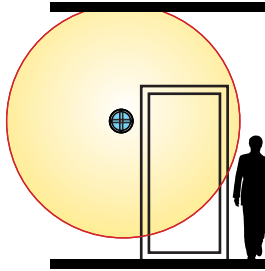
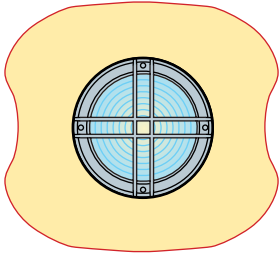
	7'	8'	9'	10'
A	1.31	1.00	0.79	0.64
B	0.65	0.50	0.40	0.32
C	0.26	0.20	0.16	0.13
D	0.13	0.10	0.08	0.06
E	0.07	0.05	0.04	0.03

Wall Forms - Round

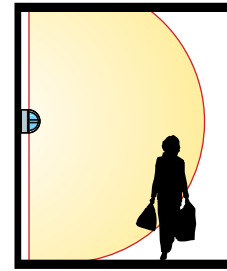
Optical Features

Uplight and Downlight

Smooth or internally prismatic etched lens glass



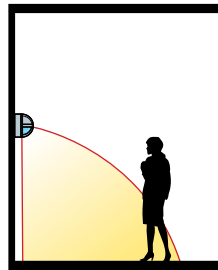
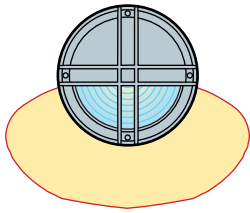
Building Façade



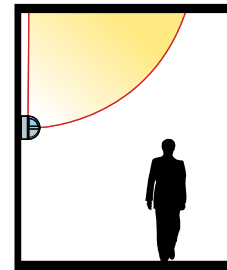
Perimeter Walk and Eave Lighting

Downlight with an exposed lens or Uplight in protected areas

Smooth or internally prismatic etched lens glass



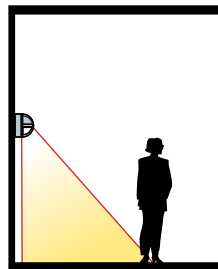
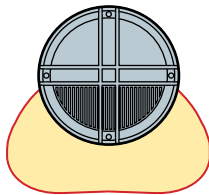
Perimeter Walkway



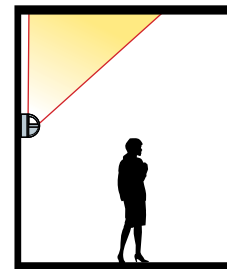
Eave Lighting

Downlight with a flat lens or Uplight in protected areas

Flat etched glass lens, textured lower panel



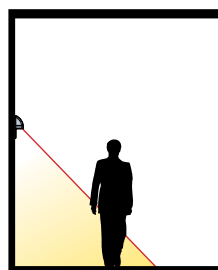
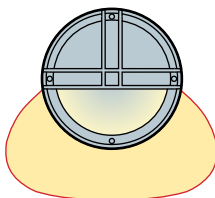
Perimeter Walkway



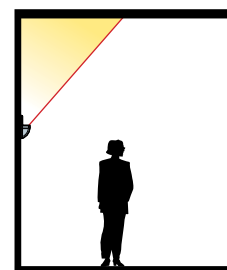
Eave / Entry Lighting

Downlight with a flat lens or Uplight in protected areas (ADA compliant when fully recessed)

Recessed flat etched glass lens,
smooth recessed lower panel



Perimeter Walkway

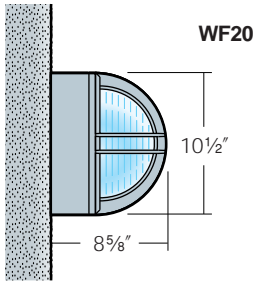


Eave / Entry Lighting

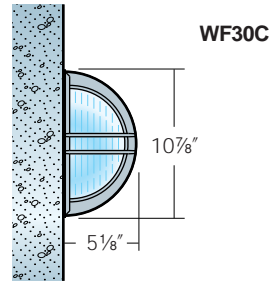
Wall Forms - Round

Fixture Configurations

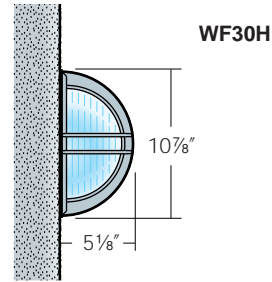
Surface Mount



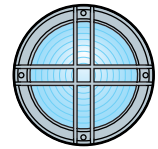
Recessed Concrete Mount



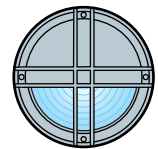
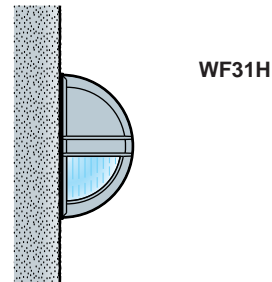
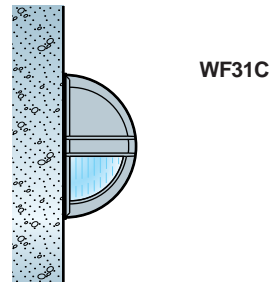
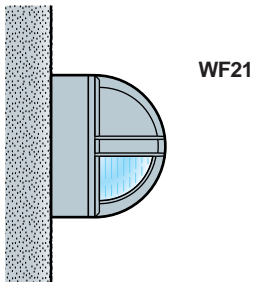
Recessed Hollow Wall



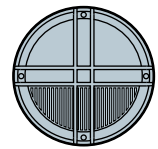
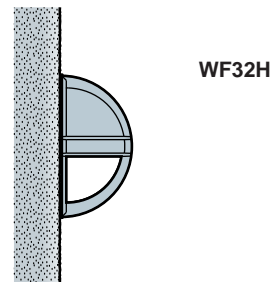
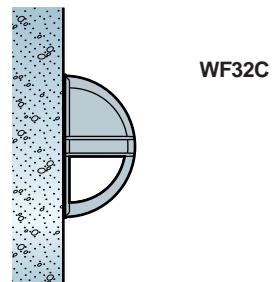
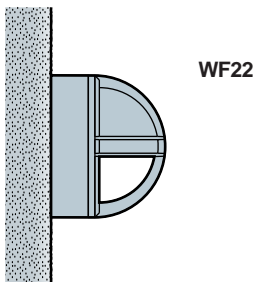
Configuration



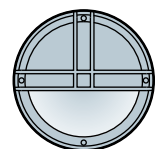
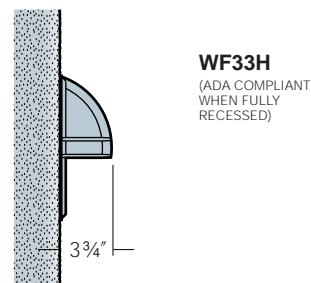
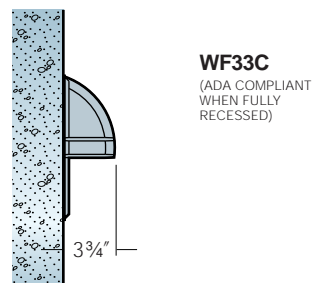
FULL FACE



HALF FACE



CUTOFF FACE



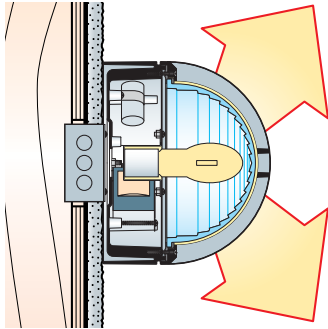
SHALLOW CUTOFF FACE

Wall Forms - Round

Design Features

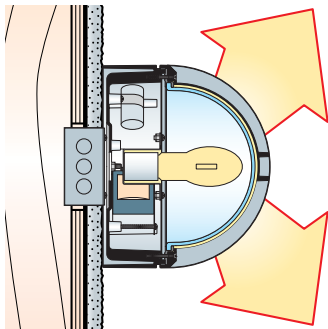
Prismatic Lens

Open face design with internal lens prisms provides maximum visual impact with an additional subtle lens effect. Internal prisms and etching maintain a smooth exterior surface for ease of cleaning.



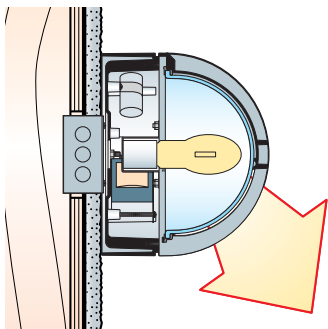
Smooth Lens

Open face design with etched surface provides soft visual appearance, while optimizing light output. Internal etching maintains a smooth exterior surface for ease of cleaning.



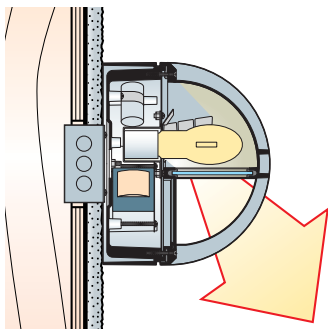
Hooded Lens

Hooded design provides a unique appearance, available with smooth or prismatic lens. Hood reduces fixture presence and protects lens from damage.



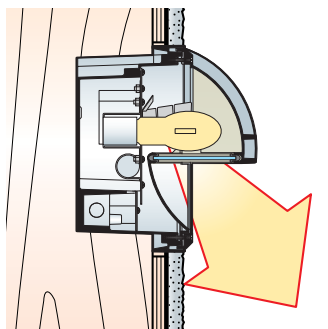
Flat Clear Lens

Highly efficient with cutoff optics, reduces unwanted glare, while maintaining fixture presence. Rib textured back panel produces a textured relief.

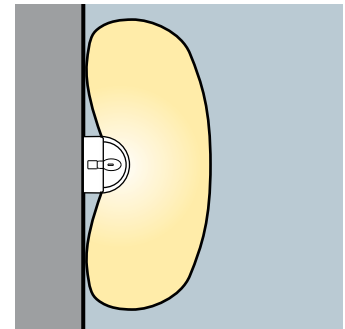


ADA Recessed Lens

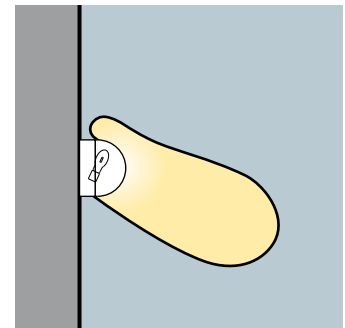
Flat lens and recessed lower baffle, produce perimeter lighting performance in an ADA compliant scale. Flat clear lens and internal reflector reduce brightness and maximize efficiency.



Axial Lamp Orientation



An axial lamp orientation was chosen for Wall Forms to reduce brightness toward the viewer while increasing wall illumination and uniformity. This lamp orientation also provides greater illumination on traffic areas adjacent to the wall and on the ceiling when Full Face models are used.



A vertical lamp orientation produces excessive brightness and uneven illumination.

Round Wall Forms models (e.g. Full Face, Half Face, and Cutoff Face) are engineered to accept the same lamp wattages to ensure consistency throughout the project. For example, a 70 watt Pulse Start Metal Halide lamp can be used in the Cutoff Face models as well as the Full Face models.

Die-Cast Aluminum Components

The housing, face plate, and lens cage are die-cast, low copper (<.6% Cu) aluminum for precision, repeatability and longevity.



Molded and Heat Treated Glass Lenses

The molded and heat treated glass lens has a minimum thickness of $\frac{3}{16}$ " with internal flutes. Lens is retained in face plate and sealed with a one piece silicone gasket.

Full and Half Face: Choice of smooth or internal prisms.

Cutoff and Shallow Cutoff Face: Flat tempered glass only.

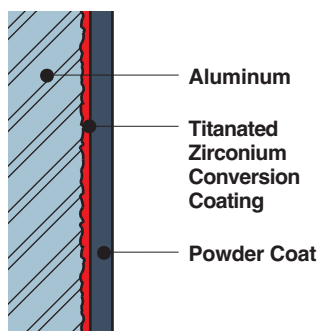


Durable Powder Coat Finish

Kim's state-of-the-art powder coat paint system is engineered to provide the highest quality finish with absolute paint adhesion under weather extremes. The Super TGIC thermoset polyester powder coat finish is applied over a Titanated Zirconium conversion coating. This finish system has exceeded the A.S.T.M. 2500 hour salt spray test.

Eight Stage Finish

1. Power wash and degrease.
2. Detergent tank bath.
3. Clear water rinse bath.
4. Premium Titanated Zirconium conversion coating as used in the automobile industry.
5. Clear water rinse bath.
6. Dry off oven.
7. Powder coating, 2.5 mil nominal thickness.
8. Bake for 20 minutes at 410°F.



Standard Super TGIC Colors

- BL** Black
- DB** Dark Bronze
- LG** Light Gray
- PS** Platinum Silver
- WH** White



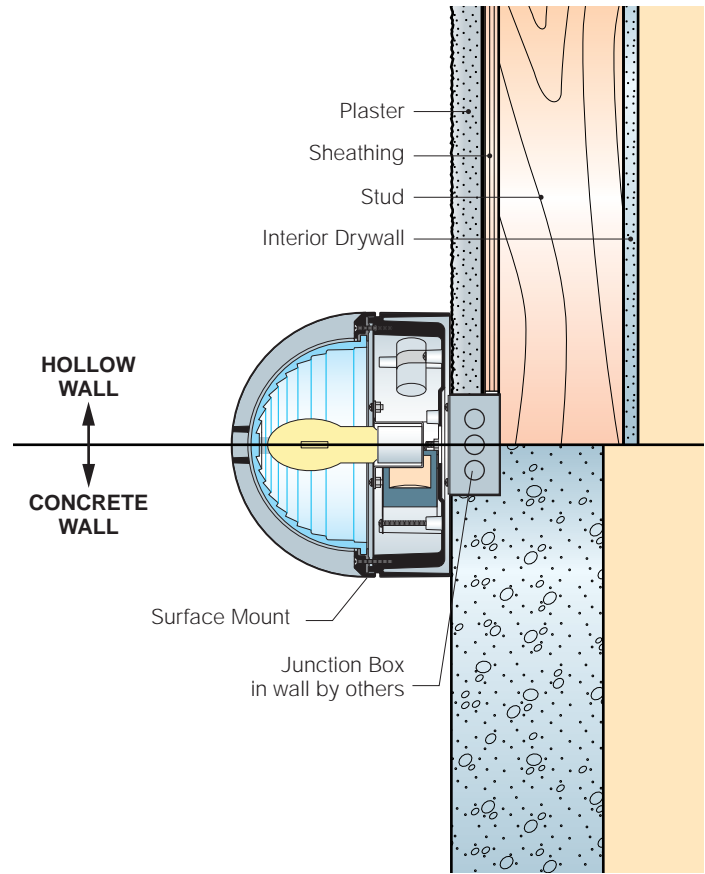
Wall Forms - Round

Three Mounting Methods

1. Surface Mount

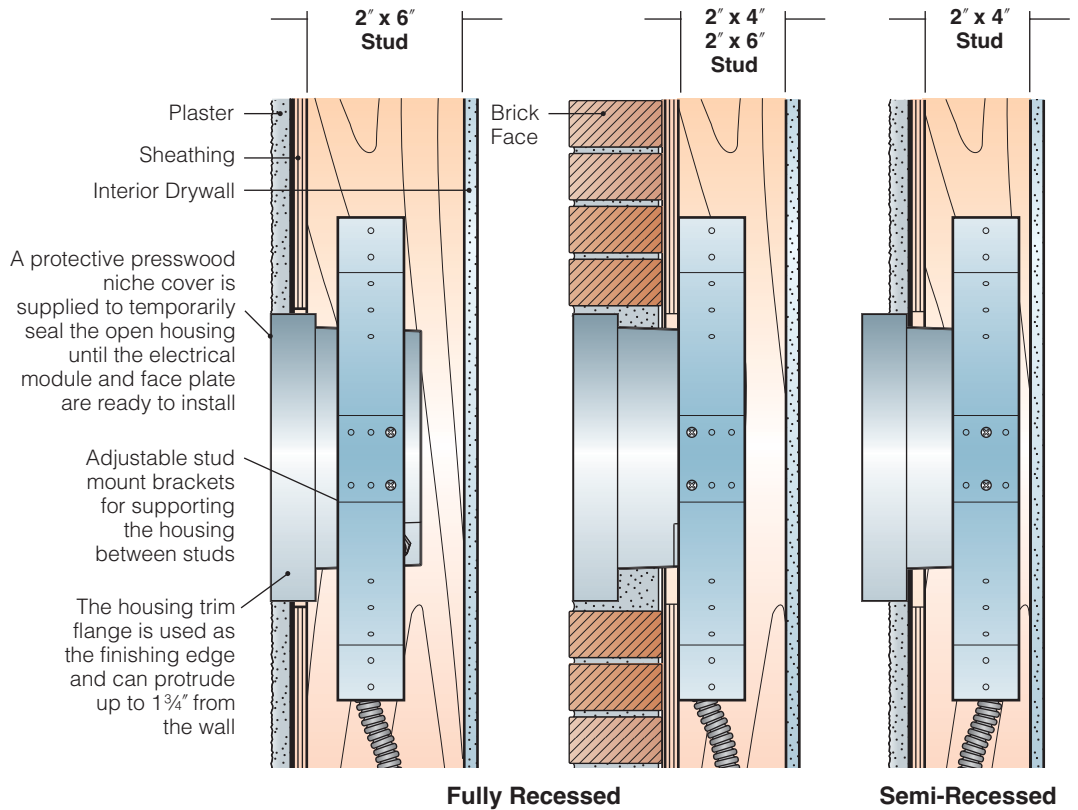
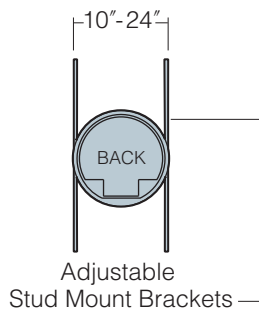
All surface mounted Wall Forms install directly to standard junction boxes in the wall. A zinc plated steel mounting bracket is first attached to the junction box, and field wires are pulled through. Wall Form housings mount to threaded studs protruding from the bracket. The electrical components are factory mounted and prewired inside the housing. After making the field wire connections to the fixture and installing the lamp, the fully gasketed face plate is mounted with four captive stainless steel screws.

NOTE: To prevent water entry into the junction box and fixture, installer must apply a bead of silicone sealant around the junction box perimeter, sealing the fixture/wall interface.



2. Recessed Hollow Wall

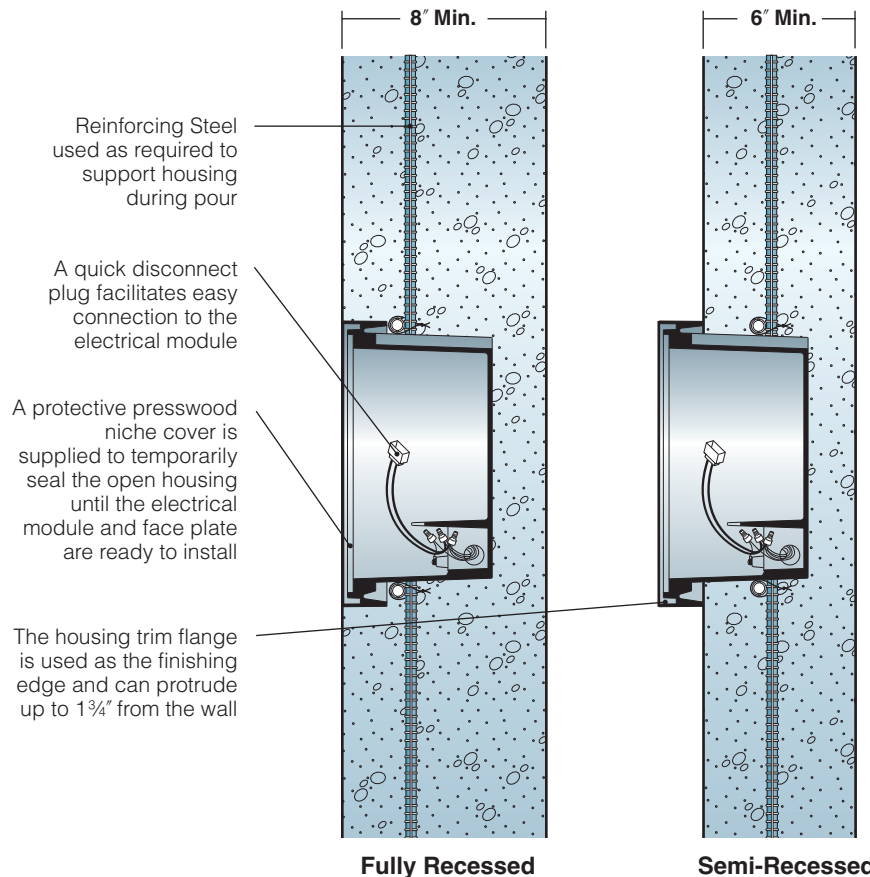
Housings are shipped devoid of all electrical components, with adjustable mounting brackets for attachment to studs. Protective presswood niche covers are supplied to temporarily seal the open housings until the electrical modules and face plates are ready to install.



NOTE: Recessed Hollow Wall models are supplied with an insulation detector for H.I.D. No insulation is permitted above the housing or within 3" of sides and bottom. Detector will cut power if fixture overheats due to insulation.

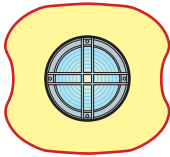
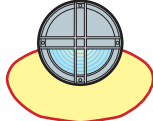
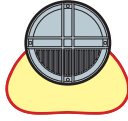
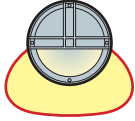





3. Recessed Concrete

Housings are shipped as pour items devoid of all electrical components. Protective presswood niche covers are supplied to temporarily seal the open housings until the electrical modules and face plates are ready to install.



Wall Forms - Round

Ordering Information

Ordering Example:	Fixture	Lens	Electrical Module	Finish	Options																		
	WF30C	/ P	/ 70MH277	/ PS	/ SF	/ QS																	
	1	2	3	4	5-6																		
<p>1 Fixture:</p> <p>Cat. No. designates WF fixture.</p> <p>To prevent water damage, inverted fixtures must be protected from direct water spray or rain by a canopy or overhang.</p>	 <p>Full Face</p>	 <p>Half Face</p>	 <p>Cutoff Face</p>	 <p>Shallow Cutoff Face (ADA Compliant, when fully recessed)</p>																			
Surface Mounted	Cat. No.:	WF20	WF21	WF22	n/a																		
Recessed Concrete	Cat. No.:	WF30C	WF31C	WF32C	WF33C																		
Recessed Hollow Wall	Cat. No.:	WF30H	WF31H	WF32H	WF33H																		
<p>2 Lens:</p> <p>Available for Full Face and Half Face Models only.</p>	<p>Cat. No.:</p>  <p>P Prismed</p>  <p>S Smooth</p>	<p>Cat. No.:</p>  <p>P Prismed</p>  <p>S Smooth</p>	<p>n/a Flat Tempered Glass Only</p>	<p>n/a Flat Tempered Glass Only</p>																			
<p>3 Electrical Module:</p> <p>HPS = High Pressure Sodium</p> <p>PMH = Pulse Start Metal Halide</p> <p>PL = Compact Fluorescent</p> <p>See lamp and electrical data on page 28 for ballast types and characteristics.</p> <table border="1" style="margin-left: 20px;"> <tr> <td>Lamp Watts</td> <td>Lamp Type</td> <td>Line Volts</td> </tr> <tr> <td>70</td> <td>HPS</td> <td>277</td> </tr> </table>	Lamp Watts	Lamp Type	Line Volts	70	HPS	277	<table border="1" style="margin-left: 20px;"> <tr> <td>50HPS120</td> <td>70HPS120</td> </tr> <tr> <td>50HPS277</td> <td>70HPS277</td> </tr> <tr> <td>50HPS347</td> <td>70HPS347</td> </tr> </table> <table border="1" style="margin-left: 20px;"> <tr> <td>50PMH120</td> <td>70PMH120</td> </tr> <tr> <td>50PMH277</td> <td>70PMH277</td> </tr> <tr> <td>50PMH347</td> <td>70PMH347</td> </tr> </table> <p style="text-align: center;">42PL¹</p> <p>¹42PL operates 26, 32 and 42 watt lamps at 120 thru 277 volts (50-60 Hz).</p>	50HPS120	70HPS120	50HPS277	70HPS277	50HPS347	70HPS347	50PMH120	70PMH120	50PMH277	70PMH277	50PMH347	70PMH347	<div style="background-color: yellow; padding: 10px; border: 1px solid black;">  <p>KimNOW! Available Configurations: KN-WF21P/50PMH/DB*, KN-WF21P/42PL/DB** *Dual-tap ballast (120 or 277 volts) **Variable voltage ballast (120 thru 277 volts)</p> </div>			
Lamp Watts	Lamp Type	Line Volts																					
70	HPS	277																					
50HPS120	70HPS120																						
50HPS277	70HPS277																						
50HPS347	70HPS347																						
50PMH120	70PMH120																						
50PMH277	70PMH277																						
50PMH347	70PMH347																						
<p>4 Finish:</p> <p>Super TGIC powder coat paint over Titanated Zirconium conversion coating.</p>	<p>Color:</p> <p>Cat. No.:</p>	<p>Black BL</p>	<p>Dark Bronze DB</p>	<p>Light Gray LG</p>	<p>Platinum Silver PS</p>	<p>White WH</p>	<p>Custom Colors CC Consult representative for custom colors.</p>																
<p>5 Optional Single Fusing:</p>	Cat. No.:	SF	Single fusing for 120V, 277V, and 347V primary.																				
<p>6 Optional Quartz Standby:</p> <p>Available for Full Face and Half Face Models only.</p>	Cat. No.:	QS	Integral electronic device energizes a T-4 mini-can socket during lamp warm-up and after a power interruption. Socket de-energizes prior to the H.I.D. lamp reaching full brightness. T-4 mini-can Halogen lamp by others; 100 watt maximum.																				

Luminaire Specifications

Housing:

Surface Mount: Die-cast, low copper (<.6% Cu) aluminum¹ with double side walls. Zinc plated steel mounting plate supplied for mounting to standard 3" or 4" junction box.

Recessed Concrete: Die-cast, low copper (<.6% Cu) aluminum¹ with clear anodize under powder coat finish to match louver and face plate. Integral junction box (21 cubic inch volume) with four 3/4" NPT conduit taps. Presswood niche cover provided as temporary protection against moisture.

Recessed Hollow Wall: Die-cast, low copper (<.6% Cu) aluminum¹ with clear anodize under powder coat finish to match louver and face plate. Integral junction box (21 cubic inch volume) with four 3/4" NPT conduit taps. Presswood niche cover provided as temporary protection against moisture. (H.I.D.): Supplied with adjustable stud mount brackets plus insulation detector in place of one side conduit tap. Quick disconnect plug supplied for electrical module.

Face Plate: Die-cast, low copper (<.6% Cu) aluminum¹ with vertical and horizontal double ribs covering the full hemisphere. Ribs are minimum 5/8" depth and 3/16" thickness. Secures to housing with four stainless steel captive socket head screws.

Half Face: Solid upper half.

Cutoff Face: Solid upper half and solid lower half with vertical light baffles.

Shallow Cutoff Face: Solid upper half protruding 3/4" from housing and concave lower half.

Lens: Molded and heat treated glass, 3/16" minimum thickness with internal sandblast. Retained in face plate and sealed with a one piece silicone gasket.

Full and Half Face: Choice of smooth (S) or internal prisms (P).

Cutoff and Shallow Cutoff Face: Flat tempered glass only.

Socket: (H.I.D.): Porcelain medium base socket rated 4KV. (Fluorescent): Plastic GX24q-3/GX24q-4 base socket.

Ballast:

Surface Mount: All components mounted on housing. (H.I.D.): Reactor - High power factor with starting temperatures of -40°F. for HPS and -20°F. for MH lamp modes. For MH/120 volt, a step-up transformer is provided. For HPS/277 volt, a step-down transformer is provided. For MH and HPS/347 volt, a step-down transformer is provided. (Fluorescent): Encapsulated with thermal cutoff. Electronic with multi-voltage (108V to 305V) input, 50/60 HZ, High power factor with starting temperatures of -0°F.

Recessed: All components mounted on plate with quick disconnect plug. (H.I.D.): HX-Reactor - High power factor with starting temperatures of -40°F. for HPS and -20°F. for MH lamp modes. (Fluorescent): Encapsulated with thermal cutoff. Electronic with multi-voltage (108V to 305V) input, 50/60 HZ, High power factor with starting temperatures of -0°F.

See lamp and electrical data on page 28 for ballast types and characteristics.

Finish: Super TGIC thermoset polyester powder coat paint, 2.5 mil nominal thickness, applied over a Titanated Zirconium conversion coating; 2500 hour salt spray test endurance rating. Standard colors are Black, Dark Bronze, Light Gray, Platinum Silver, or White. Custom colors are available and subject to additional charges, minimum quantities and longer lead times. Consult representative.

Certification: UL Listed to U.S. and Canadian safety standards for wet locations. Fixture manufacturer shall employ a quality program that is certified to meet the ISO 9001:2000 standard.

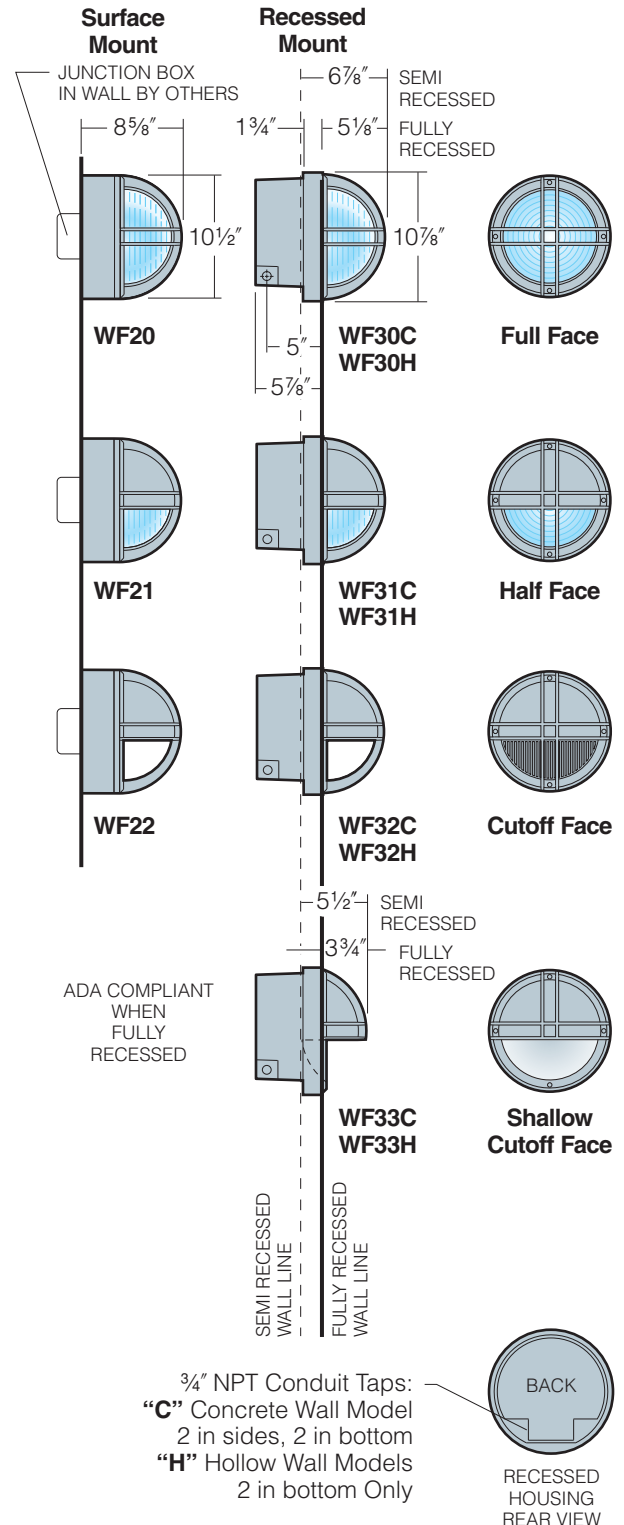
Pour Items: Recessed housings, devoid of all electrical components. Protective presswood niche covers are supplied to temporarily seal the open housings until the electrical modules and face plates are ready to install. Quick disconnect plugs supplied for electrical modules. For recessed hollow wall configurations, insulation detectors supplied in place of one conduit tap for H.I.D. No insulation is permitted above the housing or within 3" of sides and bottom. Detectors will cut power if fixtures overheat due to insulation.

Finishing Items: Electrical modules and face plates. Each set of finishing items shall be in one container, clearly marked with the fixture catalog number.

CAUTION: Fixtures must be grounded in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.

Dimensions

Round Wall Forms Model
26 to 70 watt



¹The aluminum material used in the die-castings is a customized 360 aluminum alloy. Additional silicone is added to the composition to allow improved molten flow characteristics that provide greater detailing and shaping.

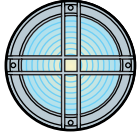
Wall Forms - Round

ED-17 coated medium base
4,800 Initial Lumens

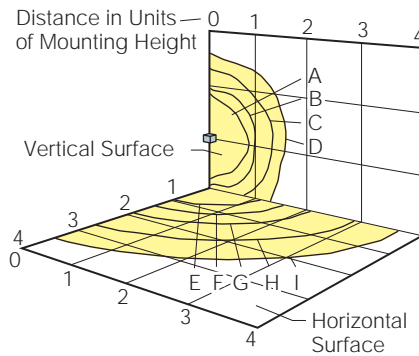
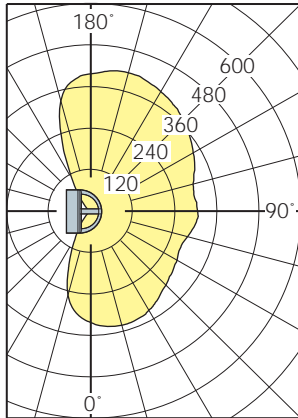
Photometrics - 70 Watt Pulse Start Metal Halide

WF20 WF30

Full Face



I.T.L. Test No. 43118

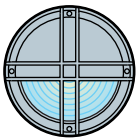


Initial Footcandles at Listed PMH

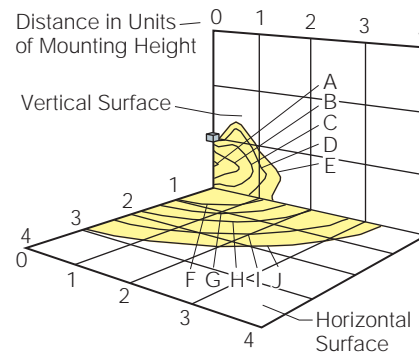
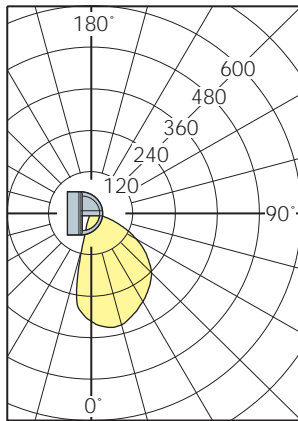
	7'	8'	9'	10'
A	1.50	1.00	0.70	0.51
B	0.75	0.50	0.35	0.26
C	0.30	0.20	0.14	0.10
D	0.15	0.10	0.07	0.05
E	2.60	2.00	1.60	1.30
F	1.30	1.00	0.79	0.64
G	0.66	0.50	0.40	0.32
H	0.26	0.20	0.16	0.13
I	0.13	0.10	0.08	0.06

WF21 WF31

Half Face



I.T.L. Test No. 43126

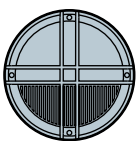


Initial Footcandles at Listed PMH

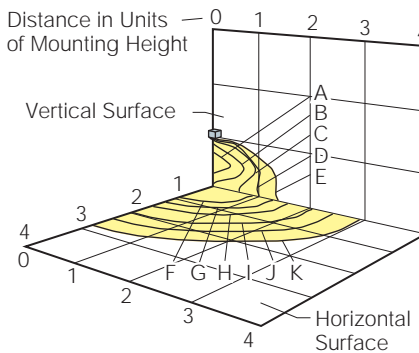
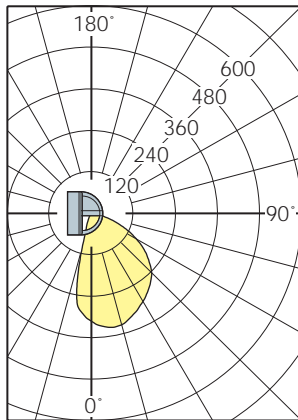
	7'	8'	9'	10'
A	3.00	0.53	0.37	0.27
B	1.50	0.27	0.19	0.13
C	0.75	0.13	0.11	0.08
D	0.08	0.05	0.03	0.03
E	0.15	0.10	0.07	0.05
F	2.60	2.00	1.60	1.30
G	1.30	1.00	0.79	0.64
H	0.66	0.50	0.40	0.32
I	0.26	0.20	0.16	0.13
J	0.13	0.10	0.08	0.06

WF22 WF32

Cutoff Face



I.T.L. Test No. 43277

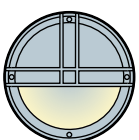


Initial Footcandles at Listed PMH

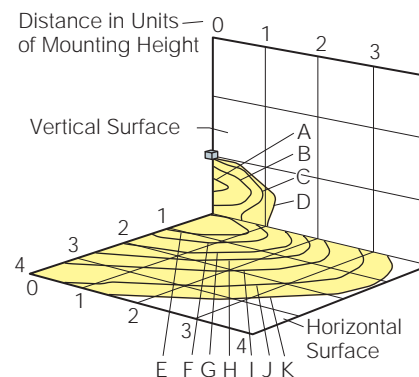
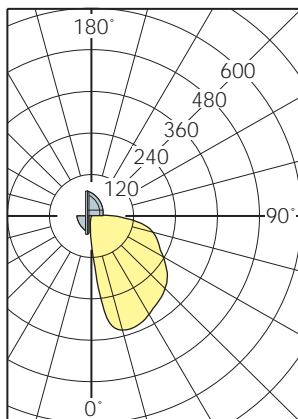
	7'	8'	9'	10'
A	1.50	1.00	0.70	0.51
B	0.75	0.50	0.35	0.26
C	0.30	0.20	0.14	0.10
D	0.15	0.10	0.07	0.05
E	0.07	0.05	0.04	0.03
F	2.60	2.00	1.60	1.30
G	1.30	1.00	0.79	0.64
H	0.66	0.50	0.40	0.32
I	0.26	0.20	0.16	0.13
J	0.13	0.10	0.08	0.06
K	0.07	0.05	0.04	0.03

WF33

Shallow
Cutoff Face



I.T.L. Test No. 43360



Initial Footcandles at Listed PMH

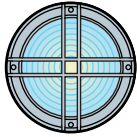
	7'	8'	9'	10'
A	1.70	1.00	0.63	0.42
B	0.87	0.50	0.32	0.21
C	0.35	0.20	0.13	0.08
D	0.17	0.10	0.06	0.04
E	14.0	10.0	7.30	5.60
F	7.20	5.00	3.70	2.80
G	2.90	2.00	1.50	1.10
H	1.40	1.00	0.16	0.13
I	0.13	0.10	0.73	0.56
J	0.72	0.50	0.37	0.28
K	0.14	0.10	0.07	0.06

GX24q-4 4 pin base
3,200 Initial Lumens

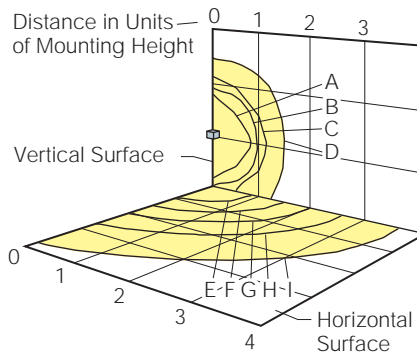
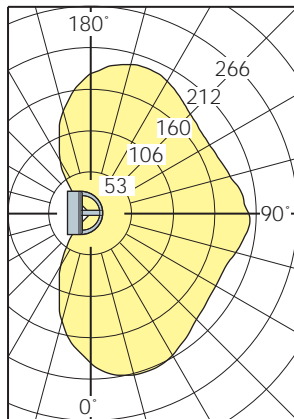
Photometrics - 42 Watt Compact Fluorescent

WF20 WF30

Full Face



I.T.L. Test No. 43121
Prorated from 32W to 42W.

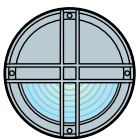


Initial Footcandles at Listed PMH

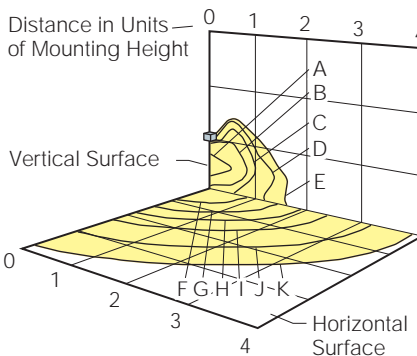
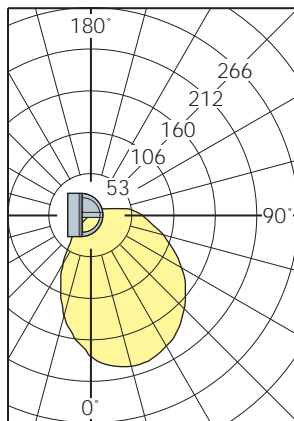
	7'	8'	9'	10'
A	0.80	0.53	0.37	0.27
B	0.40	0.27	0.19	0.13
C	0.19	0.13	0.11	0.08
D	0.08	0.05	0.03	0.03
E	1.73	1.33	0.40	0.32
F	0.69	0.53	0.43	0.36
G	0.35	0.27	0.21	0.16
H	0.19	0.13	0.11	0.08
I	0.08	0.05	0.05	0.03

WF21 WF31

Half Face



I.T.L. Test No. 43129
Prorated from 32W to 42W.



Initial Footcandles at Listed PMH

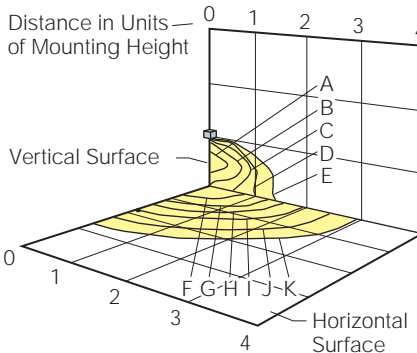
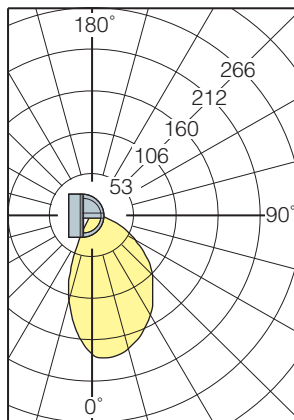
	7'	8'	9'	10'
A	0.80	0.53	0.37	0.27
B	0.40	0.27	0.19	0.13
C	0.19	0.13	0.11	0.08
D	0.08	0.05	0.03	0.03
E	0.03	0.03	0.03	0.03
F	1.73	1.33	1.06	0.85
G	0.69	0.53	0.43	0.35
H	0.35	0.27	0.21	0.16
I	0.19	0.13	0.11	0.08
J	0.08	0.05	0.05	0.03
K	0.03	0.03	0.03	0.03

WF22 WF32

Cutoff Face



I.T.L. Test No. 43280
Prorated from 32W to 42W.

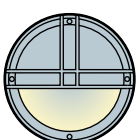


Initial Footcandles at Listed PMH

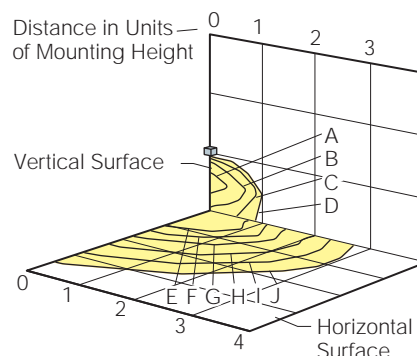
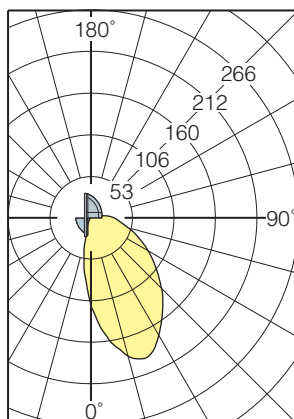
	7'	8'	9'	10'
A	0.80	0.53	0.37	0.27
B	0.40	0.27	0.19	0.13
C	0.19	0.13	0.11	0.08
D	0.08	0.05	0.03	0.03
E	0.03	0.03	0.03	0.03
F	1.73	1.33	1.06	0.85
G	0.69	0.53	0.43	0.35
H	0.35	0.27	0.21	0.16
I	0.19	0.13	0.11	0.08
J	0.08	0.05	0.05	0.03
K	0.03	0.03	0.03	0.03

WF33

Shallow
Cutoff Face



I.T.L. Test No. 43388
Prorated from 32W to 42W.



Initial Footcandles at Listed PMH

	7'	8'	9'	10'
A	2.26	1.33	0.85	0.56
B	0.93	0.53	0.35	0.21
C	0.45	0.27	0.16	0.11
D	0.24	0.13	0.08	0.05
E	7.71	5.32	4.00	2.93
F	3.72	2.66	2.00	1.46
G	1.86	1.33	0.98	0.74
H	0.77	0.53	0.40	0.29
I	0.37	0.27	0.19	0.16
J	0.19	0.13	0.11	0.08

Site Wallforms

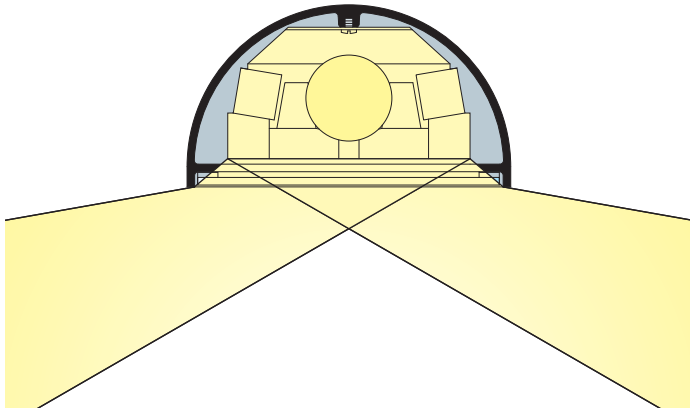
SW1 / SW3



Details and Photometrics

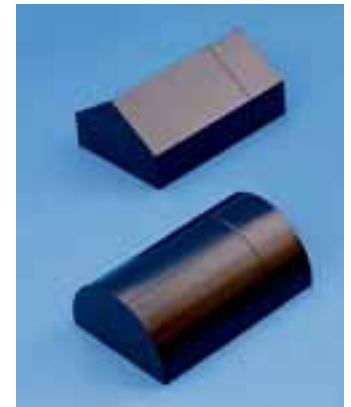
Full Cutoff Optics in SW1 and SW3

For projects requiring full cutoff pole-mounted luminaires for light trespass or dark-sky considerations, the **SL1 - SL4** maintains this theme at the pedestrian level. Each SL fixture has an optical module engineered to produce an asymmetric light distribution using a horizontal lamp, and flat tempered glass lens. Because of the low mounting height, coated H.I.D. lamps are recommended for optimum uniformity of illumination.



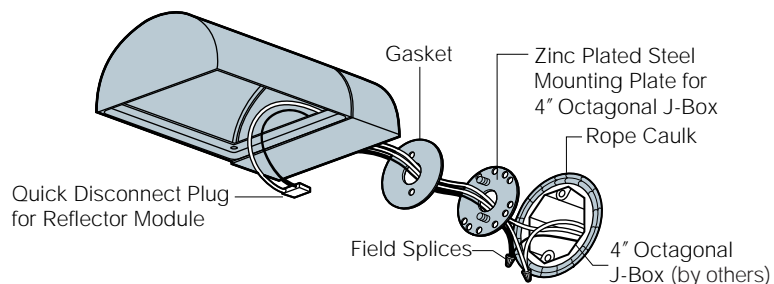
Heavy-Wall Cast Aluminum Heads

Kim SW fixtures are specifically designed and engineered to combine contemporary form with rugged vandal-resistant construction. Low level luminaires are often subject to abuse because of their proximity to pedestrian traffic. To combat this, all fixture heads are heavy-wall one-piece aluminum castings.



Installation of Wallforms

The SW mounting system is designed for ease of installation, and has a sealed fixture-to-wall joint with no exposed hardware. Field wire connections are made prior to fixture mounting leaving both hands free to install and align the housing. A quick-disconnect plug wires the reflector module inside the fixture.



SW1 / SW3 Luminaires

	Wattage	Lamp ¹	Initial Lumens
A	50W. HPS	ED17 Medium Base	3800
B	50W. PMH	ED17 Medium Base	2688
C	(2) 13W. PL	GX23 Base	900 each
D	42W. PL	GX24q-3 Base	3200
E	60W. INC.	T10 I.F. Medium Base	745

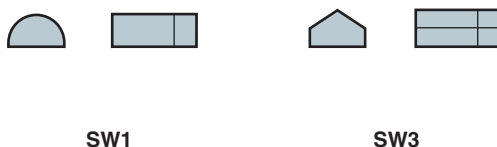
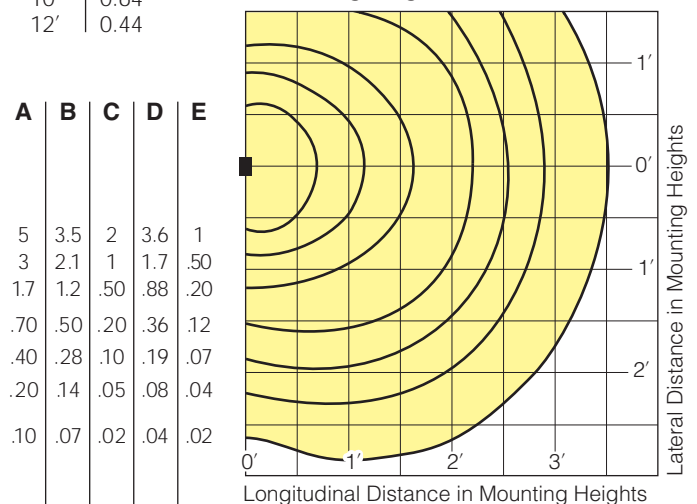
¹NOTE: Coated lamp recommended.

Footcandle
Correction
Factors (CF)

Mtg.Ht.	CF
6'	1.78
8'	1.00
10'	0.64
12'	0.44

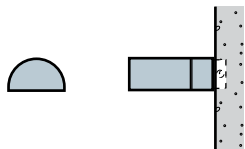
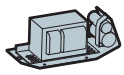
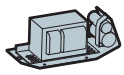
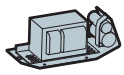




Typical Half

Initial Horizontal Footcandles at
8' Mounting Height (Grade to Lens)



Site Wallforms

Ordering Information

<p>SW1 Ordering Example:</p>	<table border="0"> <tr> <td style="text-align: center;">Fixture</td> <td style="text-align: center;">Electrical Module</td> <td style="text-align: center;">Finish</td> </tr> <tr> <td style="text-align: center;">SW1</td> <td style="text-align: center;">/50PMH277/</td> <td style="text-align: center;">WH</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> </tr> </table>	Fixture	Electrical Module	Finish	SW1	/50PMH277/	WH	1	2	3
Fixture	Electrical Module	Finish								
SW1	/50PMH277/	WH								
1	2	3								
<p>1 Fixture: Cat. No. designates SW fixture.</p>	<div style="text-align: center;">  </div> <p>Cat. No.: SW1</p>									
<p>2 Electrical Module: HPS = High Pressure Sodium INC = Incandescent PMH = Pulse Start Metal Halide PL = Compact Fluorescent See lamp and electrical data on page 28 for ballast types and characteristics. Coated lamps recommended.</p>	<table border="0"> <tr> <td rowspan="2" style="text-align: center;">  </td> <td style="text-align: center;">50HPS120</td> <td style="text-align: center;">50PMH120 50PMH277</td> <td></td> </tr> <tr> <td style="text-align: center;">60INC120</td> <td style="text-align: center;">13PL120¹ 13PL277¹</td> <td style="text-align: center;">42PL120² 42PL208² 42PL240² 42PL277²</td> </tr> </table> <p>Lamp Watts: 50 Lamp Type: PMH Line Volts: 277</p> <p>¹Two lamps required per fixture. ²42PL operates one 26, 32, or 42 watt lamp at 120 thru 277 volts (50-60 Hz). NOTE: For lamp/ballast information outside of the U.S.A. and Canada, please consult your local Kim representative.</p>		50HPS120	50PMH120 50PMH277		60INC120	13PL120¹ 13PL277¹	42PL120² 42PL208² 42PL240² 42PL277²		
	50HPS120		50PMH120 50PMH277							
	60INC120	13PL120¹ 13PL277¹	42PL120² 42PL208² 42PL240² 42PL277²							
<p>3 Finish: Super TGIC powder coat paint over Titanated Zirconium conversion coating.</p>	<table border="0"> <tr> <td style="text-align: center;">Color: Cat. No.:</td> <td style="text-align: center;">Black BL</td> <td style="text-align: center;">Dark Bronze DB</td> <td style="text-align: center;">Light Gray LG</td> <td style="text-align: center;">Platinum Silver PS</td> <td style="text-align: center;">White WH</td> <td style="text-align: center;">Custom Colors CC Consult representative for custom colors.</td> </tr> </table>	Color: Cat. No.:	Black BL	Dark Bronze DB	Light Gray LG	Platinum Silver PS	White WH	Custom Colors CC Consult representative for custom colors.		
Color: Cat. No.:	Black BL	Dark Bronze DB	Light Gray LG	Platinum Silver PS	White WH	Custom Colors CC Consult representative for custom colors.				
<p>SW3 Ordering Example:</p>	<table border="0"> <tr> <td style="text-align: center;">Fixture</td> <td style="text-align: center;">Electrical Module</td> <td style="text-align: center;">Finish</td> </tr> <tr> <td style="text-align: center;">SW3</td> <td style="text-align: center;">/50PMH277/</td> <td style="text-align: center;">WH</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> </tr> </table>	Fixture	Electrical Module	Finish	SW3	/50PMH277/	WH	1	2	3
Fixture	Electrical Module	Finish								
SW3	/50PMH277/	WH								
1	2	3								
<p>1 Fixture: Cat. No. designates SW fixture.</p>	<div style="text-align: center;">  </div> <p>Cat. No.: SW3</p>									
<p>2 Electrical Module: HPS = High Pressure Sodium INC = Incandescent PMH = Pulse Start Metal Halide PL = Compact Fluorescent See lamp and electrical data on page 28 for ballast types and characteristics. Coated lamps recommended.</p>	<table border="0"> <tr> <td rowspan="2" style="text-align: center;">  </td> <td style="text-align: center;">50HPS120</td> <td style="text-align: center;">50PMH120 50PMH277</td> <td></td> </tr> <tr> <td style="text-align: center;">60INC120</td> <td style="text-align: center;">13PL120¹ 13PL277¹</td> <td style="text-align: center;">42PL120² 42PL208² 42PL240² 42PL277²</td> </tr> </table> <p>Lamp Watts: 50 Lamp Type: MH Line Volts: 277</p> <p>¹Two lamps required per fixture. ²42PL operates one 26, 32, or 42 watt lamp at 120 thru 277 volts (50-60 Hz). NOTE: For lamp/ballast information outside of the U.S.A. and Canada, please consult your local Kim representative.</p>		50HPS120	50PMH120 50PMH277		60INC120	13PL120¹ 13PL277¹	42PL120² 42PL208² 42PL240² 42PL277²		
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Color: Cat. No.:	Black BL	Dark Bronze DB	Light Gray LG	Platinum Silver PS	White WH	Custom Colors CC Consult representative for custom colors.				

Luminaire Specifications

Head: One piece cast aluminum, $\frac{3}{16}$ " wall thickness with external reveal.

Reflector and Socket: Formed specular Alzak® reflector panel secured to a harness which holds a porcelain medium base 4KV socket (H.I.D. and Incandescent), GX24q - Universal Socket (42W Fluorescent), or two single ended twin tube sockets (13W Fluorescent). Entire assembly is removable in one piece for access to mounting screws and is factory wired with a disconnect plug.

Lens: Clear flat $\frac{1}{8}$ " thick tempered glass retained by two stainless steel brackets, and four stainless steel, hex socket cap screws, fully gasketed.

Ballast: Factory mounted to removable harness within fixture head. Wire leads supplied with disconnect plugs. **HID:** High power factor with starting temperatures of -20°F. for MH and -40°F. for HPS lamp modes. **13W Fluorescent:** 120V 32°F. starting; 277V 0°F. starting. **26W, 32W, 42W Fluorescent:** High power factor with starting temperature of 0°F.

Mounting Plate: Zinc plated steel for attachment to standard 4" octagonal Junction Box. Gasket provided between mounting plate and fixture plus rope caulk between fixture and wall.

Finish: Super TGIC thermoset polyester powder coat paint, 2.5 mil nominal thickness, applied over a Titanated Zirconium conversion coating; 2500 hour salt spray test endurance rating. Standard colors are Black, Dark Bronze, Light Gray, Platinum Silver, or White. Custom colors are available and subject to additional charges, minimum quantities and longer lead times. Consult representative.

Certification: UL Listed to U.S. and Canadian safety standards for wet locations. Fixture manufacturer shall employ a quality program that is certified to meet ISO 9001:2000 standard.

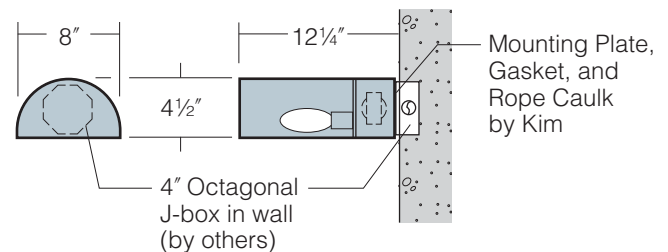
CAUTION: Fixtures must be grounded in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.

Dimensions

Site Wallforms - SW1 Model
50 watt HID
Medium Base Lamps
42 watt Compact Fluorescent

SW1

Maximum weight: 8 lb



Head: One piece cast aluminum, $\frac{3}{16}$ " wall thickness with external reveal.

Reflector and Socket: Formed specular Alzak® reflector panel secured to a harness which holds a porcelain medium base 4KV socket (H.I.D. and Incandescent), GX24q - Universal Socket (42W Fluorescent), or two single ended twin tube sockets (13W Fluorescent). Entire assembly is removable in one piece for access to mounting screws and is factory wired with a disconnect plug.

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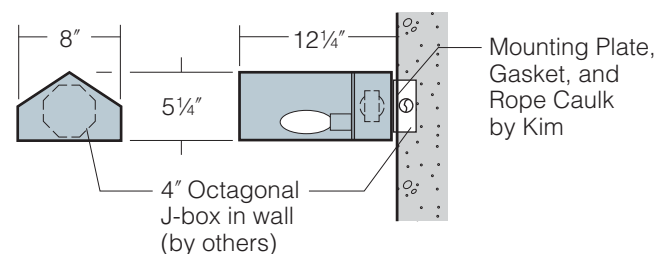
CAUTION: Fixtures must be grounded in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.

Dimensions

Site Wallforms - SW3 Model
50 watt HID
Medium Base Lamps
42 watt Compact Fluorescent

SW3

Maximum weight: 8 lb



Lamp and Electrical Guide

Lamp	Lamp Watts	Ballast Type	Life (Hours)	Initial Lumens ¹	Voltage	Operating Amps.	Open Circuit	Starting Amps.	Max. Amps.
HIGH PRESSURE SODIUM									
50HPS Coated Medium Base ²	50	S68	24K+	4000	120	0.55	0.90	0.95	0.95
					277	0.33	0.34	0.50	0.50
					347	0.28	0.25	0.41	0.41
70HPS Coated Medium Base ²	70	S62	24K+	6300	120	0.75	1.30	0.90	1.30
					277	0.43	0.51	0.60	0.60
					347	0.31	0.38	0.39	0.39
100HPS Coated Medium Base ²	100	S54	24K+	9500	120	1.05	1.80	1.50	1.80
					277	0.57	0.74	0.89	0.89
					347	0.53	0.43	0.75	0.75
150HPS Coated Medium Base ²	150	S55	24K+	15000	120	1.50	2.35	2.25	2.35
					277	0.92	0.74	1.03	1.03
					347	0.72	0.64	0.92	0.92
PULSE START METAL HALIDE									
50PMH ³ Coated Medium Base ²	50	M110	7K+	3600	120	0.97	0.86	1.10	1.10
					277	0.22	0.55	0.35	0.55
					347	0.44	0.17	0.46	0.46
70PMH ³ Coated Medium Base ²	70	M98	11K+	4800	120	0.97	1.58	1.04	1.58
					277	0.32	0.80	0.50	0.80
					347	0.38	0.40	0.47	0.47
100PMH ³ Coated Medium Base ²	100	M90	11K+	8000	120	1.04	2.01	1.13	2.01
					277	0.45	1.05	0.70	1.05
					347	0.45	0.55	0.48	0.55
150PMH ³ Coated Medium Base ²	150	M102	11K+	9000	120	1.60	3.65	0.95	3.65
					277	0.63	1.50	0.70	1.50
					347	0.70	0.87	0.75	0.87
COMPACT FLUORESCENT									
13PL Coated GX23-2 Base	13	-	10000	860	120	-	-	-	0.30
					277	-	-	-	0.13
32PL Coated GX24q-3 Base	32	-	10000	2400	120	-	-	-	0.31
					208	-	-	-	0.18
					240	-	-	-	0.15
					277	-	-	-	0.13
42PL Coated GX24q-4 Base	42	-	10000	3200	120	-	-	-	0.41
					208	-	-	-	0.24
					240	-	-	-	0.20
					277	-	-	-	0.18
INCANDESCENT									
60INC T10 I.F. Medium Base	60	-	1000	745	120	.50	-	-	.50

¹ All initial lumen values shown may vary, from one manufacturer to another. Consult lamp manufacturer's data for exact lumen and life data.

² All Surface Mount fixtures use Reactor ballasts.

³ **CAUTION:** All manufacturers of pulse start metal halide lamps recommend turning them off for 15 minutes once per week when under continuous operation. This will reduce the risk of arc tube rupture at end of life. Also, color temperature may differ between manufacturers of pulse start metal halide lamps. See lamp manufacturers' specification sheets.

NOTE: For lamp/ballast information outside of the U.S.A. and Canada, please consult your local Kim representative.

WARNING: All fixtures must be grounded in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.

Lamps by others.



Applications Assistance

Kim Lighting utilizes the latest computer technology and software to provide specifiers with reliable evaluations of lighting system performance. We can analyze a proposed luminaire layout or provide recommendations based on performance criteria.

Electronic copies of plans can be sent directly to yyeager@hubbell-ltg.com. Hard copies can be sent by fax at 864-678-1743, or they can be mailed to Applications Dept, 701 Millennium Blvd, Greenville, SC 29607.

Photometric Files

Kim Lighting .ies format photometric files are available for use in lighting calculation software. The complete IES File Library is on the internet at www.kimlighting.com.

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Wall Mounted Luminaires



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