

Surface Mounted Luminaires



Architectural Accent

Pedestrian Safety

Perimeter Security

Dual Function



MADE IN THE
USA

U.S. ARCHITECTURAL
LIGHTING



The four primary applications for Surface Mounted Luminaires are fully addressed by the large offering of U.S. Architectural Lighting products shown in this catalog, many of which satisfy multiple applications.



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Primary Applications



Architectural Accent

Highlighting reliefs and projections on buildings can achieve dramatic nighttime effects, and accent architectural features that otherwise would not be enjoyed at night. Patterns of light can also be projected on walls to create nighttime interest, attracting attention to the building for marketing and advertising effect. See "Dual Function" below for a combined approach.



Pedestrian Safety

Stairways, inclines, and uneven paving demand illumination that is glare free so pedestrians clearly see the walking surfaces. This can be accomplished from fixtures mounted above or below eye level, as long as they control high angle brightness which produces disability glare. Louvered or shielded lens models should be selected for vandal prone environments.

Perimeter Security

Typically there are areas around building perimeters where visual security is of paramount importance. For these areas, it is important for fixtures to provide vertical as well as horizontal illumination. This means that pedestrians should be clearly visible from head to toe, and walking surfaces should be well illuminated.



Dual Function

Providing upward illumination for architectural accent, and downward illumination for pedestrian safety or perimeter security creates a very dynamic and functional lighting effect, especially when one fixture can do both. When fixture visibility is also desired for architectural embellishment, the CBR series is ideal.



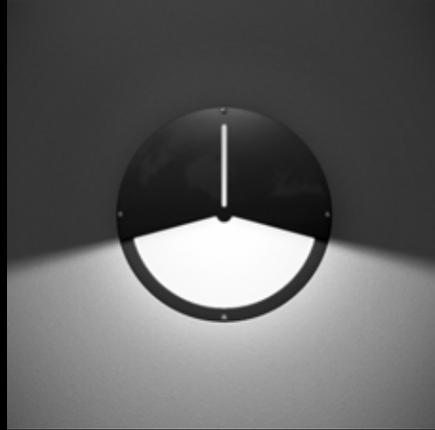
10 Series

For Architectural Accent and Perimeter Security



Day

10 Series luminaires are basic circular forms intended to blend with architecture rather than be centers of interest. However, if desired they can be closely spaced and patterned on walls to create visual impact. Ideal mounting height is 7' to 10'.

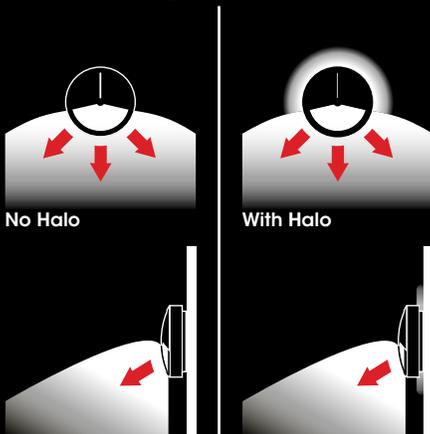


Night

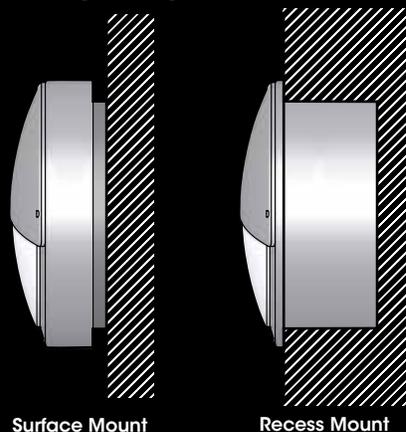
10 Series fixtures create soft downward illumination with minimal upward light. The lighted vertical slot adds visual interest while the Halo option visually floats the fixture away from the wall.



Optical Configurations



Mounting Configurations



Specifications

Housing - One-piece heavy wall aluminum (A360 alloy; <0.6% copper) construction, pretreated and powdercoated. Surface mount and recess mount. Recessed housings are powder coated for use in concrete.

Door Frame - Corrosion resistant, precise cast aluminum, low copper (A360 alloy, <0.6% copper) construction with decorative illuminated aperture.

Optics - Opal tempered glass evenly distributes illumination and eliminates lamp/LED image.

1071 and 1072 units designed to provide a halo effect on mounting surface.

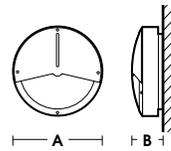
Electrical Components - All electrical components are UL recognized. Electronic MH ballasts are high power factor, -20F starting, 120-277V, 50Hz/60Hz. 347V option utilizes a step down transformer to the electronic ballast. Magnetic MH ballasts are high power factor, -20F starting, multi-tap 120-277V and 347V, 60Hz. HPS ballasts are core and coil, reactor-style, high power factor, -40F starting, 120V. Compact Fluorescent ballast is electronic, 120-277V, 50Hz/60Hz. Electrical components are mounted to a unitized ballast tray inside the body, and factory installed. Ballast assembly connects to optical plate assembly via quick disconnects.

LED Driver - Constant current LED drivers are UL and cUL recognized mounted on a single plate and factory prewired with quick-disconnect plugs. Drivers are electronic and have a power factor of >.90 and a minimum operating temperature of -40°F. Drivers accept an input of 120-277V, 50/60Hz. (Consult factory for dimming applications.)

Finish - Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

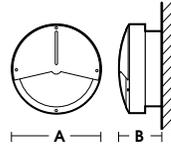
Listings and Ratings - UL Listed for wet locations.

Dimensions



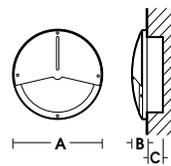
	A	B	
1052	10.875" (276mm)	4.125" (105mm)	(1) CFL Lamp
1051	14" (356mm)	4.75" (121mm)	(2) CFL Lamps
1072	10.875" (276mm)	4.125" (105mm)	Halo, (1) CFL Lamp
1071	14" (356mm)	4.75" (121mm)	Halo, (2) CFL Lamps

Surface Mount - Fluorescent and Incandescent



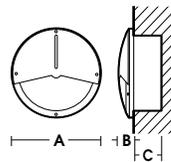
1062	10.875" (276mm)	5.875" (149mm)	50W. HID, 8LED Max.
1061	14" (105mm)	6.5" (165mm)	100W. HID, 12LED Max.

Surface Mount - HID and LED



	A	B	C	
1082	10.875" (276mm)	2.125" (54mm)	2" (51mm)	(1) CFL Lamp
1081	14" (105mm)	2.5" (64mm)	2.25" (57mm)	(2) CFL Lamps

Recessed Mount - Fluorescent and Incandescent



1092	10.875" (105mm)	2" (51mm)	3.125" (79mm)	50W. HID, 8LED Max.
1091	14" (105mm)	2.5" (64mm)	4" (101.6mm)	100W. HID, 12LED Max.

Recessed Mount - HID and LED

Spec/Order Example: 1091/8LED/NW/RAL-6005-T/DF

Note: Select either LED Mode or Lamp Mode.

MODEL / MOUNTING		LED MODE		LAMP MODE			FINISH	OPTIONS
<input type="checkbox"/> 1052 <input type="checkbox"/> 1072 <input type="checkbox"/> 1082 <small>(COATED LAMPS RECOMMENDED)</small>	Surface	Not Available		WATTAGE	TYPE	VOLTAGE	STANDARD TEXTURED FINISH	
	Surface Halo			<input type="checkbox"/> 60	<input type="checkbox"/> INC	<input type="checkbox"/> 120		
	Recessed			<input type="checkbox"/> 13	<input type="checkbox"/> CFL	<input type="checkbox"/> 120 <input type="checkbox"/> 277		
<input type="checkbox"/> 1051 <input type="checkbox"/> 1071 <input type="checkbox"/> 1081 <small>(COATED LAMPS RECOMMENDED)</small>	Surface	Not Available		<input type="checkbox"/> 42	<input type="checkbox"/> CFL*	<input type="checkbox"/> 120	<input type="checkbox"/> BLACK RAL-9005-T <input type="checkbox"/> WHITE RAL-9003-T <input type="checkbox"/> GREY RAL-7004-T <input type="checkbox"/> DARK BRONZE RAL-8019-T <input type="checkbox"/> GREEN RAL-6005-T	<input type="checkbox"/> QUARTZ STANDBY (HID UNITS ONLY) QTZ <input type="checkbox"/> SINGLE FUSE (120V. , 277V) (HID UNITS ONLY) SF <input type="checkbox"/> DOUBLE FUSE (208V. , 240V) (HID UNITS ONLY) DF
	Surface Halo			<input type="checkbox"/> 32		<input type="checkbox"/> 277		
	Recessed			<input type="checkbox"/> 28 <input type="checkbox"/> 26 <input type="checkbox"/> 18	* 2 LAMPS PER FIXTURE			
<input type="checkbox"/> 1062 <input type="checkbox"/> 1092	Surface	NO. LEDs	COLOR	<input type="checkbox"/> 50	<input type="checkbox"/> PSMH <input type="checkbox"/> HPS	<input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277	FOR SMOOTH FINISH REMOVE SUFFIX "T" (EXAMPLE: RAL-9005)	
	Recessed	<input type="checkbox"/> 8LED (10 Watts)	<input type="checkbox"/> NW* <input type="checkbox"/> CW <input type="checkbox"/> WW		MED. BASE LAMP			
<input type="checkbox"/> 1061 <input type="checkbox"/> 1091	Surface	<input type="checkbox"/> 12LED (14 Watts)	<input type="checkbox"/> NW* <input type="checkbox"/> CW <input type="checkbox"/> WW	<input type="checkbox"/> 100	<input type="checkbox"/> PSMH <input type="checkbox"/> HPS	<input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347	CONSULT FACTORY FOR CUSTOM COLORS	
	Recessed					<input type="checkbox"/> 70 <input type="checkbox"/> 50		
		*NW - NEUTRAL WHITE (4000K) STANDARD CW - COOL WHITE (5000K) WW - WARM WHITE (3000K) CONSULT FACTORY FOR OTHER LED COLORS		CONSULT FACTORY FOR OTHER VOLTAGES				

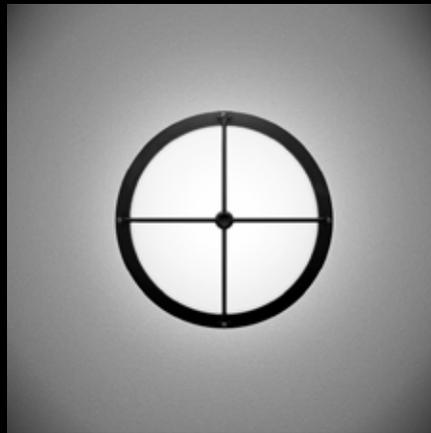
20 Series

For Architectural Accent and Perimeter Security



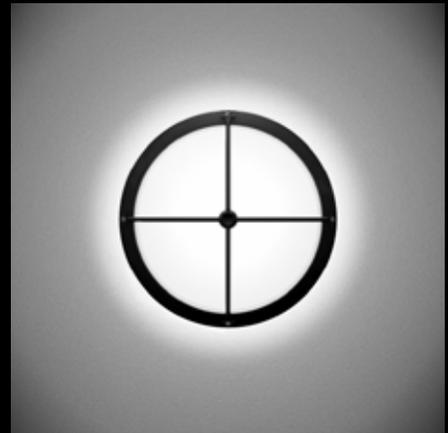
Day

20 Series luminaires further simplify the basic circular form by showing the full round white enclosure behind a three spoke cage. While intended to be inconspicuous, clustering these fixtures in patterns can create visual interest. Ideal mounting height is 7' to 10'.

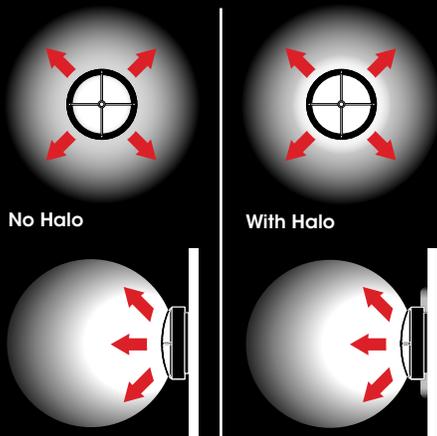


Night

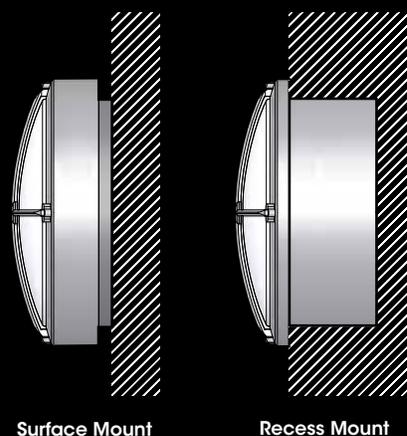
20 Series luminaires deliver a full vertical and horizontal range of soft illumination. As such, they are ideal for lighting perimeter areas that need visual security through the illumination of vertical objects including people. Specify the Halo option to visually float the fixture from the wall.



Optical Configurations



Mounting Configurations



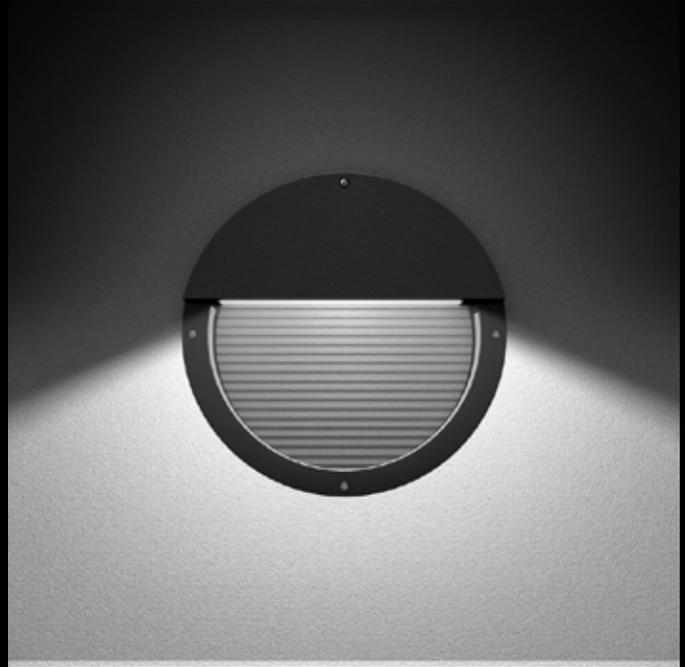
30 Series

For Architectural Accent and Pedestrian Safety



Day

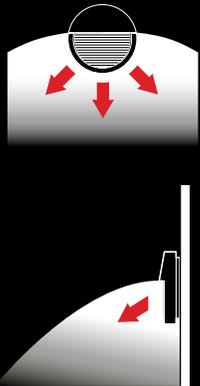
30 Series luminaires are ideally mounted below eye level as an integral part of architecture or hardscape. Because the light source is fully shielded and baffled, the fixture is very subtle in daytime appearance and blends well with its architecture.



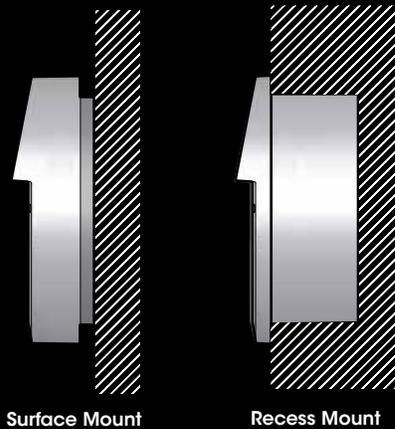
Night

30 Series luminaires are designed to light paved surfaces for pedestrian traffic while providing enhanced visibility through glare-free illumination. Fixtures create pools of light which can be enhanced by locating pole mounted area fixtures nearby for vertical fill illumination.

Optical Configuration



Mounting Configurations



Specifications

Housing - One-piece heavy wall aluminum (A360 alloy; <0.6% copper) construction, pretreated and powdercoated. Surface mount and recess mount. Recessed housings are powder coated for use in concrete.

Door Frame - Corrosion resistant, precise cast aluminum, low copper (A360 alloy, <0.6% copper) construction with decorative illuminated aperture.

Optics - Specular aluminum reflector combines with clear tempered glass lens and stepped face to evenly distribute illumination and control brightness while concealing lamp/LED source.

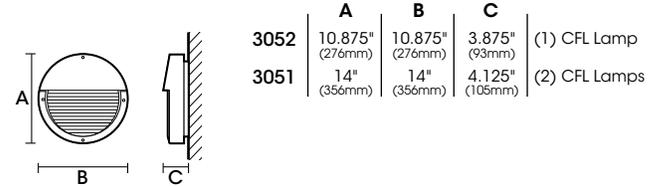
Electrical Components - All electrical components are UL recognized. Electronic MH ballasts are high power factor, -20F starting, 120-277V, 50Hz/60Hz. 347V option utilizes a step down transformer to the electronic ballast. Magnetic MH ballasts are high power factor, -20F starting, multi-tap 120-277V and 347V, 60Hz. HPS ballasts are core and coil, reactor-style, high power factor, -40F starting, 120V. Compact Fluorescent ballast is electronic, 120-277V, 50Hz/60Hz. Electrical components are mounted to a unitized ballast tray inside the body, and factory installed. Ballast assembly connects to optical plate assembly via quick disconnects.

LED Driver - Constant current LED drivers are UL and cUL recognized mounted on a single plate and factory prewired with quick-disconnect plugs. Drivers are electronic and have a power factor of >.90 and a minimum operating temperature of -40°F. Drivers accept an input of 120-277V, 50/60Hz. (Consult factory for dimming applications.)

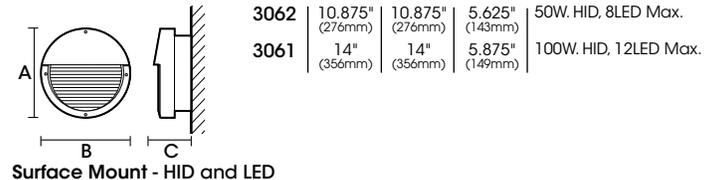
Finish - Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

Listings and Ratings - UL Listed for wet locations.

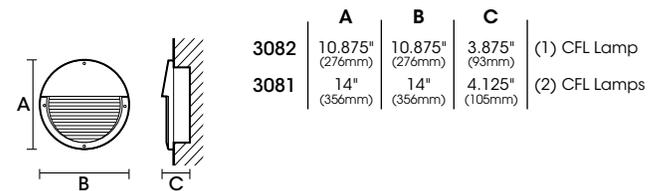
Dimensions



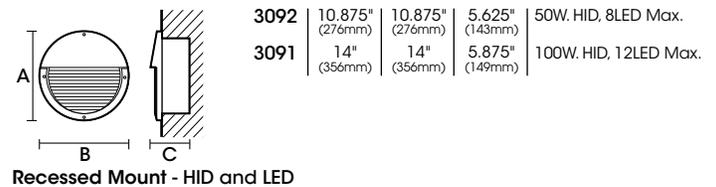
Surface Mount - Fluorescent and Incandescent



Surface Mount - HID and LED



Recessed Mount - Fluorescent and Incandescent



Recessed Mount - HID and LED

Spec/Order Example: 3062/50PSMH240/RAL-8019-T/QTZ

Note: Select either LED Mode or Lamp Mode.

MODEL / MOUNTING	LED MODE	LAMP MODE	FINISH	OPTIONS
<input type="checkbox"/> 3052 Surface <input type="checkbox"/> 3082 Surface Halo (COATED LAMPS RECOMMENDED)	Not Available	WATTAGE <input type="checkbox"/> 60 <input type="checkbox"/> 13 TYPE <input type="checkbox"/> INC <input type="checkbox"/> CFL VOLTAGE <input type="checkbox"/> 120 <input type="checkbox"/> 277	STANDARD TEXTURED FINISH <input type="checkbox"/> BLACK RAL-9005-T <input type="checkbox"/> WHITE RAL-9003-T <input type="checkbox"/> GREY RAL-7004-T <input type="checkbox"/> DARK BRONZE RAL-8019-T <input type="checkbox"/> GREEN RAL-6005-T	<input type="checkbox"/> QUARTZ STANDBY (HID UNITS ONLY) QTZ <input type="checkbox"/> SINGLE FUSE (120V., 277V) (HID UNITS ONLY) SF <input type="checkbox"/> DOUBLE FUSE (208V., 240V) (HID UNITS ONLY) DF
<input type="checkbox"/> 3051 Surface <input type="checkbox"/> 3081 Recessed (COATED LAMPS RECOMMENDED)	Not Available	WATTAGE <input type="checkbox"/> 42 <input type="checkbox"/> 32 <input type="checkbox"/> 28 <input type="checkbox"/> 26 <input type="checkbox"/> 18 TYPE <input type="checkbox"/> CFL* VOLTAGE <input type="checkbox"/> 120 <input type="checkbox"/> 277 * 2 LAMPS PER FIXTURE	FOR SMOOTH FINISH REMOVE SUFFIX "T" (EXAMPLE: RAL-9005)	
<input type="checkbox"/> 3062 Surface <input type="checkbox"/> 3092 Recessed	NO. LEDs <input type="checkbox"/> 8LED (10 Watts) COLOR <input type="checkbox"/> NW* <input type="checkbox"/> CW <input type="checkbox"/> WW	<input type="checkbox"/> 50 <input type="checkbox"/> PSMH <input type="checkbox"/> HPS MED. BASE LAMP <input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277		
<input type="checkbox"/> 3061 Surface <input type="checkbox"/> 3091 Recessed	<input type="checkbox"/> 12LED (14 Watts) <input type="checkbox"/> NW* <input type="checkbox"/> CW <input type="checkbox"/> WW *NW - NEUTRAL WHITE (4000K) *STANDARD CW - COOL WHITE (5000K) WW - WARM WHITE (3000K) CONSULT FACTORY FOR OTHER LED COLORS	<input type="checkbox"/> 100 <input type="checkbox"/> 70 <input type="checkbox"/> 50 <input type="checkbox"/> PSMH <input type="checkbox"/> HPS MED. BASE LAMP <input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347 CONSULT FACTORY FOR OTHER VOLTAGES	CONSULT FACTORY FOR CUSTOM COLORS	

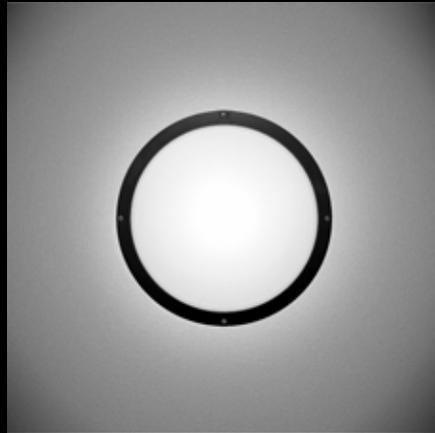
50 Series

For Architectural Accent and Perimeter Security



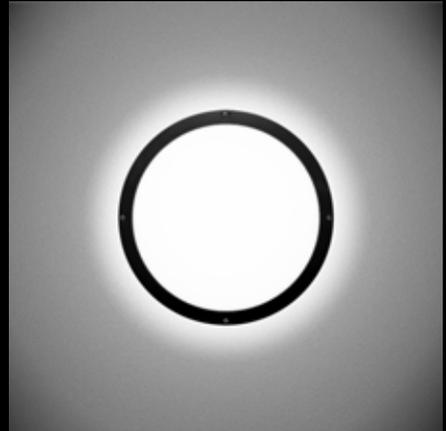
Day

50 Series luminaires carry the 10 and 20 Series to their simplest and most contemporary form. The slightly convex circular white enclosure will complement modern architecture without distracting from the design. Ideal mounting height is 7' to 10'.

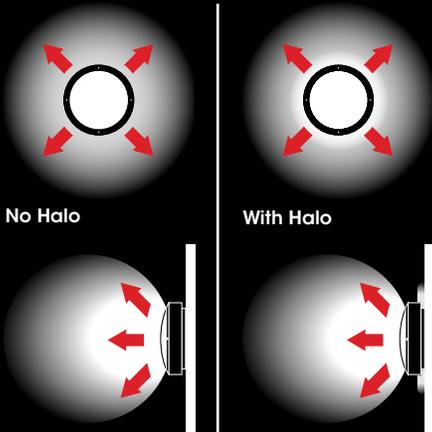


Night

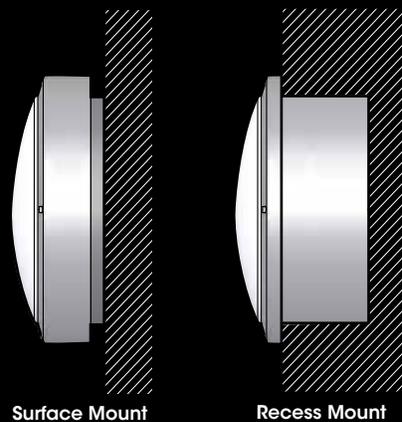
50 Series luminaires project a very soft but full vertical and horizontal spread of illumination. They are ideal for perimeter areas that need visual security through the illumination of vertical objects including people. Specify the Halo option to visually float the fixture from the wall.



Optical Configurations



Mounting Configurations



Specifications

Housing - One-piece heavy wall aluminum (A360 alloy; <0.6% copper) construction, pretreated and powdercoated. Surface mount and recess mount. Recessed housings are powder coated for use in concrete.

Door Frame - Corrosion resistant, precise cast aluminum, low copper (A360 alloy, <0.6% copper) construction with decorative illuminated aperture.

Optics - Opal tempered glass evenly distributes illumination and eliminates lamp/LED image.

5071 and 5072 units designed to provide a halo effect on mounting surface.

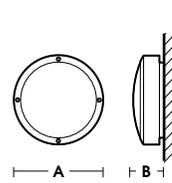
Electrical Components - All electrical components are UL recognized. Electronic MH ballasts are high power factor, -20F starting, 120-277V, 50Hz/60Hz. 347V option utilizes a step down transformer to the electronic ballast. Magnetic MH ballasts are high power factor, -20F starting, multi-tap 120-277V and 347V, 60Hz. HPS ballasts are core and coil, reactor-style, high power factor, -40F starting, 120V. Compact Fluorescent ballast is electronic, 120-277V, 50Hz/60Hz. Electrical components are mounted to a unitized ballast tray inside the body, and factory installed. Ballast assembly connects to optical plate assembly via quick disconnects.

LED Driver - Constant current LED drivers are UL and cUL recognized mounted on a single plate and factory prewired with quick-disconnect plugs. Drivers are electronic and have a power factor of >.90 and a minimum operating temperature of -40°F. Drivers accept an input of 120-277V, 50/60Hz. (Consult factory for dimming applications.)

Finish - Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

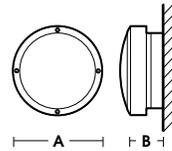
Listings and Ratings - UL Listed for wet locations.

Dimensions



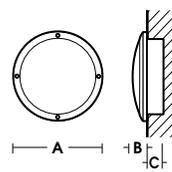
	A	B	
5052	10.875" (276mm)	3.75" (95mm)	(1) CFL Lamp
5051	14" (356mm)	4.375" (111mm)	(2) CFL Lamps
5072	10.875" (276mm)	3.75" (95mm)	Halo, (1) CFL Lamp
5071	14" (356mm)	4.375" (111mm)	Halo, (2) CFL Lamps

Surface Mount - Fluorescent and Incandescent



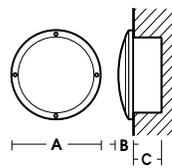
5062	10.875" (276mm)	5.5" (140mm)	50W. HID, 8LED Max.
5061	14" (356mm)	6.125" (156mm)	100W. HID, 12LED Max.

Surface Mount - HID and LED



	A	B	C	
5082	10.875" (276mm)	1.5" (38mm)	2.25" (57mm)	(1) CFL Lamp
5081	14" (356mm)	2.125" (54mm)	2.25" (57mm)	(2) CFL Lamps

Recessed Mount - Fluorescent and Incandescent



5092	10.875" (276mm)	2" (51mm)	3.5" (89mm)	50W. HID, 8LED Max.
5091	14" (356mm)	2.65" (67mm)	3.5" (89mm)	100W. HID, 12LED Max.

Recessed Mount - HID and LED

Spec/Order Example: 5071 /42CFL120/RAL-9003/SF

Note: Select either LED Mode or Lamp Mode.

MODEL / MOUNTING		LED MODE		LAMP MODE			FINISH	OPTIONS			
<input type="checkbox"/> 5052	Surface	Not Available		<input type="checkbox"/> 60	<input type="checkbox"/> INC	<input type="checkbox"/> 120	STANDARD TEXTURED FINISH	<input type="checkbox"/> QUARTZ STANDBY (HID UNITS ONLY) QTZ			
<input type="checkbox"/> 5072	Surface Halo			<input type="checkbox"/> 13	<input type="checkbox"/> CFL	<input type="checkbox"/> 120					
<input type="checkbox"/> 5082	Recessed					<input type="checkbox"/> 277					
(COATED LAMPS RECOMMENDED)											
<input type="checkbox"/> 5051	Surface	Not Available		<input type="checkbox"/> 42	<input type="checkbox"/> CFL*	<input type="checkbox"/> 120	BLACK RAL-9005-T	<input type="checkbox"/> SINGLE FUSE (120V., 277V) (HID UNITS ONLY) SF			
<input type="checkbox"/> 5071	Surface Halo			<input type="checkbox"/> 32		<input type="checkbox"/> 277					
<input type="checkbox"/> 5081	Recessed			<input type="checkbox"/> 28							
				<input type="checkbox"/> 26							
				<input type="checkbox"/> 18	* 2 LAMPS PER FIXTURE		GREY RAL-7004-T	<input type="checkbox"/> DOUBLE FUSE (208V., 240V) (HID UNITS ONLY) DF			
(COATED LAMPS RECOMMENDED)											
<input type="checkbox"/> 5062	Surface	NO. LEDs	COLOR	<input type="checkbox"/> 50	<input type="checkbox"/> PSMH	<input type="checkbox"/> 120	DARK BRONZE RAL-8019-T				
<input type="checkbox"/> 5092	Recessed	<input type="checkbox"/> 8LED (10 Watts)	<input type="checkbox"/> NW*		<input type="checkbox"/> HPS	<input type="checkbox"/> 208					
			<input type="checkbox"/> CW		MED. BASE LAMP	<input type="checkbox"/> 240					
			<input type="checkbox"/> WW			<input type="checkbox"/> 277					
(COATED LAMPS RECOMMENDED)											
<input type="checkbox"/> 5061	Surface	<input type="checkbox"/> 12LED (14 Watts)	<input type="checkbox"/> NW*	<input type="checkbox"/> 100	<input type="checkbox"/> PSMH	<input type="checkbox"/> 120	FOR SMOOTH FINISH REMOVE SUFFIX "T" (EXAMPLE: RAL-9005)				
<input type="checkbox"/> 5091	Recessed								<input type="checkbox"/> 70	<input type="checkbox"/> HPS	<input type="checkbox"/> 208
									<input type="checkbox"/> 50		<input type="checkbox"/> 240
											<input type="checkbox"/> 277
											<input type="checkbox"/> 347
		*NW - NEUTRAL WHITE (4000K) *STANDARD		MED. BASE LAMP		CONSULT FACTORY FOR CUSTOM COLORS					
		CW - COOL WHITE (5000K)		CONSULT FACTORY FOR OTHER VOLTAGES							
		WW - WARM WHITE (3000K)									
		CONSULT FACTORY FOR OTHER LED COLORS									

8456

For Pedestrian Safety

Day

Available in both louvered and open face configurations, the 8456 is a clean rectangular form, recessed into the wall for an integral look. The 8456 is capable of illuminating sizeable areas around building perimeters, and open areas when mounted in planter or retaining walls. The louvered model also provides additional vandal resistance. Ideal mounting height is 18" to 4'.

Louvered Face

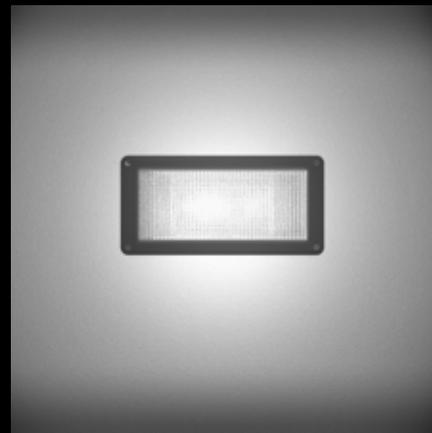


Open Face

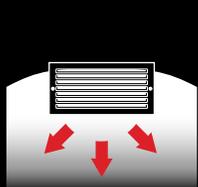


Night

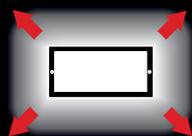
The louvered model provides downward illumination with low brightness in areas where subtle lighting is desired that will not wash out the architecture. The open face model is ideal where a high level of visual security is desired, with vertical site elements illuminated including people.



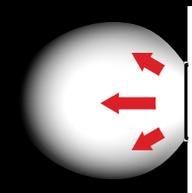
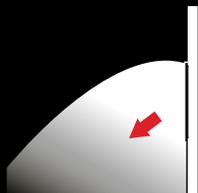
Optical Configurations



Louvered Face



Open Face



Typical Mounting Locations and Applications



Specifications

Housing - Heavy wall cast aluminum (A356 alloy; < 0.2% copper) construction. Powder coated for use in concrete. Two (2) 3/4" NPT conduit entries provided at bottom of the Splice Compartment.

Lens Frame - Cast aluminum (A356 alloy; < 0.2% copper) construction in louvered frame or open frame configurations.

Lens

Louvered Lens Frame - 3/16" tempered glass, frosted (ALF) or prismatic (ALP).

Open Lens Frame - 3/16" tempered glass, frosted (NLF) or prismatic (NLP).

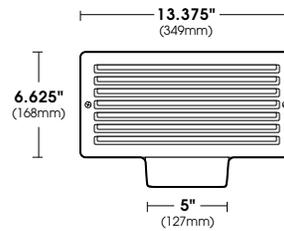
Electrical Components - All electrical components are UL recognized. Electronic MH ballasts are high power factor, -20F starting, 120-277V, 50Hz/60Hz. 347V option utilizes a step down transformer to the electronic ballast. Magnetic MH ballasts are high power factor, -20F starting, multi-tap 120-277V and 347V, 60Hz. HPS ballasts are core and coil, reactor-style, high power factor, -40F starting, 120V. Compact Fluorescent ballast is electronic, 120-277V, 50Hz/60Hz. Electrical components are mounted to a unitized ballast tray inside the body, and factory installed. Ballast assembly connects to optical plate assembly via quick disconnects.

LED Driver - Constant current LED drivers are UL and cUL recognized mounted on a single plate and factory prewired with quick-disconnect plugs. Drivers are electronic and have a power factor of >.90 and a minimum operating temperature of -40°F. Drivers accept an input of 120-277V, 50/60Hz. (Consult factory for dimming applications.)

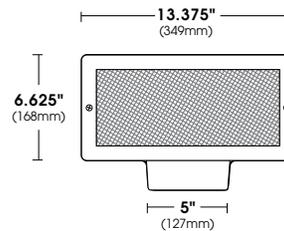
Finish - Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

Listings and Ratings - UL Listed for wet locations.

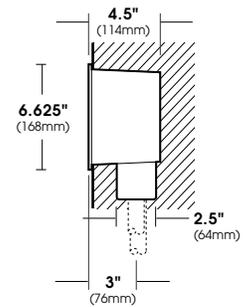
Dimensions



8456 - Louvered Face
60W. Max. Incandescent
42W. Max. CFL
100W. Max. HID
20LED Max.



8456 - Open Face
60W. Max. Incandescent
42W. Max. CFL
100W. Max. HID
20LED Max.



Spec/Order Example: 8456-NLF/60INC120/RAL-9003-T

Note: Select either LED Mode or Lamp Mode.

MODEL / FACE	LED MODE		LAMP MODE			FINISH
<input type="checkbox"/> 8456 - ALF  Louvered Face Frosted Glass	<input type="checkbox"/> 20LED (23 Watts)	<input type="checkbox"/> NW* <input type="checkbox"/> CW <input type="checkbox"/> WW	<input type="checkbox"/> 60 <hr/> <input type="checkbox"/> 42 <input type="checkbox"/> 32 <input type="checkbox"/> 26 <input type="checkbox"/> 18	<input type="checkbox"/> INC <hr/> <input type="checkbox"/> CFL	<input type="checkbox"/> 120 <hr/> <input type="checkbox"/> 120 <input type="checkbox"/> 277	STANDARD TEXTURED FINISH <input type="checkbox"/> BLACK RAL-9005-T <input type="checkbox"/> WHITE RAL-9003-T <input type="checkbox"/> GREY RAL-7004-T <input type="checkbox"/> DARK BRONZE RAL-8019-T <input type="checkbox"/> GREEN RAL-6005-T FOR SMOOTH FINISH REMOVE SUFFIX 'T' (EXAMPLE: RAL-9005)
<input type="checkbox"/> 8456 - ALP  Louvered face Prismatic Glass						
<input type="checkbox"/> 8456 - NLF  Open Face Frosted Glass		*NW - NEUTRAL WHITE (4000K) *STANDARD CW - COOL WHITE (5000K) WW - WARM WHITE (3000K)	<input type="checkbox"/> 100 <input type="checkbox"/> 70 <input type="checkbox"/> 50 <input type="checkbox"/> 35	<input type="checkbox"/> PSMH <input type="checkbox"/> HPS MED. BASE LAMP	<input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347	
<input type="checkbox"/> 8456 - NLP  Open Face Prismatic Glass						
	CONSULT FACTORY FOR OTHER LED COLORS		CONSULT FACTORY FOR OTHER VOLTAGES			CONSULT FACTORY FOR CUSTOM COLORS

8520

For Pedestrian Safety and Perimeter Security

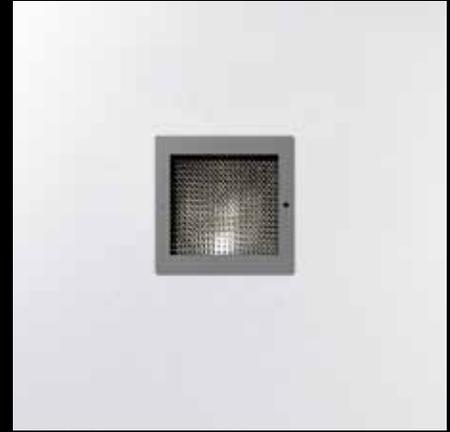
Day

Available in both louvered and open face configurations, the 8456 is a clean rectangular form, recessed into the wall for an integral look. The 8456 is capable of illuminating sizeable areas around building perimeters, and open areas when mounted in planter or retaining walls. The louvered model also provides additional vandal resistance. Ideal mounting height is 18" to 4'.

Louvered Face

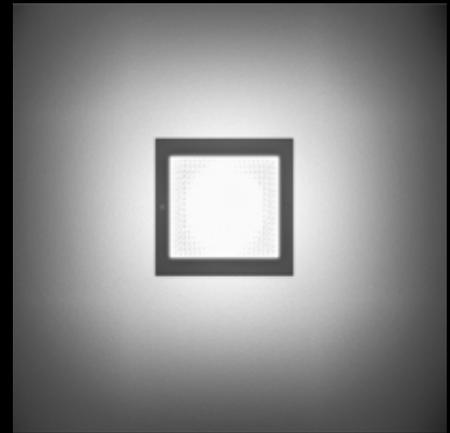
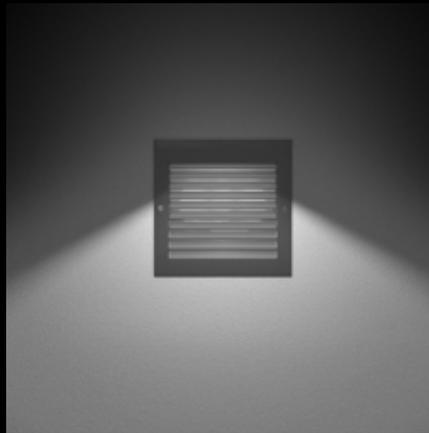


Open Face

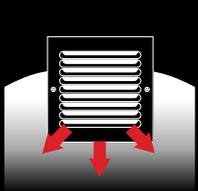


Night

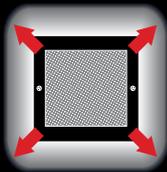
The louvered model provides downward illumination with low brightness in areas where subtle lighting is desired that will not wash out the architecture. The open face model is ideal where a high level of visual security is desired, with vertical site elements illuminated including people.



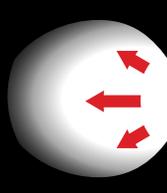
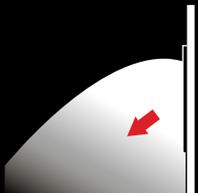
Optical Configurations



Louvered Face



Open Face



Typical Mounting Locations and Applications



Specifications

Housing - Heavy wall cast aluminum (A356 alloy; < 0.2% copper) construction. Powder coated for use in concrete. Two (2) 3/4" NPT conduit entries provided at bottom of Splice Compartment.

Lens Frame - Cast aluminum (A356 alloy; < 0.2% copper) construction in louvered frame or open frame configurations.

Lens

Louvered Lens Frame - 3/16" tempered glass, frosted (ALF) or prismatic (ALP).

Open Lens Frame - 3/16" tempered glass, frosted (NLF) or prismatic (NLP).

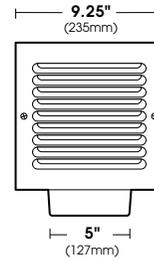
Electrical Components - All electrical components are UL recognized. Electronic MH ballasts are high power factor, -20F starting, 120-277V, 50Hz/60Hz. 347V option utilizes a step down transformer to the electronic ballast. Magnetic MH ballasts are high power factor, -20F starting, multi-tap 120-277V and 347V, 60Hz. HPS ballasts are core and coil, reactor-style, high power factor, -40F starting, 120V. Compact Fluorescent ballast is electronic, 120-277V, 50Hz/60Hz. Electrical components are mounted to a unitized ballast tray inside the body, and factory installed. Ballast assembly connects to optical plate assembly via quick disconnects.

LED Driver - Constant current LED drivers are UL and cUL recognized mounted on a single plate and factory prewired with quick-disconnect plugs. Drivers are electronic and have a power factor of >.90 and a minimum operating temperature of -40°F. Drivers accept an input of 120-277V, 50/60Hz. (Consult factory for dimming applications.)

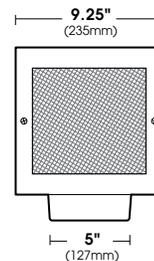
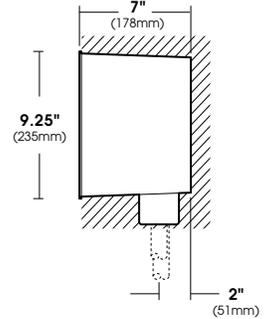
Finish - Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

Listings and Ratings - UL Listed for wet locations.

Dimensions



8520 - Louvered Face
100W. Max. Incandescent
32W. Max. CFL
150W. Max. HID
16LED Max.



8520 - Open Face
100W. Max. Incandescent
32W. Max. CFL
150W. Max. HID
16LED Max.

Spec/Order Example: 8520-ALF/100INC120V/RAL-7004-T/DF

Note: Select either LED Mode or Lamp Mode.

MODEL / FACE	LED MODE		LAMP MODE			FINISH	OPTIONS	
	NO. LEDs	COLOR	WATTAGE	TYPE	VOLTAGE			
<input type="checkbox"/> 8520 - ALF Louvered Face Frosted Glass	<input type="checkbox"/> 16LED (19 Watts)	<input type="checkbox"/> NW*	<input type="checkbox"/> 100	<input type="checkbox"/> INC	<input type="checkbox"/> 120	<input type="checkbox"/> BLACK RAL-9005-T	<input type="checkbox"/> QUARTZ STANDBY (HID UNITS ONLY) QTZ	
		<input type="checkbox"/> CW	<input type="checkbox"/> 32 <input type="checkbox"/> 26 <input type="checkbox"/> 18 <input type="checkbox"/> 13	<input type="checkbox"/> CFL	<input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347			<input type="checkbox"/> WHITE RAL-9003-T
<input type="checkbox"/> 8520 - ALP Louvered face Prismatic Glass		<input type="checkbox"/> WW				<input type="checkbox"/> GREY RAL-7004-T	<input type="checkbox"/> DOUBLE FUSE (208V. , 240V) (HID UNITS ONLY) DF	
<input type="checkbox"/> 8520 - NLF Open Face Frosted Glass		*NW - NEUTRAL WHITE (4000K) *STANDARD CW - COOL WHITE (5000K) WW - WARM WHITE (3000K)	<input type="checkbox"/> 150 <input type="checkbox"/> 100 <input type="checkbox"/> 70 <input type="checkbox"/> 50	<input type="checkbox"/> PSMH <input type="checkbox"/> HPS	<input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347	<input type="checkbox"/> DARK BRONZE RAL-8019-T		
<input type="checkbox"/> 8520 - NLP Open Face Prismatic Glass				MED. BASE LAMP		<input type="checkbox"/> GREEN RAL-6005-T		
	CONSULT FACTORY FOR OTHER LED COLORS		CONSULT FACTORY FOR OTHER VOLTAGES			FOR SMOOTH FINISH REMOVE SUFFIX 'T' (EXAMPLE: RAL-9005)		CONSULT FACTORY FOR CUSTOM COLORS

8530

For Pedestrian Safety and Perimeter Security

Day

Available in both louvered and open face configurations, the 8456 is a clean rectangular form, recessed into the wall for an integral look. The 8456 is capable of illuminating sizeable areas around building perimeters, and open areas when mounted in planter or retaining walls. The louvered model also provides additional vandal resistance. Ideal mounting height is 18" to 4'.

Louvered Face

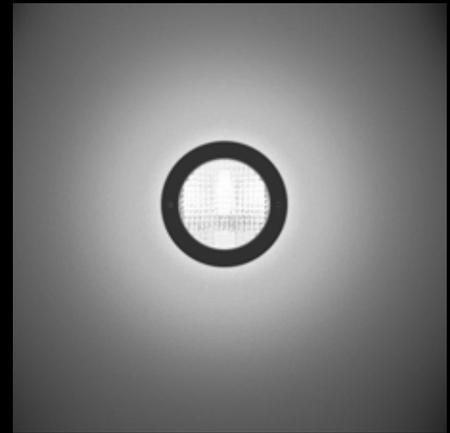


Open Face

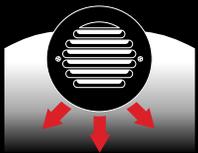


Night

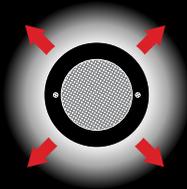
The louvered model provides downward illumination with low brightness in areas where subtle lighting is desired that will not wash out the architecture. The open face model is ideal where a high level of visual security is desired, with vertical site elements illuminated including people.



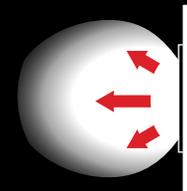
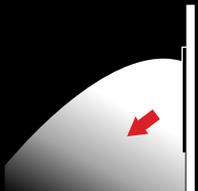
Optical Configurations



Louvered Face



Open Face



Typical Mounting Location and Application



Specifications

Housing and Splice Compartment - Heavy wall cast aluminum (A356 alloy; < 0.2% copper) construction. Powder coated for use in concrete. Two (2) 3/4" NPT conduit entries provided at bottom of Splice Compartment.

Lens Frame - Cast aluminum (A356 alloy; < 0.2% copper) construction in louvered frame or open frame configurations.

Lens

Louvered Lens Frame - 3/16" tempered glass, frosted (ALF) or prismatic (ALP).

Open Lens Frame - 3/16" tempered glass, frosted (NLF) or prismatic (NLP).

Electrical Components - All electrical components are UL recognized. Electronic MH ballasts are high power factor, -20F starting, 120-277V, 50Hz/60Hz. 347V option utilizes a step down transformer to the electronic ballast. Magnetic MH ballasts are high power factor, -20F starting, multi-tap 120-277V and 347V, 60Hz. HPS ballasts are core and coil, reactor-style, high power factor, -40F starting, 120V. Compact Fluorescent ballast is electronic, 120-277V, 50Hz/60Hz. Electrical components are mounted to a unitized ballast tray inside the body, and factory installed. Ballast assembly connects to optical plate assembly via quick disconnects.

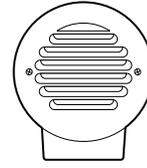
LED Driver - Constant current LED drivers are UL and cUL recognized mounted on a single plate and factory prewired with quick-disconnect plugs. Drivers are electronic and have a power factor of >.90 and a minimum operating temperature of -40°F. Drivers accept an input of 120-277V, 50/60Hz. (Consult factory for dimming applications.)

Finish - Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

Listings and Ratings - UL Listed for wet locations.

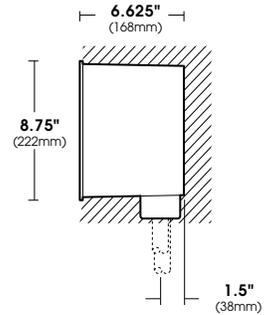
Dimensions

8.75"
(222mm)

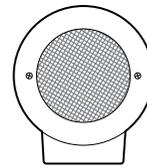


5"
(127mm)

8530 - Louvered Face
100W. Max. Incandescent
32W. Max. CFL
100W. Max. HID
12LED Max.



8.75"
(222mm)



5"
(127mm)

8530 - Open Face
100W. Max. Incandescent
32W. Max. CFL
100W. Max. HID
12LED Max.

Spec/Order Example: 8530-ALP/6LEDCW/RAL-6005

Note: Select either LED Mode or Lamp Mode.

MODEL / FACE	LED MODE		LAMP MODE			FINISH	OPTIONS
	NO. LEDs	COLOR	WATTAGE	TYPE	VOLTAGE		
<input type="checkbox"/> 8530 - ALF Louvered Face Frosted Glass	<input type="checkbox"/> 12LED (14 Watts)	<input type="checkbox"/> NW*	<input type="checkbox"/> 100	<input type="checkbox"/> INC	<input type="checkbox"/> 120	<input type="checkbox"/> BLACK RAL-9005-T	<input type="checkbox"/> QUARTZ STANDBY (HID UNITS ONLY) QTZ
		<input type="checkbox"/> CW	<input type="checkbox"/> 32 <input type="checkbox"/> 26 <input type="checkbox"/> 18 <input type="checkbox"/> 13	<input type="checkbox"/> CFL	<input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347		
<input type="checkbox"/> 8530 - ALP Louvered face Prismatic Glass	<input type="checkbox"/> 12LED (14 Watts)	<input type="checkbox"/> NW*	<input type="checkbox"/> 150	<input type="checkbox"/> PSMH	<input type="checkbox"/> 120	<input type="checkbox"/> GREY RAL-7004-T	<input type="checkbox"/> DOUBLE FUSE (208V., 240V) (HID UNITS ONLY) DF
		<input type="checkbox"/> CW	<input type="checkbox"/> 70 <input type="checkbox"/> 50	<input type="checkbox"/> HPS	<input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347		
<input type="checkbox"/> 8530 - NLF Open Face Frosted Glass	<input type="checkbox"/> 12LED (14 Watts)	<input type="checkbox"/> WW	MED. BASE LAMP		<input type="checkbox"/> GREEN RAL-6005-T	FOR SMOOTH FINISH REMOVE SUFFIX 'T' (EXAMPLE: RAL-9005)	
<input type="checkbox"/> 8530 - NLP Open Face Prismatic Glass	<input type="checkbox"/> 12LED (14 Watts)	*NW - NEUTRAL WHITE (4000K) *STANDARD CW - COOL WHITE (5000K) WW - WARM WHITE (3000K)	CONSULT FACTORY FOR OTHER LED COLORS		CONSULT FACTORY FOR OTHER VOLTAGES	CONSULT FACTORY FOR CUSTOM COLORS	

8630

For Pedestrian Safety



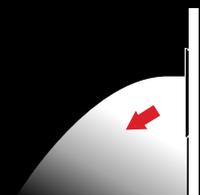
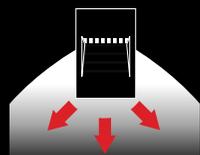
Day

The 8630 has a strong architectural look, yet blends into vertical surfaces as an integral element. The smooth aluminum face plate is accented by an angled surface with baffles, concealing the lens from normal view. Ideal mounting height is 18" to 4'.

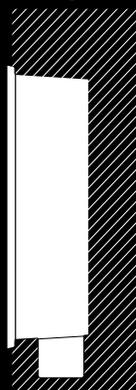
Night

The 8630 luminaire is designed to light paved surfaces for pedestrian traffic while providing enhanced visibility through glare-free illumination. The fixture creates pools of light which can be augmented by locating pole mounted area fixtures nearby for vertical fill illumination.

Optical Configuration



Mounting Configuration



Recess Mount

Specifications

Housing - Heavy wall cast aluminum (A356 alloy; < 0.2% copper) construction. Powder coated for use in concrete. Two (2) 3/4" NPT conduit entries provided at bottom of Splice Compartment.

Lens Frame - Corrosion resistant, precise cast aluminum (A356 alloy; < 0.2% copper) construction with vandal resistant lens guard.

Optics - Specular aluminum reflector combines with 3/16" clear tempered glass lens and stepped face to evenly distribute illumination and control brightness while concealing the lamp/LED source.

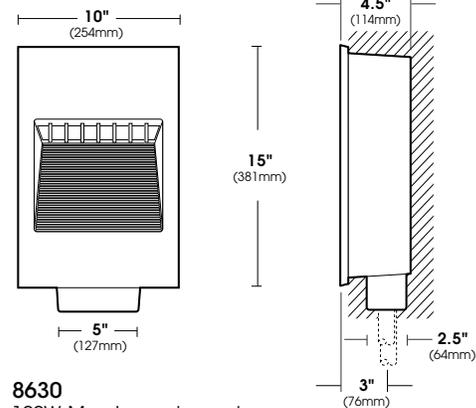
Electrical Components - All electrical components are UL recognized. Electronic MH ballasts are high power factor, -20F starting, 120-277V, 50Hz/60Hz. 347V option utilizes a step down transformer to the electronic ballast. Magnetic MH ballasts are high power factor, -20F starting, multi-tap 120-277V and 347V, 60Hz. HPS ballasts are core and coil, reactor-style, high power factor, -40F starting, 120V. Compact Fluorescent ballast is electronic, 120-277V, 50Hz/60Hz. Electrical components are mounted to a unitized ballast tray inside the body, and factory installed. Ballast assembly connects to optical plate assembly via quick disconnects.

LED Driver - Constant current LED drivers are UL and cUL recognized mounted on a single plate and factory prewired with quick-disconnect plugs. Drivers are electronic and have a power factor of >.90 and a minimum operating temperature of -40°F. Drivers accept an input of 120-277V, 50/60Hz. (Consult factory for dimming applications.)

Finish - Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

Listings and Ratings - UL Listed for wet locations.

Dimensions



8630
 100W. Max. Incandescent
 42W. Max. CFL
 150W. Max. HID
 16LED Max.

Spec/Order Example: 8630/26CFL208V/RAL-9003-T/QTZ

Note: Select either LED Mode or Lamp Mode.

MODEL / MOUNTING	LED MODE		LAMP MODE			FINISH	OPTIONS
	NO. LEDs	COLOR	WATTAGE	TYPE	VOLTAGE		
<input type="checkbox"/> 8630 Recessed	<input type="checkbox"/> 16LED (19 Watts)	<input type="checkbox"/> NW*	<input type="checkbox"/> 100	<input type="checkbox"/> INC	<input type="checkbox"/> 120	<input type="checkbox"/> BLACK RAL-9005-T	<input type="checkbox"/> QUARTZ STANDBY (HID UNITS ONLY) QTZ
		<input type="checkbox"/> CW	<input type="checkbox"/> 42	<input type="checkbox"/> CFL	<input type="checkbox"/> 120		
		<input type="checkbox"/> WW	<input type="checkbox"/> 32		<input type="checkbox"/> 208	<input type="checkbox"/> WHITE RAL-9003-T	<input type="checkbox"/> SINGLE FUSE (120V. , 277V) (HID UNITS ONLY) SF
			<input type="checkbox"/> 26		<input type="checkbox"/> 240		
			<input type="checkbox"/> 18		<input type="checkbox"/> 277	<input type="checkbox"/> GREY RAL-7004-T	<input type="checkbox"/> DOUBLE FUSE (208V. , 240V) (HID UNITS ONLY) DF
			<input type="checkbox"/> 13		<input type="checkbox"/> 347		
		*NW - NEUTRAL WHITE (4000K) *STANDARD	<input type="checkbox"/> 150	<input type="checkbox"/> PSMH	<input type="checkbox"/> 120	<input type="checkbox"/> DARK BRONZE RAL-8019-T	
		CW - COOL WHITE (5000K)	<input type="checkbox"/> 100	<input type="checkbox"/> HPS	<input type="checkbox"/> 208		
		WW - WARM WHITE (3000K)	<input type="checkbox"/> 70		<input type="checkbox"/> 240	<input type="checkbox"/> GREEN RAL-6005-T	
			<input type="checkbox"/> 50		<input type="checkbox"/> 277		
				MED. BASE LAMP	<input type="checkbox"/> 347		
		CONSULT FACTORY FOR OTHER LED COLORS		CONSULT FACTORY FOR OTHER VOLTAGES			
						FOR SMOOTH FINISH REMOVE SUFFIX 'T' (EXAMPLE: RAL-9005)	
						CONSULT FACTORY FOR CUSTOM COLORS	

Camber 1 & 2

For Architectural Accent, Pedestrian Safety, Perimeter Security and Dual Function

Day

Camber is designed to be seen both day and night. Its daytime form is an eclectic blend of shapes accented by structurally expressive components. Mounted on walls and building entrances, Camber becomes an accent element for a broad range of contemporary architectural design themes. Ideal mounting height is 8' to 12'.

CBR1



CBR2



Night

Camber delivers both functional down lighting for security and safety, plus up lighting (CBR1) for architectural features such as overhangs and projections. If upward light is not needed, CBR2 has an adjustable reflector disc to redirect light downward. Since the light source is fully shielded, Camber has very low brightness. Specify lighter finishes for maximum fixture surface reflections.

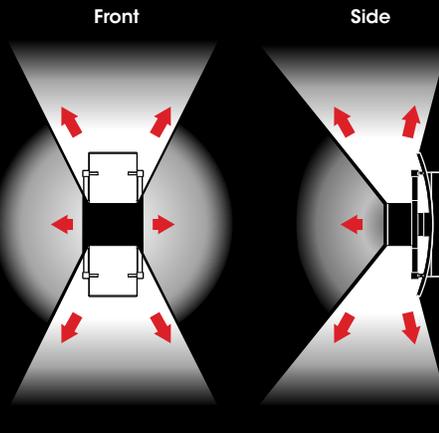


Optional Emergency Egress

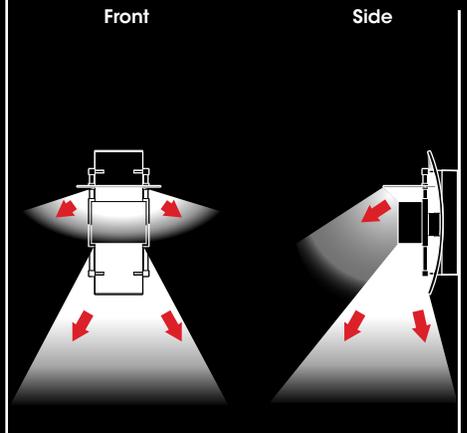


CAT. NO. EE
20W to 50W MR16 fixture for discrete wiring back to emergency generator, inverter or battery backup by others.

CBR1 primary light distribution is down and up flood. Horizontal spill light illuminates the wall while bounce light off the curved plane provides additional vertical light for visual security.



CBR2 primary light distribution is downward. Horizontal spill light illuminates the wall while bounce light off the curved plane and top disc provides additional vertical light for visual security.



Specifications

Fixture - Durable corrosion resistant, low copper cast aluminum (A356 alloy; <0.2% Cu) with inset to index Body to Ballast Housing. Body mounts to Ballast Housing after Ballast Housing installation via cast hinges designed to accept stainless-steel hinge pins. Strut support arms are cast as integral components of the Fixture Body. Struts are parallel extruded aluminum .84" diameter and are indexed to allow Glare Shield to be secured in one of five (5) vertical positions. One Strut has stainless steel recessed captive socket-head screws top and bottom to allow Glare Shield, Indirect Reflectors, or Half Cylinder to hinge away for relamping.

Lamp Enclosure - One piece molded glass threads into cast aluminum gasketed socket cup.

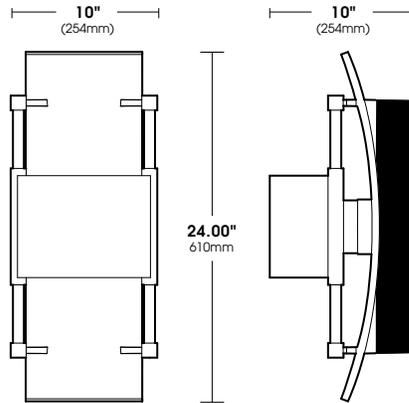
Electrical Components - High power factor ballasts are rigidly mounted inside the Fixture Body and are factory prewired with a quick-disconnect plug for mating to the socket. HPS core and coil ballast, reactor type - high power factor with starting temperatures of -40°F. MH electronic HID ballasts are high power factor, low frequency, -20°F starting. Fluorescent ballasts are electronic, high power factor, 0°F starting. HID socket is 4KV pulse rated medium base. Optional G-12 base socket is available for 70PSMH T6 lamp mode. Fluorescent socket is universal for 26W, 32W, or 42W CFL lamps.

LED Driver - Constant current LED drivers are UL and cUL recognized mounted on a single plate and factory prewired with quick-disconnect plugs. Drivers are electronic and have a power factor of >.90 and a minimum operating temperature of -40°F. Drivers accept an input of 120-277V, 50/60Hz. (Consult factory for dimming applications.)

Finish - Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

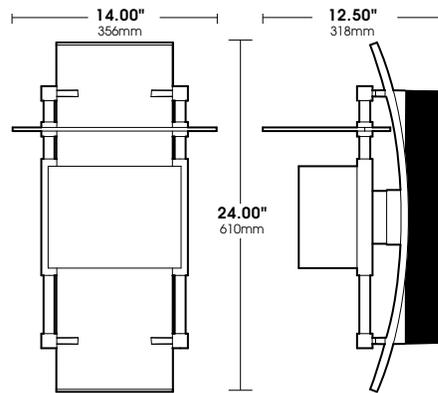
Listings and Ratings - UL Listed for wet locations.

Dimensions



CBR1
42W. Max. CFL
100W. Max. HID
12LED Max.

CBR1 (Glare Shield)
Corrosion resistant aluminum construction. Shield has toolless hardware for indexing in one of five (5) positions (1" increments) along vertical Struts.

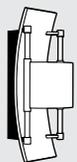
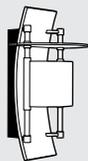


CBR2
42W. Max. CFL
100W. Max. HID
12LED Max.

CBR2 (Flat Indirect Reflector)
Constructed of corrosion resistant low copper cast aluminum alloy #A356 (<0.2% Cu). Indirect reflector is flat and has stainless steel socket-head screws to secure its vertical position along the Struts.

Spec/Order Example: CBR2/12LEDNW/RAL-9005-T

Note: Select either LED Mode or Lamp Mode.

MODEL	LED MODE		LAMP MODE			FINISH	OPTIONS
	NO. LEDs	COLOR	WATTAGE	TYPE	VOLTAGE		
<input type="checkbox"/> CBR1 	<input type="checkbox"/> 12LED (14 Watts)	<input type="checkbox"/> NW [*]	<input type="checkbox"/> 42	<input type="checkbox"/> CFL	<input type="checkbox"/> 120	<input type="checkbox"/> BLACK RAL-9005-T	<input type="checkbox"/> SINGLE FUSE (120V., 277V) (HID UNITS ONLY) SF
		<input type="checkbox"/> CW			<input type="checkbox"/> 208		
<input type="checkbox"/> CBR2 	*NW - NEUTRAL WHITE (4000K) *STANDARD CW - COOL WHITE (5000K) WW - WARM WHITE (3000K)	<input type="checkbox"/> 100 ² <input type="checkbox"/> 70T ¹ <input type="checkbox"/> 70 ² <input type="checkbox"/> 50 ²	<input type="checkbox"/> PSMH <input type="checkbox"/> HPS ³	<input type="checkbox"/> 120	<input type="checkbox"/> GREY RAL-7004-T	<input type="checkbox"/> EMERGENCY EGRESS EE	
				<input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347			<input type="checkbox"/> DARK BRONZE RAL-8019-T
CONSULT FACTORY FOR OTHER LED COLORS		CONSULT FACTORY FOR OTHER VOLTAGES			FOR SMOOTH FINISH REMOVE SUFFIX 'T' (EXAMPLE: RAL-9005)		
					BALLAST HOUSING IS ALWAYS BLACK		
					CONSULT FACTORY FOR CUSTOM COLORS		

Camber 3 & 4

For Architectural Accent, Pedestrian Safety, Perimeter Security and Dual Function

Day

Camber is designed to be seen both day and night. Its daytime form is an eclectic blend of shapes accented by structurally expressive components. Mounted on walls and building entrances, Camber becomes an accent element for a broad range of contemporary architectural design themes. Ideal mounting height is 8' to 12'.

CBR 3

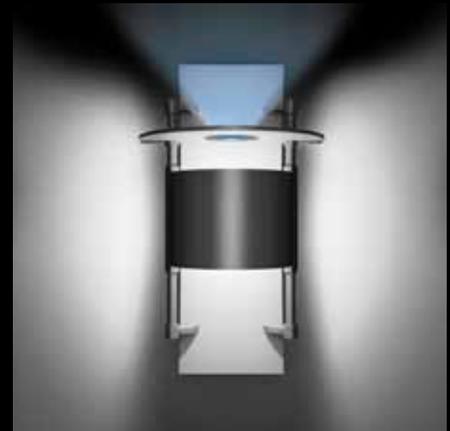


CBR 4

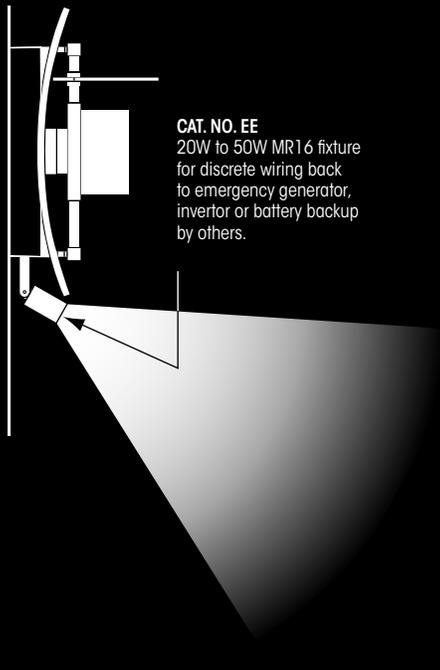


Night

Camber 3 provides functional down lighting for safety and security with the addition of adjustable vertical fill light from the variable reflector. Camber 4 has an adjustable reflector disc to redirect light downward. The upper reflector disc is provided with a color filter portal to create dramatic up lighting on overhangs or architectural features. Since the light source is fully shielded, Camber has very low brightness.

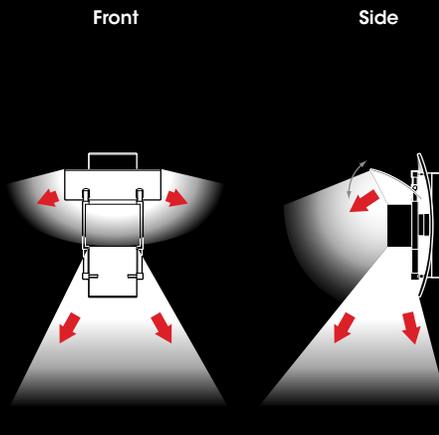


Optional Emergency Egress

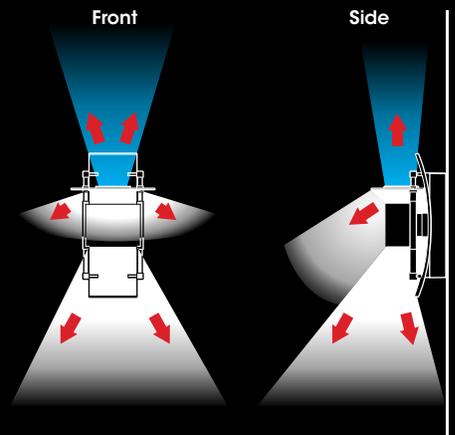


CAT. NO. EE
20W to 50W MR16 fixture for discrete wiring back to emergency generator, inverter or battery backup by others.

CBR3 primary light distribution is downward with no up light. Additional vertical fill light is provided by the adjustable reflector. Horizontal spill light illuminates the wall.



CBR4 primary light distribution is downward with color filtering of the up light. Horizontal spill light illuminates the wall while bounce light off the curved plane and top disc provides additional vertical light for visual security.



Specifications

Fixture - Durable corrosion resistant, low copper cast aluminum (A356 alloy; <0.2% Cu) with inset to index Body to Ballast Housing. Body mounts to Ballast Housing after Ballast Housing installation via cast hinges designed to accept stainless-steel hinge pins. Strut support arms are cast as integral components of the Fixture Body. Struts are parallel extruded aluminum .84" diameter and are indexed to allow Glare Shield to be secured in one of five (5) vertical positions. One Strut has stainless steel recessed captive socket-head screws top and bottom to allow Glare Shield, Indirect Reflectors, or Half Cylinder to hinge away for relamping.

Lamp Enclosure - One piece molded glass threads into cast aluminum gasketed socket cup.

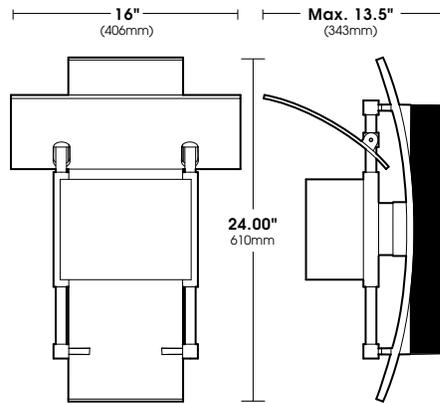
Electrical Components - High power factor ballasts are rigidly mounted inside the Fixture Body and are factory prewired with a quick-disconnect plug for mating to the socket. HPS core and coil ballast, reactor type - high power factor with starting temperatures of -40°F. MH electronic HID ballasts are high power factor, low frequency, -20°F starting. Fluorescent ballasts are electronic, high power factor, 0°F starting. HID socket is 4KV pulse rated medium base. Optional G-12 base socket is available for 70PSMH T6 lamp mode. Fluorescent socket is universal for 26W, 32W, or 42W CFL lamps.

LED Driver - Constant current LED drivers are UL and cUL recognized mounted on a single plate and factory prewired with quick-disconnect plugs. Drivers are electronic and have a power factor of >.90 and a minimum operating temperature of -40°F. Drivers accept an input of 120-277V, 50/60Hz. (Consult factory for dimming applications.)

Finish - Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

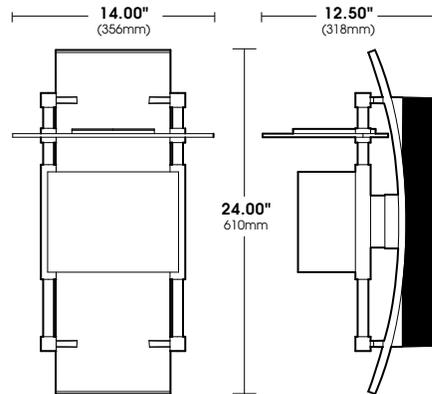
Listings and Ratings - UL Listed for wet locations.

Dimensions



CBR3
42W. Max. CFL
100W. Max. HID
12LED Max.

CBR3 (Curved Indirect Reflector)
Constructed of corrosion resistant low copper cast aluminum alloy #A356 (<0.2% Cu). Indirect reflector is curved and has stainless steel socket-head screws to secure its vertical position along the Struts. Curved indirect reflector is adjustable for tilt from 0° (horizontal) to 45° up.

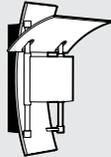
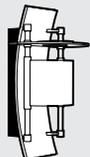


CBR4
42W. Max. CFL
100W. Max. HID
12LED Max.

CBR4 (Flat Indirect Reflector w/ Color Filter)
Constructed of corrosion resistant low copper cast aluminum alloy #A356 (<0.2% Cu). Indirect reflector is flat and has stainless steel socket-head screws to secure its vertical position along the Struts. Indirect reflector has provision for mounting color filter.

Spec/Order Example: CBR3/70THPS1 20V/RAL-9003/SF

Note: Select either LED Mode or Lamp Mode.

MODEL	LED MODE		LAMP MODE			FINISH	OPTIONS
	NO. LEDs	COLOR	WATTAGE	TYPE	VOLTAGE		
<input type="checkbox"/> CBR3 	<input type="checkbox"/> 12LED (14 Watts)	<input type="checkbox"/> NW*	<input type="checkbox"/> 42	<input type="checkbox"/> CFL	<input type="checkbox"/> 120	<input type="checkbox"/> BLACK RAL-9005-T	<input type="checkbox"/> SINGLE FUSE (120V., 277V) (HID UNITS ONLY) SF
		<input type="checkbox"/> CW			<input type="checkbox"/> 208		
<input type="checkbox"/> CBR4 	*NW - NEUTRAL WHITE (4000K) *STANDARD CW - COOL WHITE (5000K) WW - WARM WHITE (3000K)	<input type="checkbox"/> WW	<input type="checkbox"/> 100²	<input type="checkbox"/> PSMH	<input type="checkbox"/> 120	<input type="checkbox"/> GREY RAL-7004-T	<input type="checkbox"/> DOUBLE FUSE (208V., 240V) (HID UNITS ONLY) DF
		<input type="checkbox"/> 100¹ <input type="checkbox"/> 70² <input type="checkbox"/> 50²	<input type="checkbox"/> HPS³	<input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347	<input type="checkbox"/> DARK BRONZE RAL-8019-T		
			1 - 120 THRU 277 ONLY. NOT AVAILABLE IN HPS 2 - MEDIUM BASE LAMP 3 - 120 ONLY			<input type="checkbox"/> GREEN RAL-6005-T	<input type="checkbox"/> EMERGENCY EGRESS EE
CONSULT FACTORY FOR OTHER LED COLORS			CONSULT FACTORY FOR OTHER VOLTAGES			FOR SMOOTH FINISH REMOVE SUFFIX 'T' (EXAMPLE: RAL-9005)	CONSULT FACTORY FOR CUSTOM COLORS
						BALLAST HOUSING IS ALWAYS BLACK	

Camber 5

For Architectural Accent, Pedestrian Safety, Perimeter Security and Dual Function



Day

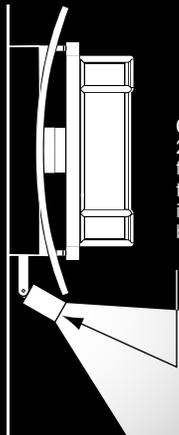
Camber 5 presents more of a sconce look. The light source is diffused behind a white acrylic enclosure framed by a cast aluminum decorative cage. Ideal mounting height is 8' to 12'.



Night

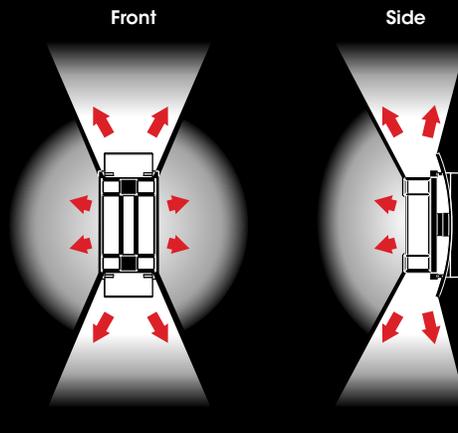
Camber 5 delivers both functional down lighting for security, plus up lighting for architectural features such as overhangs and projections. In addition, a strong outward lighting component is projected from the fixture face, yet softened by the opal white diffuser to eliminate distracting brightness.

Optional Emergency Egress



CAT. NO. EE
20W to 50W MR16 fixture
for discrete wiring back
to emergency generator,
inverter or battery backup
by others.

CBR5 primary light distribution is down and up flood. The opal white diffuser delivers considerable light to the wall, plus outward illumination for vertical fill.



Specifications

Fixture - Durable corrosion resistant, low copper cast aluminum (A356 alloy; <0.2% Cu) with inset to index Body to Ballast Housing. Body mounts to Ballast Housing after Ballast Housing installation via cast hinges designed to accept stainless-steel hinge pins. Strut support arms are cast as integral components of the Fixture Body. Struts are parallel extruded aluminum .84" diameter and are indexed to allow Glare Shield to be secured in one of five (5) vertical positions. One Strut has stainless steel recessed captive socket-head screws top and bottom to allow Glare Shield, Indirect Reflectors, or Half Cylinder to hinge away for relamping.

Lamp Enclosure - One piece molded glass threads into cast aluminum gasketed socket cup.

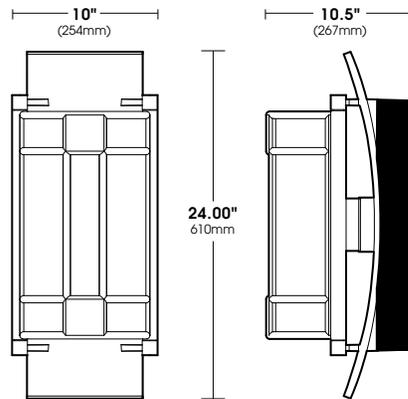
Electrical Components - High power factor ballasts are rigidly mounted inside the Fixture Body and are factory prewired with a quick-disconnect plug for mating to the socket. HPS core and coil ballast, reactor type - high power factor with starting temperatures of -40°F. MH electronic HID ballasts are high power factor, low frequency, -20°F starting. Fluorescent ballasts are electronic, high power factor, 0°F starting. HID socket is 4KV pulse rated medium base. Optional G-12 base socket is available for 70PSMH T6 lamp mode. Fluorescent socket is universal for 26W, 32W, or 42W CFL lamps.

LED Driver - Constant current LED drivers are UL and cUL recognized mounted on a single plate and factory prewired with quick-disconnect plugs. Drivers are electronic and have a power factor of >.90 and a minimum operating temperature of -40°F. Drivers accept an input of 120-277V, 50/60Hz. (Consult factory for dimming applications.)

Finish - Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

Listings and Ratings - UL Listed for wet locations.

Dimensions

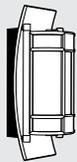


CBR5
42W. Max. CFL
100W. Max. HID
12LED Max.

CBR5
Cage constructed of corrosion resistant low copper cast aluminum alloy #A356 (<0.2% Cu). Opal white Diffuser is mounted under cage and UV stabilized acrylic with minimum wall thickness of .125".

Spec/Order Example: CBR5/50PSMH208V/RAL-8019T/DF

Note: Select either LED Mode or Lamp Mode.

MODEL	LED MODE		LAMP MODE			FINISH	OPTIONS
	NO. LEDs	COLOR	WATTAGE	TYPE	VOLTAGE		
<input type="checkbox"/> CBR5 	<input type="checkbox"/> 12LED (14 Watts)	<input type="checkbox"/> NW*	<input type="checkbox"/> 42	<input type="checkbox"/> CFL	<input type="checkbox"/> 120	<input type="checkbox"/> BLACK RAL-9005-T	<input type="checkbox"/> SINGLE FUSE (120V. , 277V) (HID UNITS ONLY) SF
		<input type="checkbox"/> CW			<input type="checkbox"/> 208		
		<input type="checkbox"/> WW	<input type="checkbox"/> 240	<input type="checkbox"/> GREY RAL-7004-T	<input type="checkbox"/> EMERGENCY EGRESS EE		
		<input type="checkbox"/> 100²	<input type="checkbox"/> 277	<input type="checkbox"/> DARK BRONZE RAL-8019-T			
	*NW - NEUTRAL WHITE (4000K) *STANDARD	<input type="checkbox"/> 70T¹	<input type="checkbox"/> 208	<input type="checkbox"/> GREEN RAL-6005-T	FOR SMOOTH FINISH REMOVE SUFFIX 'T' (EXAMPLE: RAL-9005)		
	CW - COOL WHITE (5000K)	<input type="checkbox"/> 70²	<input type="checkbox"/> 240	BALLAST HOUSING IS ALWAYS BLACK			
	WW - WARM WHITE (3000K)	<input type="checkbox"/> 50²	<input type="checkbox"/> 347		CONSULT FACTORY FOR CUSTOM COLORS		
	CONSULT FACTORY FOR OTHER LED COLORS	1 - 120 THRU 277 ONLY. NOT AVAILABLE IN HPS 2 - MEDIUM BASE LAMP 3 - 120 ONLY					
		CONSULT FACTORY FOR OTHER VOLTAGES					

Laser

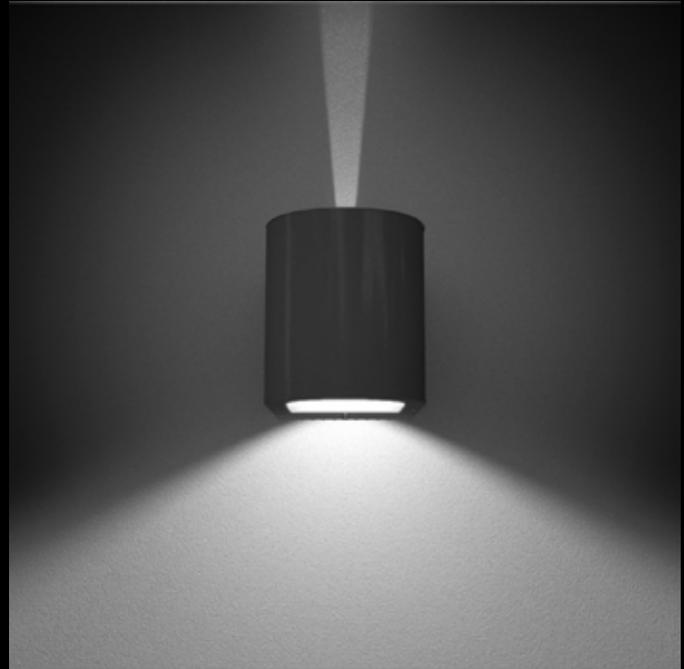
For Architectural Accent, Perimeter Security and Dual Function



Day

The Laser is a very clean and simple form designed to be unobtrusive on the wall. Available in three sizes, its location and mounting height can be specified in proportion to wall height and illumination levels desired. Ideal mounting heights are 8'-12' (small), 10'-15' (med.), and 12'-20' (large).

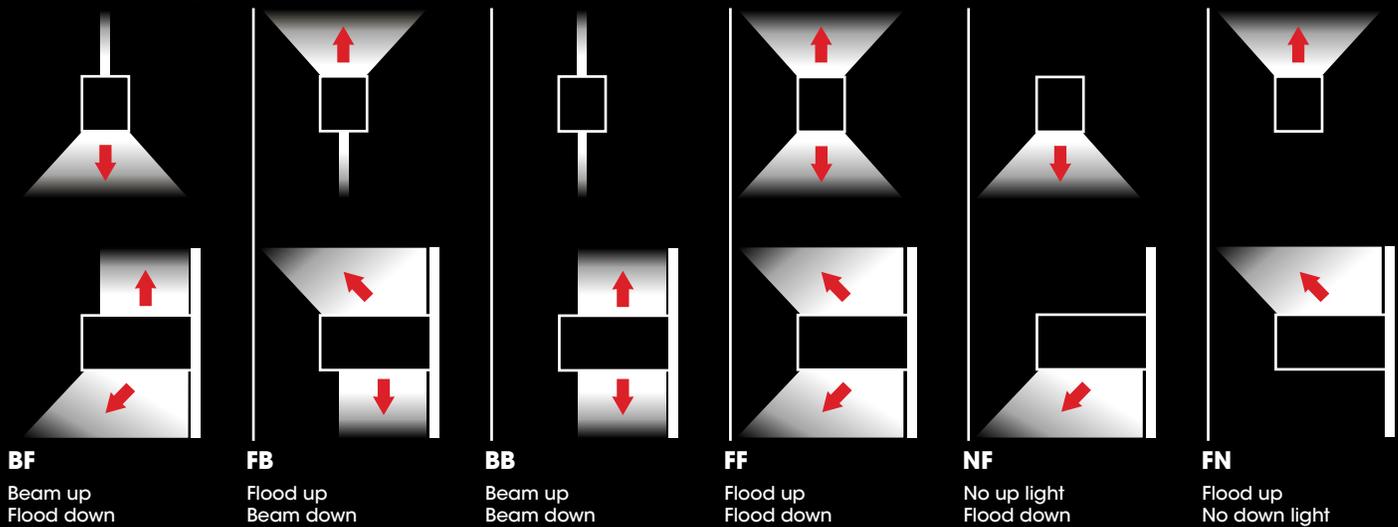
Beam Up, Flood Down



Night

All Laser models have full cutoff downward illumination. Tremendous application flexibility is afforded by the 6 optical configurations offering functional down or up lighting, or dual function illumination for both functional and accent lighting.

Optical Configurations



Specifications

Housing - Corrosion resistant, durable cast aluminum (A356 alloy; <.02% copper) construction.

Optics

Beam - Bi-convex lens provides laser beam control (less than 6° spread).

Flood - For general illumination. Provides a medium flood pattern (92° spread maximum).

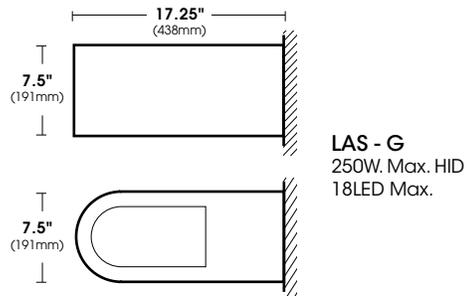
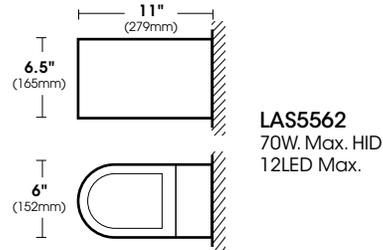
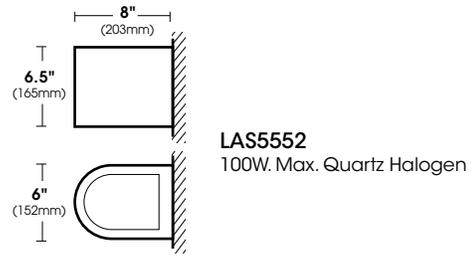
Electrical Components - All electrical components are UL recognized. Magnetic MH ballasts are high power factor, -20F starting. HPS ballasts are core and coil, reactor-style, high power factor, -40F starting. Model LAS5562 utilizes dual-tap 120-277V or dedicated 208V or 240V, 60Hz. Model LAS-G utilizes multi-tap 120-277V, 60Hz Quartz Halogen models utilize mini-candelabra base lamps.

LED Driver - Constant current LED drivers are UL and cUL recognized mounted on a single plate and factory prewired with quick-disconnect plugs. Drivers are electronic and have a power factor of >.90 and a minimum operating temperature of -40°F. Drivers accept an input of 120-277V, 50/60Hz. (Consult factory for dimming applications.)

Finish - Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

Listings and Ratings - UL Listed for wet locations.

Dimensions



Spec/Order Example: LAS-G/150PSMH480V/RAL-8019-T/FB

Note: Select either LED Mode or Lamp Mode.

MODEL	LED MODE	LAMP MODE	FINISH	OPTICS
<input type="checkbox"/> LAS5552 	Not Available	WATTAGE <input type="checkbox"/> 100 MAX. TYPE <input type="checkbox"/> QUARTZ HALOGEN VOLTAGE <input type="checkbox"/> 120	STANDARD TEXTURED FINISH <input type="checkbox"/> BLACK RAL-9005-T <input type="checkbox"/> WHITE RAL-9003-T <input type="checkbox"/> GREY RAL-7004-T <input type="checkbox"/> DARK BRONZE RAL-8019-T <input type="checkbox"/> GREEN RAL-6005-T <small>FOR SMOOTH FINISH REMOVE SUFFIX 'T' (EXAMPLE: RAL-9005)</small>	<input type="checkbox"/> BEAM UP, FLOOD DOWN. . . . BF <input type="checkbox"/> FLOOD UP, BEAM DOWN. . . . FB <input type="checkbox"/> BEAM UP, BEAM DOWN. . . . BB <input type="checkbox"/> FLOOD UP, FLOOD DOWN. . . . FF <input type="checkbox"/> NO UP LIGHT, FLOOD DOWN. . . . NF <input type="checkbox"/> FLOOD UP, NO DOWN LIGHT. . . FN
<input type="checkbox"/> LAS5562 	NO. LEDs <input type="checkbox"/> 8LED ¹ (9 Watts) <input type="checkbox"/> 12LED ² (14 Watts) COLOR <input type="checkbox"/> NW* <input type="checkbox"/> CW <input type="checkbox"/> WW	<input type="checkbox"/> 70 <input type="checkbox"/> 50 <input type="checkbox"/> PSMH <input type="checkbox"/> HPS <input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347	<input type="checkbox"/> DARK BRONZE RAL-8019-T <input type="checkbox"/> GREEN RAL-6005-T <small>FOR SMOOTH FINISH REMOVE SUFFIX 'T' (EXAMPLE: RAL-9005)</small>	<input type="checkbox"/> BEAM UP, FLOOD DOWN. . . . BF <input type="checkbox"/> FLOOD UP, BEAM DOWN. . . . FB <input type="checkbox"/> BEAM UP, BEAM DOWN. . . . BB <input type="checkbox"/> FLOOD UP, FLOOD DOWN. . . . FF <input type="checkbox"/> NO UP LIGHT, FLOOD DOWN. . . . NF <input type="checkbox"/> FLOOD UP, NO DOWN LIGHT. . . FN
<input type="checkbox"/> LAS - G 	<input type="checkbox"/> 12LED ¹ (14 Watts) <input type="checkbox"/> 18LED ² (21 Watts) <small>1 - NF, FN OR BB OPTICS ONLY 2 - BF, FB OR FF OPTICS ONLY</small> <small>ALL DRIVERS ACCEPT 120-277V, 50/60Hz.</small> *NW - NEUTRAL WHITE (4000K) <small>*STANDARD</small> CW - COOL WHITE (5000K) WW - WARM WHITE (3000K) <small>CONSULT FACTORY FOR OTHER LED COLORS</small>	<input type="checkbox"/> 250 <input type="checkbox"/> 150 <input type="checkbox"/> 100 <input type="checkbox"/> PSMH <input type="checkbox"/> HPS <input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347 <small>CONSULT FACTORY FOR OTHER VOLTAGES</small>	<input type="checkbox"/> DARK BRONZE RAL-8019-T <input type="checkbox"/> GREEN RAL-6005-T <small>FOR SMOOTH FINISH REMOVE SUFFIX 'T' (EXAMPLE: RAL-9005)</small> <small>CONSULT FACTORY FOR CUSTOM COLORS</small>	<input type="checkbox"/> BEAM UP, FLOOD DOWN. . . . BF <input type="checkbox"/> FLOOD UP, BEAM DOWN. . . . FB <input type="checkbox"/> BEAM UP, BEAM DOWN. . . . BB <input type="checkbox"/> FLOOD UP, FLOOD DOWN. . . . FF <input type="checkbox"/> NO UP LIGHT, FLOOD DOWN. . . . NF <input type="checkbox"/> FLOOD UP, NO DOWN LIGHT. . . FN

Muralux - T

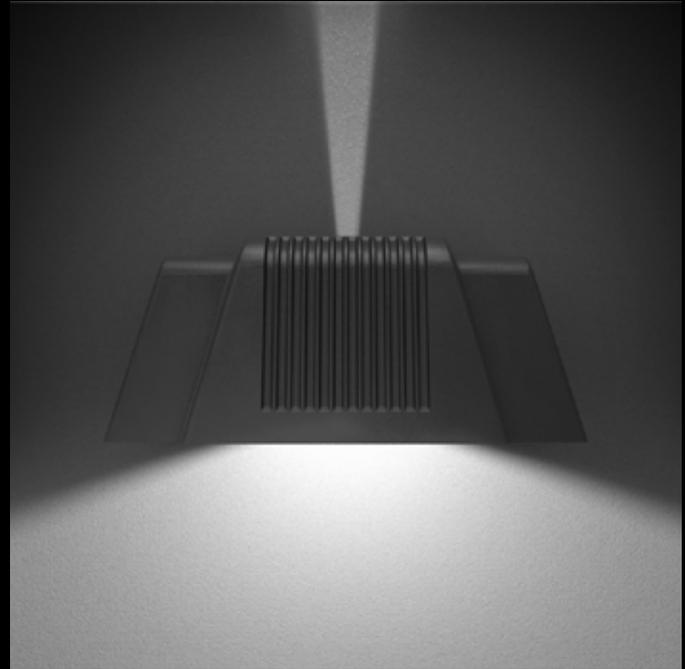
For Architectural Accent, Perimeter Security and Dual Function



Day

The angularity of Muralux-T complements much of today's modern architecture. Yet, its stepped front gives it a look that also blends with more traditional architecture. If desired, U.S. Architectural will match the wall color (custom color) for a blended look. Ideal mounting height is 10' to 20'.

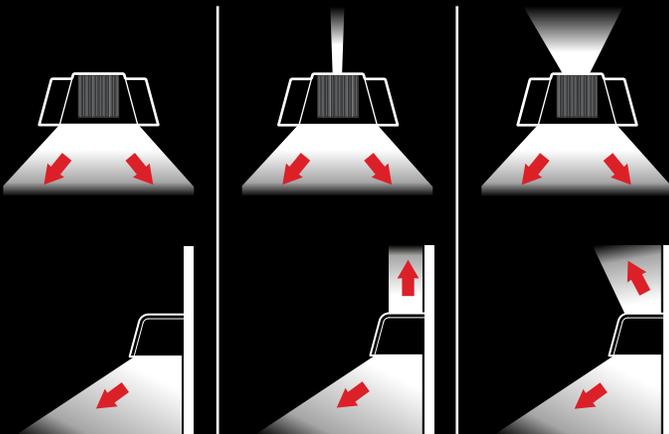
Beam Up



Night

Muralux-T has full cutoff downward illumination with area lighting optics (Types II, III and IV). For Dual Function applications, up light optics are "pencil beam" for a vertical streak on the wall, or "flood" for a wall pattern or illumination of overhangs, reliefs or projections.

Optical Configurations



Area Down

BU
Beam Up
Area Down

AU
Flood Up
Area Down

Typical Mounting Location and Application



Specifications

Housing - One-piece precision cast aluminum (A360 alloy; <0.6% copper) construction with integral cooling ribs on housing and backplate; pretreated and powdercoated.

Lens Frame - One piece low copper cast aluminum (A360 alloy, <0.6% copper) lens frame. Captive stainless steel screws provide positive locking and sealing by a one piece extruded EPDM gasket with ends fused to form a continuous loop. A clear 3/16" thick tempered glass lens is retained by stainless steel clips with full silicone gasketing around the perimeter. Lens is completely concealed from view above horizontal when aimed down.

HID Optics

Downlight - Precision specular formed-segmented optics produce full cutoff asymmetric distributions (IES Type II, III, IV). Dark sky compliant when used without uplight options. (Wall side glare shield available to reduce wall brightness due to lamp proximity). Reflector modules are factory prewired with quick-disconnect plug.

Uplight Options

Beam - Bi-convex lens provides laser beam control (less than 6° spread)

Flood - For general illumination. Provides a medium flood pattern (92° spread maximum)

LED Optics

Downlight Only - **✓LED** optical system utilizing reflector/prisms for control of emitter output to produce full cutoff asymmetric distributions (IES Type II, III, IV).

Downlight - Precision specular formed-segmented optics produce full cutoff asymmetric distributions. Dark sky compliant when only uplight option is used. (Wall side glare shield available to reduce wall brightness due to lamp proximity). Reflector modules are factory prewired with quick-disconnect plug.

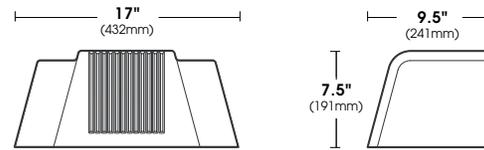
Uplight Options

Beam - Bi-convex lens provides laser beam control (less than 6° spread).

Flood - For general illumination. Provides a medium flood pattern (92° spread maximum).

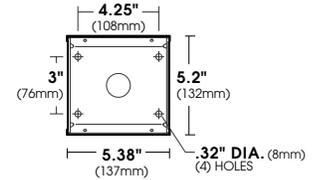
Finish - Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

Dimensions



MLXT
42W. Max. CFL
150W. Max. HID
28LED Max.

Mounting Bracket



Electrical Components - All electrical components are UL and cUL recognized mounted on a single plate and factory prewired with quick-disconnect plugs. Electrical module attaches to housing with no-tool hinge and locking screw, accessible behind the reflector module. Electronic MH ballasts have power factor of >.95 -20°F starting, 120-277V, 50Hz/60Hz and have lamp End-of-life protection. Magnetic MH ballasts are high power factor -20°F starting, multi-tap 120-277V and 347V, 60Hz. HPS ballasts are core and coil, high-reactance, high power factor, -40°F starting.

Driver (✓LED) - Constant current LED drivers are UL and cUL recognized mounted on a single plate and factory prewired with quick-disconnect plugs. Drivers are electronic and have a power factor of >.90 and a minimum operating temperature of -40°F. Drivers accept an input of 120-277V, 50/60Hz. (Consult factory for dimming applications.)

Listings and Ratings - UL Listed for wet locations.

Spec/Order Example: MLXT-BU/HR-III/150PSMH208V/RAL-9003-T/PC+V

Note: Select either **✓LED** Mode or Lamp Mode.

MODEL	AREA DOWN OPTICS	✓LED [®] MODE	LAMP MODE	FINISH	OPTIONS
<input type="checkbox"/> MLXT	HID and ✓LED[®]	NO. LEDs	WATTAGE	STANDARD TEXTURED FINISH	
	<input type="checkbox"/> TYPE II HR - II 	<input type="checkbox"/> 28LED¹ (32 Watts)	<input type="checkbox"/> 42	<input type="checkbox"/> BLACK RAL-9005-T	<input type="checkbox"/> CLEAR POLYCARBONATE DIFFUSER LEX
	<input type="checkbox"/> TYPE III HR - III 	<input type="checkbox"/> 24LED (28 Watts)	<input type="checkbox"/> 32	<input type="checkbox"/> WHITE RAL-9003-T	<input type="checkbox"/> WALL SIDE GLARE SHIELD PC+V
<input type="checkbox"/> MLXT - BU	Beam Up Area Down	1 - B OR AU OPTION ONLY	<input type="checkbox"/> 26	<input type="checkbox"/> GREY RAL-7004-T	<input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) . . . PC+V
	<input type="checkbox"/> TYPE IV (Forward throw) HR - IV 	*NW - NEUTRAL WHITE (4000K) *STANDARD	<input type="checkbox"/> 150	<input type="checkbox"/> DARK BRONZE RAL-8019-T	<input type="checkbox"/> SINGLE FUSED (120V. , 277V) (HID UNITS ONLY) SF
	CFL LAMPS ONLY	CW - COOL WHITE (5000K)	<input type="checkbox"/> 100	<input type="checkbox"/> GREEN RAL-6005-T	<input type="checkbox"/> DOUBLE FUSE (208V. , 240V) (HID UNITS ONLY) DF
<input type="checkbox"/> MLXT - AU	Flood Up Area Down	WW - WARM WHITE (3000K)	<input type="checkbox"/> 70	<small>FOR SMOOTH FINISH REMOVE SUFFIX 'T' (EXAMPLE: RAL-9005)</small>	
	<input type="checkbox"/> TYPE IV FT - CFL 	<small>CONSULT FACTORY FOR OTHER LED COLORS</small>	<small>CONSULT FACTORY FOR OTHER VOLTAGES</small>	<small>CONSULT FACTORY FOR CUSTOM COLORS</small>	

RWP Wall Mounted Floodlight

For Architectural Accent, Pedestrian Safety and Perimeter Security

Day

Available in Open Face or Baffled Face configurations, the RWP is a straight forward visual expression of its function. Its rectangular outline, combined with angular features make it very compatible with today's architecture. When a concealed look is desired, U.S. Architectural can finish the fixture to match the wall color (custom color). Ideal mounting height is 18" to 4'.

Open Face



Baffled Face

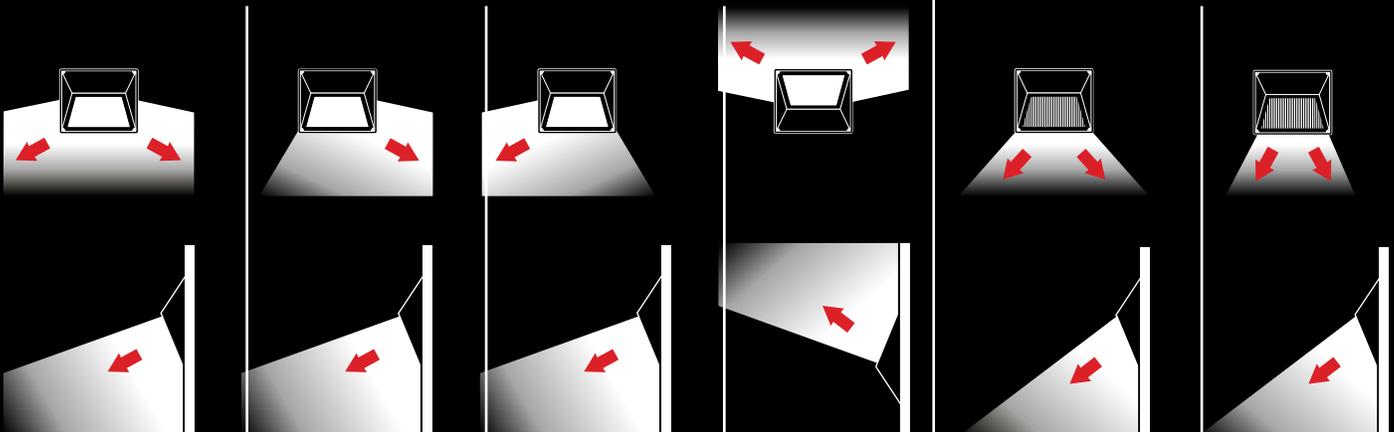


Night

RWP is a floodlight designed for mounting below eye level. Optical configurations are available for lighting horizontal surfaces, and stairways or inclines with special right and left hand light throws. Inverted, the RWP can light canopies. Where lens protection is desired, the baffled Face model should be specified, but available for downward lighting only.



Optical Configurations



RWP - SYM - D

Symmetrical
Right/Left Down

RWP - ASY - R

Asymmetric
Right Down

RWP - ASY - L

Asymmetric
Left Down

RWP - SYM - U

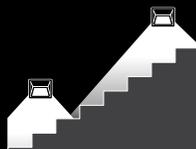
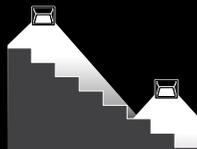
Symmetric
Right/Left Up

RWP - SYM - C

Symmetric
Right/Left Down
Cast Baffle

RWP - SYM - CG

Symmetric
Right/Left Down
Cast Baffle with
Lens Guard



Specifications

Housing and J-Box - Corrosion resistant, durable cast aluminum (A356 alloy; <0.2% copper) construction. J-box is supplied with (4) 1/2" N.P.T. conduit entries at (2) bottom and (2) sides. Powder coated for use in concrete.

Door Frame - Corrosion resistant, durable cast aluminum (A356 alloy; <0.2% copper) construction. Trapezoidal shaped outer contour aims the linear prismatic lens toward the illuminated surface. Door frame is secured to the housing by (4) captive, stainless steel screws. Gasket is high temperature silicone.

Optics - Specular formed-segmented reflector (HID), or LED optical array (LED), combines with a linear prismatic glass lens (min. 3/16" thickness) to produce symmetric and asymmetric (Left and Right) wide angle illumination in both up and down orientations.

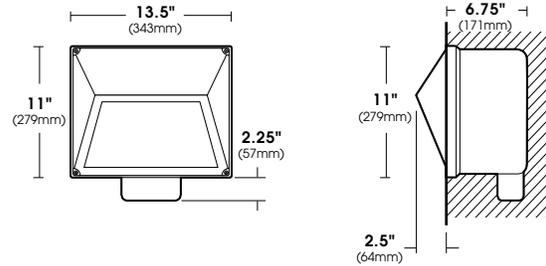
Electrical Components - All electrical components are UL and cUL recognized. Electronic MH ballasts have power factor of >.95 (70W - 150W) -20°F starting, 120-277V, 50Hz/60Hz and have lamp End-of-life protection. Magnetic MH ballasts are high power factor -20°F starting, multi-tap 120-277V and 347V, 60Hz. HPS ballasts are core and coil, high-reactance, high power factor, -40°F starting.

LED Driver - Constant current LED drivers are UL and cUL recognized mounted on a single plate and factory prewired with quick-disconnect plugs. Drivers are electronic and have a power factor of >.90 and a minimum operating temperature of -40°F. Drivers accept an input of 120-277V, 50/60Hz. (Consult factory for dimming applications.)

Finish - Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

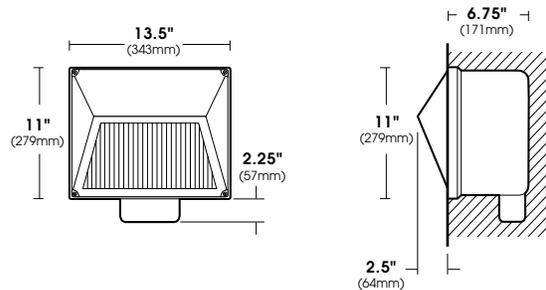
Listings and Ratings - UL and cUL Listed for wet locations.

Dimensions



Open Face Models

70W. Max CFL
150W. Max. HID
18LED Max.



Baffled Face Models

70W. Max CFL
150W. Max. HID
18LED Max.

Spec/Order Example: RWS-ASY-L/70HPS277V/RAL-7004/QTZ

Note: Select either LED Mode or Lamp Mode.

MODEL / FACE		LED MODE		LAMP MODE			FINISH	OPTIONS
		NO. LEDs	COLOR	WATTAGE	TYPE	VOLTAGE	STANDARD TEXTURED FINISH	
<input type="checkbox"/> RWP - SYM - D		<input type="checkbox"/> 18LED ¹ (21 Watts)	<input type="checkbox"/> NW* <input type="checkbox"/> CW <input type="checkbox"/> WW	<input type="checkbox"/> 70 <input type="checkbox"/> 57 <input type="checkbox"/> 42 <input type="checkbox"/> 32 <input type="checkbox"/> 26	<input type="checkbox"/> CFL	<input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277	<input type="checkbox"/> BLACK RAL-9005-T	<input type="checkbox"/> QUARTZ STANDBY (HID UNITS ONLY) QTZ
<input type="checkbox"/> RWP - ASY - R		1 - AVAILABLE IN SYM					<input type="checkbox"/> WHITE RAL-9003-T	<input type="checkbox"/> SINGLE FUSE (120V. , 277V) (HID UNITS ONLY) SF
<input type="checkbox"/> RWP - ASY - L			*NW - NEUTRAL WHITE (4000K) *STANDARD	<input type="checkbox"/> 150 <input type="checkbox"/> 100 <input type="checkbox"/> 70 <input type="checkbox"/> 50	<input type="checkbox"/> PSMH <input type="checkbox"/> HPS	<input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347	<input type="checkbox"/> GREY RAL-7004-T	<input type="checkbox"/> DOUBLE FUSE (208V. , 240V) (HID UNITS ONLY) DF
<input type="checkbox"/> RWP - SYM - U			CW - COOL WHITE (5000K) WW - WARM WHITE (3000K)		MED. BASE LAMP		<input type="checkbox"/> DARK BRONZE RAL-8019-T	
<input type="checkbox"/> RWP - SYM - C							<input type="checkbox"/> GREEN RAL-6005-T	
<input type="checkbox"/> RWP - SYM - CG							FOR SMOOTH FINISH REMOVE SUFFIX 'T' (EXAMPLE: RAL-9005)	
		CONSULT FACTORY FOR OTHER LED COLORS		CONSULT FACTORY FOR OTHER VOLTAGES			CONSULT FACTORY FOR CUSTOM COLORS	

Steplight - RM

For Pedestrian Safety

Day

These fixtures are sized for installation in stairway risers, but can also be mounted in stairway or planter walls. Simple and contemporary in design, these fixtures will blend with surrounding architecture and hardscape. Ideal mounting height is 6" to 18" in walls, or vertically centered in stairway risers.

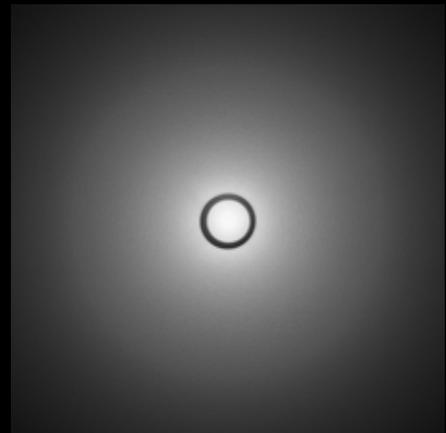
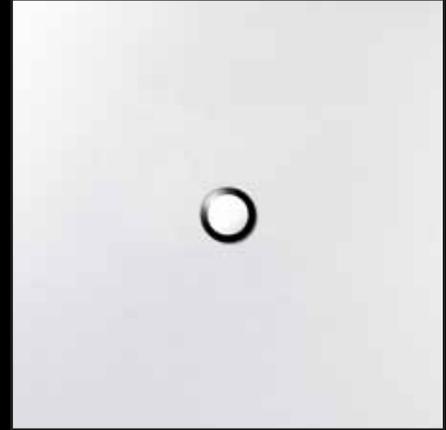
Night

The 1083 fixture is designed for minimum brightness, having a solid upper half for shielding. The 5083 fixture has no shielding, and is ideal where more vertical illumination is needed for visual security. These fixtures can also be used to direct pedestrians to desired locations or building entrances. Think of them as runway lights, only for people instead of aircraft.

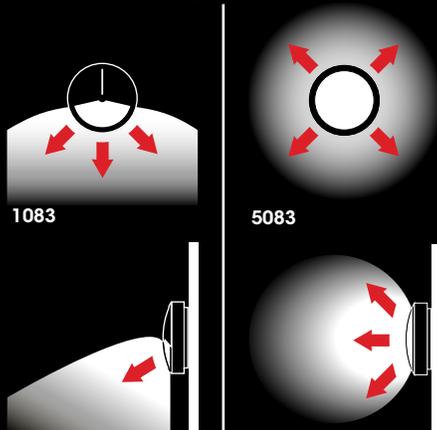
1083



5083



Optical Configurations



Typical Stairway Mounting Locations



Specifications

Housing - Housing and Lens Frame - Precise corrosion resistant cast aluminum (A360 alloy; 0.6% copper) face. Powder coated for use in concrete.

Optics - Opal tempered glass lens.

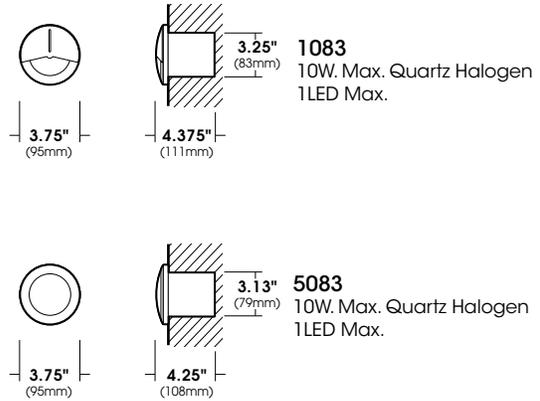
Electrical Components - Bi-pin socket for MR-11 lamp.

LED Driver - Constant current LED drivers are UL and cUL recognized mounted on a single plate and factory prewired with quick-disconnect plugs. Drivers are electronic and have a power factor of >.90 and a minimum operating temperature of -40°F. Drivers accept an input of 120-277V, 50/60Hz. (Consult factory for dimming applications.)

Finish - Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

Listings and Ratings - UL Listed for wet locations.

Dimensions



Spec/Order Example: 1083/10QH120V/RAL-6005-T

Note: Select either LED Mode or Lamp Mode.

MODEL / FACE		LED MODE		LAMP MODE			FINISH
<input type="checkbox"/> 1083		NO. LEDs	COLOR	WATTAGE	TYPE	VOLTAGE	STANDARD TEXTURED FINISH
<input type="checkbox"/> 5083		<input type="checkbox"/> 1LED (4 Watts)	<input type="checkbox"/> NW* <input type="checkbox"/> CW <input type="checkbox"/> WW	<input type="checkbox"/> 10	<input type="checkbox"/> QH	<input type="checkbox"/> 120 <input type="checkbox"/> 120/12 ¹	<input type="checkbox"/> BLACK RAL-9005-T <input type="checkbox"/> WHITE RAL-9003-T <input type="checkbox"/> GREY RAL-7004-T <input type="checkbox"/> DARK BRONZE RAL-8019-T <input type="checkbox"/> GREEN RAL-6005-T
		*NW - NEUTRAL WHITE (4000K) *STANDARD CW - COOL WHITE (5000K) WW - WARM WHITE (3000K)		1 - 12V APPLICATION REQUIRES REMOTE TRANSFORMER PROVIDED BY OTHERS			FOR SMOOTH FINISH REMOVE SUFFIX 'T' (EXAMPLE: RAL-9005)
		CONSULT FACTORY FOR OTHER LED COLORS		CONSULT FACTORY FOR OTHER VOLTAGES			CONSULT FACTORY FOR CUSTOM COLORS

Steplight - SS

For Pedestrian Safety

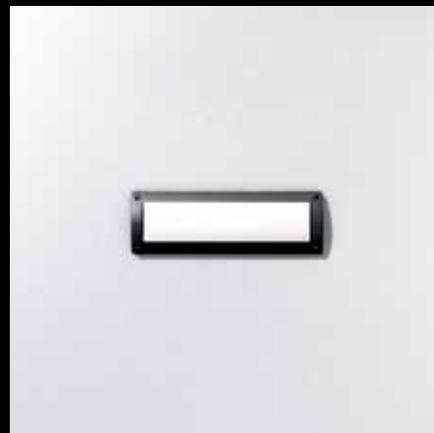
Day

These fixtures are sized for installation in stairway risers, but can also be mounted in stairway, planter or retaining walls. Their simple and clean rectangular form will complement surrounding architecture and hardscape. Ideal mounting height is 6" to 18" in walls, or vertically centered in stairway risers.

4482

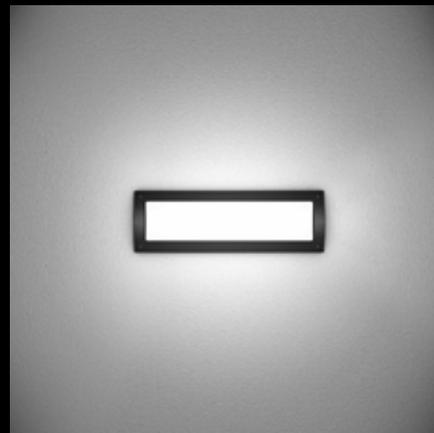
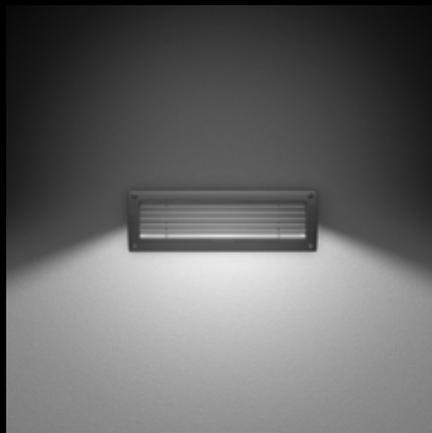


5482

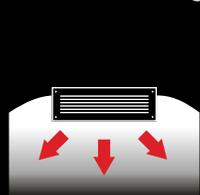


Night

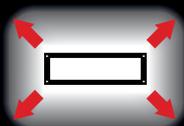
The 4482 louvered fixture is designed for minimum brightness, which also adds a degree of vandal resistance. The 5482 open faced fixture is ideal where more vertical illumination is needed for visual security. The 5482 fixture can also be used to indicate direction for pedestrians.



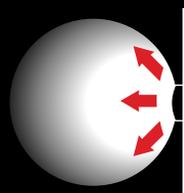
Optical Configurations



4482



5482



Typical Mounting Locations and Applications



Specifications

Housing and Lens frame - Precise corrosion resistant cast aluminum (A360 alloy; 0.6% copper) face. Powder coated for use in concrete.

Optics

- 4482 - Louvered face opal glass provides 45° cutoff
- 5482 - Opal tempered glass.

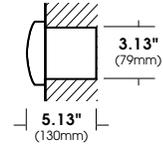
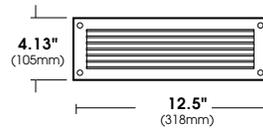
Electrical Components - Intermediate (E17) base for incandescent or 4-pin GX24q for CFL lamps.

LED Driver - Constant current LED drivers are UL and cUL recognized mounted on a single plate and factory prewired with quick-disconnect plugs. Drivers are electronic and have a power factor of >.90 and a minimum operating temperature of -40°F. Drivers accept an input of 120-277V, 50/60Hz. (Consult factory for dimming applications.)

Finish - Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

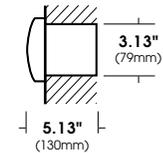
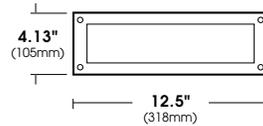
Listings and Ratings - UL Listed for wet locations.

Dimensions



4482

25W. Max. Incandescent
32W. Max. CFL
8LED Max.



5482

25W. Max. Incandescent
32W. Max. CFL
8LED Max.

Spec/Order Example: 5482/35CFL120V/RAL-7004-T

Note: Select either LED Mode or Lamp Mode.

MODEL / FACE	LED MODE		LAMP MODE			FINISH
	NO. LEDs	COLOR	WATTAGE	TYPE	VOLTAGE	
<input type="checkbox"/> 4482  <input type="checkbox"/> 5482 	<input type="checkbox"/> 8LED (10 Watts)	<input type="checkbox"/> NW*	<input type="checkbox"/> 25	<input type="checkbox"/> INC	<input type="checkbox"/> 120	STANDARD TEXTURED FINISH
		<input type="checkbox"/> CW <input type="checkbox"/> WW	<input type="checkbox"/> 32 <input type="checkbox"/> 26 <input type="checkbox"/> 18 <input type="checkbox"/> 13	<input type="checkbox"/> CFL <input type="checkbox"/> 120 <input type="checkbox"/> 277	<input type="checkbox"/> BLACK RAL-9005-T <input type="checkbox"/> WHITE RAL-9003-T <input type="checkbox"/> GREY RAL-7004-T <input type="checkbox"/> DARK BRONZE RAL-8019-T <input type="checkbox"/> GREEN RAL-6005-T	
	*NW - NEUTRAL WHITE (4000K) *STANDARD CW - COOL WHITE (5000K) WW - WARM WHITE (3000K)					FOR SMOOTH FINISH REMOVE SUFFIX 'T' (EXAMPLE: RAL-9005)
	CONSULT FACTORY FOR OTHER LED COLORS		CONSULT FACTORY FOR OTHER VOLTAGES			CONSULT FACTORY FOR CUSTOM COLORS

TLW Wall Mounted LED Flood and Accent Light

For Architectural Accent and Perimeter Security

Day

The TLW visually portrays a form-follows-function design theme. Its directional and aim able characteristics are obvious, yet it is a clean contemporary design. The LED Driver Box has clean lines and is low profile. Three configurations are available depending on the degree of lens shielding desired. Mounting height is dictated by the application.

Flush/Recessed Lens



Angled Lens

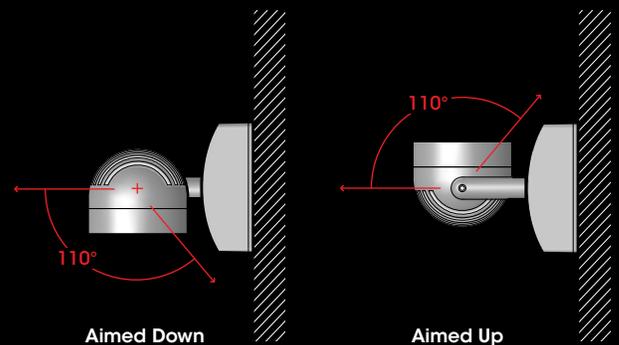
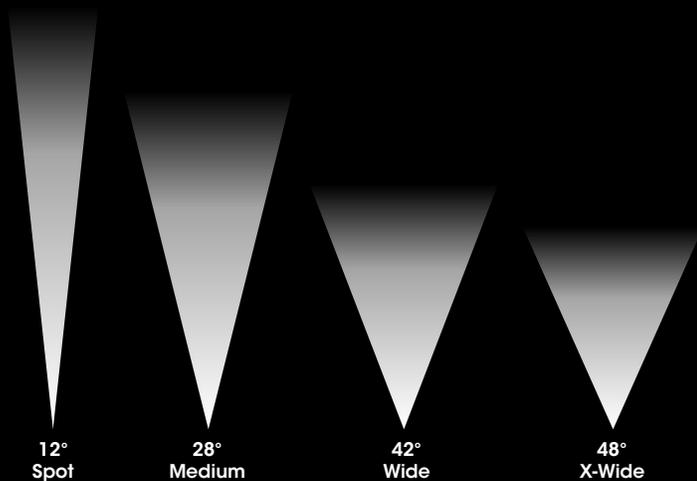


Night

Available in four beam spreads, the TLW can be specified for applications ranging from flood lighting to accent lighting. Aimed downward, it is ideal for perimeter security. Aimed upward, it is ideal for accenting architectural features. The TLW can be mounted to walls, window sills, or any location where fixtures can be easily accessed for re-aiming.



Optical Configurations



Specifications

Luminaire - Heavy wall, precisely machined aluminum construction.

Housing & Bracket Arm Assembly - Precision cast aluminum construction.

Mounting - 2.5" O.D. and 4.5" O.D. units to mount to 3" junction box.
(By others) 5.5" O.D. units to mount to 4" junction box. (By others)

Lens - Clear Borosilicate tempered glass lens is standard. (Frosted lens is optional)

Gasketing - Silicone o-ring provided between housing and lens to prevent contaminants and moisture.

Optics - Injection molded, aluminum coated polycarbonate Reflectors provided with a clear protective lacquer available in 13, 16.5, 28, 45, and 56 degree beam spreads. Optics click into LED base for precise alignment.

LED Emitters - Luxeon-S emitters available in Warm White (3000K) and 80 CRI. Emitters are mechanically fastened to rear heat sink and are field replaceable. Emitters are driven @350mA for a nominal wattage of 9 Watts per LED.

LED Driver - Constant Current LED Driver is sealed in housing base. Driver accepts input voltages from 100-277Vac. Drivers are IP66 rated.

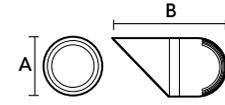
Finish - Polyester powder coat incorporates four step iron phosphate process to cleanse and treat the metal surface for maximum paint adhesion. Electrostatically applied textured polyester powder topcoat is baked at 400°F for maximum hardness and exterior durability.

Listings and Ratings - UL Listed for wet locations.

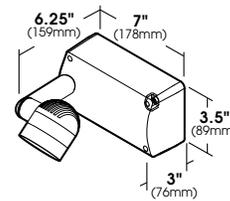
Dimensions

	A	B	
	209	2.5" O.D. (64mm)	3" (76mm) 9W LED
	427	4.5" O.D. (114mm)	4" (102mm) 27W LED
TLW-FL - Flush Lens	536	5.5" O.D. (140mm)	4" (102mm) 36W LED

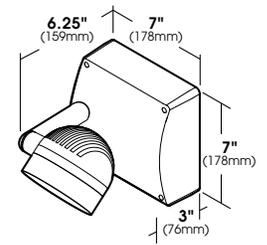
	A	B	
	209	2.5" O.D. (64mm)	4" (102mm) 9W LED
	427	4.5" O.D. (114mm)	4.5" (114mm) 27W LED
TLW-LR - Recessed Lens	536	5.5" O.D. (140mm)	4.75" (121mm) 36W LED

	A	B	
	209	2.5" O.D. (64mm)	6" (152mm) 9W LED
	427	4.5" O.D. (114mm)	8.5" (216mm) 27W LED
TLW-LA - Angled Lens	536	5.5" O.D. (140mm)	9.5" (241mm) 36W LED

Housing and Bracket



(Used with model 209)



(Used with models 427 and 536)

Spec/Order Example: TLW-LR-427/3LED3500K/42/RAL-9003/FRG

MODEL / LENS	LED MODE		OPTICS	FINISH	OPTIONS
	NO. LEDs	COLOR	BEAM ANGLE	STANDARD TEXTURED FINISH	
<input type="checkbox"/> TLW-LF-209 Flush	<input type="checkbox"/> 1LED (10 Watts)	<input type="checkbox"/> 2700K 80CRI	<input type="checkbox"/> 12° SPOT	<input type="checkbox"/> BLACK RAL-9005-T	<input type="checkbox"/> CLEAR GLASS (STANDARD) CG
<input type="checkbox"/> TLW-LR-209 Recessed		<input type="checkbox"/> 3000K 80CRI	<input type="checkbox"/> 28° MEDIUM 	<input type="checkbox"/> WHITE RAL-9003-T	<input type="checkbox"/> FROSTED GLASS . . . FRG
<input type="checkbox"/> TLW-LA-209 Angled		<input type="checkbox"/> 3500K 80CRI	<input type="checkbox"/> 42° WIDE 	<input type="checkbox"/> GREY RAL-7004-T	<input type="checkbox"/> SINGLE FUSE (120V., 277V) . . . SF
<input type="checkbox"/> TLW-LF-427 Flush	<input type="checkbox"/> 3LED (30 Watts)	<input type="checkbox"/> *4000K 80CRI *(Standard)	<input type="checkbox"/> 48° X-WIDE 	<input type="checkbox"/> DARK BRONZE RAL-8019-T	<input type="checkbox"/> DOUBLE FUSE (208V., 240V) . . . DF
<input type="checkbox"/> TLW-LR-427 Recessed		<input type="checkbox"/> 3000K 90CRI		<input type="checkbox"/> GREEN RAL-6005-T	
<input type="checkbox"/> TLW-LA-427 Angled					
<input type="checkbox"/> TLW-LF-536 Flush	<input type="checkbox"/> 4LED (40 Watts)				
<input type="checkbox"/> TLW-LR-536 Recessed					
<input type="checkbox"/> TLW-LA-536 Angled					

CONSULT FACTORY FOR OTHER LED COLORS

FOR SMOOTH FINISH REMOVE SUFFIX "T" (EXAMPLE: RAL-9005)

CONSULT FACTORY FOR CUSTOM COLORS

CONSULT FACTORY FOR DIMMING OPTIONS

Tsunami Wall Mount

For Architectural Accent, Pedestrian Safety, Perimeter Security and Dual Function

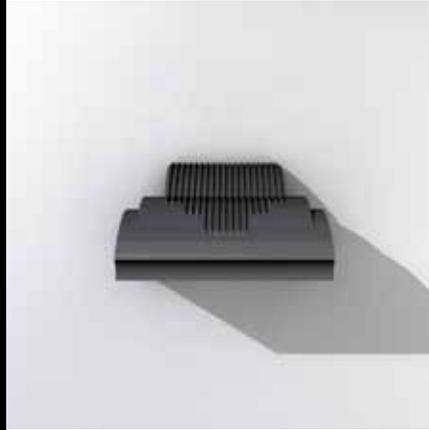
Day

Aesthetically the Tsunami Wall Mount Luminaire is designed to gracefully flow from the wall as an integral part of the architecture. Because the Tsunami Wall luminaire is available inverted for upward illumination, careful attention was paid to its top design which becomes the dominant aesthetic from below. In addition to its flowing lines from the wall, a pattern of cooling fins creates texture and form.

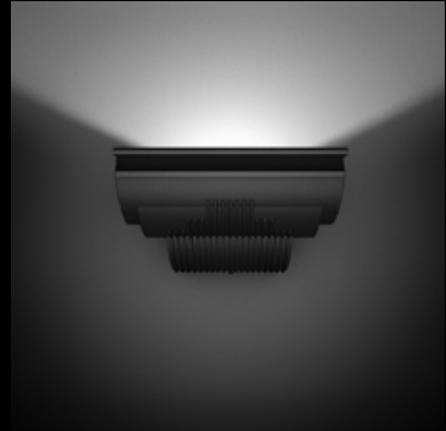
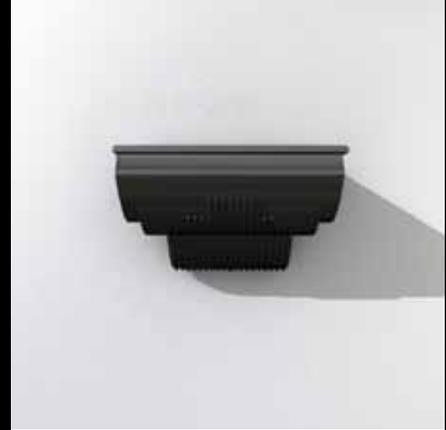
Night

Tsunami Wall Mount is a cutoff area luminaire available in Types II, III and IV light distributions as required to illuminate various distances from the wall. In addition, wall illumination provides visual security from a distance, signaling to visitors that the building perimeter is well lighted.

TSUW Down Lighting Configuration

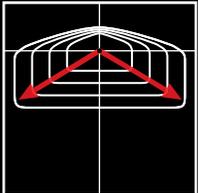


TSUW Up Lighting Configuration

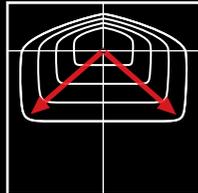


Optical Configurations

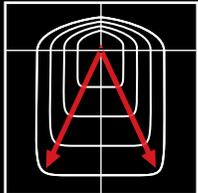
Type II



Type III



Type IV



Up Lighting Configuration Night Options



Wide Graze Optics

The Up Lighting distribution throws a sheet of light up building facades. Its application is to create dramatic highlights on window cavities, reliefs, projections, moldings and surface texture. A certain amount of wall illumination will occur close to the fixture, but that should not be considered the primary purpose of this lighting effect.



Narrow Spot Optics

This Up Lighting distribution has two primary applications. It can be used to graze and highlight vertical elements such as columns, or to highlight specific building features such as statues, flags and structural elements.

Specifications (See Tsunami Wall Mount catalog for a more detailed specification)

Reflector and Ballast Housing - Precise heavy wall low copper cast aluminum (A356 alloy; <0.2% copper) assembly with integral cooling ribs surrounding the electrical compartment and a portion of the optical compartment. Minimum wall thickness is .188".

Lens Frame and Lens - One piece low copper cast aluminum (A356 alloy, <0.2% copper) lens frame. (HID) Tool-less captive stainless steel thumb-screw latch provides positive locking and sealing of the optical chamber by a one piece extruded EPDM gasket with ends fused to form a continuous loop. Lens is completely concealed from view above horizontal when aimed down. (See **✓LED®** Module for lens specification)

Reflector Module - Specular Alzak® optical segments rigidly mounted in an aluminum frame, which attaches to the housing as a one piece module. Tool-less removal of reflector module allows for field rotation in 90° increments without the use of tools. All sockets are porcelain 4KV pulse rated, medium base (E26). Reflector modules are factory prewired with quick-disconnect plug.

✓LED® Module - Low copper cast aluminum (A356 alloy; <0.2% copper) housing. Integrated clear tempered 3/16" glass lens with anti-reflective coating sealed with a continuous silicone gasket protects the internal components and seals the module from water intrusion and environmental contaminants. Module meets an IP67 rating. Each emitter is optically controlled by a Reflector-Prism injection molded from acrylic (3 types per module) secured to an optical plate made of matte black anodized aluminum. Module is field rotatable in 90° increments.

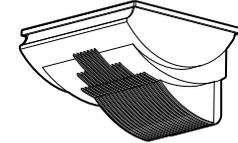
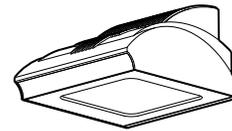
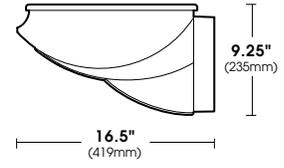
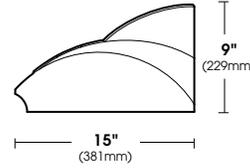
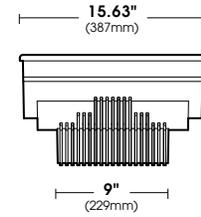
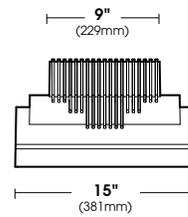
Electrical Components - All electrical components are mounted on a single plate and factory prewired with quick-disconnect plugs. Electronic MH ballasts have power factor of >.95, -20°F starting, 120-277V, 50Hz/60Hz and have lamp End-of-life protection. Magnetic MH ballasts are high power factor, -20°F starting, multi-tap 120-277V and 347V, 60Hz. HPS ballasts are core and coil, high-reactance, high power factor, -40°F starting.

Driver (✓LED®) - Constant current LED drivers are UL and cUL recognized mounted on a single plate and factory prewired with quick-disconnect plugs. Drivers are electronic and have a power factor of >.90 and a minimum operating temperature of -40°F. Drivers accept an input of 120-277V, 50/60Hz. (Consult factory for dimming applications.)

Finish - Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

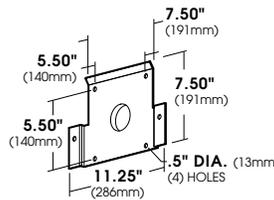
Listings and Ratings - UL Listed for wet locations.

Dimensions

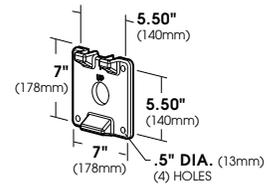


TSUW-D
Down Lighting Configuration
150W. Max. HID
64LED Max.

TSUW-U
Up Lighting Configuration
150W. Max. HID



Downlight Mounting Bracket



Uplight Mounting Bracket

Spec/Order Example: TSUW/HR-II/150PSMH277/U/RAL-9005

Note: Select either **✓LED®** Mode or Lamp Mode.

MODEL	OPTICS	✓LED® MODE		LAMP MODE			MOUNTING	FINISH	OPTIONS			
<input type="checkbox"/> TSUW	<input type="checkbox"/> TYPE II HR-II <input type="checkbox"/> TYPE III HR-III <input type="checkbox"/> TYPE IV HR-IV <input type="checkbox"/> WIDE GRAZER ... WG <input type="checkbox"/> NARROW SPOT ... NS	NO. LEDs <input type="checkbox"/> 64LED ¹ <input type="checkbox"/> 48LED ¹ 1 - DOWN LIGHTING CONFIGURATION ONLY *NW - NEUTRAL WHITE (4000K) *STANDARD CW - COOL WHITE (5000K) WW - WARM WHITE (3000K) CONSULT FACTORY FOR OTHER LED COLORS	COLOR <input type="checkbox"/> NW [*] <input type="checkbox"/> CW <input type="checkbox"/> WW	WATTS <input type="checkbox"/> 150 <input type="checkbox"/> PSMH <input type="checkbox"/> 120 MEDIUM BASE/ E LAMP <input type="checkbox"/> 100 <input type="checkbox"/> HPS <input type="checkbox"/> 208 <input type="checkbox"/> 70 <input type="checkbox"/> <input type="checkbox"/> 240 <input type="checkbox"/> 50 <input type="checkbox"/> <input type="checkbox"/> 277 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 347			<input type="checkbox"/> DOWNLIGHT D <input type="checkbox"/> UPLIGHT U	STANDARD TEXTURED FINISH <input type="checkbox"/> BLACK RAL-9005-T <input type="checkbox"/> WHITE RAL-9003-T <input type="checkbox"/> GREY RAL-7004-T <input type="checkbox"/> DARK BRONZE RAL-8019-T <input type="checkbox"/> GREEN RAL-6005-T	<input type="checkbox"/> QUARTZ STANDBY (HID UNITS ONLY) QTZ <input type="checkbox"/> SINGLE FUSE (120V. , 277V) (HID UNITS ONLY) SF <input type="checkbox"/> DOUBLE FUSE (208V. , 240V) (HID UNITS ONLY) DF			
				120V AND 208V ONLY CONSULT FACTORY FOR OTHER VOLTAGES						PGZ12 BASE/ T LAMP (OPTIONAL) <input type="checkbox"/> 140 <input type="checkbox"/> PSMH <input type="checkbox"/> 120 <input type="checkbox"/> 90 <input type="checkbox"/> <input type="checkbox"/> 208 <input type="checkbox"/> 60 <input type="checkbox"/> <input type="checkbox"/> 277	FOR SMOOTH FINISH REMOVE SUFFIX "T" (EXAMPLE: RAL-9005) CONSULT FACTORY FOR CUSTOM COLORS	
				LED		VOLTAGE <input type="checkbox"/> 120 - 277 <input type="checkbox"/> 347						
				<input type="checkbox"/> TYPE II VL-II <input type="checkbox"/> TYPE III VL-III <input type="checkbox"/> TYPE IV VL-IV		CONSULT FACTORY FOR OTHER VOLTAGES						

Lamp and Electrical Guide

Lamp Watts	Lamp Type	Bulb	Initial Lumens	Life (hrs)	ANSI Code	Starting Temp	Circuit Type	System Watts	Volts	Max. Input Amps	Min. Fuse Amps		
50	PSMH	Clear, ED17, Med. Base - 4000K	3,750	20,000	M110	-20°F	Electronic	56	120	0.47	2		
								55	277	0.20	2		
								M148	HX-HPF	67	120	1.20	3
								67		208	0.68	3	
								67		240	0.59	2	
67	277	0.51	2										
60	PSMH	Clear, T6, PGZ12 Base - 4000K	7,020H/ 6,420V	16,000H/ 16,000V	C187/E	-20°F	Electronic	68	120	0.58	2		
60	PSMH	Clear, T6, PGZ12 Base - 2800K	6,800H	30,000H/ 20,000V				67	208	0.33	2		
								67	277	0.24	2		
70	PSMH	Clear, ED17, Med. Base - 4000K T6, G12 Base	5,900	20,000	M98	-20°F	Electronic	82	120	0.68	2		
								HX-HPF	81	277	0.31	4	
									90	120	1.90	3	
									90	208	1.00	2	
			90	240	0.90	2							
			M139	90	277	0.80	2						
				90	347	0.70	2						
				94	347	0.65	2						
90	PSMH	Clear, T6, PGZ12 Base - 4000K	10,350H/ 9,450V	15,000H/ 14,500V	C188/E	-20°F	Electronic	99	120	0.83	2		
90	PSMH	Clear, T6, PGZ12 Base - 2800K	10,450H	30,000H/ 20,000V				99	208	0.49	2		
								99	277	0.37	2		
100	PSMH	Clear, ED17, Med. Base	9,000H	24,000H	M90	-20°F	Electronic	115	120	0.96	2		
								HX-HPF	113	277	0.42	2	
									M140	129	120	2.30	6
									129	208	1.40	4	
									129	240	1.20	3	
									129	277	1.00	3	
									129	347	1.00	2	
140	PSMH	Clear, T6, PGZ12 Base - 4000K	16,100H/ 15,120V	15,000H/ 14,000V	C187/E	-20°F	Electronic	68	120	1.30	2		
140	PSMH	Clear, T6, PGZ12 Base - 2800K	16,500	30,000H/ 20,000V					208	0.75	2		
									277	0.57	2		
150	PSMH	Clear, ED17, Med. Base T6, G12 Base	13,000	24,000	M102	-20°F	Electronic	165	120	1.40	2		
								HX-HPF	161	277	0.60	2	
									185	120	3.70	4	
			185	208	2.10	3							
			185	240	1.80	2							
			M142	185	277	1.60	2						
				185	347	1.30	2						
50	HPS	Clear, BD17, Med. Base	4,000	24,000	S68	-40°F	HX-HPF	66	120	1.00	3		
								66	208	0.57	2		
								66	240	0.50	2		
								66	277	0.45	1		
70	HPS	Clear, BD17, Med. Base	6,300	24,000	S62	-40°F	HX-HPF	91	120	1.40	5		
								91	208	0.90	3		
								91	240	0.80	2		
								91	277	0.70	2		
								93	347	0.60	2		
100	HPS	Clear, BD17, Med. Base	9,500	24,000	S54	-40°F	HX-HPF	130	120	2.20	7		
								130	208	1.30	5		
								130	240	1.10	3		
								130	277	0.90	3		
								130	347	0.70	3		
150	HPS	Clear, BD17, Med. Base	16,000	24,000	S54	-40°F	HX-HPF	188	120	2.80	10		
								188	208	1.60	5		
								188	240	1.40	5		
								188	277	1.30	4		
								188	347	0.90	3		

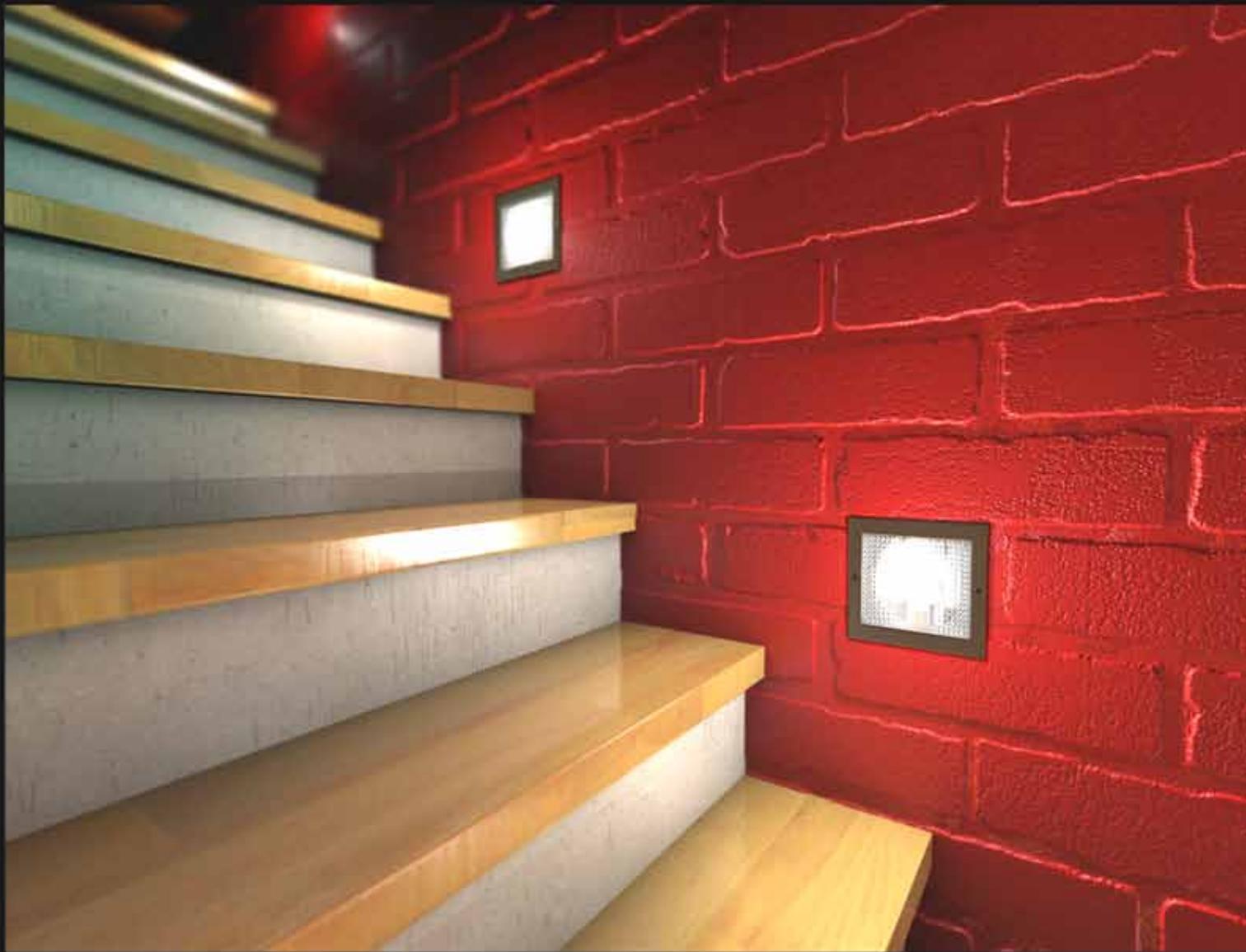
Lamp Watts	Lamp Type	Bulb	Initial Lumens	Life (hrs)	Starting Temp	System Watts	Volts	Max. Input Amps
13	CFL	4-Pin Triple Tube GX24q Base	900	20,000	0°F	16	120 277	0.13 0.06
26	CFL	4-Pin Triple Tube GX24q Base	1,800	20,000	0°F	29	120 277	0.24 0.11
32	CFL	4-Pin Triple Tube GX24q Base	2,400	20,000		36	120 277	0.31 0.13
42	CFL	4-Pin Triple Tube GX24q Base	3,200	20,000	0°F	46	120 277	0.38 0.17
51	LED	48 LED Optical Module - 350mA	3,822 - 3,925	70,000 - 140,000	-40°F	53	120 277	0.45 0.20
67	LED	64 LED Optical Module - 350mA	5,095 - 5,234	70,000 - 140,000	-40°F	71	120 277 277	0.60 0.27 0.73

NOTES:

1. U.S. Architectural Lighting's Lamp and Electrical Guide is for reference only. ALWAYS consult lamp and ballast manufacturer's data for exact technical specifications.
2. All Initial Lumen values shown are approximate in the vertical position and may vary from one manufacturer to another.
3. For HX-HPF circuits, Max Input Amps is the highest of starting, operating, or opening circuit currents. For CWA circuits, the figure is operating current.
4. Lumen values for LED Modules vary according to the distribution type

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

Surface Mounted Luminaires



U.S. ARCHITECTURAL
LIGHTING

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