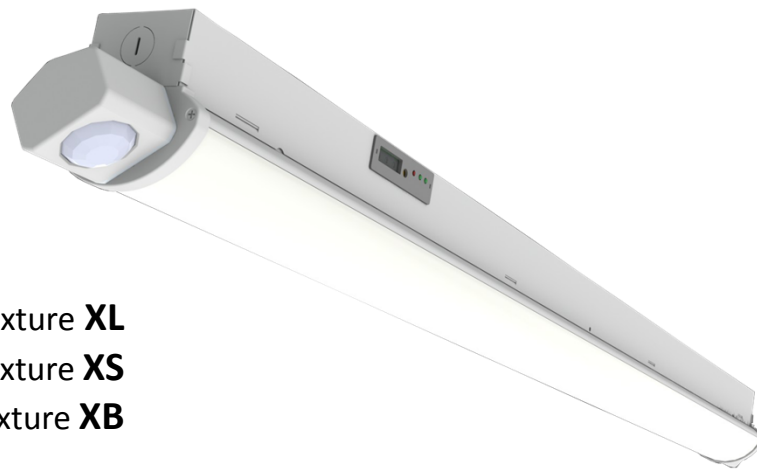




Artemis Series of Low Occupancy LED Ceiling Mounted Fixtures (Including Stairwells) Installation & Operation Guide



Low Occupancy Fixture **XL**
 Stairwell Fixture **XS**
 Basic Fixture **XB**

Part Number	RF Comms	Motion Sensors	Optional Battery Back-Up	Suitable for Stairwells	Dimming	Color Temperature		
						3,000° K	4,000° K	5,000° K
ARTEMIS XB								
XALBO4-M30KUN						X		
XALBO4-M30KUE			X			X		
XALBO4-M40KUN							X	
XALBO4-M40KUE			X				X	
ARTEMIS XL								
XALFO4-M30KUN	X	X			X	X		
XALFO4-M30KUE	X	X	X		X	X		
XALFO4-M40KUN	X	X			X		X	
XALFO4-M40KUE	X	X	X		X		X	
ARTEMIS XS								
XASCO4-M40KUN	X	X		X	X		X	
XASCO4-M40KUE	X	X	X	X	X		X	
XASCO4-M50KUN	X	X		X	X			X
XASCO4-M50KUE	X	X	X	X	X			X



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Please read these instructions carefully, and keep them for future reference.

IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed including the following:

- a) **READ AND FOLLOW ALL SAFETY INSTRUCTIONS.**
- b) Do not use outdoors.
- c) Do not let power supply cords touch hot surfaces.
- d) Do not mount near gas or electric heaters.
- e) Use caution when servicing batteries. Battery acid can cause burns to skin and eyes. If acid is spilled on skin or in eyes, flush acid with fresh water and contact a physician immediately.
- f) Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
- g) The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- h) Do not use this equipment for other than intended use.

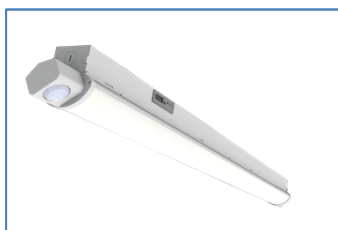
SAVE THESE INSTRUCTIONS



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PARTS & TOOLS REQUIRED:

Artemis Stairwell Fixture



Wire Nuts



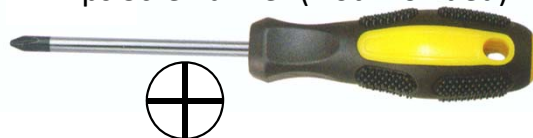
Drill and Masonry Drill Bits (Not provided)



Flat Blade Screwdriver (Not Provided)



Phillips Screwdriver (Not Provided)



Anchors & Mounting Hardware (Not Provided)

Note: Ensure compliance with local codes and ordinances.




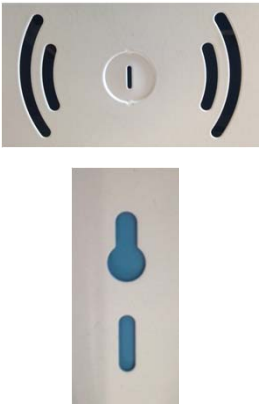



WARNING: Turn power off at circuit breaker or fuse box. Do not rely on a wall switch alone to turn off power. Failure to do so may cause a shock hazard and damage this electronic fixture!



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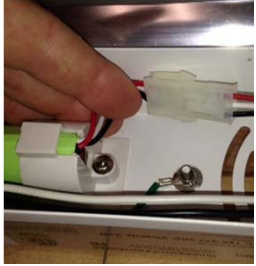

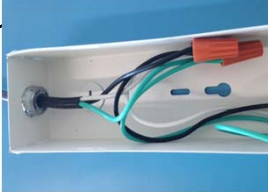


Installation

Step	Description	Image
1	Remove the fixture from the packaging and make sure it has arrived in good condition. Place the fixture on a flat surface and remove two screws which secure the back-box to the light engine (located on either side of the fixture in the middle and just behind the lens).	
2	Use a straight slot screw driver and gently pry the sheet metal away from the light engine. There is a notch designed into the back box for this purpose. This will release the primary light engine from the back box (white).	
3	Carefully remove the primary light engine and set it next to the back box. There are two connectors that must be disconnected. The larger of the two connectors is for the motion sensor array. The smaller connector powers the light engine.	
4	After removing the existing fixture from the ceiling, position the new back box where you want it. Using the provided openings, secure the back box to the imbedded junction box (if power is coming in from the back of the fixture). Check the alignment of the back box and then secure the ends of the fixture using the provided holes. An anchor or Tapcon is recommended, ensuring that this is compliant with local codes and ordinances. Note: Use washers as spacers if the ceiling is not flat. Not doing so can result in a warping of the back box, making it difficult to snap in the primary light engine.	
5	If installing an emergency back-up battery, use a Philips screwdriver to remove the battery holding fixture closest to the driver.	



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Installation (cont.)

Step	Description	Image
6	Feed the battery connector through the opening in the battery holder you just removed. Place the other end of the battery in the corresponding holder. Use a Philips head screwdriver and re-install the battery holder. Plug the white connector coming out of the battery into the matting connector inside the back box.	
7	If power is coming into the fixture via an electrical conduit (flex or rigid), use one of the knockouts at either end of the fixture. Make sure the proper strain reliefs are used to fully comply with local codes or ordinances.	
8	Hook up the three incoming power wires to the three wires within the back box. Use the provided wire nuts or similar products to ensure the safety of the installation.	
9	Hold the light engine close to the back box mounted to the ceiling and plug in the two connectors (sensor array and power for the light engine).	
10	Snap the light engine into the back box, being very careful not to pinch any wires. You may need to pry back the metal of the back box slightly to facilitate this step. Once the light engine is snapped into the back box re-install to the two screws into either side of the fixture.	

Note: If a replacement battery is needed, the part number is as follows: XAP-0039



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Control Panel For Stairwell (XS) Fixtures

Self-Diagnostic: Periodically it's a good idea for the operators to push the Self-Diagnostic button to run the built-in testing program. Results of the Self-Diagnostic test are reported on the "DIAG" LED Indicator. See the table on the next page for a detailed description of the indications.

Self-Diagnostic Status LED: This is a bi-colored LEDs (Red or Green). This LED provide the operator with the self-diagnostic test status and results. See the table on the next page for a detailed description of the indications.

Status Indicator LED: This is a bi-colored LED (Red or Green). This LED provides the operator with the current system status. See the table on the next page for a detailed description of the various indications.

Stairwell Dial Switch: Some buildings have more than one stairwell. This switch helps to keep fixtures in one stairwell from talking to fixtures in another stairwell. If you have one stairwell, use a small straight slot screwdriver and set the dial to "1". For multiple stairwells within a building, set the dial accordingly.

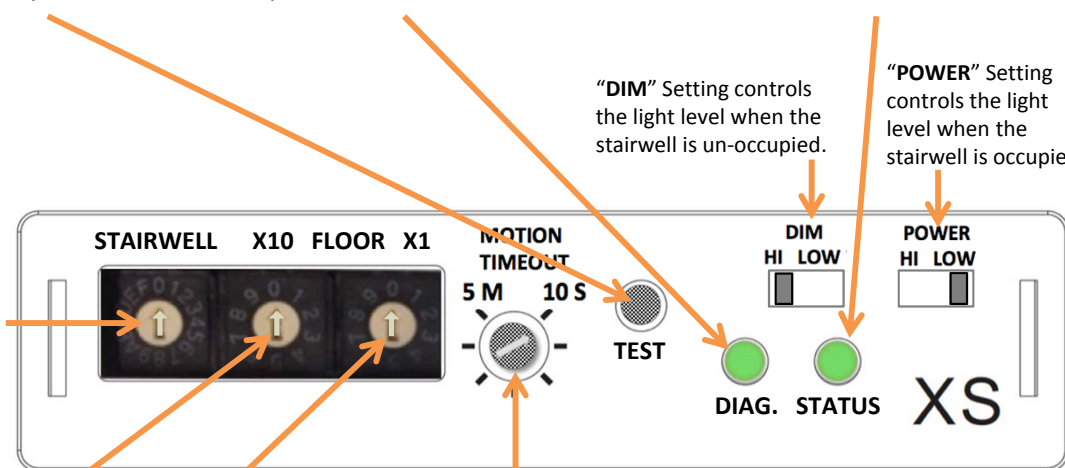
Floor X10 Dial Switch: This dial is set to indicate the floor a particular fixture is being installed on. If the fixture is being installed on floors 1 - 9, this dial would be set to "0". If the fixture is being installed on floors 10 - 19, this dial would be set to "1". If it is being installed on floors 20 - 29, this dial would be set to "2", etc.

Floor X1 Dial Switch: This dial is set to indicate the floor a particular fixture is being installed on. If the fixture is being installed on the 4th floor, this dial would be set to "4". If the fixture is being installed on the 23rd floor this dial would be set to "3", etc.

Timer: Once the fixture sees motion within the stairwell it will immediately illuminate to full intensity. A small screwdriver is used to adjust the "Timer". This Timer adjusts the length of time that the fixture remains on at full power prior to returning to the "DIM" setting. Turning the Timer all the way to the left (counter clockwise) will keep the fixture on at high power for only 10-seconds. Turning the Timer all the way to the right (clockwise) will keep the lights on at full power for 5-minutes after the sensor sees its last motion. The time can also be set anywhere between 10-seconds and 5-minutes by positioning the Timer accordingly.

"DIM" Setting controls the light level when the stairwell is un-occupied.

"POWER" Setting controls the light level when the stairwell is occupied.



EXAMPLE #1: If a fixture is being installed in the second stairwell of a building on the 17th floor, the dial indicators would be set like this: 2 1 7.

EXAMPLE #2: If a fixture is being installed in a building with only one stairwell on the landing between floors 5 and 6, the dial indicators would be set like this: 1 0 5.

NOTE: Landings between floors should have the same dial settings as the floor just below it... i.e. A fixture installed on a landing between floors 2 and 3 should have the same dial settings as the fixture on floor 2.



Artemis Series of Low Occupancy LED Ceiling Mounted Fixtures (Including Stairwells) Installation & Operation Guide

Control Panel For Low Occupancy (XL) Fixtures

Self-Diagnostic: Periodically it's a good idea for the operators to push the Self-Diagnostic button to run the built-in testing program. Results of the Self-Diagnostic test are reported on the "DIAG" LED Indicator. See the table on the next page for a detailed description of the indications.

Self-Diagnostic Status LED: This is a bi-colored LEDs (Red or Green). This LED provide the operator with the self-diagnostic test status and results. See the table on the next page for a detailed description of the indications.

Status Indicator LED: This is a bi-colored LED (Red or Green). This LED provides the operator with the current system status. See the table on the next page for a detailed description of the various indications.

Zone Dial Switch: Some facilities have more than one building or areas to illuminate. This switch helps to keep fixtures in one building or area from talking to fixtures in adjoining buildings or areas. If you're only illuminating one area, use a small straight slot screwdriver and set the dial to "1". For multiple buildings or areas set the dial accordingly.

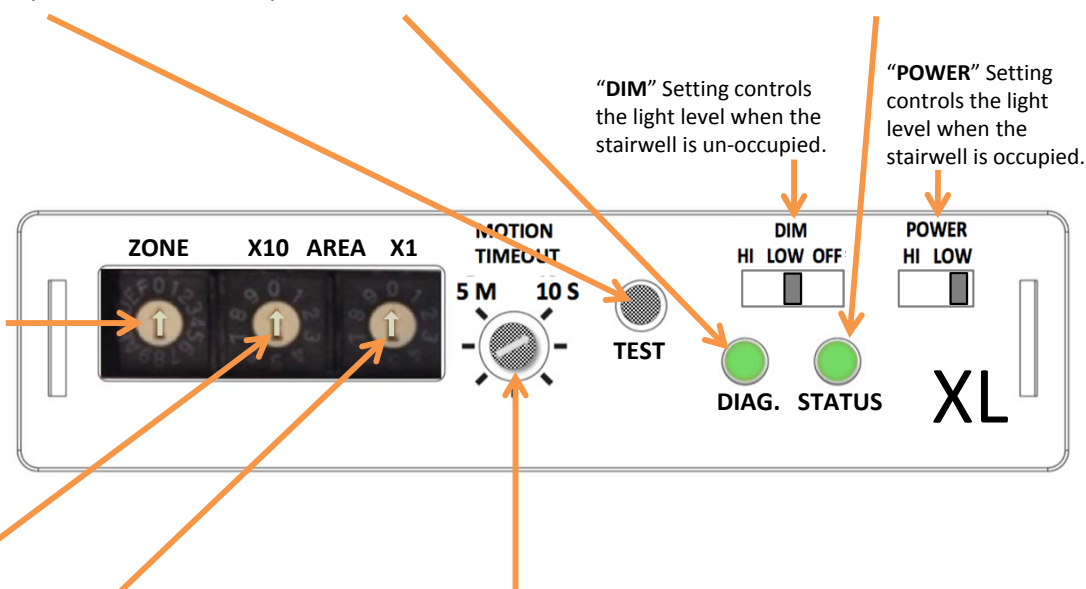
Area X10 Dial Switch: This dial is set to indicate the floor or area a particular fixture is being installed on. If the fixtures are being installed on floors 1 - 9, this dial would be set to "0". If the fixture is being installed on floors 10 – 19, this dial would be set to "1". If it is being installed on floors 20 – 29, this dial would be set to "2", etc.

Area X1 Dial Switch: This dial is set to indicate the floor or area a particular fixture is being installed on. If the fixture is being installed on the 4th floor, this dial would be set to "4". If the fixture is being installed on the 23rd floor this dial would be set to "3", etc.

Timer: Once the fixture sees motion within an area it will immediately illuminate to full intensity. A small screwdriver is used to adjust the "Timer". This Timer adjusts the length of time that the fixture remains on at full power prior to returning to the "DIM" setting. Turning the Timer all the way to the left (counter clockwise) will keep the fixture on at high power for only 10-seconds. Turning the Timer all the way to the right (clockwise) will keep the lights on at full power for 5-minutes after the sensor sees its last motion. The time can also be set anywhere between 5-seconds and 10-minutes by positioning the Timer accordingly.

"DIM" Setting controls the light level when the stairwell is un-occupied.

"POWER" Setting controls the light level when the stairwell is occupied.



EXAMPLE #1: If a fixture is being installed in the second stairwell of a building on the 17th floor, the dial indicators would be set like this: 2 1 7.

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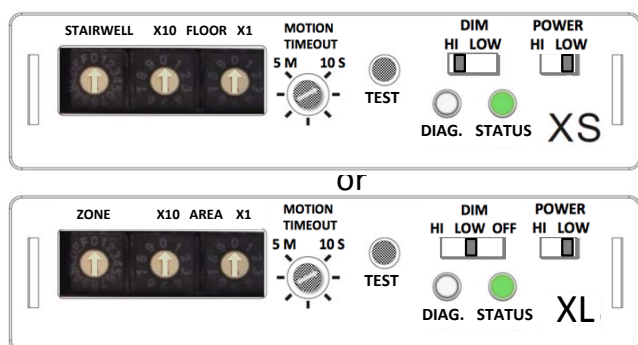


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Control Panel LED Indicator Message Interpretation

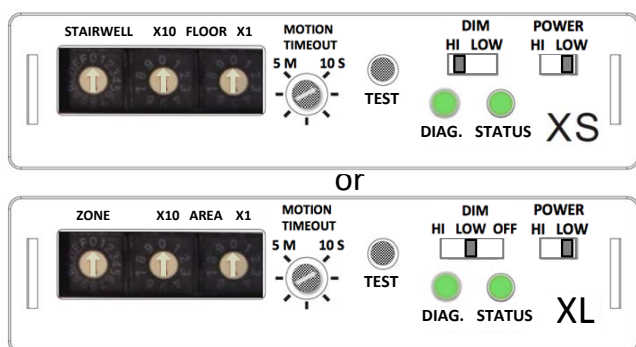
“Only For Fixtures (XS & XL) with Battery Back-Up”

Once the fixture has been properly secured to the ceiling and powered, two Indicator LEDs can be seen on the control panel on the side of the fixture. The one to the left (when looking at the control panel) is the **Diagnostic LED Indicator**. The one to the right is the **Status LED Indicator**. These LEDs are bi-colored, meaning they can be 2 different colors, in this case **RED** or **GREEN**. The table below explains what the Status LED Indicator means:



Status LED Function	Status LED
AC Power Good, Battery Charged	GREEN: On
AC Power Good, Battery Charging	GREEN: Flashing
AC Power Off, Battery Good	RED: On
AC Power Off, Battery Low	RED: Flashing
Battery FAULT	Alternate Flashing between RED and GREEN

To be in compliance with NFPA Life Safety Code 101, end users must perform a 30-second monthly functional test and a 90-minute annual test. The 30-second monthly test is done by pressing the Diagnostic Test Button on the control panel. A 30-second self-diagnostic test is built into the programming of this unit. After 30-seconds the results will be displayed as indicated in the table below. To conduct the annual test, power should be secured to the stairwell fixtures externally (i.e. the circuit breaker). At the end of 90 minutes the fixtures should still be providing adequate illumination through the integrated battery back-up system within this fixture (if so equipped). The test itself and the results should be recorded and this record maintained by the end user. The table below explains what the Diagnostic LED Indicator (DIAG) means:



Diagnostic LED Function	Diagnostic LED
Diagnostic FAILED	RED: On
Diagnostic PASSED	GREEN: On
Diagnostic in PROGRESS	Alternate Flashing between RED and GREEN

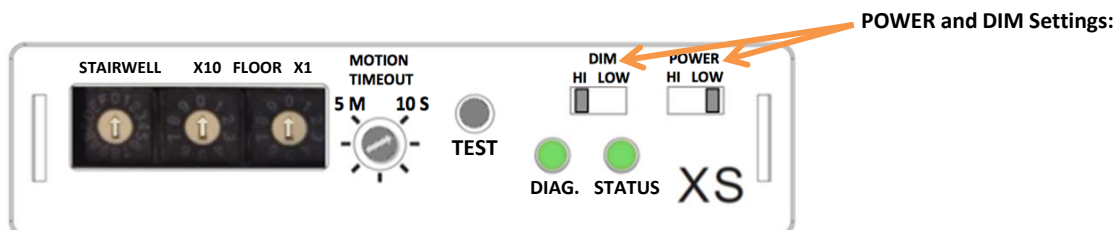
Note: For full details related to periodic testing of stairwell fixtures, see NFPA 101(00), Sec 7.9.3.



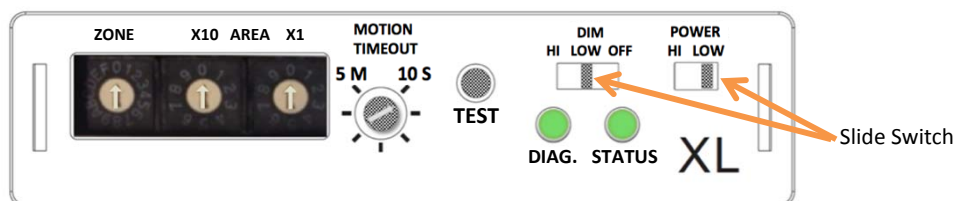
Artemis Series of Low Occupancy LED Ceiling Mounted Fixtures (Including Stairwells) Installation & Operation Guide

“DIM and POWER” Settings For Artemis Fixtures

There are very stringent illumination regulations governing fixtures intended for use in stairwells. Xeleum’s XS Artemis fixtures are specifically design to surpass these requirements, and have been validated with 3rd party testing and certification. As such, neither the POWER (occupied) and DIM (un-occupied) settings can be turned off. This ensures the proper illumination required to be compliant with regulatory requirements.



For non-stairwell applications, xeleum s Artemis XL series offers several different POWER and DIM settings allowing full customization for customer specific application. A small “slide switch” is provided in the window under the DIM and POWER labels on the control panel. These can be set with a finger or a small screwdriver.



DIM Settings for the XL (non-stairwell version): The “DIM” setting controls the light level when the area being illuminated is “unoccupied”. There are three different options for this setting..

HI – This setting provides about 50% of the fixtures full illumination capability when the area being illuminated is unoccupied.

LOW – This setting provides about 10% of the fixtures full illumination capability when the area being illuminated is unoccupied.

OFF – This setting turns the fixture completely off when the area being illuminated is unoccupied.
Note: There may still be a slight glow coming from the fixture in this setting. This is related to the charging and memory features of this fixture.

POWER Settings: The “POWER” setting controls the light level when the area is being illuminated after the fixture’s PIR sensor has identified movement within the space (occupied)...

HI – This setting provides 100% power or about 4200 lumens for maximum illumination within the space being illuminated.

LOW - This setting provides about 75% power or about 3200 lumens within the space being illuminated. This setting provides an additional 25% energy savings as compared to the HI setting.



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Caution:

Cet appareil est conforme à la Partie 15 des règlements de la FCC et aux normes RSS de l'Industrie du Canada. Son fonctionnement est soumis aux deux conditions suivantes : (1) cet appareil ne doit pas causer des interférences nuisibles, et (2) cet appareil doit accepter toute interférence reçue, y compris les interférences qui peuvent provoquer un fonctionnement indésirable.

Le fabricant n'est pas responsable des toutes interférences radio ou télévision causées par des modifications non autorisées apportées à cet appareil. De telles modifications peuvent empêcher l'utilisateur d'utiliser l'appareil.

This device complies with Part 15 of the FCC rules and Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or change to this equipment. Such modifications or change could void the user's authority to operate the equipment.

Le présent émetteur radio (identifier le dispositif par son numéro de certification ou son numéro de modèle s'il fait partie du matériel de catégorie II) a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

This radio transmitter (identify the device by certification number or model number if Category II) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Antenna Type	Max. Antenna Gain(dBi)
Monopole antenna With RP SMA connector	3dBi