DAMAR®

Installation Guide
v1.0

⚠ WARNING/ADVERTENCIA/AVERTISSEMENT

To reduce the risk of electrical shock, fire, or injury to persons; read and follow all warnings and installation instructions before installing. All installation should be performed by a qualified electrician.

Risk of Electric Shock
Prior to inspection and installation turn power off via circuit breaker panel. Only to be performed by certified personnel conformed to local electrical and codes.

Risk of Fire
This fixture is rated for 120 VAC at 60Hz only installation must be performed to the following instructions containing in this manual.

Para reducir el riesgo de descarga eléctrica, incendio o lesiones a personas, lea y siga todas las advertencias e instrucciones de instalación antes de realizarla. Toda instalación debe ser efectuada por un electricista cualificado.

Riesgo de choque eléctrico
Antes de inspeccionar e instalar, apague la electricidad mediante el panel de disyuntores. Solo debe realizarlo personal certificado conforme los códigos eléctricos locales.

Riesgo de incendio
Este artículo está diseñado solo para 120 VAC a 60Hz y solo debe instalarse siguiendo las instrucciones de este manual.

Lisez et suivez les instructions d'installation et les avertissements avant l'installation. Toute l'installation doit être exécutée par un électricien qualifié, pour réduire les risques de choc électrique, de feu ou de blessures corporelles.

Risque de choc électrique
Éteindre via le panneau du disjoncteur avant l'inspection et l'installation, qui doivent être réalisées uniquement par du personnel qualifié, conformément aux codes électriques locaux.

Risque d'incendie
Le dispositif est conçu pour une installation de 120 VAC à 60 Hz seulement et les instructions qui suivent, dans ce manuel, doivent être respectées lors de l'installation.

FOR YOUR SAFETY
While performing installations described, gloves, safety glasses or goggles should be worn.

PARA SU SEGURIDAD
Mientras realice las instalaciones descritas, se recomienda el uso de guantes y gafas de seguridad.

POUR VOTRE SÉCURITÉ
Vous devriez porter des gants et des verres de protection lors des installations detaillees.

Do not make or alter any open holes in an enclosure of wiring or electrical components during installation.

To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.

Do not alter, relocate, or remove wiring, lampholders, power supply, or any other electrical component.

SUITABLE FOR WET LOCATIONS.

No realice ni altere los agujeros abiertos en un recinto de cableado ni en cualquier componente eléctrico durante la instalación del kit.

Para evitar daños en el cableado o abrasiones, no exponga el cableado a hojas de metal laminado u otros objetos cortopunzantes.

No altere, reubique o elimine cables, portalámparas, tomacorriente o cualquier otro componente eléctrico.
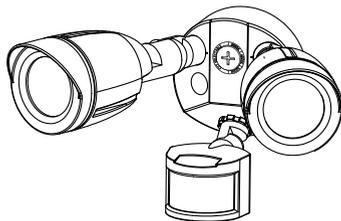
APTO PARA LUGARES HÚMEDOS.

INe pas percer de trous ou modifier les trous existants dans un boîtier ou des components électriques durant l'installation de l'ensemble.

Pour prévenir les dommages ou l'abrasion, ne pas mettre en contact le câblage avec des bords de plaques de metal ou tout autre objet coupant.

Ne pas modifier, délocaliser ou enlever du câblage, des supports de lampes, une source d'alimentation ou tout autre composant électrique.
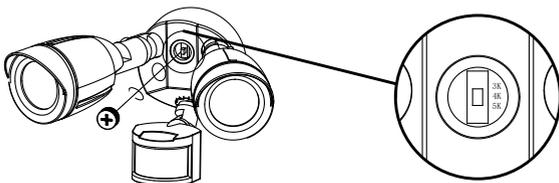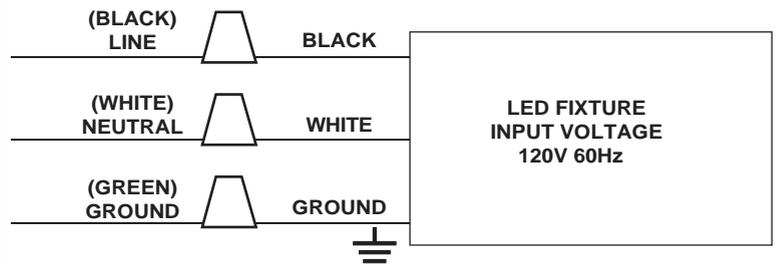
CONVIENT AUX ENDROITS HUMIDES.

INSIDE THE BOX
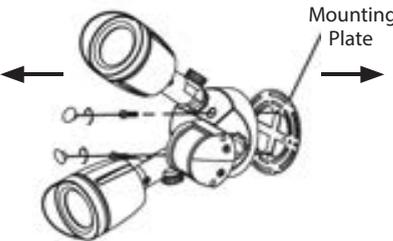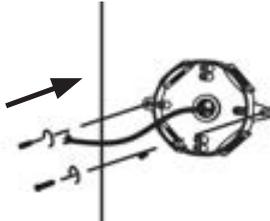

34940C / 34940D

Wiring Diagram

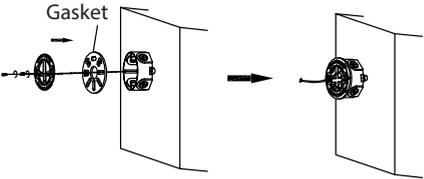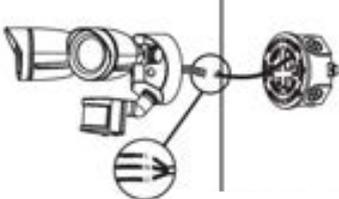| (BLACK) LINE	BLACK	
(WHITE) NEUTRAL	WHITE	LED FIXTURE INPUT VOLTAGE 120V 60Hz
(GREEN) GROUND	GROUND	

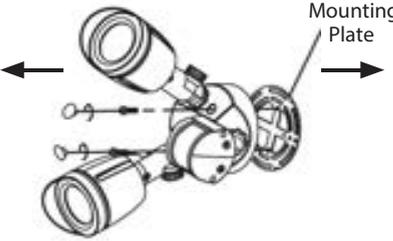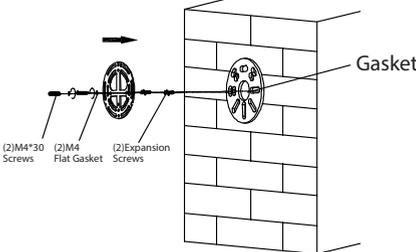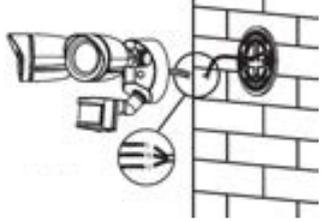Unscrew the 1/2" NPT aluminum plug to adjust cct according to requirements.

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Disconnect the power before installation. Exploded view of completed assembly with component call out. 1, 2, 3, etc.

INSTALLATION: Wall Mount (External Junction Box)

1

Mounting Plate

1. Disconnect power supply Remove (2) plastic plugs. Remove inserted screws and mounting plate.

2

2. Attach junction box on the wall (not supplied).

3

Gasket

3. Fix mounting plate and gasket onto junction box.

4

4. Connect the wires, refer to the Wiring Diagram.
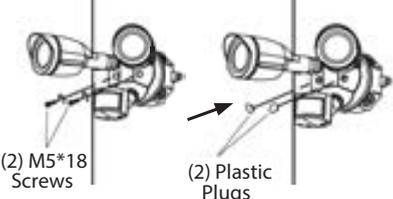
5

(2) M5*18 Screws

(2) Plastic Plugs

5. Secure fixture onto mounting plate with screws, replace plastic plugs.

6
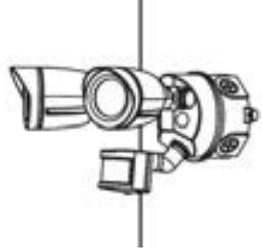
6. Check fixture and connect power supply.

INSTALLATION: Wall Mount (Built-in Junction Box)
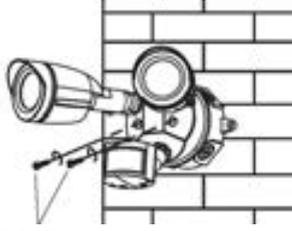
1

Mounting Plate

1. Disconnect power supply Remove (2) plastic plugs. Remove inserted screws and mounting plate.

2

Gasket

(2)M4*30 Screws   (2)M4 Flat Gasket   (2)Expansion Screws

2. Drill (2) holes on the wall and insert expansion screws. Attach gasket and fix mounting plate with screws.

3

3. Connect the wires, refer to the Wiring Diagram.

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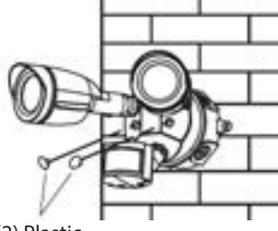**Disconnect the power before installation. Exploded view of completed assembly with component call out. 1, 2, 3, etc.**

4

(2) M5*18
Sc rews

4. Secure fixture onto mounting plate with screws.

5

(2) Plastic
Plugs

5. Replace plastic plugs.

6
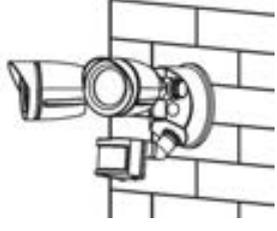
6. Check fixture and connect power supply.

INSTALLATION: Ceiling Mount

1

Mounting
Plate

1. Disconnect power supply Remove (2) plastic plugs. Remove inserted screws and mounting plate.

2

2. Attach junction box on the wall (not supplied).

3

Gasket

3. Fix mounting plate and gasket onto junction box.

4. Connect the wires, refer to the Wiring Diagram.

5

(2) M5*18
Sc rews

(2) Plastic
Plugs

5. Secure fixture onto mounting plate with screws, replace plastic plugs.

6

6. Check fixture and connect power supply.

MOTION SENSOR OPERATING INSTRUCTIONS
IMPORTANT: Read before using fixture. Retain for future reference.

The motion sensor on this fixture has a built in Dusk-to-Dawn sensor that automatically disables the motion sensor during daylight hours regardless of motion detection.

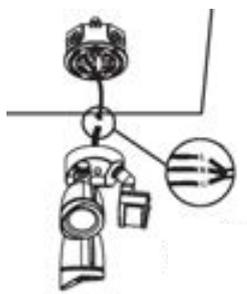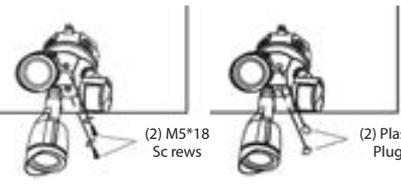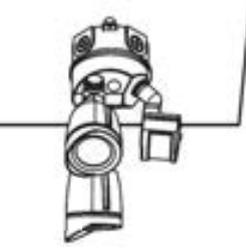1. The motion sensor must be tested before setting the Time and sensitivity levels. The TEST option is located on the TIMER control knob on the underside of the sensor head. To test the fixture, switch the wall switch that controls power to the fixture to the ON position and turn the rotary knob to the "TEST" area. During test mode. The lights will come on for 20 seconds, regardless of motion detection or the time of day. The light will shut off automatically after 20 seconds. Leave the rotary knob in the "TEST" area and test the sensitivity by crossing in the path of the sensor. The light will come on only if it senses movement. Once movement stops, it will turn off in 5 seconds. The test is now complete.

2. Once the fixture has been tested for proper operation and sensitivity, rotate the TIMER control knob into the timer settings. The timer settings indicate how long the light stays on after the PIR senses motion. Rotating this knob clockwise raises the stay on time of the motion sensor for up to 10 minutes. Rotating the knob counterclockwise shortens the stay on time as close as 10 seconds. It may be necessary to adjust the TIMER knob several times until the desired ON time is achieved.

3. Rotate the TIMER control knob to the "D2D" position, the light turns on at dusk and off at dawn automatically, regardless of the presence of motion. The "D2D" setting ensures lights are non-operational in daylight and only function at night.

4. The control knob located on the opposite side is marked SENSITIVITY, which determines the degree of motion detection. Rotating this knob clockwise raises the sensitivity of the motion sensor for up to 60 ft. of distance. Rotating the knob counterclockwise lowers the sensitivity down to as close as 10 ft. It may be necessary to adjust the "SENSITIVITY" knob several times until the desired setting is achieved.

NOTE: The higher sensitivity level increases the likelihood of a false activation being triggered. For maximum range performance, allow the fixture to operate in any setting (with power) for at least 48 hours.

5. The 180 degree coverage of the motion sensor is measured side to side. Therefore, the sensor will better detect motion across the field of view (side-to-side), rather than motion coming straight at the sensor (in-and-out). Adjust the motion sensor head so that it detects motion moving across the cover age area. The position of the sensor head should not exceed 45 degrees from horizontal. Do not aim the motion sensor at a body of water, bushes or plants that may move in the wind, pedestrian traffic, moving cars, etc., as this will trigger the motion sensor.

NOTE: if the Sensor arm becomes loose, it will not hold the sensor head at the joint screw on the sensor arm.

6. With the TIMER control knob set in the TIMER area, to control the light from inside the home, activate manual override mode by toggling the wall light switch OFF and ON within 2 seconds. The security light will turn on and stay on for approximately 8 hours, or until the Dusk-to-Dawn sensor detects light in the morning. Once the Dusk-to-Dawn sensor detects light, the manual override mode will automatically go back to it's original settings of the AUTO motion sensor.
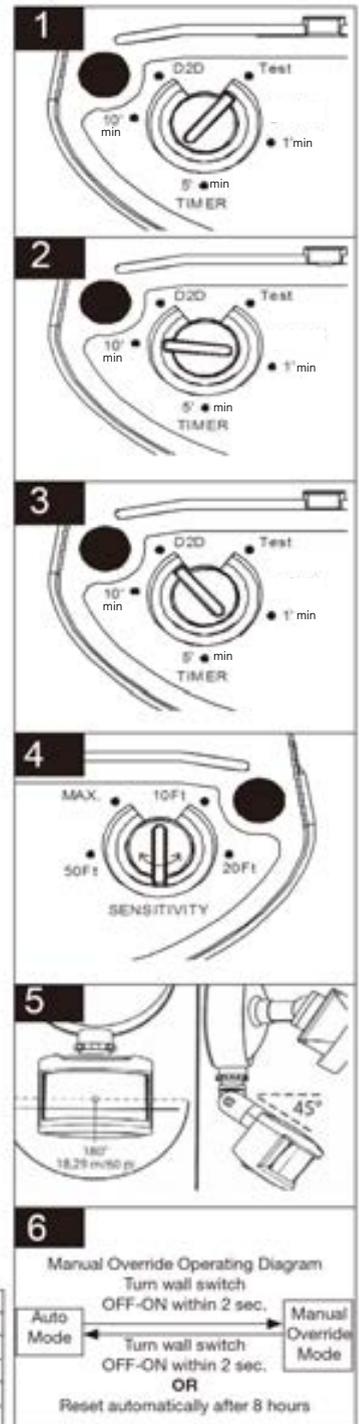
LIGHT OPERATION

MODE	CONTROL KNOB	WALL SWITCH	SENSITIVITY KNOB
Test mode	Test position.	On	Any setting
AUTO motion sensor mode	Timer area	On	Any setting
Dusk to Dawn mode	D2D position.	On	Any setting
Manual override mode	Timer area	Toggle OFF & ON within 2 seconds	Any setting
Return to AUTO Motion sensor mode	Timer area	On.	Any setting

Manual Override Operating Diagram

Turn wall switch OFF-ON within 2 sec.

Auto Mode → Manual Override Mode

Turn wall switch OFF-ON within 2 sec.

OR

Reset automatically after 8 hours

CARE AND MAINTENANCE

IMPORTANT: This fixture uses LEDs (light emitting diodes) to provide light. LEDs do not burn out like traditional light bulbs and will last for 30 years or more (based on 3 hours of usage per day).

Periodically clean the fixture and diffuser using a mild, non-abrasive cleaner and soft cloth. When cleaning the fixture, make sure the power is turned off. Do not spray cleaner directly onto any part of the fixture or LEDs.

TROUBLESHOOTING

Extreme hot or cold weather could affect the performance of the built-in sensors that detect body heat. Certain winter clothing can shield a person's body heat from the sensor during extreme cold weather. During extreme hot weather, the sensor may not be able to distinguish the difference between normal body temperatures and the surrounding high temperatures. The sensor will begin working normally once weather conditions return to normal.

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
Light does not come on at night when motion is detected.	1. No power is being delivered to the fixture. 2. Another light source is causing the security light to think it is daylight. 3. Wiring inside electrical box came loose.	1. Check that circuit breaker and/or wall switch power is on. 2. Turn off surrounding lights and/or re-aim the sensor head. 3. AFTER turning power off to the fixture, reconnect any loose wiring.
Security light comes on during the day.	1. Dusk-to -Dawn sensor is in a shaded area and is fooled into thinking it is nighttime. 2. Dusk-to-Dawn sensor is faulty.	1. Shine a flashlight onto the light sensor. If the security light turns off, then the fixture is mounted in an area that does not allow enough light to enter the sensor. Relocate security light. 2. If under warranty, contact Customer Service.
Security light cycles ON and OFF continuously.	1. Dusk-to-Dawn sensor is sensing reflected light from the security light.	1. Change the position of the light head, aim light away from the reflecting surfaces. 2. Put a small piece of black electrical tape over the Dusk-to-Dawn sensor. 3. Relocate the security light to a different location, where it no longer causes reflected light.
Security light comes on for no apparent reason at night.	1. Light is sensing motion in the detection zone.	1. Make sure the sensor is not picking up moving objects such as bushes, trees, traffic, water, etc. 2. Test the motion sensor by covering up the front curved lens with cardboard to block the view. If the light turns off, then something in the detection zone is triggering the sensor. Reposition the motion sensor or change the sensitivity (distance) of the sensor.