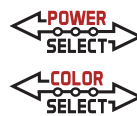# LED AREA LIGHTS WITH OPTIC SWAP
STOCKING SPECIAL

INSTALLATION INSTRUCTIONS

PLEASE FIND A QUALIFIED ELECTRICIAN FOR INSTALLATION. Please read the instructions before you install and use the area light.

APPLICATION

Pole-mount or structure-mount outdoor illumination needs (including parking lots, auto dealerships, pathways, roadways, recreational venues, and other general area lighting requirements)

SAFETY AND ELECTRICAL PARAMETERS

Warning

- To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards, read all warnings and instructions included with and or the fixture box and fixture labels.

- Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions.

- Commercial installation, service, and maintenance of luminaires should be performed by a qualified licensed electrician.

- If you are unsure about the installation or maintenance of the luminaires, consult a qualified licensed electrician. **Please abide by all federal, state, and local code requirements and regulations when installing this luminaire.** Wiring must be in accordance with NEC and all applicable local codes.

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

Warning

- Turn off electrical power at the fuse or circuit breaker box before wiring fixture to the pole/site/building power.

- Turn off the electrical power when you perform any maintenance.

- Verify that supply voltage is correct by comparing it with the luminaire label information. Do not install with supply voltage that exceeds the rated input voltage of the luminaire.

- All wiring connections should be capped with UL approved wire connectors.

Caution

- Avoid direct eye exposure to the light source while it is on.

- Account for small parts and destroy/recycle packaging material, as these may be hazardous to children.

- Risk of burn. Disconnect power and allow fixture to cool before handling/servicing.

Notice

- All fixture installs must be properly grounded.

- Minimum of 75°C/167°F supply conductors.

- Specifications and dimensions subject to change without notice. Consult Keystone with any questions or concerns.

- Fixture is IP65 Rated. Suitable for WET LOCATION.

- Ensure ambient operating temperature is maintained:

  – without sensor: −40°C/−40°F to 50°C/122°F

  – with sensor: −25°C/−13°F to 50°C/122°F

  Exceeding these temperature ranges will void warranty and may reduce lifetime or cause performance issues.

- Inspect fixture for any damages before installing. If there is any damage, please do not install and contact Keystone or authorized distributor for resolution.
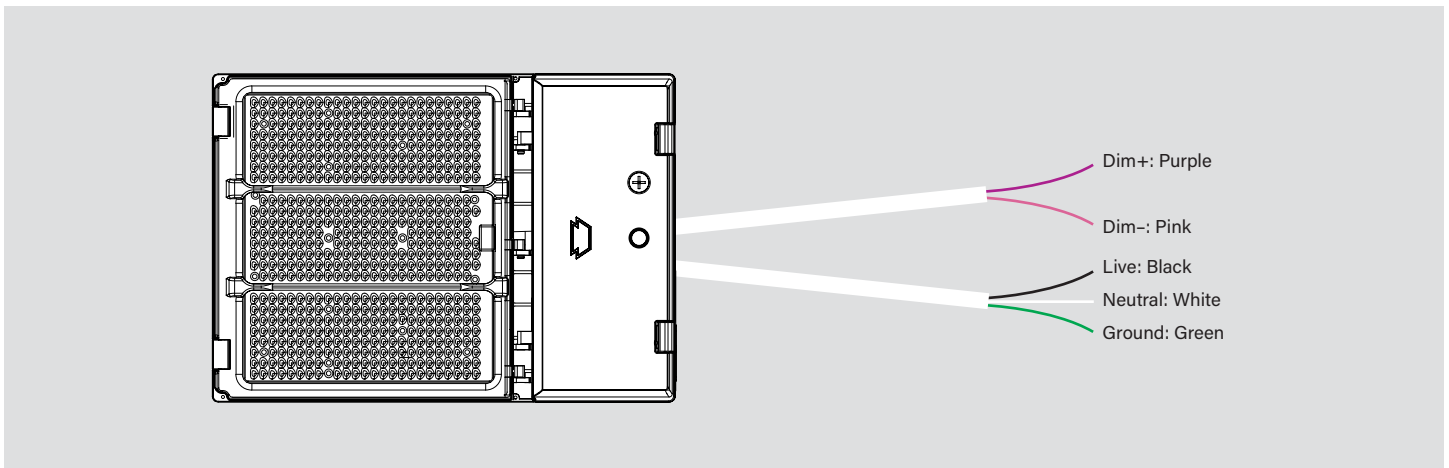
COMPONENTS INCLUDED IN KIT

Part	Quantity
LED area light fixture	1
Mounting hardware	1
Type 3 lens*	1
Type 4 lens	1
Type 5 lens	1

* Note: Type 3 lens is already installed in the fixture. To install Type 4 or 5 lens, please see instructions on following pages.

Caution: Before installing, make certain that AC power to the fixture is off.

GENERAL SETUP INSTRUCTIONS

WIRING DIAGRAM

- Dim+: Purple
- Dim–: Pink
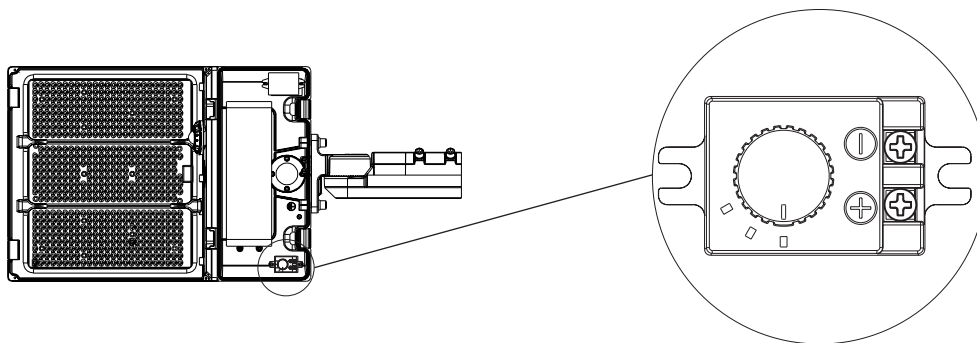- Live: Black
- Neutral: White
- Ground: Green

- All fixtures come pre-wired with a 7-pin twist lock receptacle with shorting cap, and surge protector. Make input connections as needed and ensure connections are protected from exposure to the elements.
- **THIS KEYSTONE AREA LIGHT REQUIRES 120-277 INPUT VOLTAGE.**
- Ensure that input voltage on site matches the fixture you intend to install.

POWER AND COLOR SELECT INSTRUCTIONS

Power Select Instructions

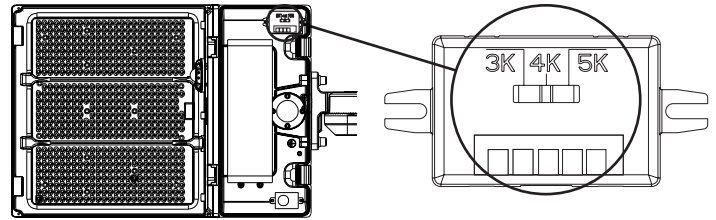**Note:** Please turn off the power before adjusting wattages.

1. Turn off power to the fixture.
2. Open the driver box cover as shown in the figure below.
3. Find the Power Select knob and adjust to desired setting.
4. Close the driver box
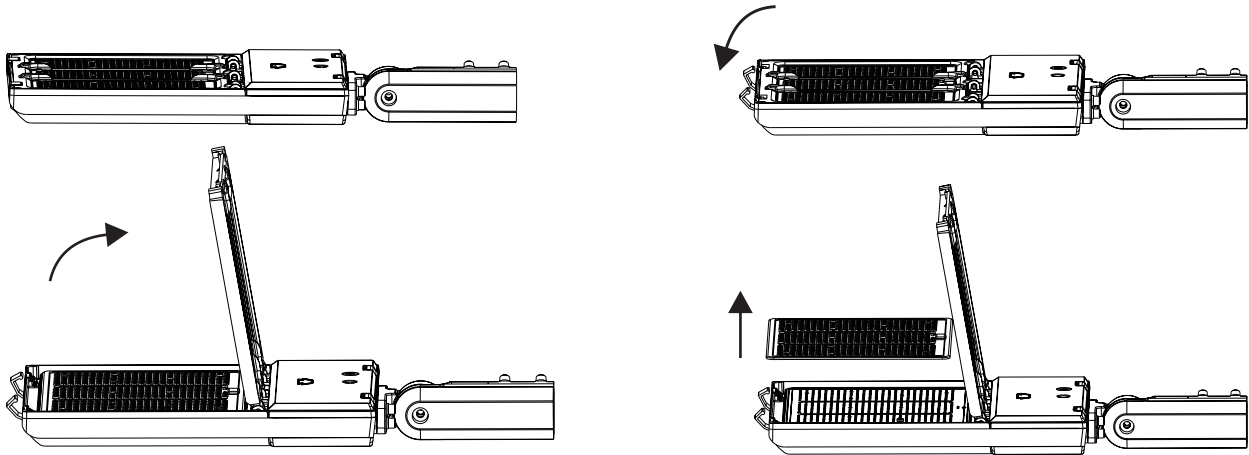
Color Select Instructions

Note: Please turn off the power before adjusting color temperature.

1. Turn off power to the fixture.
2. Open the driver box cover as shown in the figure below.
3. Find the Color Select switch and adjust to desired setting.
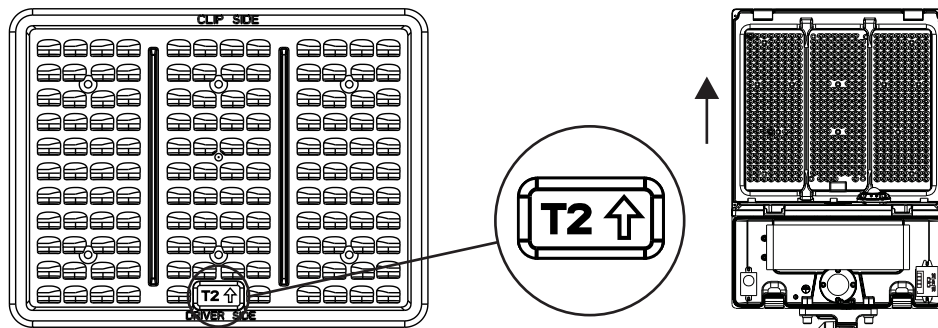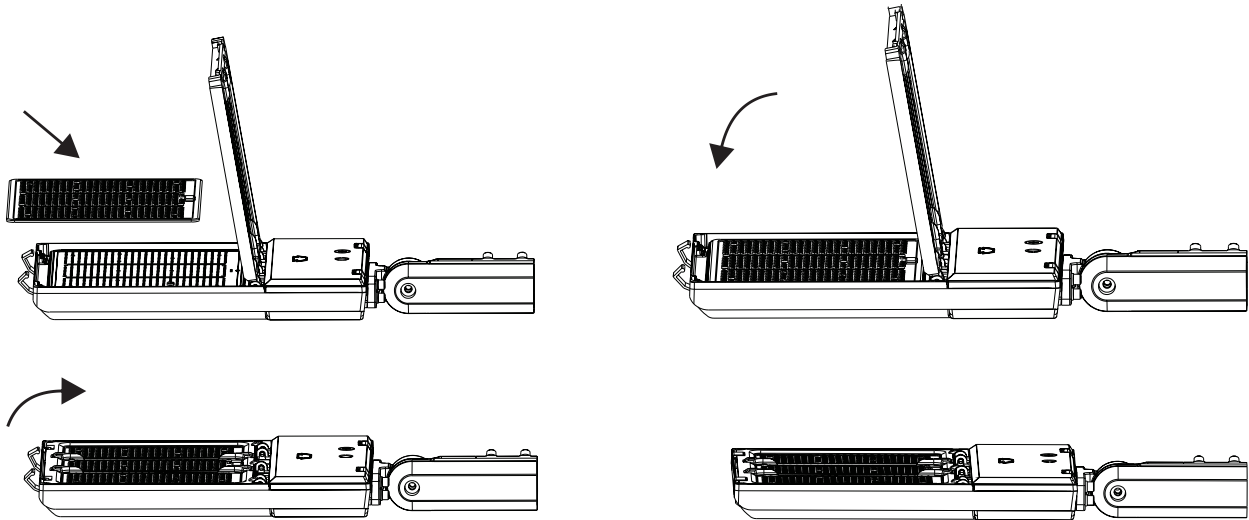4. Close the driver box

TOOL-FREE OPTIC SWAP

1. Remove the fixture from the packaging. Open the door frame by unbuckling the latches, and remove the pre-installed lens.

2. Insert the new lens and ensure it is positioned in the proper location. Close the door frame, buckle the latches, and proceed with installation.

Note: When installed in the correct orientation, arrow should face the front of the fixture.

Keystone Technologies ▪ Philadelphia, PA ▪ Phone (800) 464-2680 ▪ **www.keystonetech.com**
Specifications subject to change. Last revised on 05.15.24
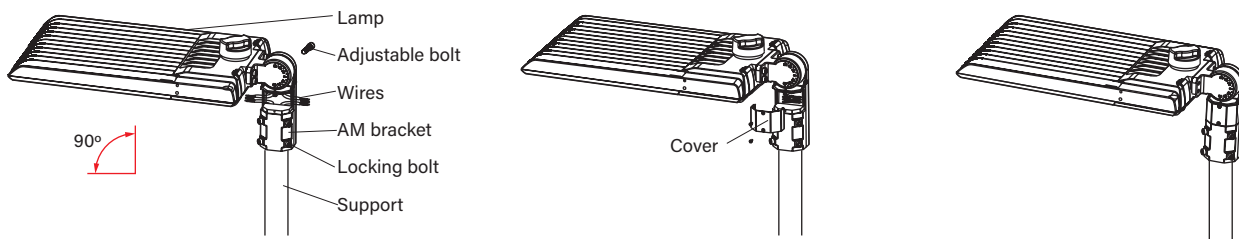
INSTALLATION INSTRUCTIONS

SLIP FITTER

FIXTURE INSTALLATION

The following items comes with a slip fitter mount: KT-ALED140PS-M2-OSB-SF-8CSB-VDIM-P; KT-ALED140PS-M2-OSB-SF-8CSB-VDIM-P-W; KT-ALED290PS-L2-OSB-SF-8CSB-VDIM-P; KT-ALED290PS-L2-OSB-SF-8CSB-VDIM-P-W

The slip fitter mounting fits a standard 2-3/8" OD tenon.

1. Ensure power is off to the fixture.
2. Open the wiring access plate on the side of the slip fitter.
3. Feed supply wires from tenon through the slip fitter.
4. Place the slip fitter over the tenon and secure the fixture with the (4) M8 × 30mm set-screws on the side of the slip fitter. Ensure that all 4 set screws are fully tightened for application security.
5. Complete wiring to input power wires (see **Wiring Diagram**, above) and tuck all wiring inside slip fitter housing.
6. Close the wiring access plate on the side of the slip fitter.
7. Adjust the tilt-angle (0°–90°) of the fixture by loosening the M10 × 40mm socket head screw on the rotating adjustment knuckle; 15-degree indicators are on the fixture for reference. Re-tighten socket-head screw when tilt-angle is correct.
8. Re-connect power when ready.

   (see illustrations below)

ADJUSTABLE POLE MOUNT

FIXTURE INSTALLATION

The following items comes with an adjustable pole mount: KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P; KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P-W; KT-ALED290PS-L2-OSB-PMA-8CSB-VDIM-P; KT-ALED290PS-L2-OSB-PMA-8CSB-VDIM-P-W

Pole mount kits are designed to fit both square and round poles. For round poles, remove the rubber adaptor plate from the mounting assembly.

1. Ensure power is off to the fixture.
2. Mount the base of the pole mount kit to the pole with M8 × 50mm bolts (included). The base has hole patterns that are compatible with most existing pole drill holes. If necessary, drill new holes in pole.
3. Feed supply wires from inside the pole through the mounting bracket base.
4. Open the wiring access plate on the pole mount assembly.
5. Install the fixture/pole mount assembly onto the pole mount base from the top down, and feed wiring into the wiring access area accordingly.
6. Complete wiring to input power wires (see **Wiring Diagram**, page 2) and tuck all wiring inside pole mount assembly housing.
7. Close the wiring access plate on the pole mount kit.
8. Adjust the tilt-angle (0°–45°) of the fixture by loosening the M10 × 35mm socket head screw on the rotating adjustment knuckle; 15-degree indicators are on the fixture for reference. Re-tighten socket-head screw when tilt-angle is correct.
9. Re-connect power when ready.
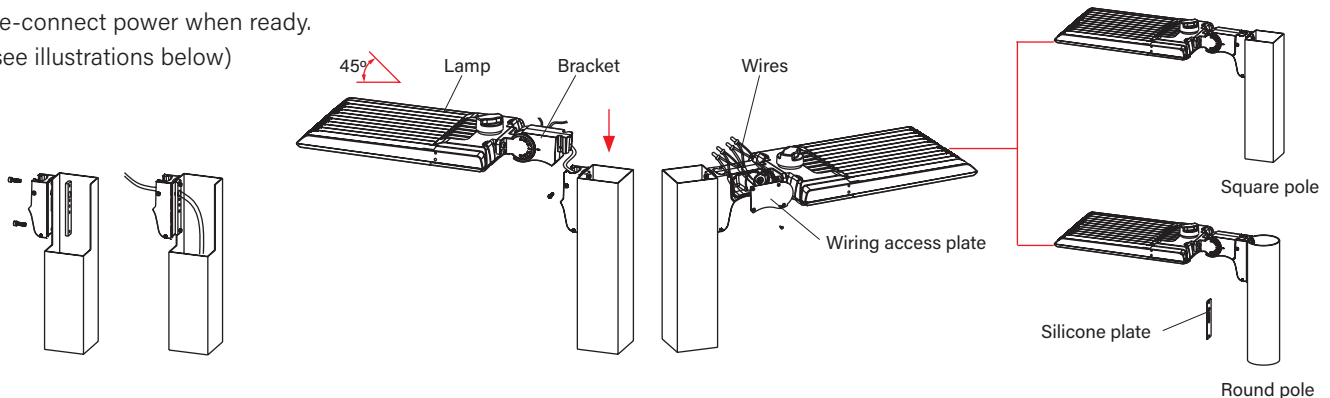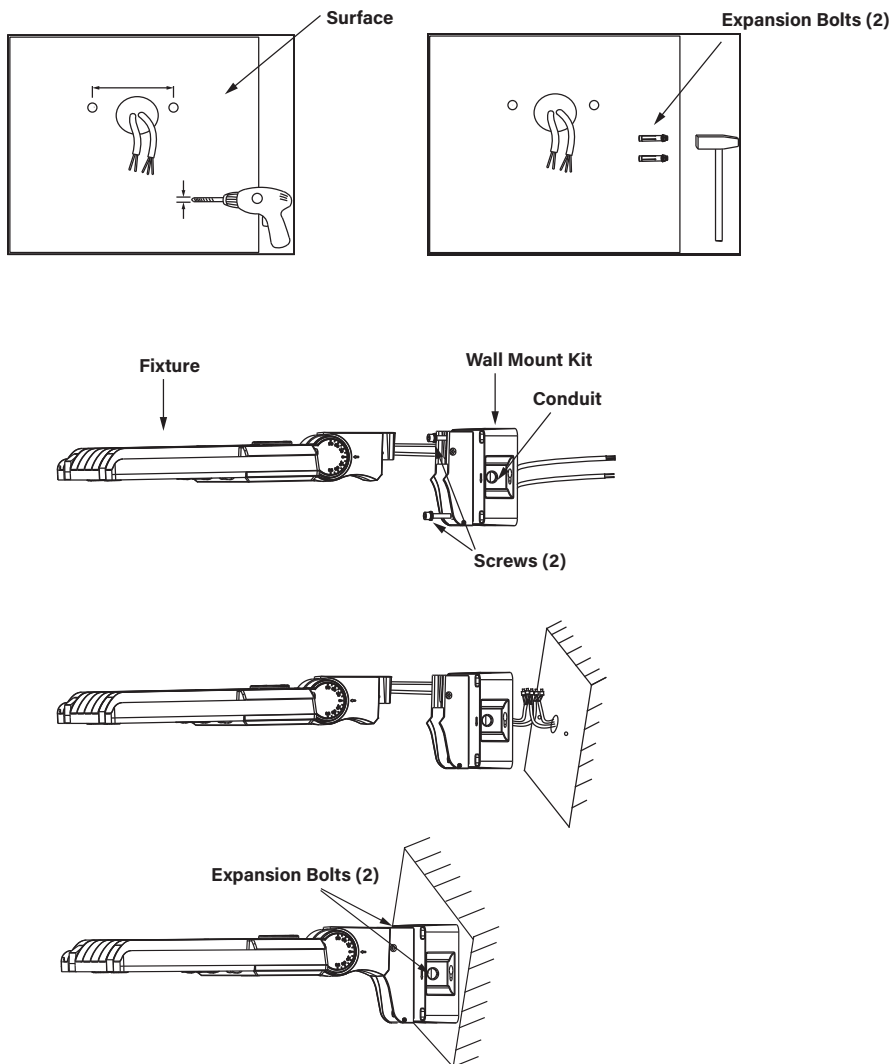
   (see illustrations below)

INSTALLATION INSTRUCTIONS (continued)

<div style="background-color:red; color:white; text-align:center;">**WALL MOUNT**</div>

FIXTURE INSTALLATION

1. Drill holes into desired surface.
2. Put expansion bolts (provided) into the drilled holes and loosen the nuts.
3. Feed supply wires through opening in the wall.
4. Secure the fixture to the wall mount kit with (2) screws (provided).
   4a. KT-ALED-WM-1-KIT-X must be used with either KT-ALED-PM-1-KIT-X or KT-ALED-PMA-1-KIT-X.
       See above Adjustable Pole Mount or Fixed Pole Mount instructions on how to install.
5. Connect the fixture leads to supply wires using UL listed wire connectors and according to local, state, and federal codes. Push all wires into the wall mount kit.
6. Mount the kit, with the fixture attached, on to the expansion bolts and secure with the nuts from Step 2.
7. For conduit entry, remove the conduit cap and feed supply wires through the opening. Follow Steps 5 and 6 to complete installation.

Surface

Expansion Bolts (2)

Fixture

Wall Mount Kit

Conduit

Screws (2)

Expansion Bolts (2)
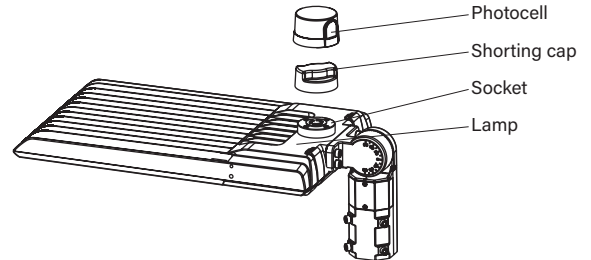
ACCESSORY OPTIONS / INSTALLATION

PHOTOCELL (INCLUDED)

These fixtures come with a twist-lock 3-pin photocell accessory. These fixtures are compatible with Keystone NEMA/ANSI C136.10-2010 twist-lock 3-pin photocells. Additionally, these fixture are compatible with NEMA/ANSI C136.41 7-pin twist-lock photocells (manufactured by others and sold separately).

Twist Lock 3-Pin Photocell

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KT-TLP-UV-3PN	NEMA-Type 3-Pin Twist-lock Photocell	120-277V	1800VA max	Blue	843654131825	NQT-46

1. Ensure power is off to the fixture.
2. Remove existing twist lock shorting cap from the receptacle.
3. Push the photocell onto the receptacle and twist clockwise to lock it into the receptacle.
4. For optimal performance, install the photocell with sensor detector window facing **North** as indicated on the top of the photocell.
   Adjust the receptacle positioning if necessary, while being sure to secure fully for proper water-tight install.
5. Re-connect power when ready.

   (see illustration below)

Photocell
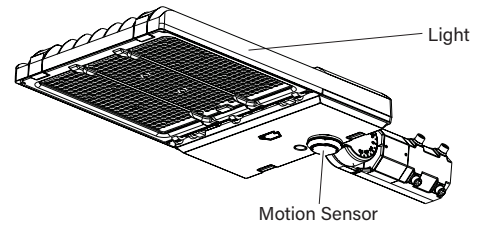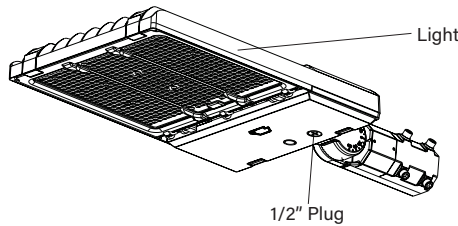Shorting cap
Socket
Lamp

MOTION SENSOR (SOLD SEPARATELY)

These fixtures are compatible with the KTS-MW3-12V-PKO, Keystone screw-in microwave occupancy sensor. See sensor specifications for default settings and options. Mating sensor receptacle is pre-wired inside the fixture by default.

Microwave Occupancy Sensor

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KTS-MW3-12V-PKO	12V Microwave Occupancy Sensor	843654130637	TRM-32

1. Ensure power is off to the fixture.
2. Remove 1/2" knock-out (KO) plug next to the Keystone emblem on the driver access door.
3. Screw in sensor head.
4. Re-connect power when ready.

   (see illustrations below)

Light

1/2" Plug

Light

Motion Sensor

5. Program desired settings as needed with KTS-MW3-12V-PKO, Keystone screw-in microwave occupancy sensor.

REMOTE CONTROL (SOLD SEPARATELY)

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KTS-MW3-REMOTECONTROL	Remote Control for KTS-MW3-12V-XX sensors,	Sets/adjusts all sensor performance parameters	843654132020	XSR-61

BLUETOOTH SENSORS (SOLD SEPARATELY)

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KTSL-FC3-12V-PKO-PIR*	Bluetooth mesh wireless screw-in low voltage controller for SmartLoop system	843654138862	OCW-60
KTSL-FC4-12V-PKO	Bluetooth mesh wireless screw-in low voltage fixture controller for SmartLoop system	843654149066	RUN-10

* When installing on Keystone area lights, use small thin gasket provided with the sensor to ensure proper electrical connection and a water-tight seal. Hand tighten only. (Do NOT use the larger thick gasket. Sensor will not make electrical contact with thick gasket.) PIR sensors may not always perform reliably in typical outdoor environments. Ensure sensors are used and commissioned with this in mind. Consult Keystone for further information on the matter. When using KTSL-FC3-12V-PKO-PIR in applications with photosensor control for dusk-to-dawn, use 3-pin twist-lock photocells (KT-TLP-UV-3P) for optimal functionality.

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Specifications subject to change. Last revised on 05.15.24

BLUETOOTH SENSORS (SOLD SEPARATELY)

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P	140W Series 2 LED Area Light | Power Select | Color Select | Optics Selectable B (Type III, IV, V) | Pole Mount Adjustable | Bronze | Medium Housing	843654153087	WEN-81
KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P-W	140W Series 2 LED Area Light | Power Select | Color Select | Optics Selectable B (Type III, IV, V) | Pole Mount Adjustable | White | Medium Housing	843654153094	GJJ-95
KT-ALED140PS-M2-OSB-SF-8CSB-VDIM-P	140W Series 2 LED Area Light | Power Select | Color Select | Optics Selectable B (Type III, IV, V) | Slipfitter mount | Bronze | Medium Housing	843654153100	XPL-59
KT-ALED140PS-M2-OSB-SF-8CSB-VDIM-P-W	140W Series 2 LED Area Light | Power Select | Color Select | Optics Selectable B (Type III, IV, V) | Slipfitter mount | White | Medium Housing	843654153117	LKX-29
KT-ALED290PS-L2-OSB-PMA-8CSB-VDIM-P	290W Series 2 LED Area Light | Power Select | Color Select | Optics Selectable B (Type III, IV, V) | Pole Mount Adjustable | Bronze | Large Housing	843654153124	LWD-80
KT-ALED290PS-L2-OSB-PMA-8CSB-VDIM-P-W	290W Series 2 LED Area Light | Power Select | Color Select | Optics Selectable B (Type III, IV, V) | Pole Mount Adjustable | White | Large Housing	843654153131	WOC-65
KT-ALED290PS-L2-OSB-SF-8CSB-VDIM-P	290W Series 2 LED Area Light | Power Select | Color Select | Optics Selectable B (Type III, IV, V) | Slipfitter mount | Bronze | Large Housing	8436541533148	IYG-25
KT-ALED290PS-L2-OSB-SF-8CSB-VDIM-P-W	290W Series 2 LED Area Light | Power Select | Color Select | Optics Selectable B (Type III, IV, V) | Slipfitter mount | White | Large Housing	843654153155	EMV-15

SAVE THESE INSTRUCTIONS

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