



KT-FLED100PS-R5-ESO1-UNV-8CSB-VDIM

LED FLOODLIGHT WITH ECO MODE PHOTOCELL AND OPTIC SWITCH TECHNOLOGY

INSTALLATION INSTRUCTIONS

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

APPLICATION

Ground, pole, tenon, or building mount areas with low nighttime activity and/or a need for increased energy savings

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 relevant federal, state, and local 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 holes unnecessarily 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 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 or recycle packaging material, as these may be hazardous to children.
- Risk of burn. Disconnect power and allow fixture to cool before handling or servicing.

NOTICE

- All fixture installs must be properly grounded.
- Minimum of 75°C supply conductors.
- Specifications and dimensions subject to change without notice. Consult Keystone with any questions or concerns.
- Fixture is IP65 Rated: Suitable for wet locations.
- Ensure ambient operating temperature between -40°C/-40°F to 50°C/122°F is maintained. 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.

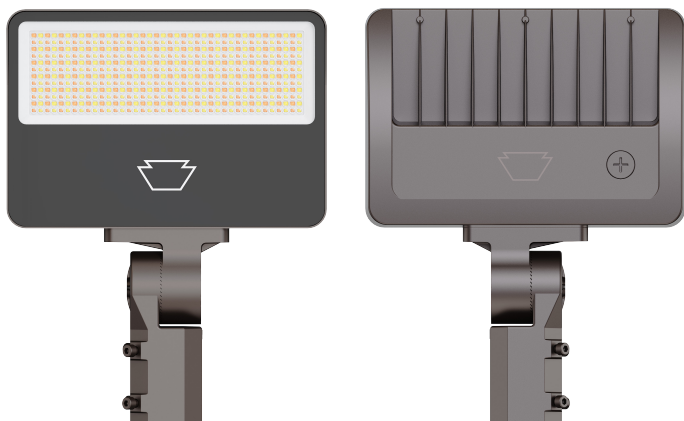
COMPONENTS INCLUDED IN KIT

Part	Quantity
100W LED Floodlight	1
Two mounts	1 each

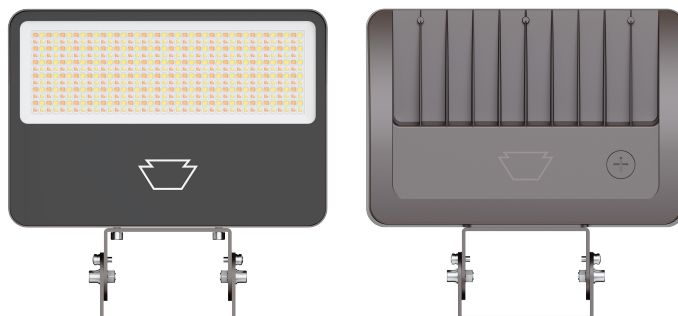
Caution: Before installing, ensure that AC power to the fixture is off.

Caution: The electrical rating of this product is 120-277V. Installer must confirm that there is 120-277V at the fixture before installation.

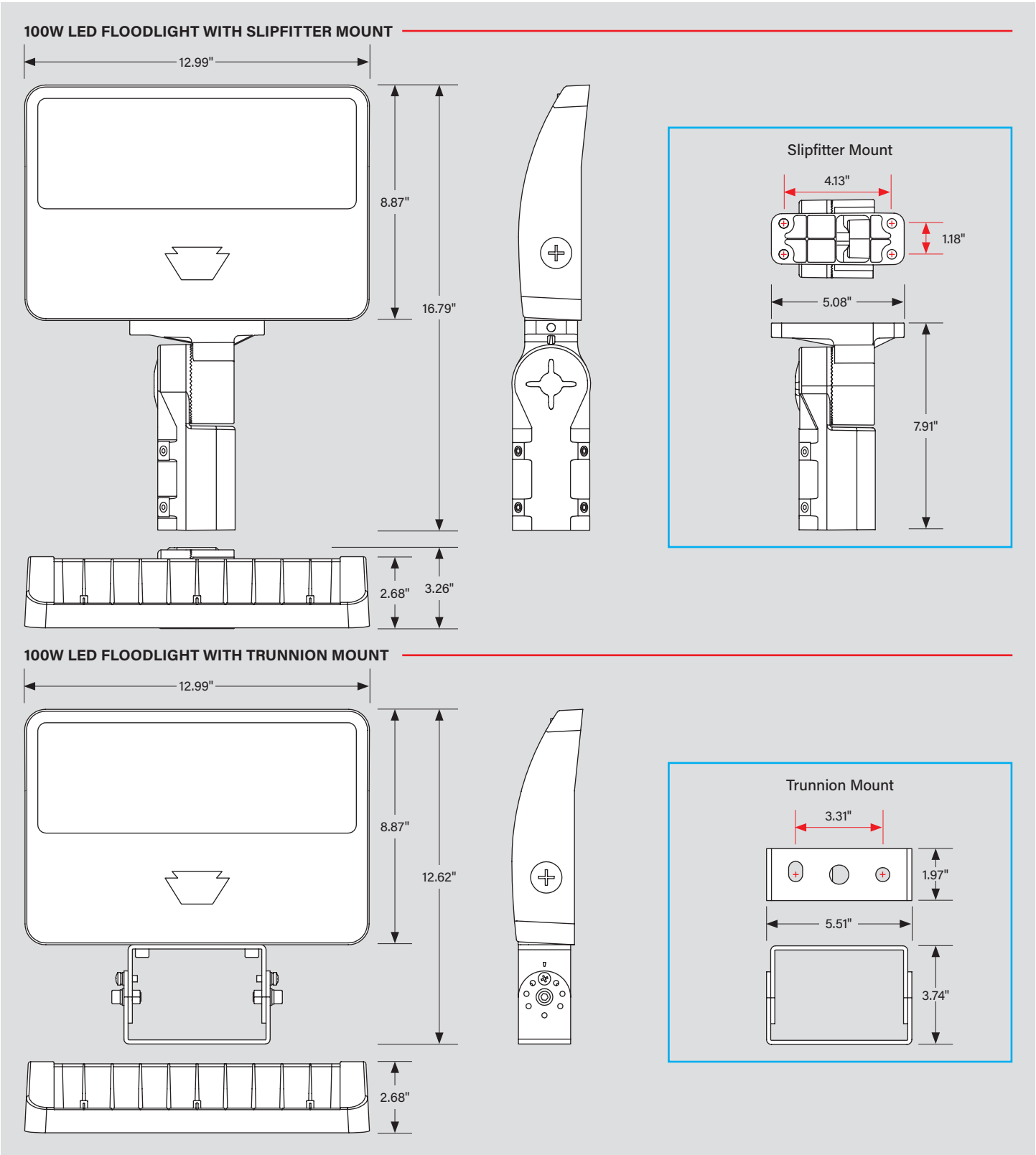
100W LED FLOODLIGHT WITH SLIPFITTER MOUNT



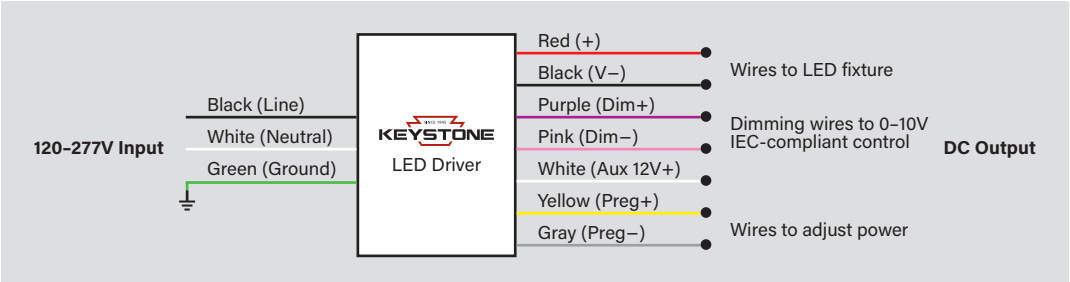
100W LED FLOODLIGHT WITH TRUNNION MOUNT



PHYSICAL SPECIFICATIONS



GENERAL WIRING DIAGRAM



POWER SELECT (WATTAGE), COLOR SELECT (CCT), AND ECO MODE PHOTOCELL

This fixture is equipped with field-adjustable selectable wattage, selectable CCT, and ECO mode photocell technology.

1. Ensure power is off to the fixture.
2. Unscrew the gasketed cap from the side of the fixture.
3. Adjust dip switches to desired settings. *Note: fixture is factory preset to 100W, 5000K, and ECO mode ON.*
4. Screw on gasketed cap.
5. Restore power to fixture.

**POWER SELECT (WATTAGE) ADJUSTMENT**

Adjust the dip switch to change wattage between 100W, 90W, and 80W options.

**COLOR SELECT (CCT) ADJUSTMENT**

Adjust the dip switch to change CCT between 5000K, 4000K, and 3000K options.

**ECO MODE PHOTOCELL ADJUSTMENT**

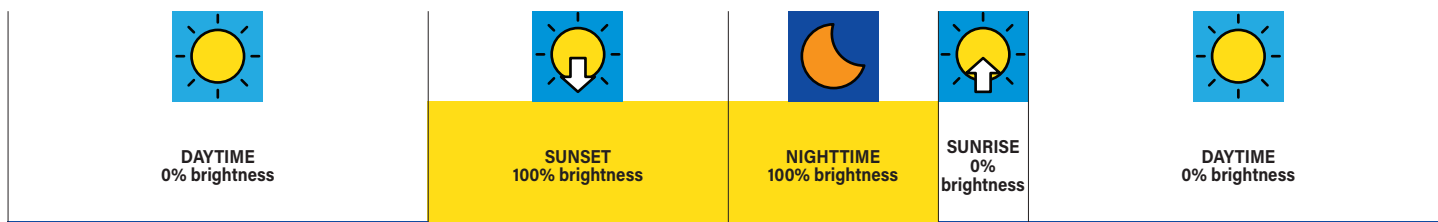
This fixture includes an integrated photocell with Keystone NightTrim technology, a patent-pending feature that provides additional energy savings during deep night hours when outside activity is at its lowest. NightTrim technology utilizes an algorithm-driven controls circuit to adjust for seasonal fluctuations in nighttime duration without the need for manual intervention, external time clocks, or Wi-Fi and cloud connectivity. It's the perfect set-it-and-forget-it solution for those who want the sophistication of a complex platform but need the ease of a standard photocell.

Adjust the dip switch to change ECO Mode Photocell between ON, OFF, and ECO options.

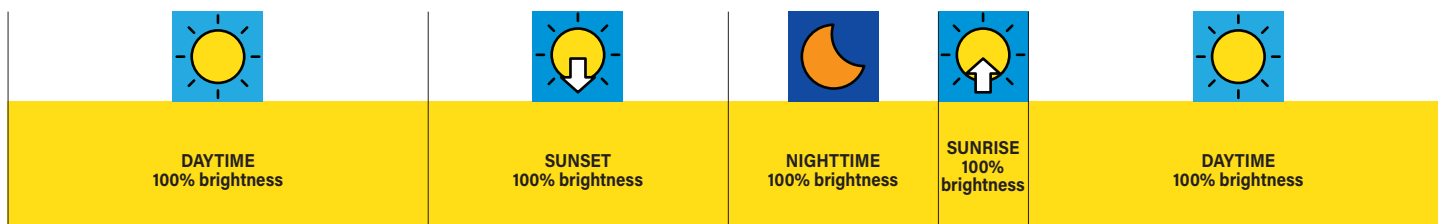
Note: Fixture is factory preset with ECO Mode Photocell ON.

ON Mode (Standard Dusk-to-Dawn Mode)

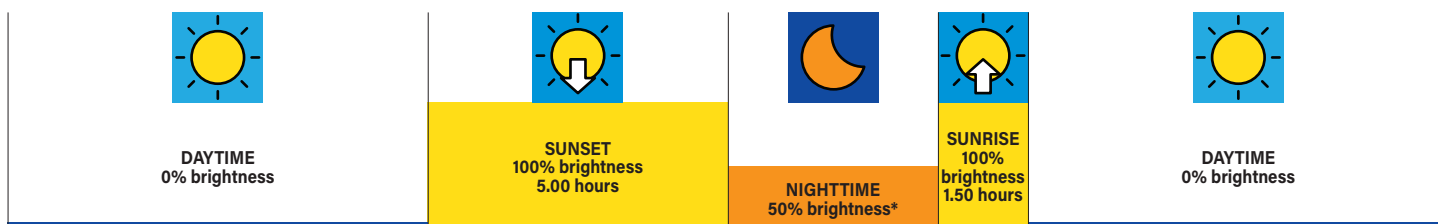
- At sunset, the fixture automatically illuminates at 100% brightness.
- At sunrise, the fixture automatically turns off.

**OFF Mode (Continuous Illumination)**

- Fixture remains constantly on at 100% brightness, regardless of ambient light conditions.

**ECO Mode (Intelligent Energy Optimization)**

- The photocell uses an innovative algorithm to adjust the duration of the ON, OFF, and DIM settings without using Wi-Fi or cloud connectivity.

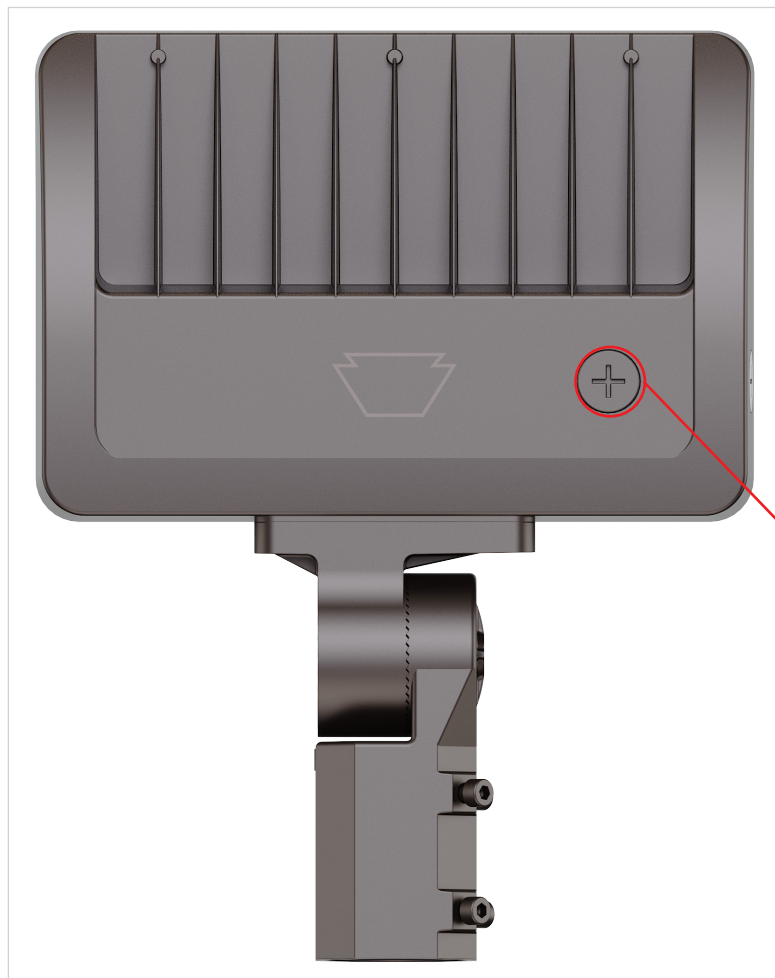
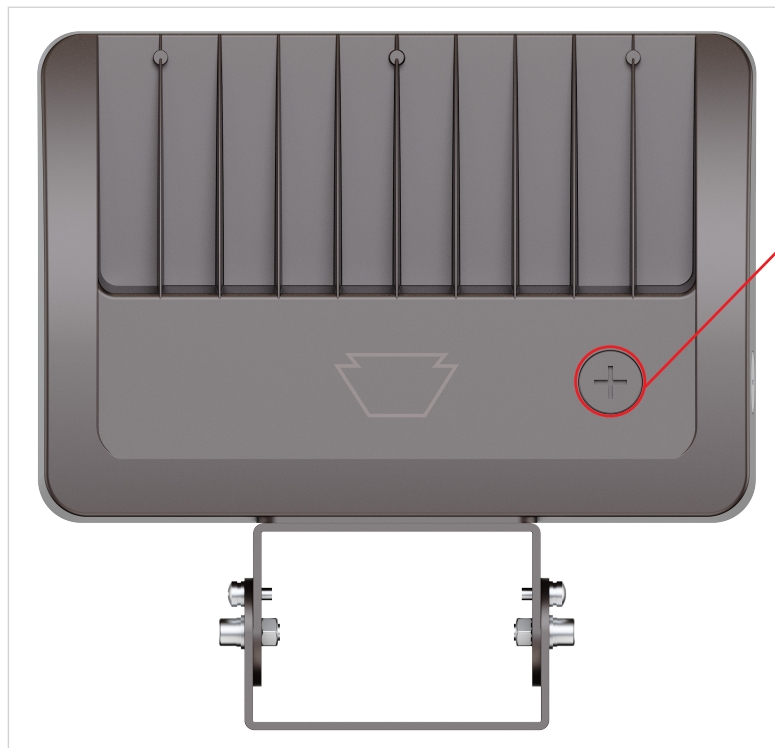
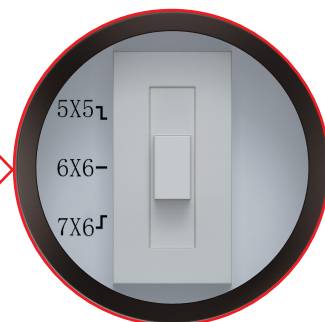


*Fixture automatically dims to 50% after 5 hours of use.
The fixture will stay at 50% brightness until approximately 90 minutes before sunrise.

BEAM ANGLE

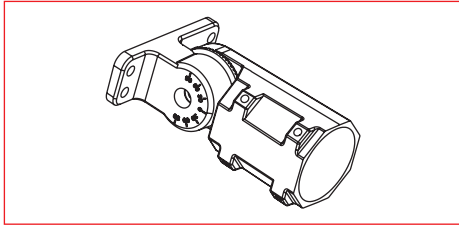
This fixture is equipped with field-adjustable beam angle technology.

1. Ensure power is off to the fixture.
2. Unscrew the gasketed cap from the top of the fixture.
3. Adjust the dip switch to change angle between NEMA 7H × 6V, 6H × 6V, and 5H × 5V options. *Note: fixture is factory preset to 7H × 6V option.*
4. Screw on gasketed cap.
5. Restore power to fixture.

**optic**switch

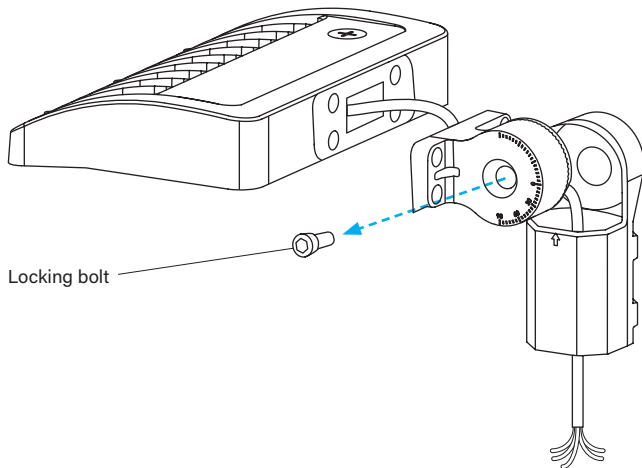
INSTALLATION INSTRUCTIONS

SLIPFITTER MOUNT



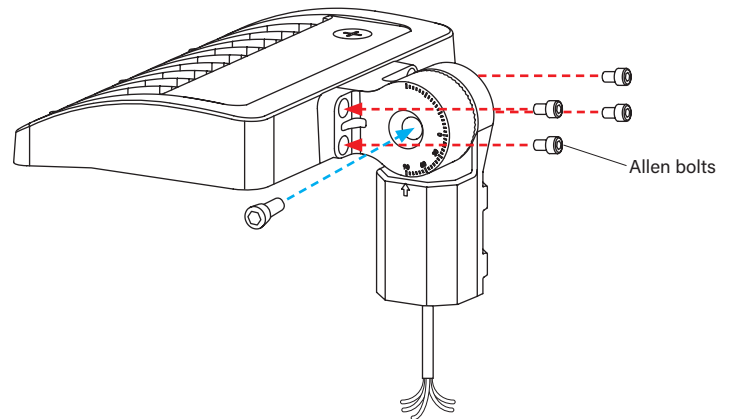
1. Shut off power at the source.

3. Separate the slipfitter mount into two (2) pieces by removing the locking bolt from the center of the adjustment knuckle. Pass the input and dimming wires through the center of the two sections.



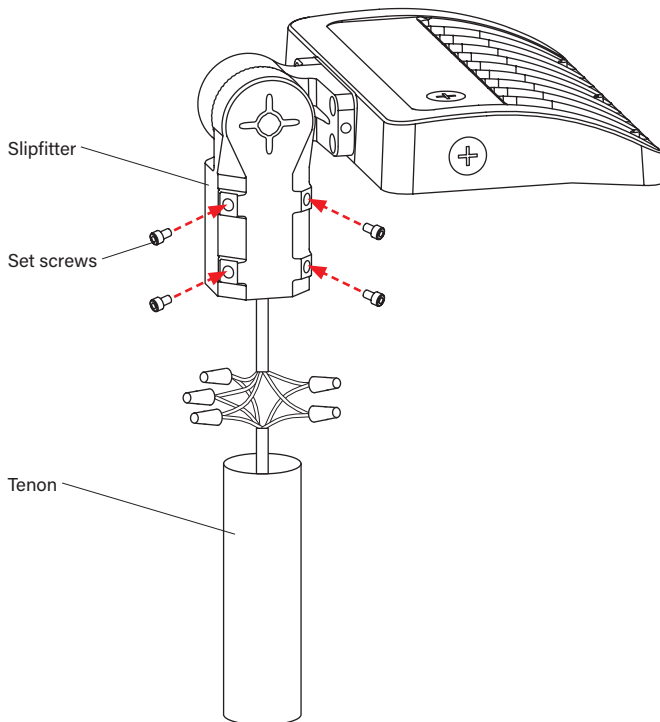
2. Remove existing mount if necessary.

4. Use four (4) Allen bolts (included) to secure the slipfitter mount to fixture housing. Tighten the locking bolt to reassemble the two slipfitter pieces.



5. Make appropriate wire connections per NEC (see **Wiring Diagram** on page 2).

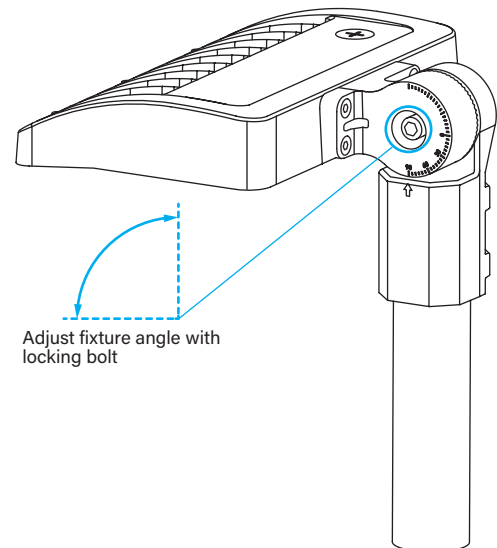
Place the slipfitter mount over the tenon and secure the fixture with four (4) set screws located on the side of the slipfitter.



6. Loosen the locking bolt and swivel the fixture to the desired angle (adjustable angle is 0°~+/-90°).

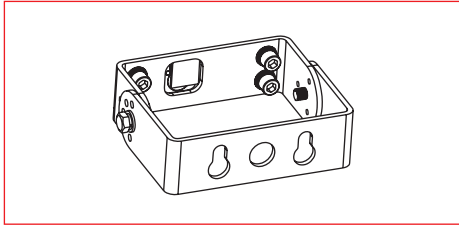
Tighten the locking bolt.

Adjust beam angle as necessary (See **Beam Angle** on page 4).

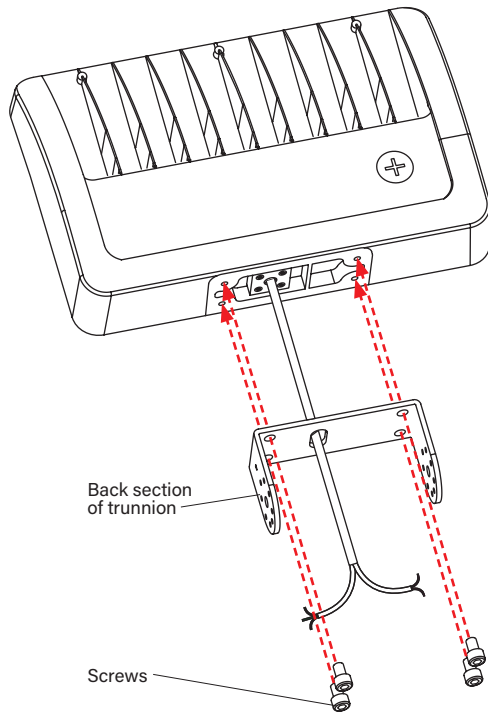


7. Restore power to fixture.

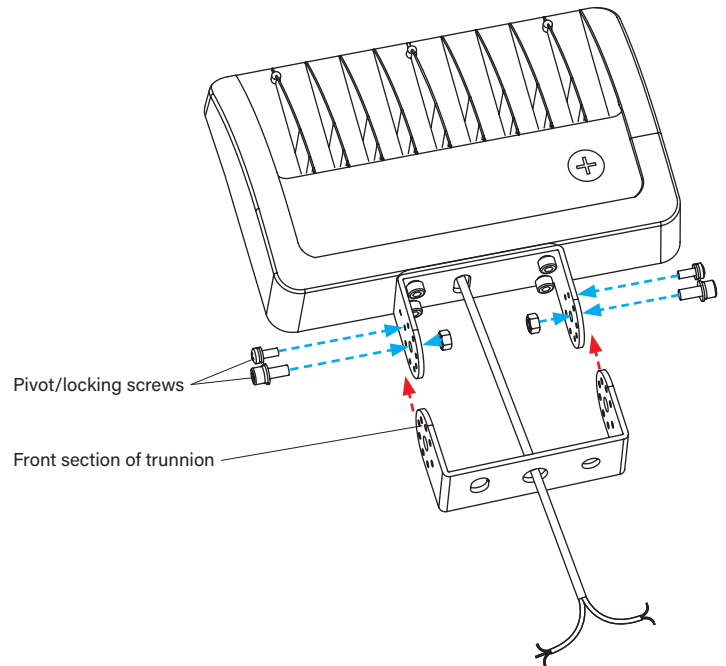
(Installation Instructions continue on next page)

INSTALLATION INSTRUCTIONS (continued)**TRUNNION MOUNT****1. Shut off power at the source.**

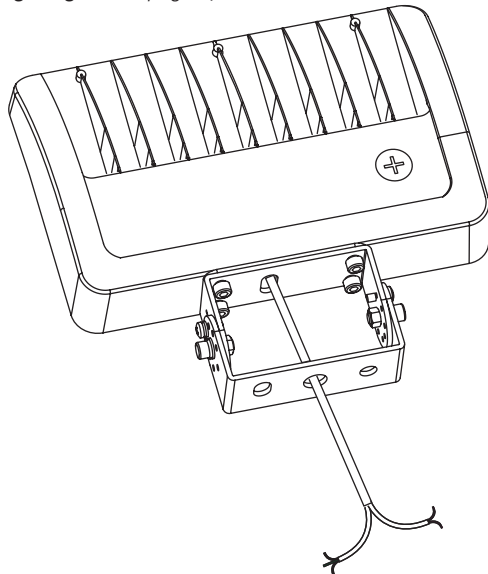
- 3.** Align the opening of the back section of the trunnion with the fixture opening. Thread fixture wires through the trunnion. Secure back section of trunnion to the fixture housing using four (4) screws (provided).

**2. Remove existing mount if necessary.**

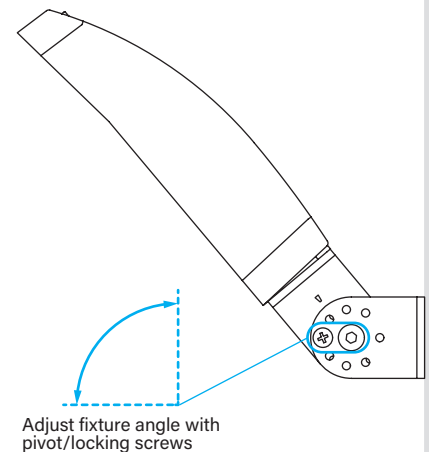
- 4.** Thread wires from back section of trunnion through front section. Join together back and front trunnion sections with two each of pivot/locking screws (provided).



- 5.** To install fixture onto surface, thread wiring from fixture through surface (see **Wiring Diagram** on page 2).



- 6.** Loosen the pivot and angle locking screws to adjust the fixture to desired angle (adjustable angle is $0^\circ \sim +/ - 90^\circ$). Re-tighten screws. Adjust beam angle as necessary (See **Beam Angle** on page 4).

**7. Restore power to fixture.**

ORDERING INFORMATION

100W LED FLOODLIGHT

Catalog Number	Description	UPC	Easy Code
KT-FLED100PS-R5-ESO1-UNV-8CSB-VDIM	100W LED Floodlight with Integrated Eco Mode Photocell Power Select 100/90/80W Color Select 30/40/50K 120-277V Input 0-10V Dimmable Bronze Housing	843654178127	LPB-94