

LED FLOOD LIGHTS

INSTRUCTION MANUAL APPLICATION

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

APPLICATION

Ground-mount or building-mount outdoor illumination needs (including landscapes, display signage, loading docks, building facades, pathways, parking areas, and other general site 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 relevant country, regional, 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 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/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 75C 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 between $-40^{\circ}\text{C}/-40^{\circ}\text{F}$ to $45^{\circ}\text{C}/113^{\circ}\text{F}$ is maintained (requires tooling product to test and then getting final data). 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
Floodlight	1
Instruction sheet	1

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

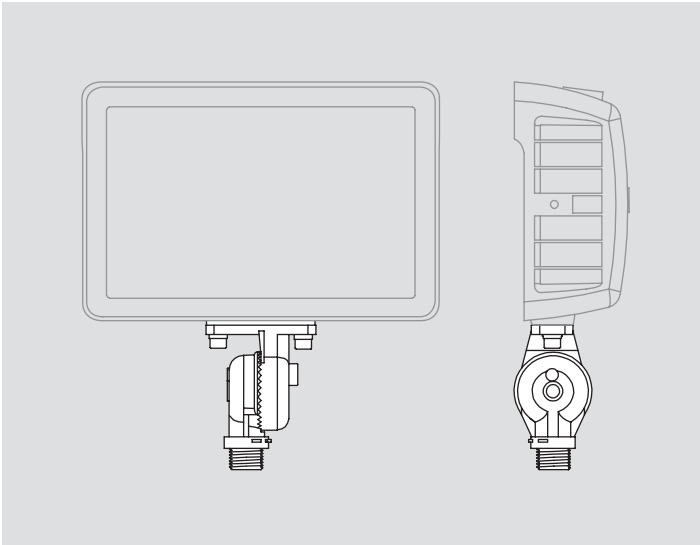
Caution: The electrical rating of this product is 120–277V. Installer must confirm that there is 120–277V at the fixture before installation.

ELECTRICAL SPECIFICATIONS

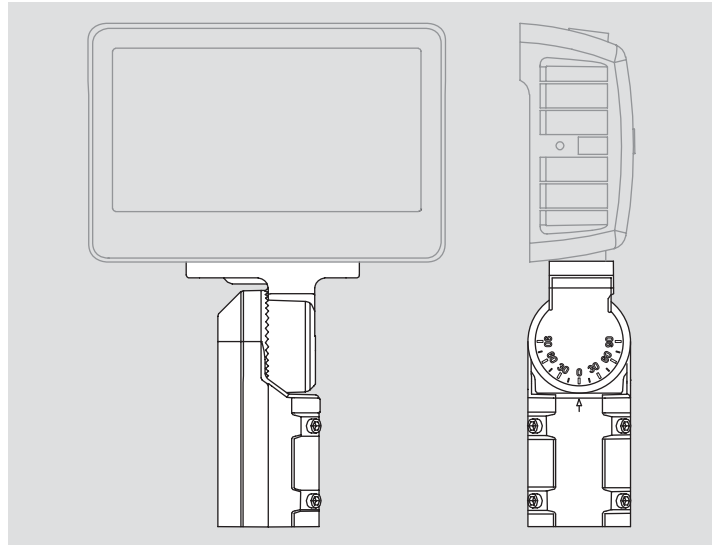
Catalog Number	Wattage	Lumens	Dimming	CCT	Efficacy	CRI	Input Voltage	Mounting	Photocell	Housing Color	Rated Life	Legacy Equivalent
FL-LED-R1A-15-8CSB-KY	15W	1920 lm	0–10V	3000K	128 lm/W	>80	120–277V	Universal: 1/2" Knuckle or yoke; Ground- or building-mount		Bronze	50,000 hrs	70W MH
		2175 lm		4000K	145 lm/W							
		2100 lm		5000K	140 lm/W							
FL-LED-R1A-35-8CSB-KY	35W	4480 lm		3000K	128 lm/W			Universal: 1/2" Knuckle or yoke; Ground- or building-mount		White		150–175W MH
		5075 lm		4000K	145 lm/W							
		4900 lm		5000K	140 lm/W							
FL-LED-R1A-60-8CSB-KY	60W	7320 lm		3000K	128 lm/W			Universal: 1/2" Knuckle or yoke; Ground- or building-mount		Bronze		250 MH
		8580 lm		4000K	145 lm/W							
		8040 lm		5000K	140 lm/W							
FL-LED-R1A-75-8CSB-ST	75W	9150 lm	3000K	128 lm/W	Universal: 1/2" Knuckle or yoke; Ground- or building-mount	White	250–320W MH					
		10725 lm	4000K	145 lm/W								
		10050 lm	5000K	140 lm/W								
FL-LED-R1A-100-8CSB-ST	100W	12200 lm	3000K	122 lm/W	Universal: 1/2" Knuckle or yoke; Ground- or building-mount	Bronze	400W MH					
		14300 lm	4000K	143 lm/W								
		13400 lm	5000K	134 lm/W								

MOUNTING OPTIONS

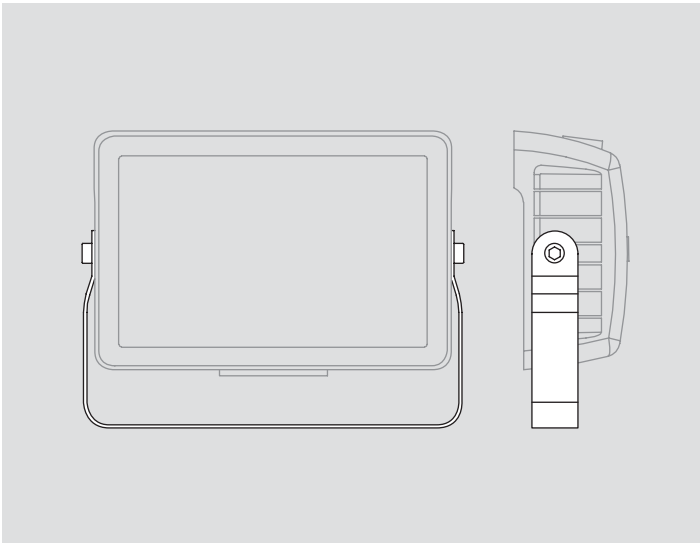
KNUCKLE MOUNT (15W; 35W; 60W flood light models)



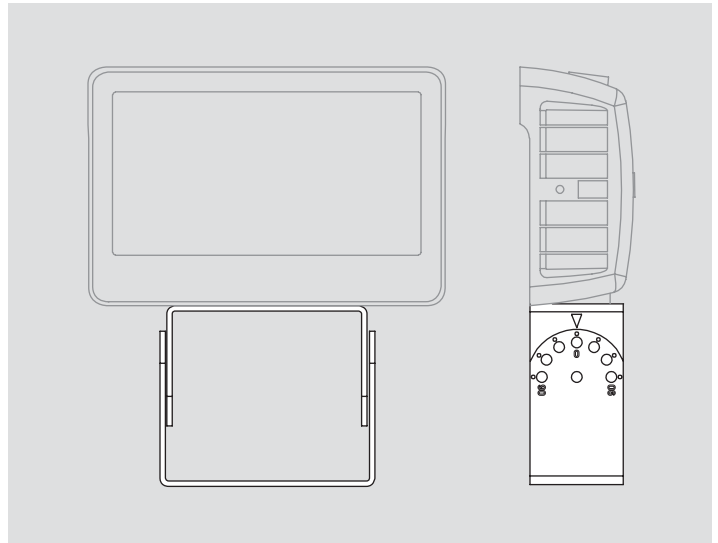
SLIP FITTER MOUNT (75W; 100W flood light models)



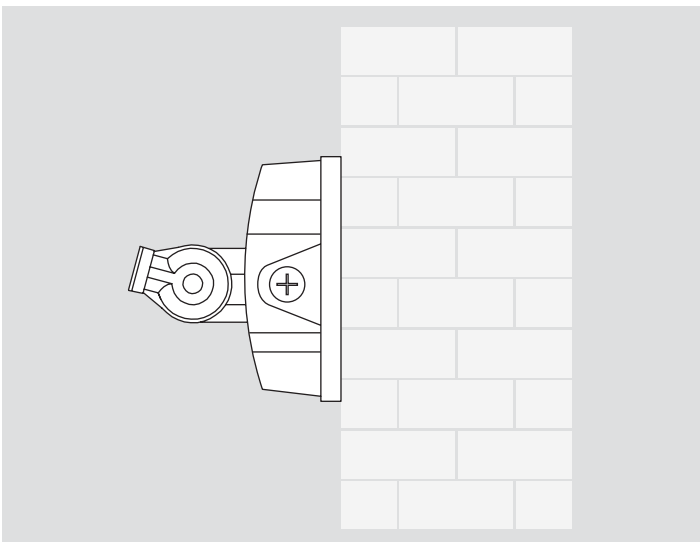
YOKE MOUNT (15W; 35W; 60W flood light models)



TRUNNION MOUNT (75W; 100W flood light models)

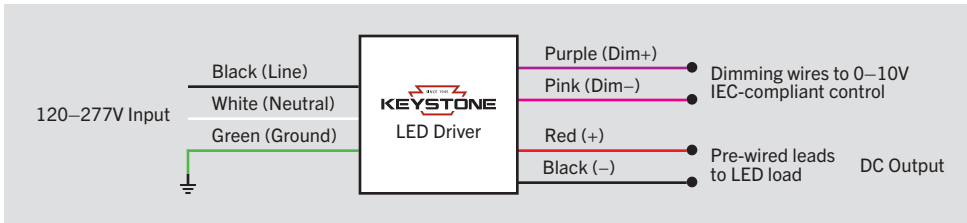


SURFACE / WALL MOUNT BOX (15W; 35W; 60W flood light models)



GENERAL SETUP INSTRUCTIONS

GENERAL WIRING DIAGRAM



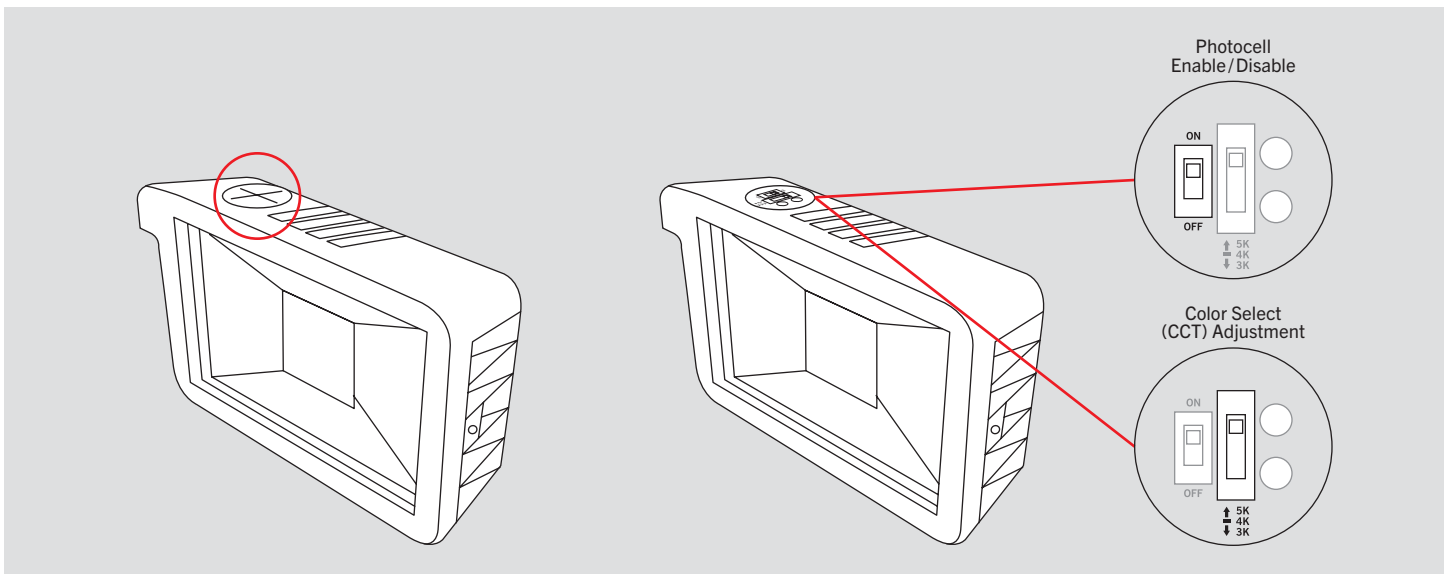
Note: *In accordance with NEC-20 410.69 2022, all 0-10V negative wires have been updated from gray to pink. Please contact Keystone for details

PHOTOCELL ENABLE/DISABLE

This fixture is equipped with a dusk-to-dawn photocell behind the translucent knock-out (KO) cover. Adjust the dip switch to enable (ON) or disable (OFF) the photocell function (see illustrations below). Fixture comes preset with photocell enabled unless otherwise noted.

COLOR SELECT (CCT) ADJUSTMENT

This fixture is equipped with Color Select technology. There is an adjustable dip switch behind the translucent knock-out (KO) cover to change CCT between 5000K, 4000K, and 3000K (see illustrations below). Fixture comes preset at 5000K unless otherwise noted.



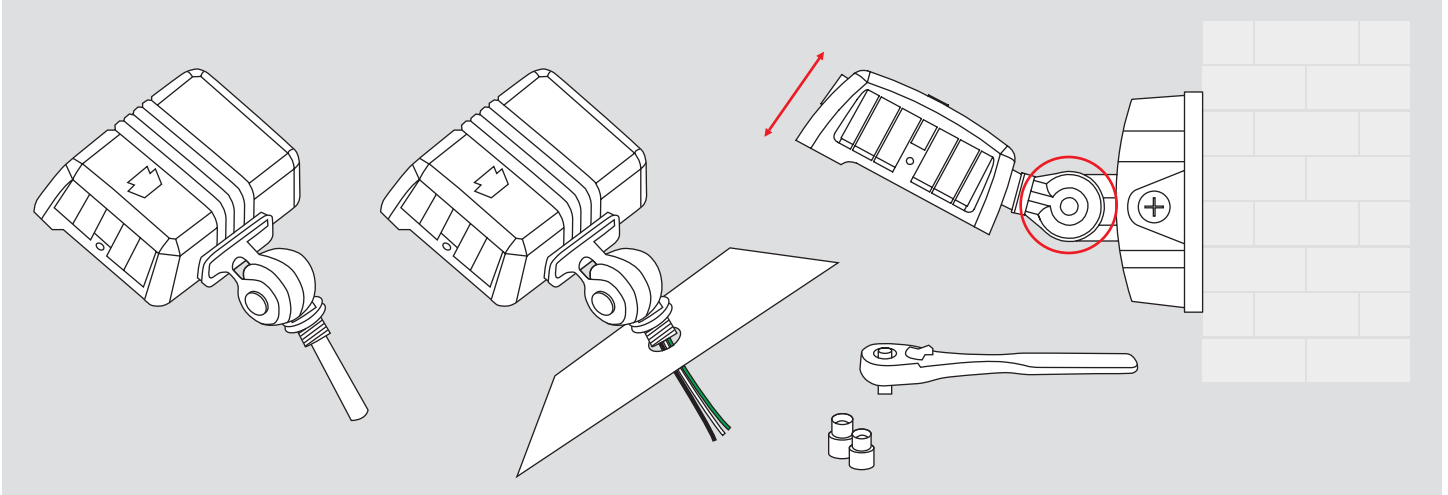
INSTALLATION INSTRUCTIONS

GENERAL THREADED KNUCKLE MOUNT (Available on 15W, 35W, and 60W flood lights)

- Insert threaded knuckle into compatible 1/2" NPS hole on compatible mounting apparatus/cover. Tighten locknut and ensure that rubber O-ring is fully compressed against cover.
- Seal the arm thread with Teflon tape or a silicone sealant.
- Complete wiring to input power wires (see **General Wiring Diagram** on page 4).
- To adjust tilt angle of the fixture, adjust hardware using an M6 socket and wrench.
(see illustrations below)

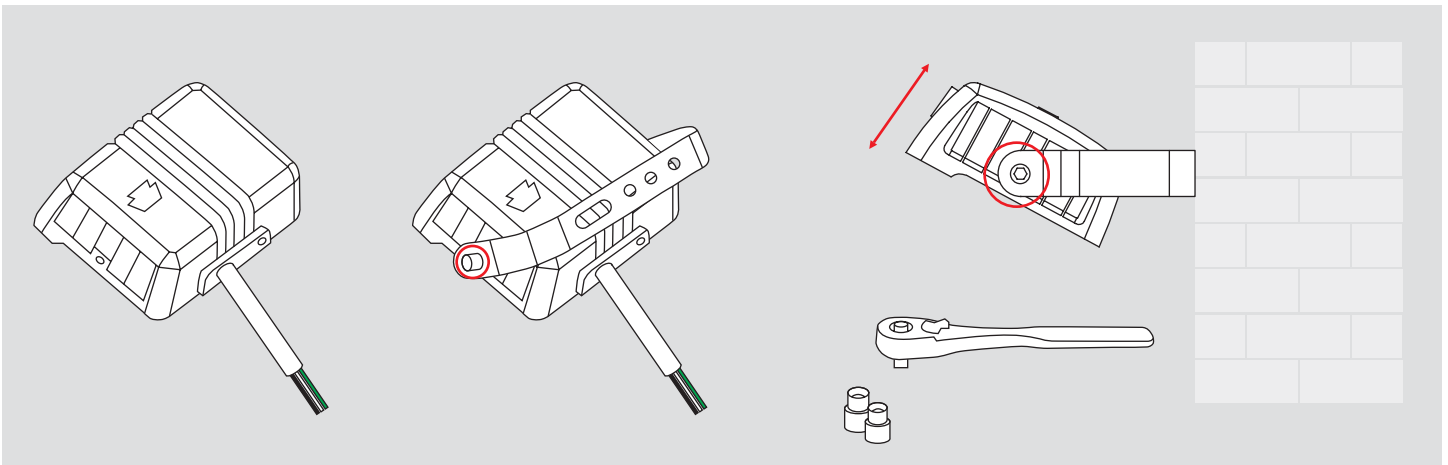
Related Accessories (sold separately)

Catalog Number	Description
KT-FLED-RC-4	4" Round Flood Light Junction Box Cover (Bronze)
KT-FLED-RC-4-W	4" Round Flood Light Junction Box Cover (White)



YOKE MOUNT (Available on 15W, 35W, and 60W flood lights)

- Remove pre-installed knuckle mount hardware using M5 and M6 socket and wrench.
- Mount the yoke mount bracket to the fixture with an M4 (for 15W) or M5 (for 35W, 60W) socket and wrench using supplied hardware.
- Mount fixture to desired bracketry and/or building fixture using suitable fasteners for the application: bolts, lockwashers, and nuts (not supplied).
- Fixture includes a 19" long 18AWG power supply cord. If final wiring is to be outdoors, a UL Listed watertight cord connector, suitable for use with wet location flexible cord (not supplied), is required for installation onto a wet-location outdoor junction box. Connector should be sealed with Teflon tape or a silicone sealant at entry to junction box. *Note:* to reduce risk of water entry, install cord connector so that the power cord faces the ground within the junction box.
- Complete wiring to input power wires (see **General Wiring Diagram** on page 4).
- To adjust tilt-angle of fixture, loosen hardware on both sides of the yoke using an M4 (for 15W) or M5 (for 35W, 60W) socket and wrench. Re-tighten screws to secure desired position.
(see illustrations below)



(Installation Instructions continued on next page)

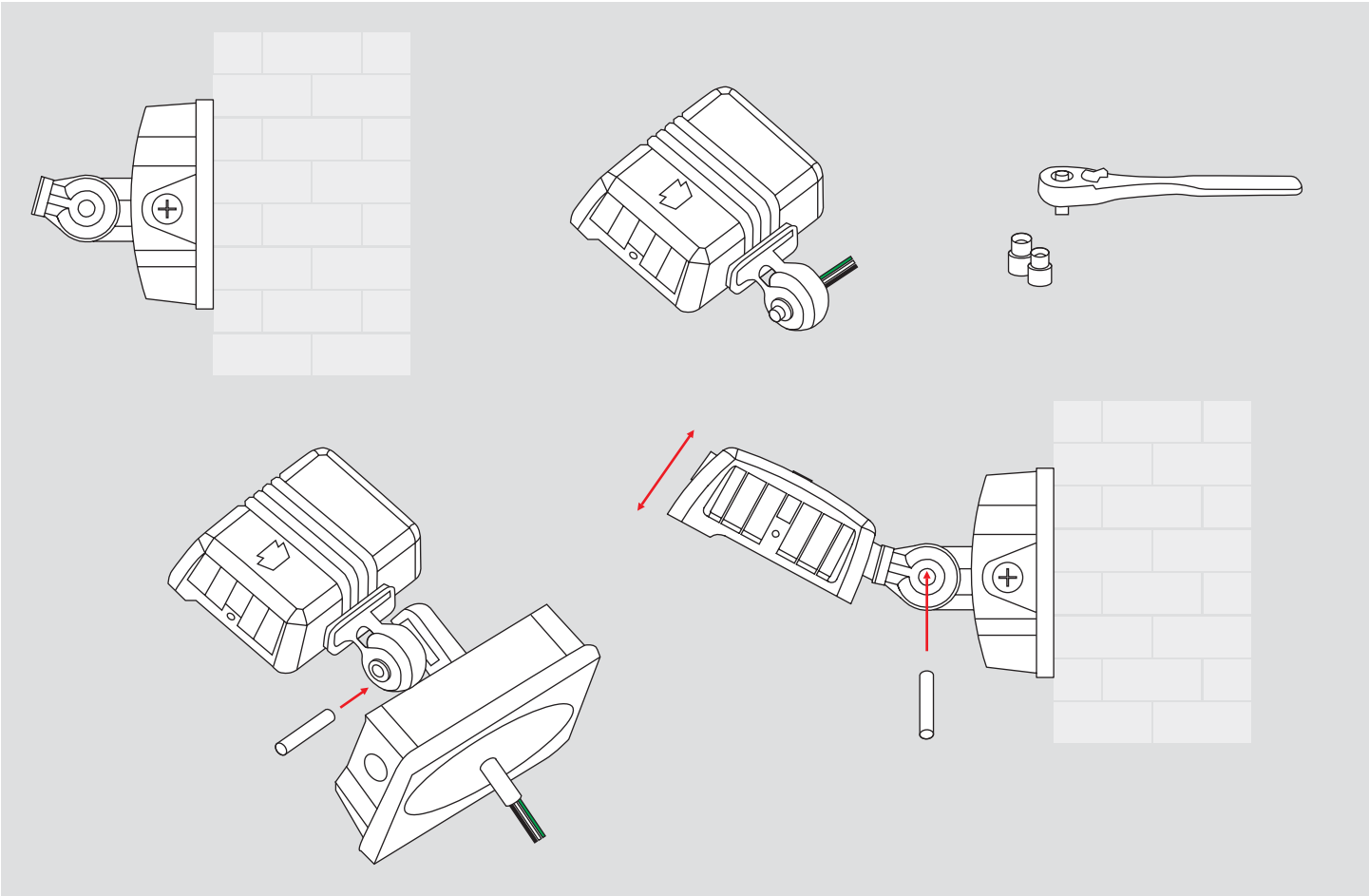
INSTALLATION INSTRUCTIONS (continued)

Surface/Wall Mount Box (Available on 15W, 35W, and 60W flood lights)

- Mount the wall-mount box to desired location using suitable fasteners for the application: bolts, lockwashers, and nuts (not supplied).
- Ensure that box mounting is properly sealed with silicone sealant to maintain watertight operation of the enclosure.
- Remove lower portion of pre-installed knuckle mount hardware using M6 socket and wrench.
- Secure fixture to mating knuckle assembly on the wall mount box.
- To adjust the tilt angle of the flood light, loosen the 8*40 socket-head screw on the rotating knuckle above the wall mount assembly and adjust the angle of the fixture as desired. 15-degree indicators are on the fixture for reference.
- Tighten screw when set to final position.
(see illustrations below)

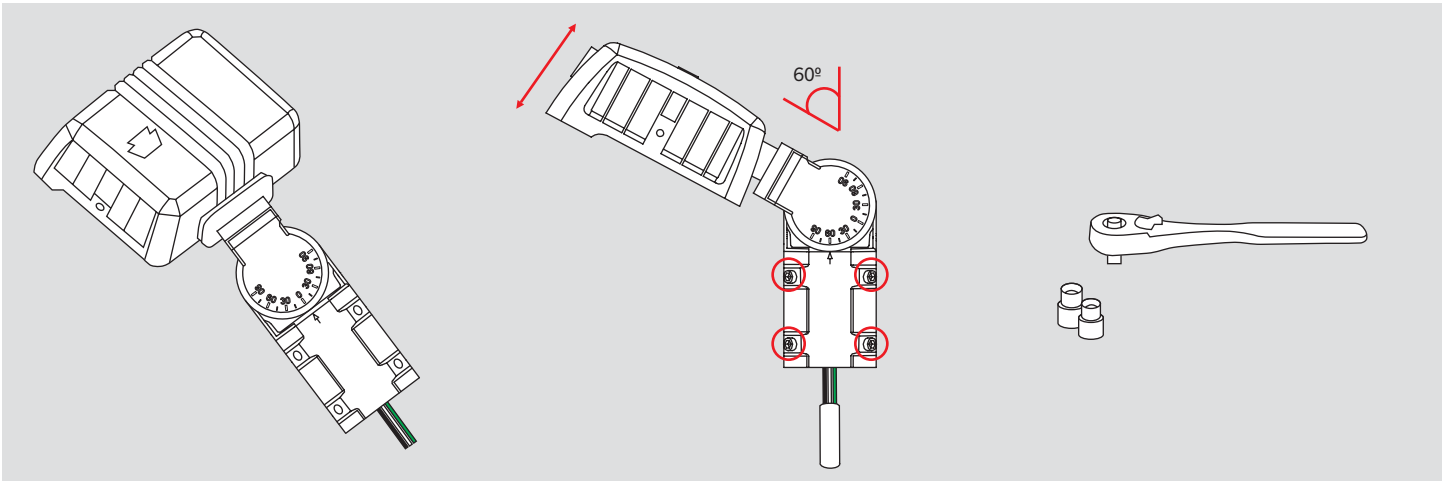
Related Accessory (sold separately)

Catalog Number	Description
KT-FLED-SM-1-KIT	Keystone Wall-Mount Box

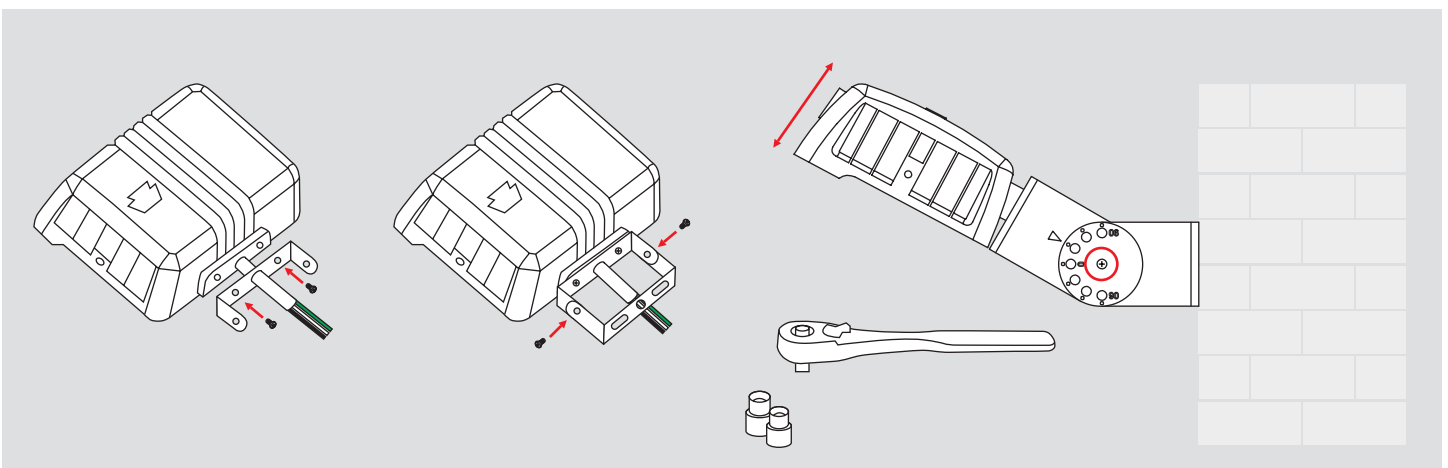


SLIP FITTER MOUNT (Available on 75W, 100W flood lights)

- The slip fitter mounting fits a standard 2-3/8" OD tenon.
- Feed supply wires from tenon to slip fitter and make all necessary connections in the slip fitter, ensuring proper strain-relief for wiring.
- Complete wiring to input power wires (see **General Wiring Diagram** on page 4).
- Place the slip fitter over the tenon and secure the fixture with the (4) M8-30 set-screws on the side of the slip fitter. Ensure that all 4 set-screws are fully tightened for application security.
- Adjust the tilt-angle of the flood light by loosening the M10-45 socket head screw on the rotating knuckle above the slip fitter assembly; 15-degree indicators are on the fixture for reference. Re-tighten socket-head screw when tilt-angle is correct. (see illustrations below)

**TRUNNION MOUNT** (Available on 75W, 100W flood lights)

- Remove pre-installed slip fitter hardware using M6 socket and wrench.
- Mount the trunnion mount bracket to the fixture with an M6 socket and wrench using supplied hardware.
- Mount fixture to desired bracketry and/or building fixture using suitable fasteners for the application: bolts, lockwashers, and nuts (not supplied).
- Fixture includes a 19" long 18AWG power supply cord. If final wiring is to be outdoors, a UL Listed watertight cord connector, suitable for use with wet location flexible cord (not supplied), is required for installation onto a wet-location outdoor junction box. Connector should be sealed with Teflon tape or a silicone sealant at entry to junction box. *Note:* to reduce risk of water entry, install cord connector so that the power cord faces the ground within the junction box.
- Complete wiring to input power wires (see **General Wiring Diagram** on page 4).
- To adjust tilt-angle of fixture, loosen hardware on both sides of the trunnion using an M6 socket and wrench. Re-tighten screws to secure desired position. (see illustrations below)



The installation must be carried out by a qualified electrician
