

HIGH POWER FLOODLIGHT

INSTALLATION INSTRUCTIONS

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

APPLICATION

Pole, ground, or structure mount outdoor illumination needs (including parking lots, auto dealerships, building facades, signs, recreational venues, and other general area lighting requirements)

SAFETY AND ELECTRICAL PARAMETERS

Caution:

1. Do not use electric generator to test fixture.
2. Abide by all local, state, and federal laws when installing fixture.
3. Do not install fixture when raining.
4. Please turn off the power before installation or maintenance. Proper grounding is required to ensure safety.

Caution:

1. To avoid electric shock or risk of fire, installation should be performed by a trained professional.
2. Wear gloves to avoid injury.
3. If you see smoke or fire, turn off power to fixture and request help from safety personnel.
4. This fixture is intended for use outdoors.

Caution:

1. This fixture is equipped with Keystone Power Select and Color Select technology.
2. This fixture is dimmable.
3. There are three dimming functions available.
 - (1) 0-10V dimming
 - (2) PWM signal dimming
 - (3) Keystone Power Select step dimming

COMPONENTS INCLUDED IN KIT

Part	Quantity
Floodlight	1
Instruction Sheet	1
Trunnion Mount	1
Adjustable Fitter Mount	1

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

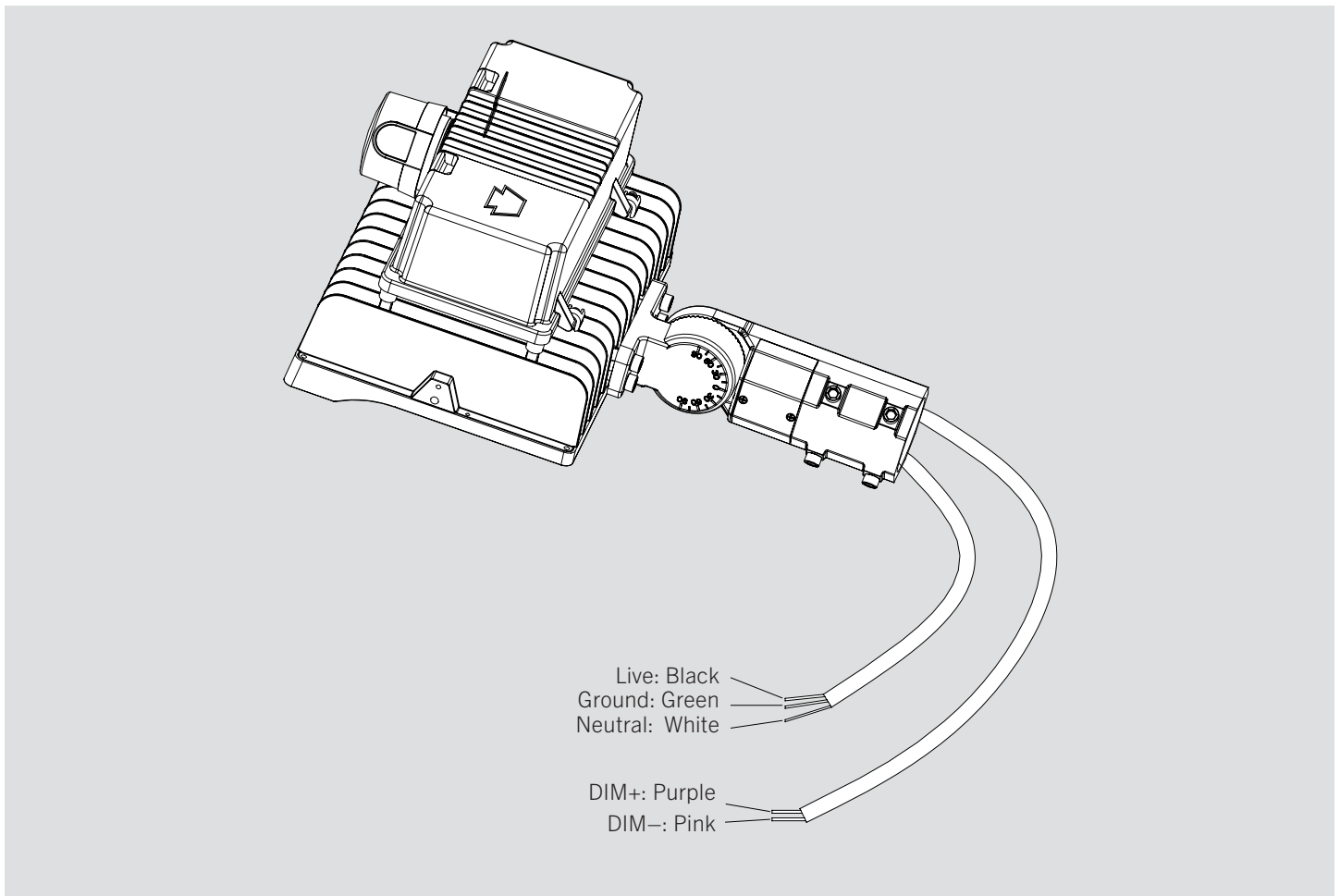
Caution: The electrical rating of this product may be either 120-277V or 277-480V. Installer must check fixture to confirm and ensure there is proper voltage at the site before installation.

ELECTRICAL SPECIFICATIONS

Catalog Number	Wattage	CCT	Lumens	Efficacy	Input Voltage	Housing Color	Optics Type	Dimming	CRI	Rated Life	Legacy Equivalent
KT-FLED140PS-R2B-UNV-8CSB-VDIM	140W	3000K	17,500	125 lm/W	120–277V	Bronze	7H x 6V	0–10V	>80	50,000 hrs	400W MH
		4000K	20,300	145 lm/w							
		5000K	18,900	135 lm/w							
	100W	3000K	13,500	135 lm/w			6H x 6V				
		4000K	15,500	155 lm/w							
		5000K	14,500	145 lm/w			5H x 5V				
KT-FLED140PS-R2B-UNV-8CSB-VDIM-W	140W	3000K	17,500	125 lm/w	120–277V	White	7H x 6V	0–10V	>80	50,000 hrs	400W MH
		4000K	20,300	145 lm/w							
		5000K	18,900	135 lm/w							
	100W	3000K	13,500	135 lm/w			6H x 6V				
		4000K	15,500	155 lm/w							
		5000K	14,500	145 lm/w			5H x 5V				
KT-FLED140PSHV-R2B-UNV-8CSB-VDIM	140W	3000K	17,500	125 lm/w	277-480V	Bronze	7H x 6V	0–10V	>80	50,000 hrs	400W MH
		4000K	20,300	145 lm/w							
		5000K	18,900	135 lm/w							
	100W	3000K	13,500	135 lm/w			6H x 6V				
		4000K	15,500	155 lm/w							
		5000K	14,500	145 lm/w			5H x 5V				
KT-FLED290PS-R2B-UNV-8CSB-VDIM	290W	3000K	34,800	120 lm/w	120–277V	Bronze	7H x 6V	0–10V	>80	50,000 hrs	1000W MH
		4000K	40,600	140 lm/w							
		5000K	37,700	130 lm/w							
	210W	3000K	27,300	130 lm/w			6H x 6V				
		4000K	29,400	140 lm/w							
		5000K	28,350	135 lm/w			5H x 5V				
KT-FLED290PS-R2B-UNV-8CSB-VDIM-W	290W	3000K	34,800	120 lm/w	120–277V	White	7H x 6V	0–10V	>80	50,000 hrs	1000W MH
		4000K	40,600	140 lm/w							
		5000K	37,700	130 lm/w							
	210W	3000K	27,300	130 lm/w			6H x 6V				
		4000K	29,400	140 lm/w							
		5000K	28,350	135 lm/w			5H x 5V				
KT-FLED290PSHV-R2B-UNV-8CSB-VDIM	290W	3000K	34,800	120 lm/w	277-480V	Bronze	7H x 6V	0–10V	>80	50,000 hrs	1000W MH
		4000K	40,600	140 lm/w							
		5000K	37,700	130 lm/w							
	210W	3000K	27,300	130 lm/w			6H x 6V				
		4000K	29,400	140 lm/w							
		5000K	28,350	135 lm/w			5H x 5V				

Note: Mounting options are universal: 2 3/8" Slip Fitter or Trunnion. Photocell included.

WIRING DIAGRAM



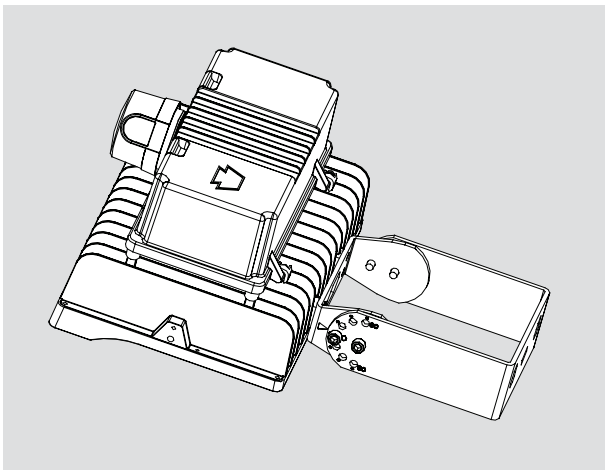
MOUNTING OPTIONS

Optional Brackets and Installation Instructions:

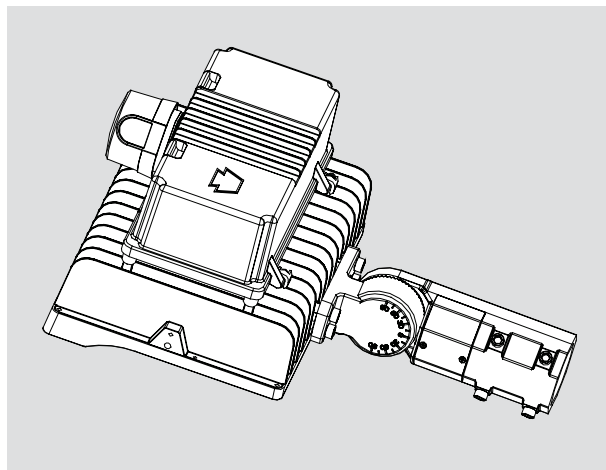
There are 2 mounting options for this fixture. Below is an image and instructions for each one.

Note: this fixture is pre-installed with the adjustable fitter mount.

TRUNNION MOUNT



ADJUSTABLE FITTER MOUNT



MOUNTING OPTIONS (continued)

TRUNNION MOUNT

Step 1: Remove the pre-installed adjustable fitter arm from the bracket.

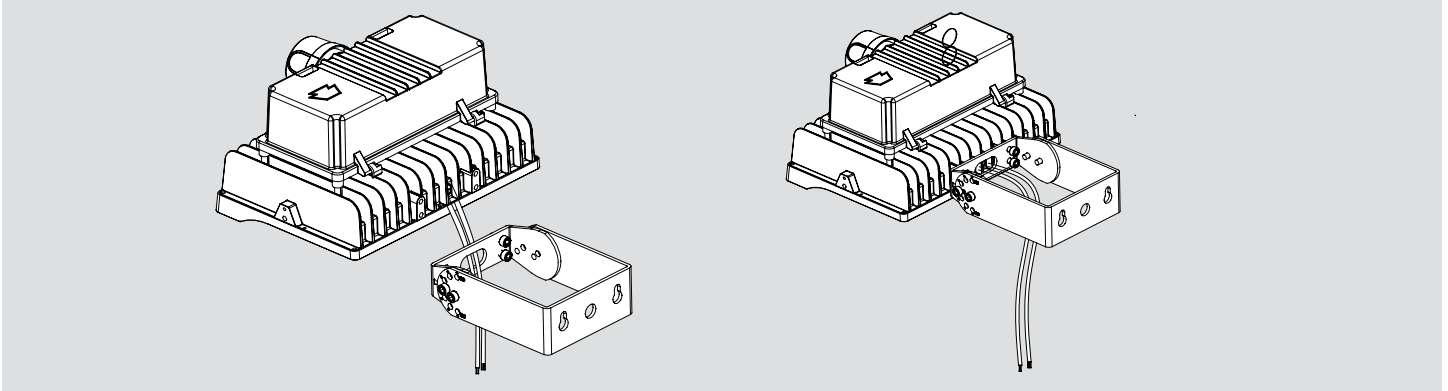
Step 2: Remove the adjustable fitter bracket from the fixing plate.

Step 3: Remove the rubber plug and fixing plate from the housing.

Step 4: Pass the input wire through the top of the trunnion.

Step 5: Affix the trunnion to the underside of the housing.

**Note: For Steps 1-3, refer to the images below under Adjustable Fitter Mount showing the arm, bracket, plate, and rubber plug.*



ADJUSTABLE FITTER MOUNT

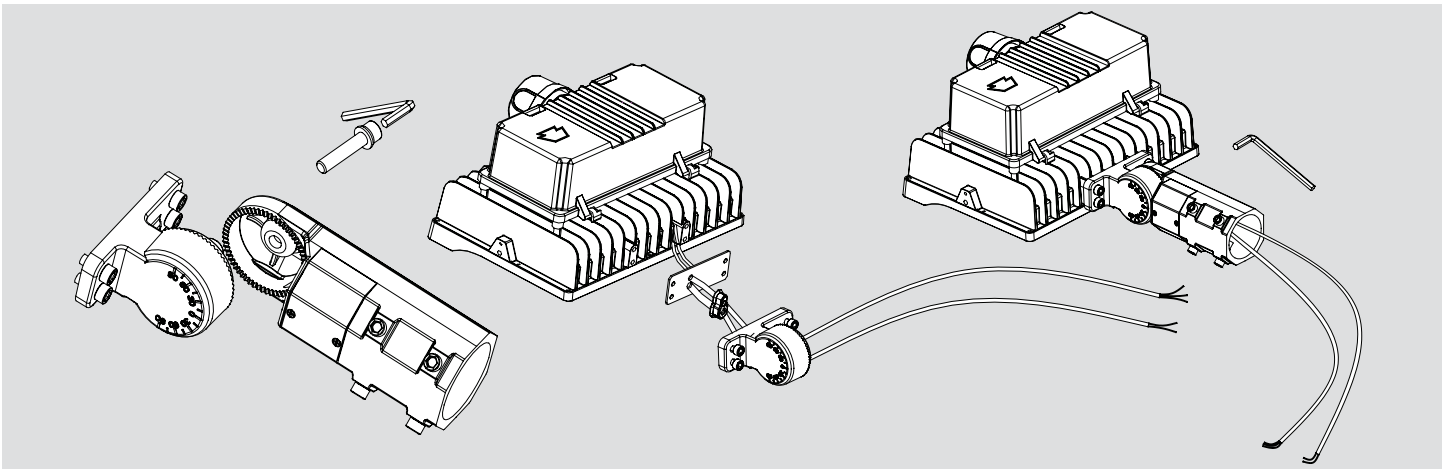
Note: this fixture is pre-installed with the adjustable fitter mount. Instructions for reference should mount need to be reattached after removal.

Step 1: Separate the slip fitter bracket from the arm.

Step 2: Pass the input wire through the fixing plate and the rubber plug.

Step 3: Pass the input wire through the slip fitter bracket.

Step 4: Pass the input wire through the slip fitter arm and reattach to the bracket.



INSTALLATION INSTRUCTIONS

TRUNNION MOUNTING:

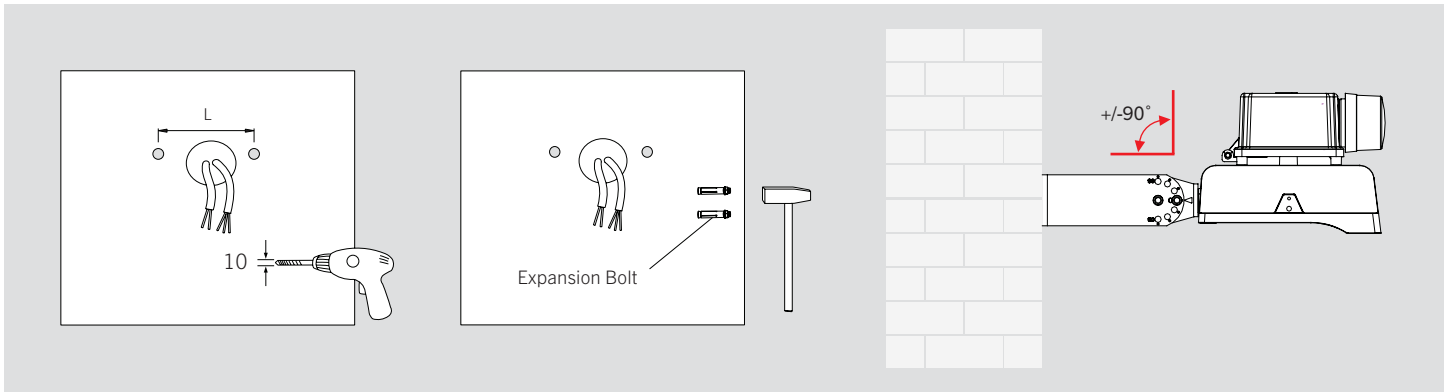
Step 1: Drill holes into desired location as shown.

Step 2: Mount fixture using suitable fasteners for application (i.e., bolts, lockwashers, and nuts -- not included).

Step 3: Connect wires properly and insert into junction box.

Step 4: Adjust tilt angle of fixture to desired setting by loosening hardware on both side of the trunnion. Once desired angle is chosen, tighten hardware to secure.

Note: if final wiring is to be outdoors, a UL listed water-tight cord connector (suitable for use in wet locations) is required for installation to a wet location junction box. Connector should be sealed with Teflon tape or a silicone sealant at entry. To reduce risk of water entry, install cord connector so that the power cord faces the ground within the junction box.

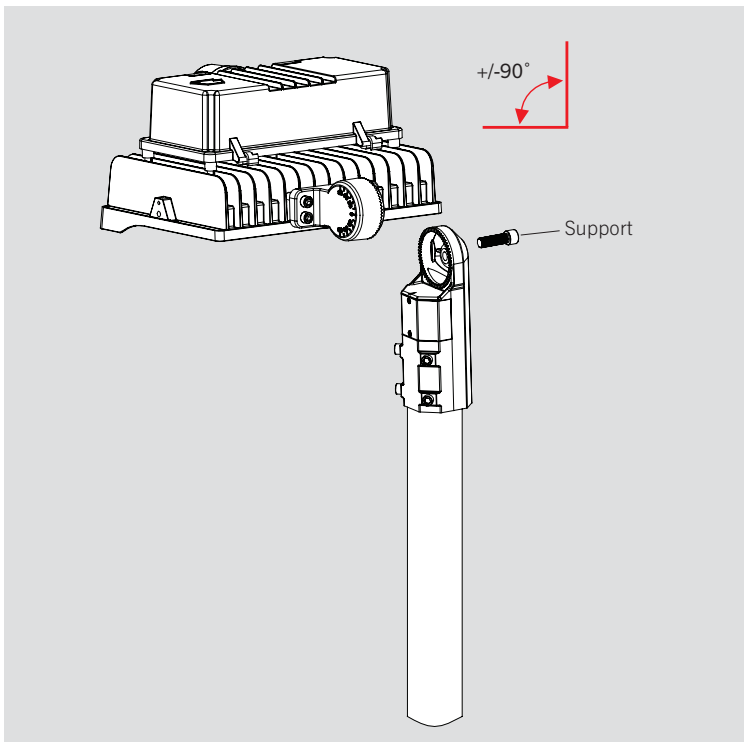


ADJUSTABLE FITTER MOUNTING:

Step 1: Feed supply wires from tenon to slip fitter and make all necessary connections, ensuring proper strain relief for wiring.

Step 2: Place the slip fitter over then tenon and secure to pole using proper hardware. Ensure all screws are tightened for security of application.

Step 3: Adjust tilt angle of fixture to desired setting by loosening the socket head screw on the rotating knuckle. Once desired angle is chosen, tighten hardware to secure.

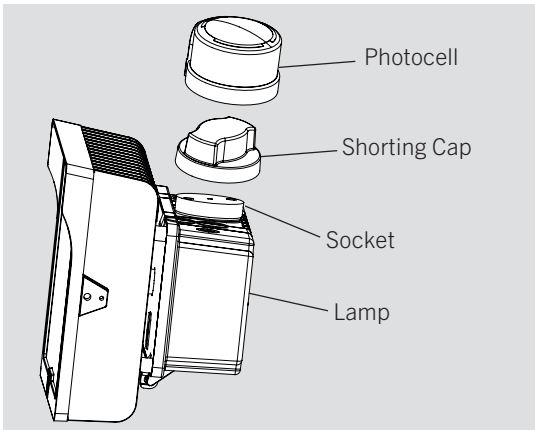


INSTALLATION INSTRUCTIONS (continued)

Photocell Instructions

This fixture comes with a 3-pin twist lock photocell accessory. This fixture is compatible with Keystone NEMA/ANSI C136.10-2010 3-pin twist lock photocells.

1. Ensure power is off to the fixture.
2. Remove existing twist lock shorting cap from receptacle.
3. Push the photocell onto the receptacle and twist clockwise to lock into place.
4. For optimal performance, install the photocell with sensor director facing North as indicated on the top of the accessory.
Adjust if necessary, while ensuring proper water-tight install.
5. Reconnect power when ready.

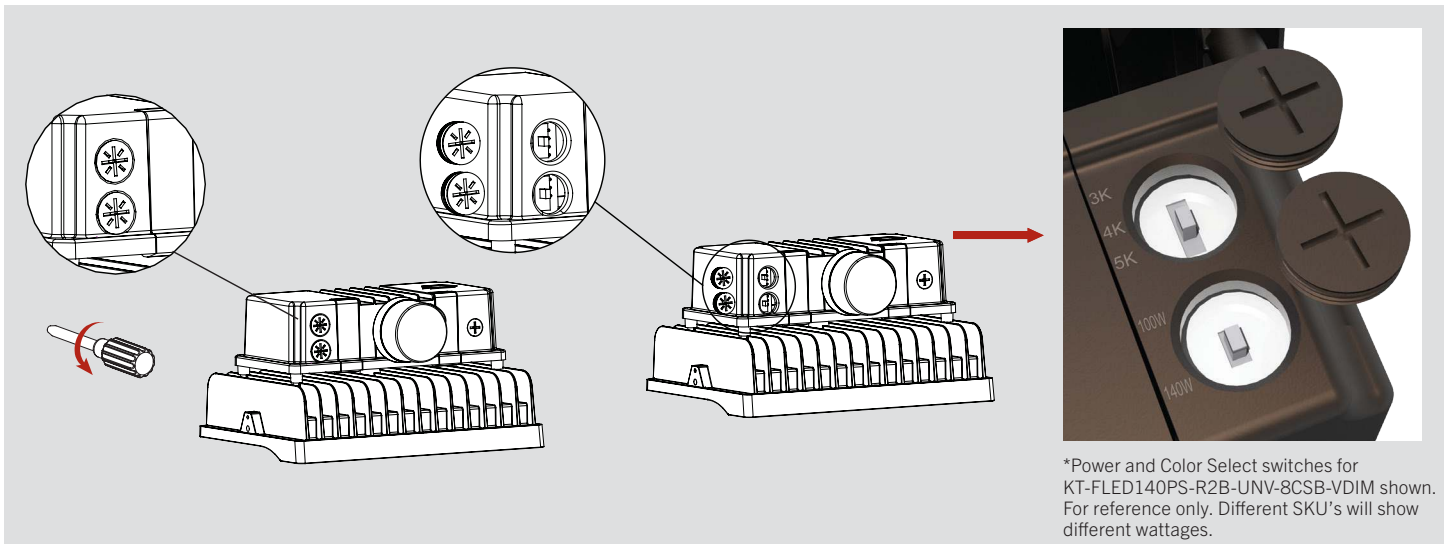


Color Select and Power Select Instruction

Step 1: Unscrew the gasketed caps from the back of the fixture as shown in the images below.

Step 2: Adjust wattage and/or CCT to desired setting.

Step 3: Screw on gasketed caps.

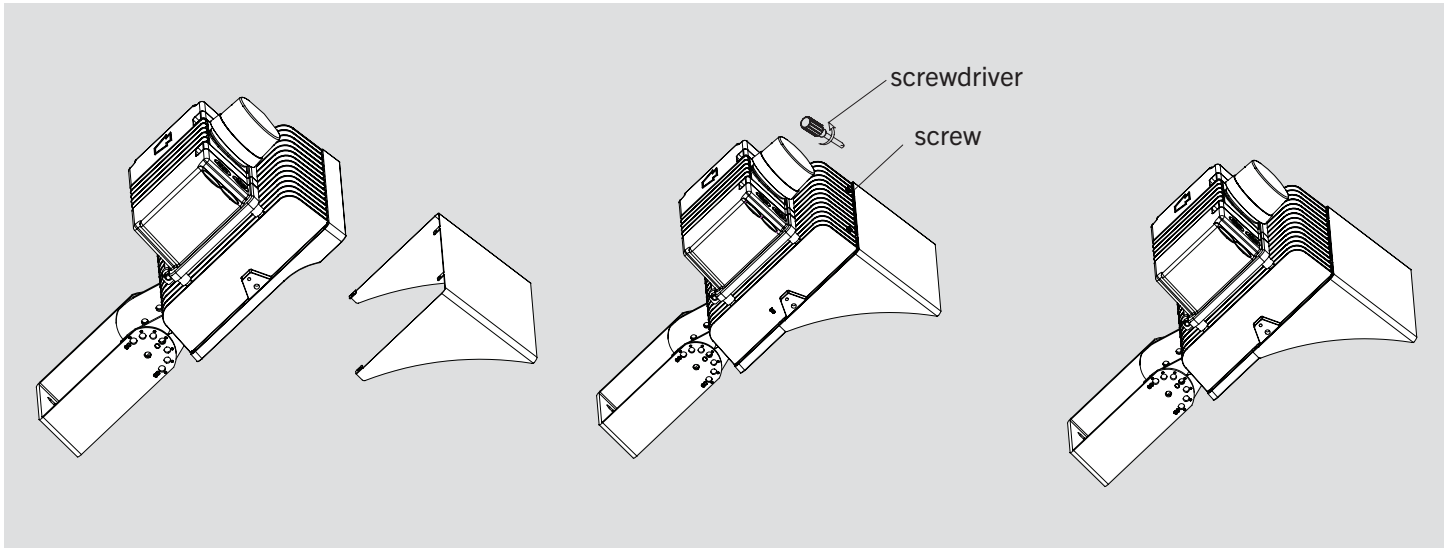


GLARE SHIELD INSTALLATION

Note: Glare shield accessory kit is sold separately.

Step 1: Align the screw holes on the glare shield to the holes on the back of the housing.

Step 2: Using the screws provided in the accessory kit, affix the glare shield to the housing. Ensure proper tightness before using fixture.



OPTIONAL ACCESSORIES (SOLD SEPARATELY)

Catalog Number	Description
KT-FLED-GS-R2-1-KIT	Glare shield for 140W floodlight
KT-FLED-GS-R2-2-KIT	Glare shield for 290W floodlight
KT-FLED-GS-R2-1-KIT-W	Glare shield for 140W floodlight, white finish
KT-FLED-GS-R2-2-KIT-W	Glare shield for 290W floodlight, white finish

SAVE THESE INSTRUCTIONS