



RAB X17 XFU 3-Way Field-Adjustable Floodlight Instruction Manual

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RAB[®]

**X17™ XFU 3-WAY FIELD-ADJUSTABLE FLOODLIGHT
SELECTABLE PHOTOCELL
INSTALLATION Manual**

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X17 XFU 3-Way Field-Adjustable Floodlight

RAB Lighting is committed to creating high-quality, affordable, well-designed and energy-efficient LED lighting and controls that make it easy for electricians to install and end users to save energy. We'd love to hear your comments. Please call the Marketing Department at 888-RAB-1000 or email: marketing@rablighting.com



X17 XFU 35/25/15W Knuckle

IMPORTANT

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

RAB fixtures must be wired in accordance with the National Electrical Code and all applicable local codes. Proper grounding is required for safety. THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

WARNING: Make certain power is OFF before installing or maintaining fixture. No user serviceable parts inside.

WARNING: Do not use an electric generator to test LED fixtures.

WARNING: Min 75°C SUPPLY CONDUCTORS.

KNUCKLE MOUNT

To ensure weatherproof seal, apply weatherproof silicone sealant around the edge of the junction box (not supplied). This is especially important with an uneven wall surface.

1. Secure the fixture to a 1/2" NPS hole in the junction box or landscape post as shown in Fig. 1. Seal arm thread using Teflon® tape or silicone sealant.
2. Make appropriate wire connections per NEC in an approved enclosure (not included) see Fig. 5.
3. The Knuckle Arm allows 180° of vertical aiming adjustment depending on the mounting position as shown in Fig. 2.

FIELD ADJUSTMENT

Follow instructions below to change fixture Power (W) or Color Temperature (CCT) from the factory settings and Photocell On/Off option.

Factory Settings: 4000K and 35W

1. Remove Selector Switch Caps by turning counterclockwise using a flat head screwdriver (Fig. 3).
2. Locate the Selector Switches on the fixture (Fig. 4).
3. Select Power (W) and Color Temperature (CCT) by sliding the respective switch to the desired value.
4. Select Photocell On/Off option by sliding respective switch to the desired value.

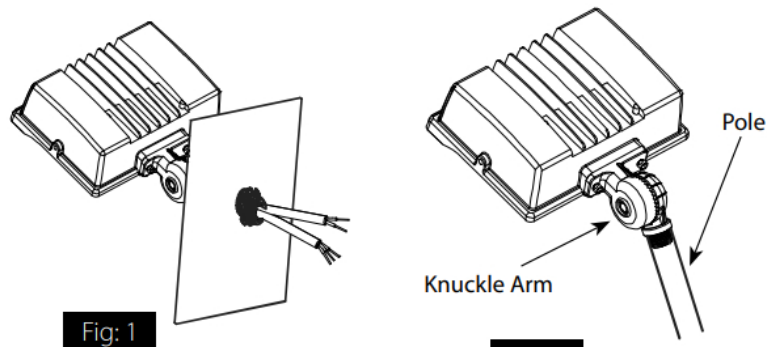


Fig: 1

Fig: 2

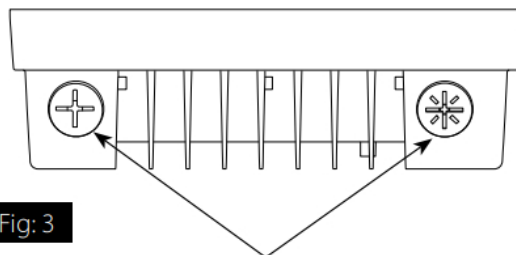


Fig: 3

Selector Switch Caps

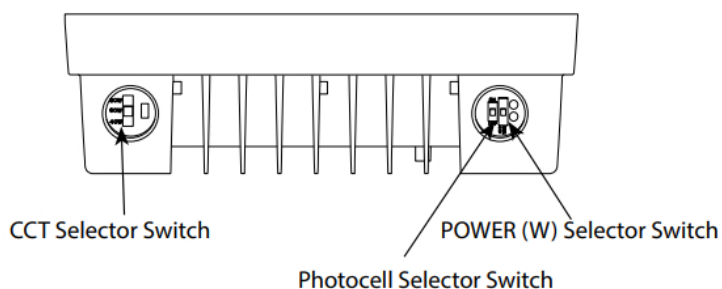


Fig: 4

0-10V DIMMABLE WIRING

Universal voltage driver permits operation at 120V thru 277V, 50 or 60 Hz. For 0-10 Dimming, follow the wiring directions as shown in Fig. 5.

1. Connect the black/brown fixture lead to the LINE supply lead.
2. Connect the white/blue fixture lead to the COMMON supplylead.
3. Connect the green/yellow wire from fixture to supply ground. Do NOT connect the GROUND of the dimming fixture to the output.
4. Connect the purple fixture lead to the DIM V+ lead.
5. Connect the pink/gray fixture lead to the DIM V- lead.
6. Cap the yellow fixture lead, if present. Do NOT connect.

CLEANING & MAINTENANCE

CAUTION: Be sure fixture temperature is cool enough to touch.
Do not clean or maintain while fixture is energized.

1. Clean glass lens with non-abrasive glass cleaning solution.
2. Do not open the fixture to clean the LED. Do not touch the LED.

TROUBLESHOOTING

1. Is the fixture grounded properly?
2. It is recommended that gloves be worn to avoid injury during installation.
3. If any smoke or spark, please turn off the power immediately.

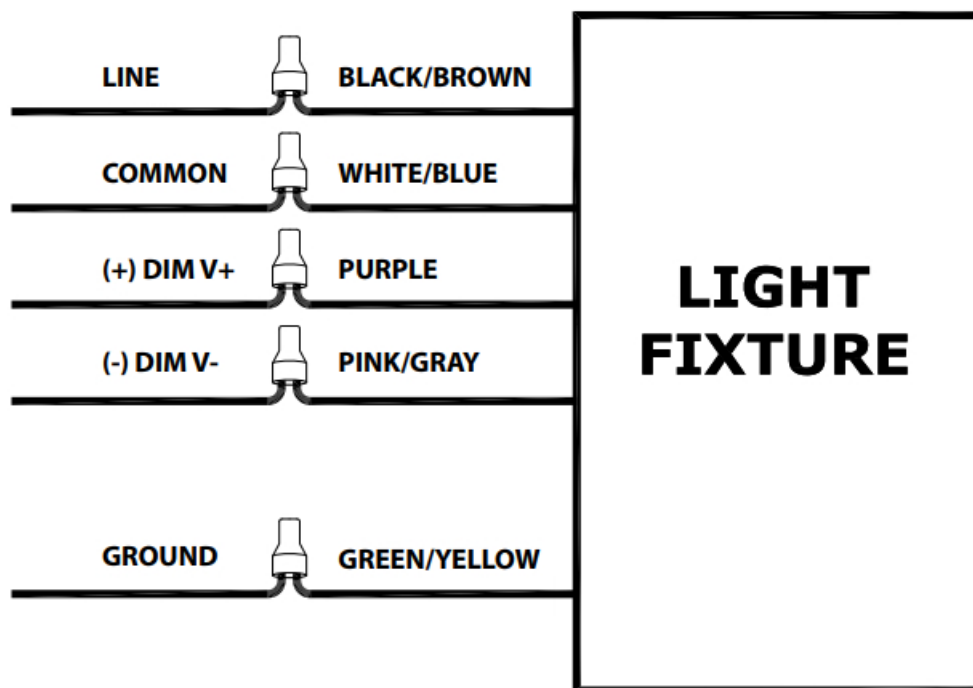


Fig: 5

Note: These instructions do not cover all details or variations in equipment nor do they provide for every possible situation during installation, operation or maintenance.



X17 XFU 60/50/30W Knuckle



X17 XFU 60/50/30W Trunnion



X17 XFU 60/50/30W Slipfitter

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WARNING: Do not use an electric generator to test LED fixtures.

WARNING: Min 75°C SUPPLY CONDUCTORS.

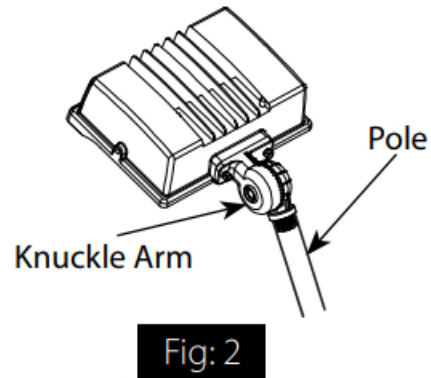
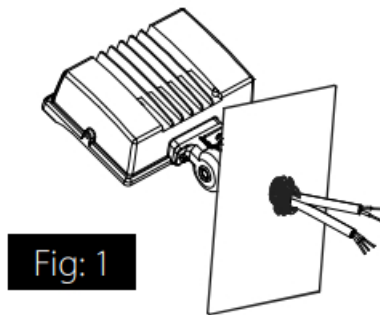
KNUCKLE MOUN

To ensure weatherproof seal, apply weatherproof silicone sealant around the edge of the junction box (not supplied). This is especially important with an uneven wall surface.

1. Secure the fixture to a 1/2" NPS hole in the junction box or landscape post as shown in Fig. 1. Seal arm thread

using Teflon® tape or silicone sealant.

2. Make appropriate wire connections per NEC in an approved enclosure (not included) see Fig. 7.
3. The Knuckle Arm allows 180° of vertical aiming adjustment depending on the mounting position as shown in Fig. 2.



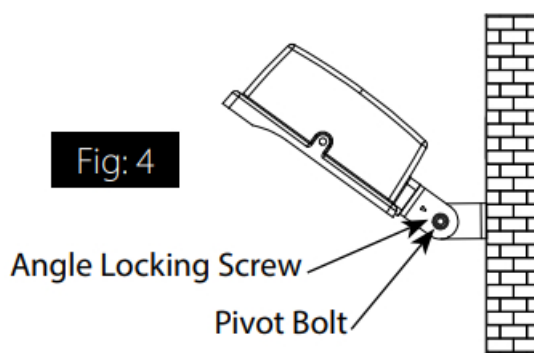
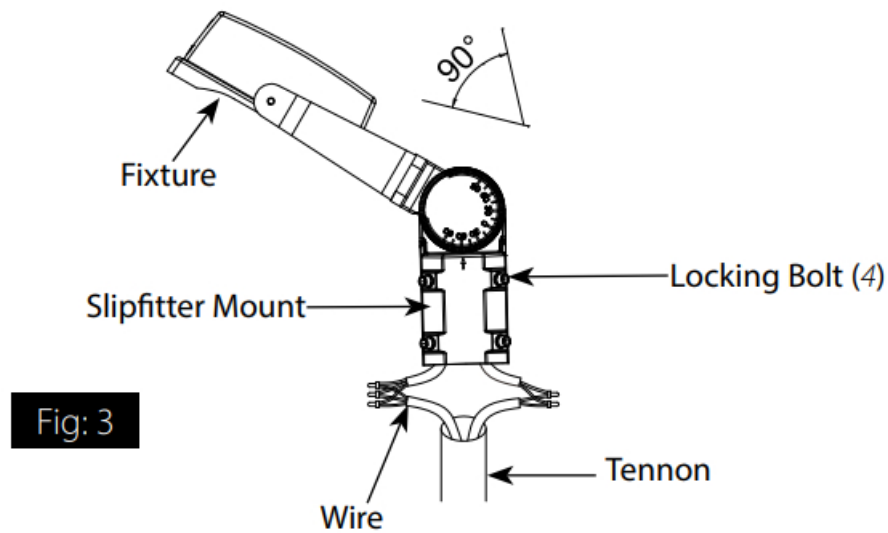
TRUNNION MOUNT

To adjust the angle of the Fixture using the Trunnion (Fig. 4):

1. Loosen the Pivot Bolts and Angle Locking Screws.
2. Make appropriate wire connections per NEC in an approved enclosure (not included) see Fig. 7.
3. Adjust fixture to desired angle.
4. Tighten Pivot Bolts and Angle Locking Screw.

SLIPFITTER MOUNT

1. Place the Slipfitter over the Tenon and secure the Fixture with the Locking Bolts (4) on the side of the Slipfitter as shown in Fig. 3.
2. Make appropriate wire connections per NEC in an approved enclosure (not included) see Fig. 7.
3. Loosen the Locking Bolts (4) and swivel Fixture to desired angle.
4. Tighten the Locking Bolts (4).



FIELD ADJUSTMENT

Follow instructions below to change fixture Power (W) or Color Temperature (CCT) from the factory settings and Photocell On/Option.

Factory Settings: 4000K and 60W.

1. Remove Selector Switch Caps by turning counterclockwise using a flat head screwdriver (Fig. 5).
2. Locate the Selector Switches on the fixture (Fig. 6).
3. Select Power (W) and Color Temperature (CCT) by sliding the respective switch to the desired value.
4. Select Photocell On/Off option by sliding respective switch to the desired value.
5. Replace Selector Switch Caps and tighten with a flat head screwdriver.

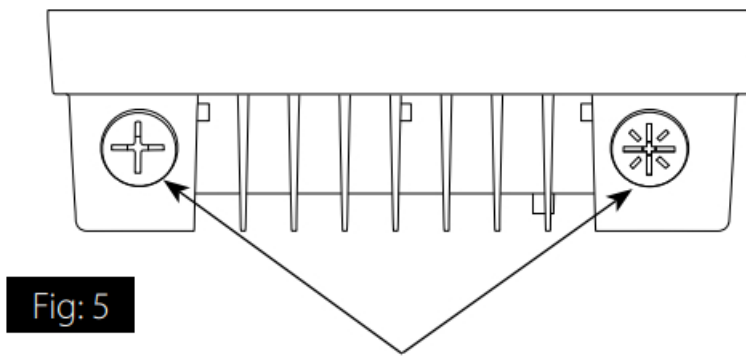


Fig: 5

Selector Switch Caps

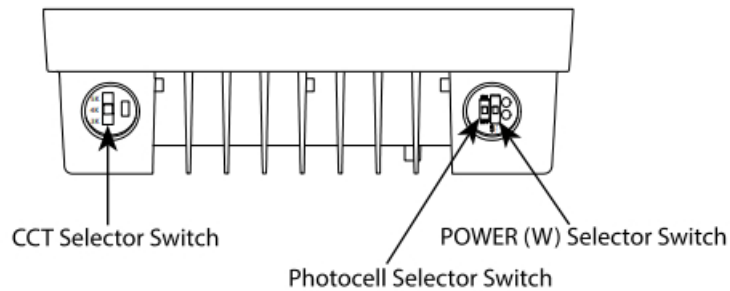


Fig: 6

Note: These instructions do not cover all details or variations in equipment nor do they provide for every possible situation during installation, operation or maintenance.

0-10V DIMMABLE WIRING

Universal voltage driver permits operation at 120V thru 277V, 50 or 60 Hz. For 0-10 Dimming, follow the wiring directions as shown in Fig. 7.

1. Connect the black/brown fixture lead to the LINE supply lead
2. Connect the white/blue fixture lead to the COMMON supply lead.
3. Connect the green/yellow wire from fixture to supply ground Do NOT connect the GROUND of the dimming fixture to the output.
4. Connect the purple fixture lead to the DIM V+ lead.
5. Connect the pink/gray fixture lead to the DIM V- lead.
6. Cap the yellow fixture lead, if present. Do NOT connect.

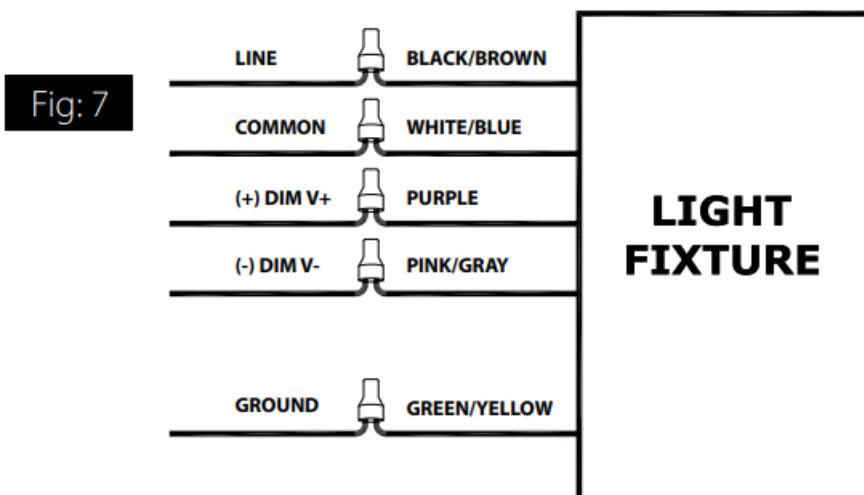


Fig: 7

CLEANING & MAINTENANCE

CAUTION: Be sure fixture temperature is cool enough to touch. Do not clean or maintain while fixture is energized.

1. Clean glass lens with non-abrasive glass cleaning solution.
2. Do not open the fixture to clean the LED. Do not touch the LED.

TROUBLESHOOTING

1. Is the fixture grounded properly?
2. It is recommended that gloves be worn to avoid injury during installation.
3. If any smoke or spark, please turn off the power immediately.



X17 XFU 80/60/40W Knuckle



X17 XFU 80/60/40W Trunnion

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WARNING: Do not use an electric generator to test LED fixtures.

WARNING: Min 75°C SUPPLY CONDUCTORS.

KNUCKLE MOUNT

To ensure weatherproof seal, apply weatherproof silicone sealant around the edge of the Junction Box (not supplied). This is especially important with an uneven wall surface.

1. Secure the fixture to a 1/2" NPS hole in the junction box or landscape post as shown in Fig. 1. Seal arm thread using Teflon® tape or silicone sealant.
2. Make appropriate wire connections per NEC in an approved enclosure (not included) see Fig. 9.
3. The Knuckle Arm allows 180° of vertical aiming adjustment depending on the mounting position as shown in Fig. 2. M6*16 socket head screws

Fig: 1

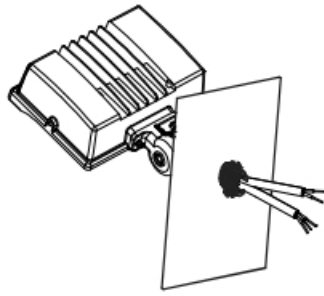


Fig: 2

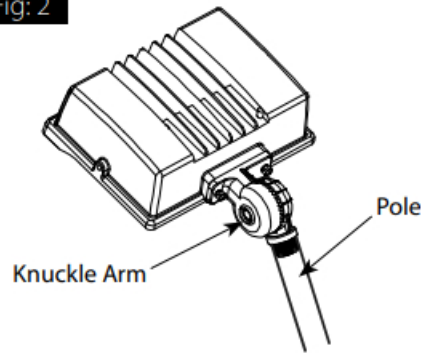


Fig: 3

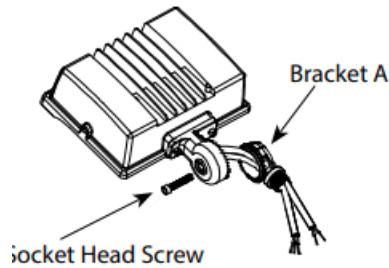


Fig: 4

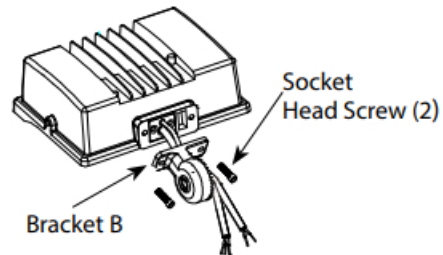


Fig: 5

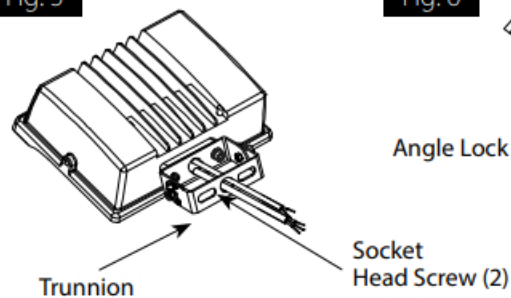
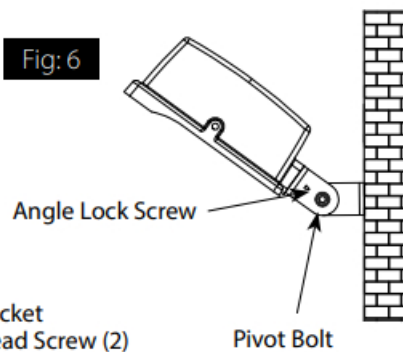


Fig: 6



TRUNNION MOUNT

Trunnion Mount accessory included.

To Install the Trunnion:

1. Remove the pre-installed Knuckle Mount by loosening the Socket Head Screw and removing Bracket A as shown in Fig. 3.
2. Loosen 2 Socket Head Screws to remove Bracket B as shown in Fig. 4.
3. Insert Fixture wires through the Trunnion and align with Fixture screw holes. Secure the Trunnion to the Fixture by tightening 2 Socket Head Screws as shown in Fig. 5.

TRUNNION MOUNT CONT.

To adjust the angle of the fixture using the Trunnion (Fig. 6).

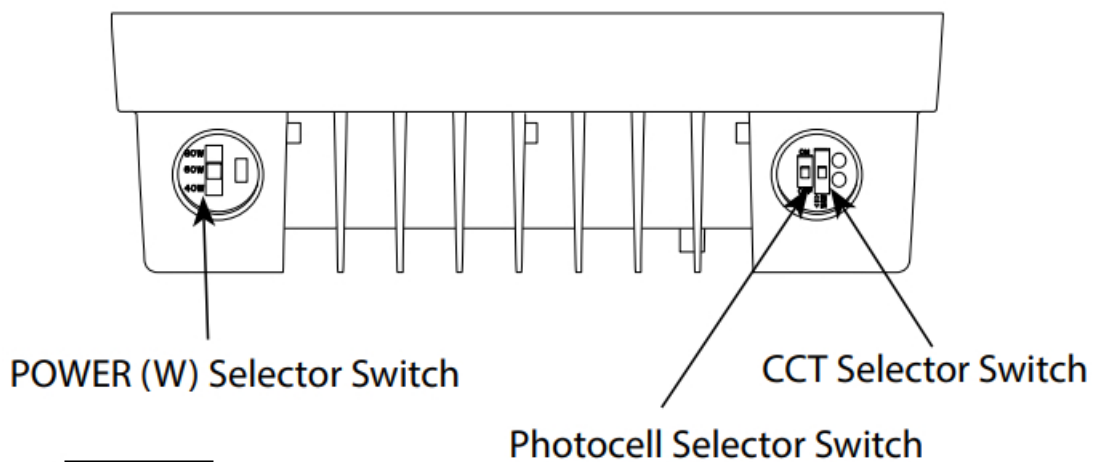
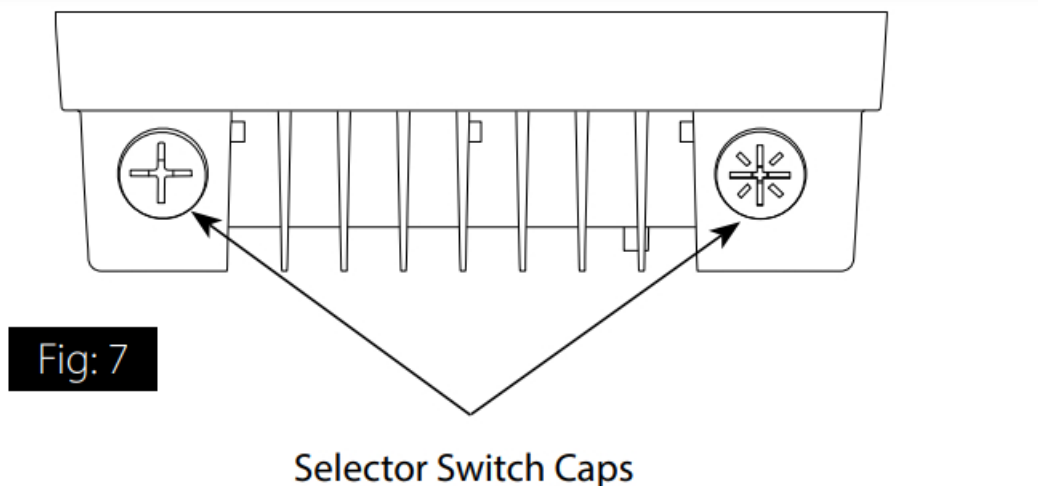
1. Loosen the Pivot Bolts and Angle Locking Screws.
2. Make appropriate wire connections per NEC in a approved enclosure (not included) see Fig 9.
3. Adjust Fixture to desired angle (Fig. 6).
4. Tighten Pivot Bolts and Angle Locking Screws.

FIELD ADJUSTMENT

Follow instructions below to change fixture Power (W) or Color Temperature (CCT) from the factory settings and Photocell On/Off option.

Factory Settings: 4000K and 60W

1. Remove Selector Switch Caps by turning counterclockwise using a flat head screwdriver (Fig. 7).
2. Locate the Selector Switches on the fixture (Fig. 8).
3. Select Power (W) and Color Temperature (CCT) by sliding the respective switch to the desired value.
4. Select Photocell On/Off option by sliding respective switch to the desired value.

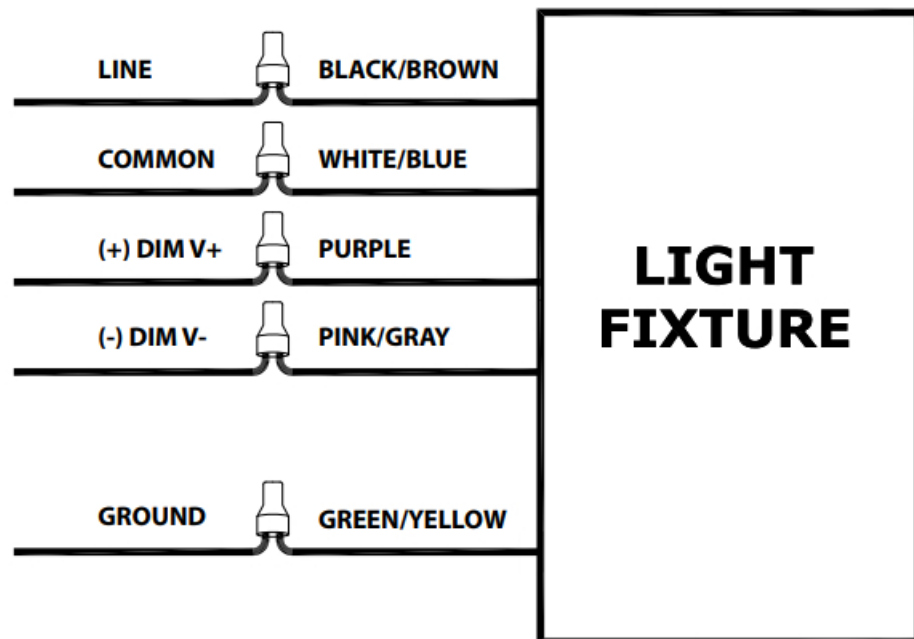


0-10V DIMMABLE WIRING

Universal voltage driver permits operation at 120V thru 277V, 50 or 60 Hz. For 0-10 Dimming, follow the wiring directions as shown in Fig. 9.

1. Connect the black/brown fixture lead to the LINE supply lead.
2. Connect the white/blue fixture lead to the COMMON supply lead.
3. Connect the green/yellow wire from fixture to supply ground. Do NOT connect the GROUND of the dimming fixture to the output.
4. Connect the purple fixture lead to the DIM V+ lead.
5. Connect the pink/gray fixture lead to the DIM V- lead.
6. Cap the yellow fixture lead, if present. Do NOT connect.

Fig: 9



CLEANING & MAINTENANCE

CAUTION: Be sure fixture temperature is cool enough to touch.
Do not clean or maintain while fixture is energized.

1. Clean glass lens with non-abrasive glass cleaning solution.
2. Do not open the fixture to clean the LED. Do not touch the LED.



X17 XFU Slipfitter
205/150/100W & 330/250/175W



X17 XFU Trunnion
205/150/100W & 330/250/175W

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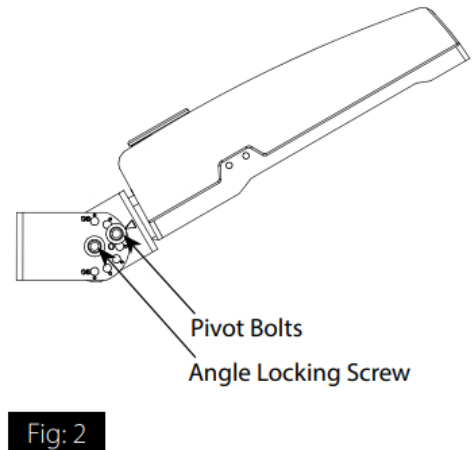
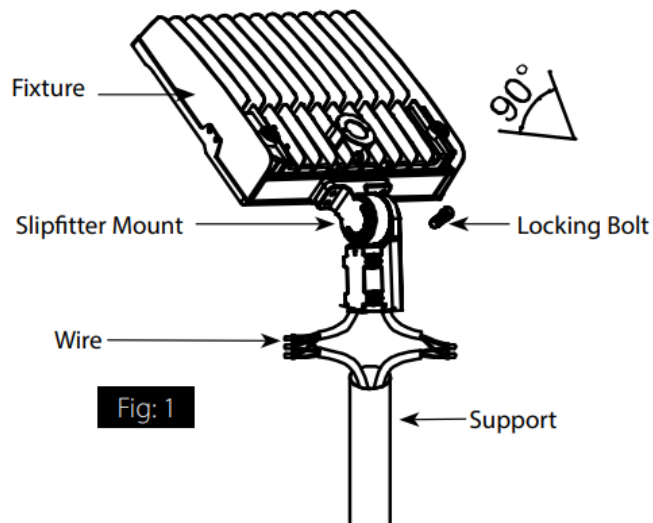
ATTENTION: If the Photocell function is not required, the Shorting Cap (provided) must be installed in place of the Photocell.

SLIPFITTER MOUNT

(suitable for 205W, 330W)

1. Place the Slipfitter over the Tenon and secure the Fixture with the Screws on the side of the Slipfitter as shown in Fig. 1.

2. Make appropriate wire connections per NEC in an approved enclosure (not included) see Fig. 6.
3. Loosen the Locking Bolt and swivel Fixture to desired angle4. Tighten the Locking Bolt.



TRUNNION MOUNT

(suitable for 205W, 330W)

To adjust the angle of the Fixture using the Trunnion (Fig. 2):

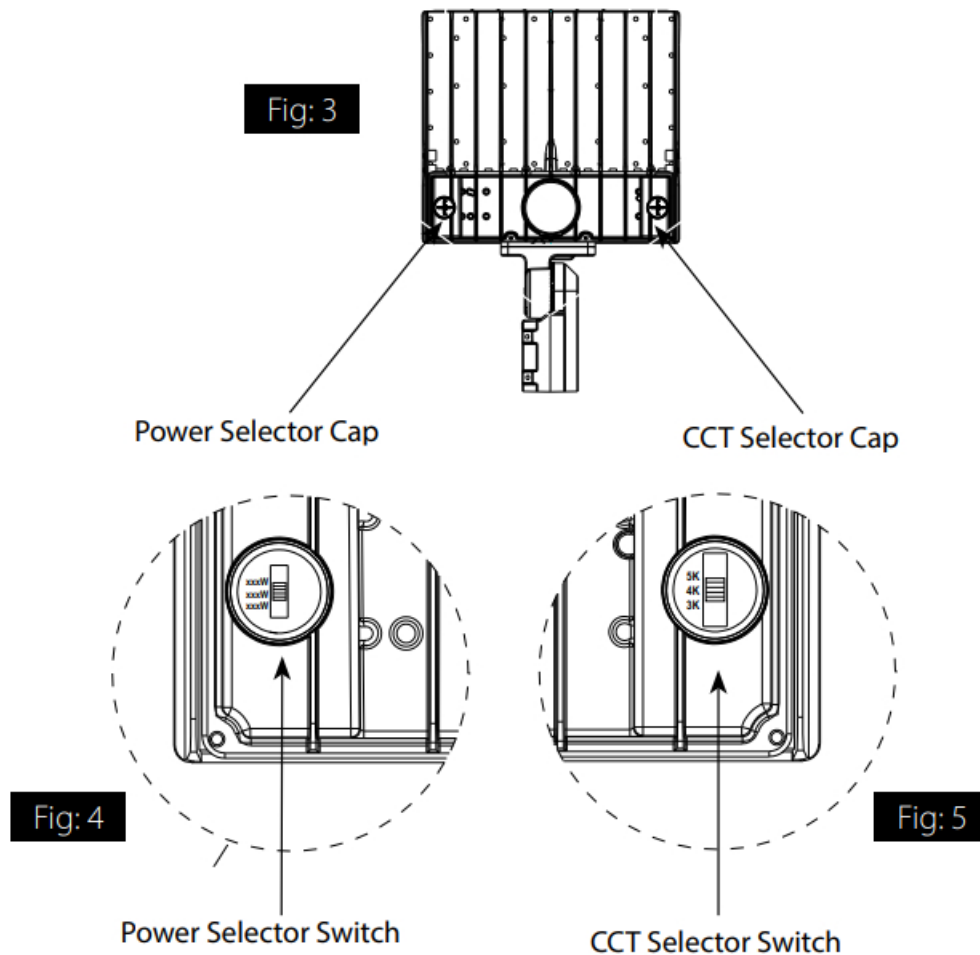
1. Loosen the Pivot Bolts and Angle Locking Screws.
2. Make appropriate wire connections per NEC in an approved enclosure (not included) see Fig. 6.
3. Adjust fixture to desired angle.
4. Tighten Pivot Bolts and Angle Locking Screw.

FIELD ADJUSTMENT

Follow instructions below to change Power (W) and Fixture Color. Temperature (CCT) from factory settings.

Factory Settings: X17XFU205 – 4000K (CCT), 205W. X17XFU330 – 4000K (CCT), 330W

1. Remove Selector Switch Caps by turning counterclockwise using a flat head screwdriver (Fig. 3).
2. Locate the Selector Switches on the fixture (Fig. 4, 5).
3. Select Power (W) and Color Temperature (CCT) by sliding the respective switch to the desired value.
4. Replace Selector Switch Caps and tighten using a flat head screwdriver.



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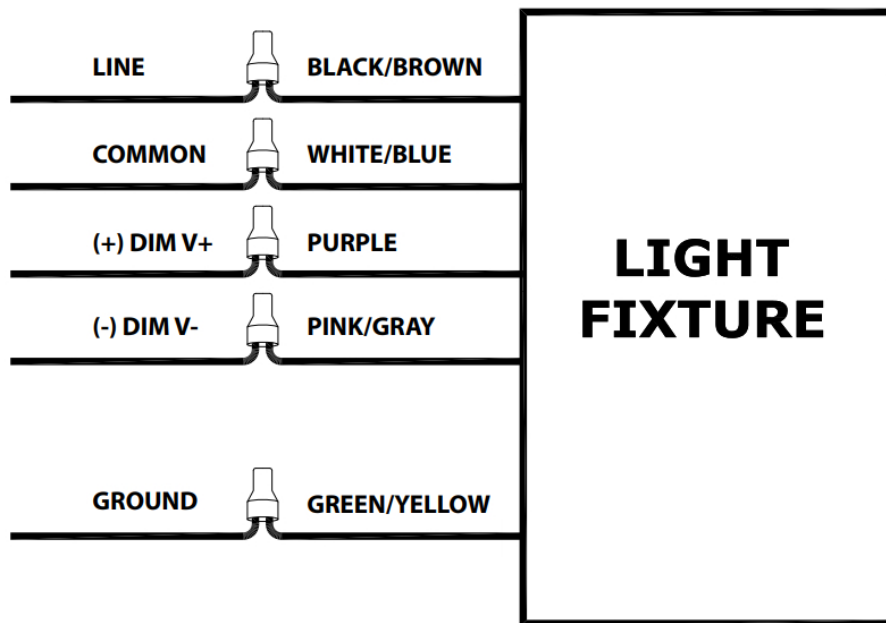
DIMMABLE WIRING

Universal voltage driver permits operation at 120V thru 277V, 50 or 60 Hz, 1-10V Dimming. Units ordered with /480 suffix are 480V, 50 or 60 Hz, 0-10V Dimming.

Follow the wiring directions as shown in Fig. 6.

1. Connect the black/brown fixture lead to the LINE supply lead.
2. Connect the white/blue fixture lead to the COMMON supply lead.
3. Connect the green/yellow wire from fixture to supply ground. Do NOT connect the GROUND of the dimming fixture to the output.
4. Connect the purple fixture lead to the DIM V+ lead.
5. Connect the pink/gray fixture lead to the DIM V- lead.
6. Cap the yellow fixture lead, if present. Do NOT connect.

Fig: 6



CLEANING & MAINTENANCE

CAUTION: Be sure fixture temperature is cool enough to touch. Do not clean or maintain while fixture is energized.

1. Clean polycarbonate lens with non-abrasive glass cleaning solution.
2. Do not open the fixture to clean the LED. Do not touch the LED.

TROUBLESHOOTING

1. Is the fixture grounded properly?
2. It is recommended to wear gloves to avoid injury during installation.
3. If any smoke or spark, please turn off the power immediat

INSTRUCTIONS

X17™ FA FIELD ADJUSTABLE INSTALLATION

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15-35W 60-80W



60-80W 105-140W



60-80W 105-140W

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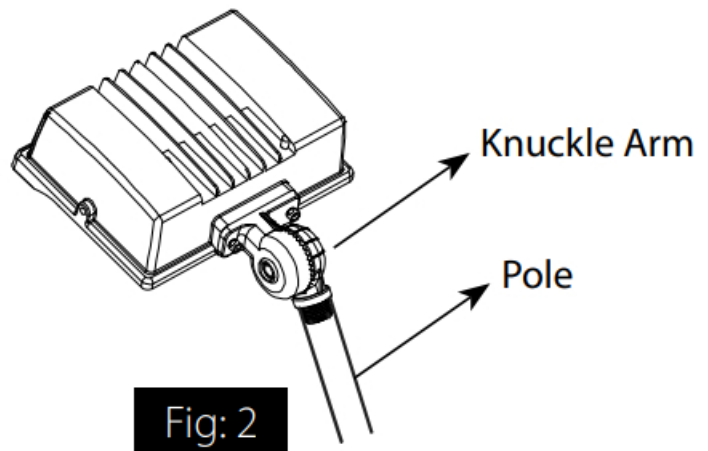
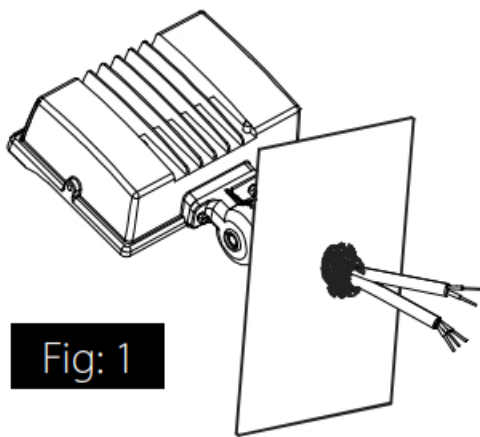
WARNING: Min 75°C SUPPLY CONDUCTORS.

KNUCKLE MOUNT

(suitable for 15W, 35W, 60W, 80W)

To ensure weatherproof seal, apply weatherproof silicone sealant around the edge of the junction box (not supplied). This is especially important with an uneven wall surface.

1. Secure the fixture to a 1/2" NPS hole in the junction box or landscape post as shown in Fig. 1. Seal arm thread using Teflon® tape or silicone sealant.
2. Make appropriate wire connections per NEC in an approved enclosure (not included) see Fig. 8.
3. The Knuckle Arm allows 180° of vertical aiming adjustment depending on the mounting position as shown in Fig. 2.



TRUNNION MOUNT

(suitable for 60W, 80W, 105W, 140W)

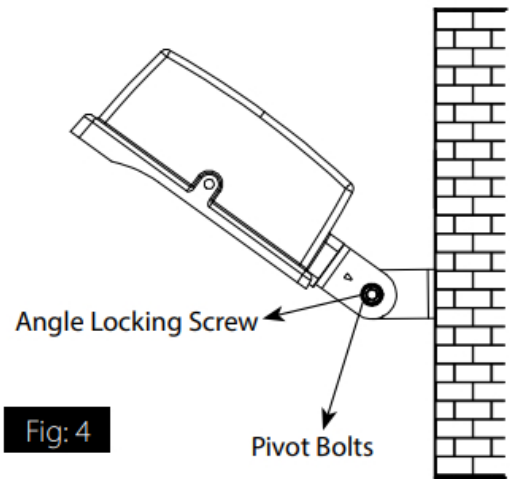
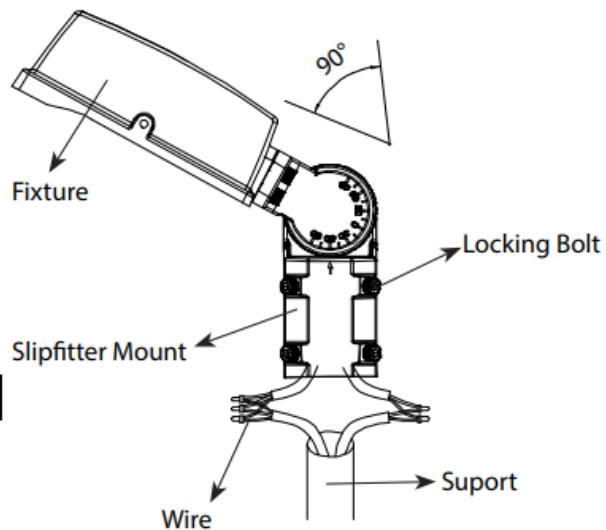
To adjust the angle of the Fixture using the Trunnion (Fig. 4):

1. Loosen the Pivot Bolts and Angle Locking Screws.
2. Make appropriate wire connections per NEC in a approved enclosure (not included) see Fig. 8.
3. Adjust fixture to desired angle.
4. Tighten Pivot Bolts and Angle Locking Screw.

SLIPFITTER MOUNT

(suitable for 60W, 80W, 105W, 140W)

1. Place the Slipfitter over the Tenon and secure the Fixture with the Screws on the side of the Slipfitter as shown in Fig. 3.
2. Make appropriate wire connections per NEC in an approved enclosure (not included) see Fig. 8.
3. Loosen the Locking Bolt and swivel Fixture to desired angle.
4. Tighten the Locking Bolt.



INSTRUCTIONS

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FIELD ADJUSTMENT

Follow instructions below to change fixture Color Temperature (CCT) from the factory settings and Photocell On/Off option. Factory Settings: 4000K (CCT)

1. Remove Selector Switch Caps by turning counter clockwise using a flat head screwdriver Fig. 5.
2. Locate the Selector Switches on the fixture Fig. 6,7.
3. Select Color Temperature (CCT) by sliding the respective switch to the desired value.
4. Select Photocell On/Off option by sliding respective switch to the desired value.

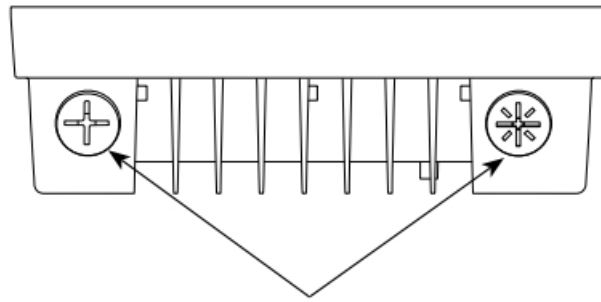


Fig: 5

Selector Switch Caps

15W, 35W, 60W

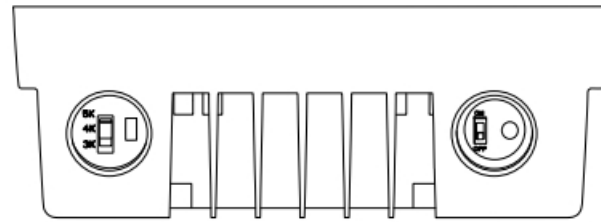


Fig: 6

CCT Selector Switch

Photocell Selector Switch

105W, 140W

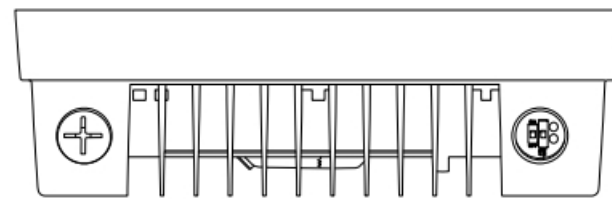


Fig: 7

Photocell Selector Switch

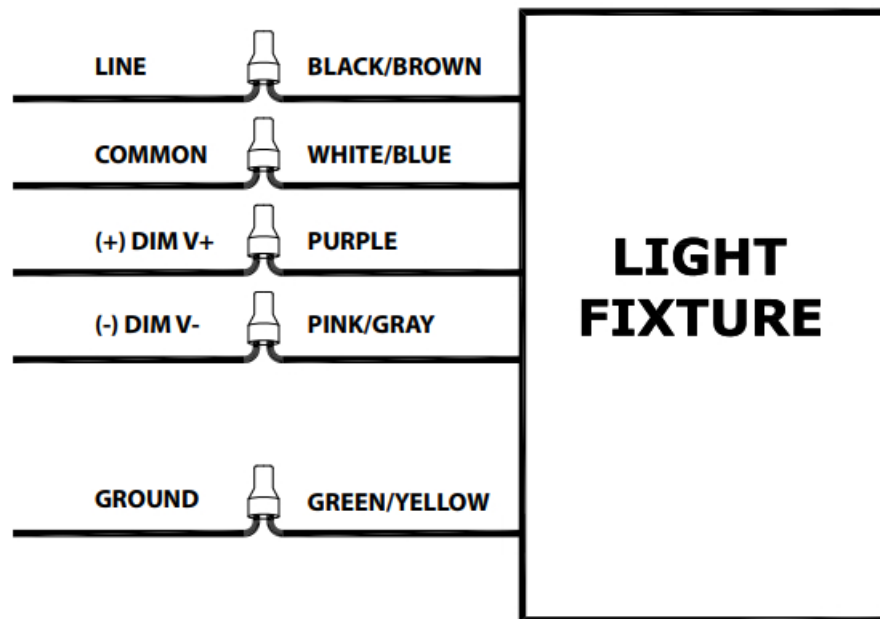
CCT Selector Switch

0-10V DIMMABLE WIRING

Universal voltage driver permits operation at 120V thru 277V, 50 or 60 Hz. Units ordered with /480 suffix are 480V. For 0-10 Dimming, follow the wiring directions as shown in Fig. 8.

1. Connect the black/brown fixture lead to the LINE supply lead.
2. Connect the white/blue fixture lead to the COMMON supply lead.
3. Connect the green/yellow wire from fixture to supply ground. Do NOT connect the GROUND of the dimming fixture to the output.
4. Connect the purple fixture lead to the DIM V+ lead.
5. Connect the pink/gray fixture lead to the DIM V- lead.
6. Cap the yellow fixture lead, if present. Do NOT connect.

Fig: 8



CLEANING & MAINTENANCE

CAUTION: Be sure fixture temperature is cool enough to touch. Do not clean or maintain while fixture is energized.

1. Clean glass lens with non-abrasive glass cleaning solution.
2. Do not open the fixture to clean the LED. Do not touch the LED.

TROUBLESHOOTING

1. Is the fixture grounded properly?
2. It is recommended to wear gloves to avoid injury during installation.
3. If any smoke or spark, please turn off the power immediately.

Note: These instructions do not cover all details or variations in equipment nor do they provide for every possible situation during installation, operation or maintenance.

INSTRUCTIONS

X17™ PA POWER ADJUSTABLE INSTALLATION

RAB Lighting is committed to creating high-quality, affordable, well-designed and energy-efficient LED lighting and controls that make it easy for electricians to install and end users to save energy. We'd love to hear your comments. Please call the Marketing Department at 888-RAB-1000 or email: marketing@rablighting.com



X17 PA 450/350/250W Slipfitter



X17 PA 450/350/250W Trunnion

IMPORTANT

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

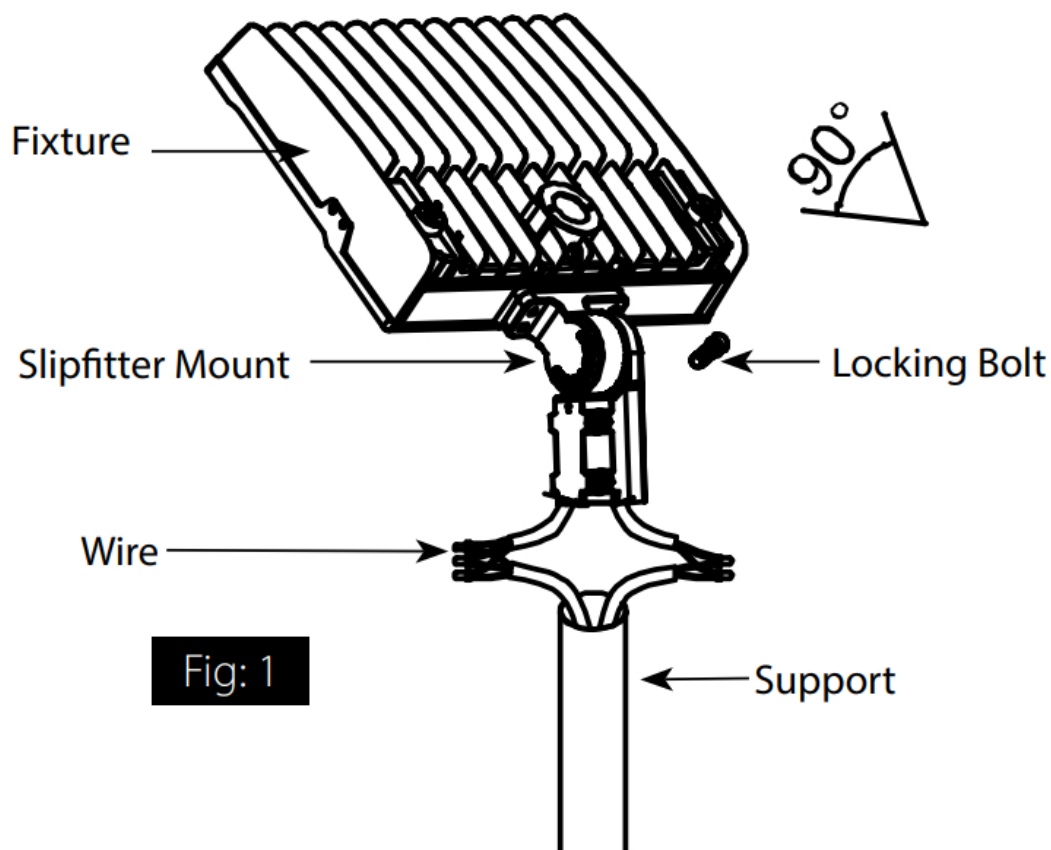
RAB fixtures must be wired in accordance with the National Electrical Code and all applicable local codes. Proper grounding is required for safety. THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

WARNING: Make certain power is OFF before installing or maintaining fixture. No user serviceable parts inside.

WARNING: Do not use an electric generator to test LED fixtures.

WARNING: Min 75°C SUPPLY CONDUCTORS.

ATTENTION: If the Photocell function is not required, the Shorting Cap (provided) must be installed in place of the Photocell.

SLIPFITTER MOUNT

1. Place the Slipfitter over the Tenon and secure the Fixture with the Screws on the side of the Slipfitter as shown in Fig. 1.
2. Make appropriate wire connections per NEC in an approved enclosure (not included) see Fig. 5.
3. Loosen the Locking Bolt and swivel Fixture to desired angle.
4. Tighten the Locking Bolt.

TRUNNION MOUNT

To adjust the angle of the Fixture using the Trunnion (Fig. 2):

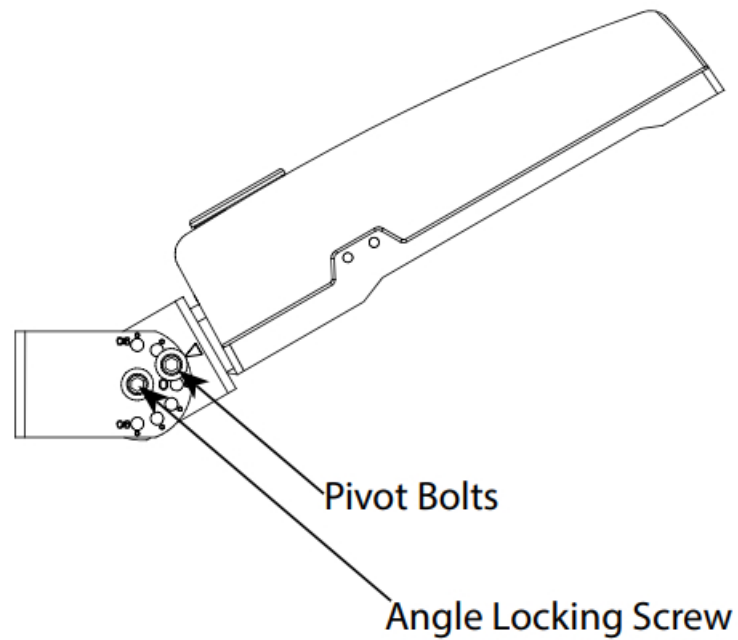


Fig: 2

1. Loosen the Pivot Bolts and Angle Locking Screws.
2. Make appropriate wire connections per NEC in an approved enclosure (not included) see Fig. 5.
3. Adjust fixture to desired angle.
4. Tighten Pivot Bolts and Angle Locking Screw.

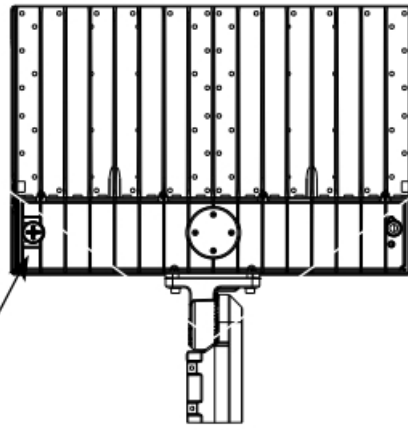
FIELD ADJUSTMENT

Follow instructions below to change Fixture Power (W) from factory settings.

Factory Settings: 450W

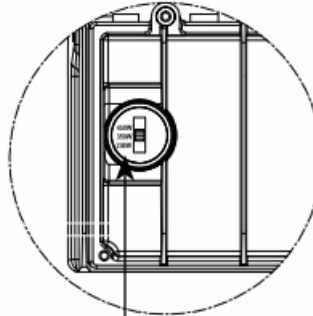
1. Remove Power (W) Selector Switch Cap (Fig. 3) by turning counterclockwise using a flat head screwdriver.
2. Select Power (W) by sliding Power (W) Selector Switch to the desired value.
3. Replace Selector Switch Cap and tighten using a flat head screwdriver.

Fig: 3



Power Selector Switch Cap

Fig: 4



Power (W) Selector Switch

Note: These instructions do not cover all details or variations in equipment nor do they provide for every possible situation during installation, operation or maintenance.

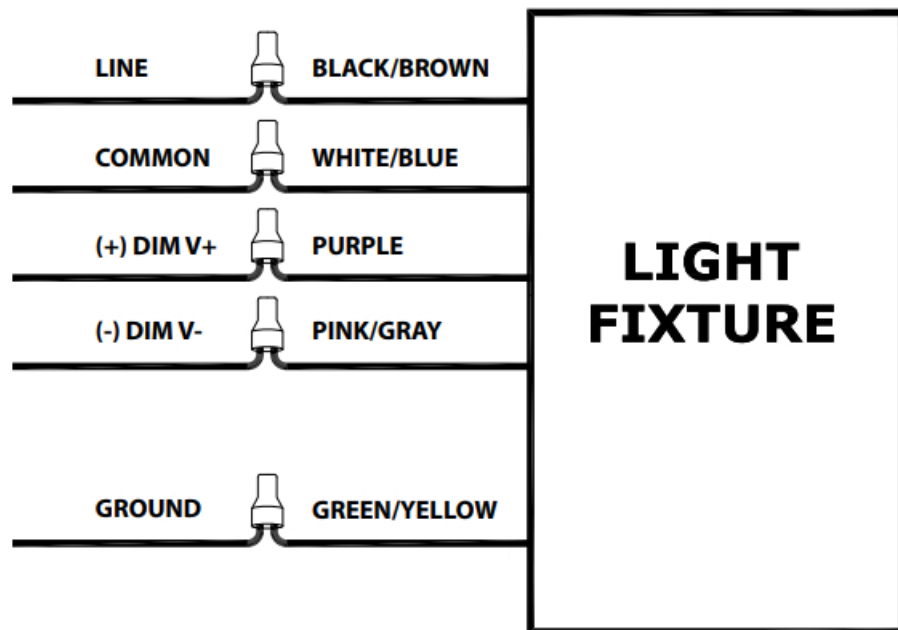
DIMMABLE WIRING

Universal voltage driver permits operation at 120V thru 277V, 50 or 60 Hz, 1-10V Dimming. Units ordered with /480 suffix are 480V, 50 or 60 Hz, 0-10V Dimming.

Follow the wiring directions as shown in Fig. 5.

1. Connect the black/brown fixture lead to the LINE supply lead.
2. Connect the white/blue fixture lead to the COMMON supply lead.
3. Connect the green/yellow wire from fixture to supply ground. Do NOT connect the GROUND of the dimming fixture to the output.
4. Connect the purple fixture lead to the DIM V+ lead.
5. Connect the pink/gray fixture lead to the DIM V- lead.
6. Cap the yellow fixture lead, if present. Do NOT connect.

Fig: 5



CLEANING & MAINTENANCE

CAUTION: Be sure fixture temperature is cool enough to touch. Do not clean or maintain while fixture is energized.

1. Clean polycarbonate lens with non-abrasive glass cleaning solution.
2. Do not open the fixture to clean the LED. Do not touch the LED.

TROUBLESHOOTING

1. Is the fixture grounded properly?
2. It is recommended to wear gloves to avoid injury during installation.
3. If any smoke or spark, please turn off the power immediately.

RAB®

Easy Answers

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X17 PA 450-350-250 – IN-1021
P-100054-RAB

rablighting.com

Visit our website for product info

Tech Help Line

Call our experts: 888 722-1000

e-mail

Answered promptly – sales@rablighting.com
Free Lighting Layouts Answered online or by request

Documents / Resources

	<p>RAB X17 XFU 3-Way Field-Adjustable Floodlight [pdf] Instruction Manual</p> <p>X17 XFU, 3-Way Field-Adjustable Floodlight, Field-Adjustable Floodlight, 3-Way Floodlight, Floodlight</p>
	<p>RAB X17™ XFU 3-Way Field-Adjustable Floodlight [pdf] Instruction Manual</p> <p>X17 XFU, 3-Way Field-Adjustable Floodlight, Adjustable Floodlight, 3-Way Field Floodlight, Floodlight</p>

References

- [R>Welcome to RAB](#)