



Source Four LED Mini

User Manual

Part Number: 7063M1220 Rev G

Released: 2021-10

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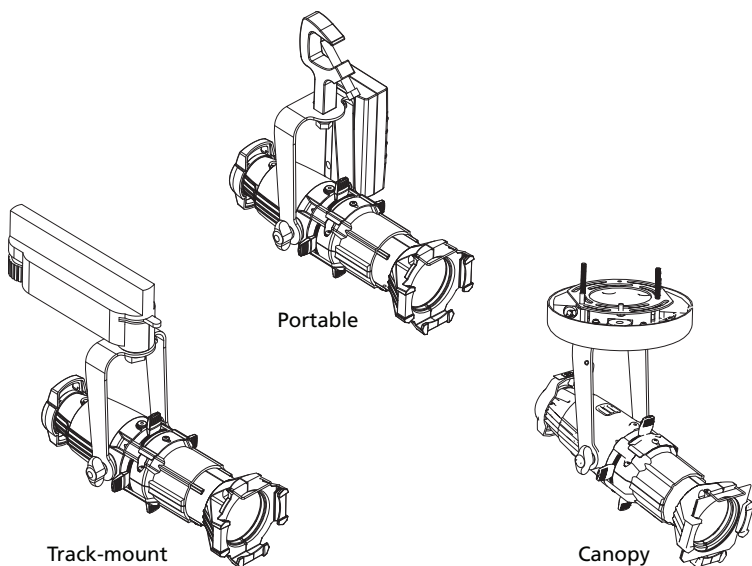
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Introduction

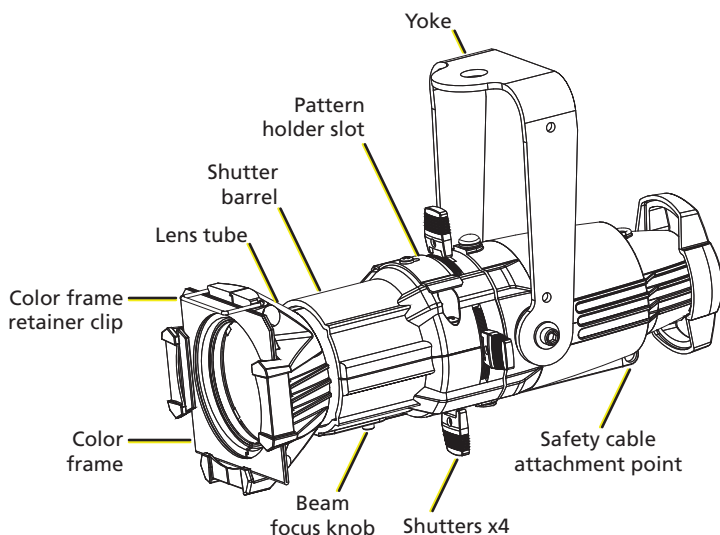
The Source Four LED Mini has three available mounting options:

- **Portable:** Includes a miniature C-clamp and yoke-mounted driver, and has a permanently installed power cord with 3-prong Edison connector. Region-specific connectors are available. Contact ETC for available options. Use L5-15 plugs on branch circuits with L5-15 receptacles only.
- **Track-mount** and **Canopy:** The track-mount fixture and canopy fixture both include an integral driver.

You must install a lens tube before you use the Source Four Mini LED. There are four lens tube sizes available: 19°, 26°, 36°, and 50°. See [Install a Lens Tube on page 4](#).



Note: The miniature C-clamp for the portable fixture is available only in non-EU markets. Within the EU, use an M10 bolt to secure a clamp (provided separately) to the fixture.



Safety



WARNING: Note the following safety warnings before use:

- Use the fixture in dry locations only, where humidity does not exceed 90 percent (non-condensing).
- Do not mount the fixture on or near a flammable surface.
- Check that the accessory holder is locked before mounting the fixture.
- Do not operate the fixture without a lens installed.
- Do not use this fixture if a lens is deeply scratched or cracked. You must replace a lens when it is damaged.



AVERTISSEMENT : Prendre connaissance des avertissements de sécurité suivants avant toute utilisation :

- Ne pas installer le projecteur sur ou à côté d'une surface inflammable.
- Vérifiez que le porte-accessoires est verrouillé avant de monter le projecteur.
- N'utilisez pas le projecteur sans que la lentille soit installée.
- N'utilisez pas ce projecteur si la lentille présente des rayures ou des fissures profondes. Il faut remplacer la lentille si elle est abîmée.

IMPORTANT SAFEGUARDS

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

- Keep lamp away from materials that may burn.
- Do not touch hot lens, guard, or enclosure.
- Do not remain in light if skin feels warm.
- Do not look directly at lighted lamp.
- External temperature after 5 minutes of full-brightness operation: 50°C (122°F).
- External temperature when steady state is achieved: 67°C (152.6°F).

SAVE THESE INSTRUCTIONS

Canopy Fixture



WARNING: RISK OF ELECTRIC SHOCK! Power must be off when you perform this procedure.

The fixture must be installed by a qualified electrician in accordance with all national and local electrical and construction codes and regulations.

AVERTISSEMENT : RISQUE DE DÉCHARGE ÉLECTRIQUE!
L'alimentation doit être éteinte avant d'exécuter cette procédure.

Track-Mount Fixture



WARNING: To reduce the risk of fire and electric shock, use the track-mount fixture only with the DataTrack (EUTRAC) track system.

AVERTISSEMENT : Pour éviter le risque d'incendie ou de choc électrique avec le modèle adaptateur pour rail, utiliser uniquement avec une alimentation par rail DataTrack (EUTRAC).



WARNING: Use the track-mount fixture with ceiling-mounted track only.

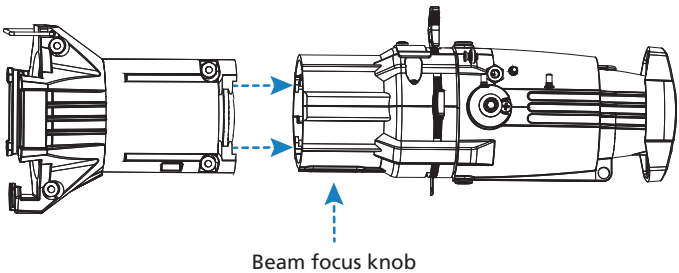
Installation

Install a Lens Tube

You must install a lens tube before you use the Source Four Mini LED. There are four lens tube sizes available: 19°, 26°, 36°, and 50°.

Lens Tube	Description
4M19LT (-1, -5)	19° Source Four Mini Lens Tube Only Black (White, Silver)
4M26LT (-1, -5)	26° Source Four Mini Lens Tube Only Black (White, Silver)
4M36LT (-1, -5)	36° Source Four Mini Lens Tube Only Black (White, Silver)
4M50LT (-1, -5)	50° Source Four Mini Lens Tube Only Black (White, Silver)

1. Unscrew the beam focus knob from the loose lens tube.
2. Slide the lens tube into the shutter barrel.
3. Install the beam focus knob.



Install Track-Mounted Fixture



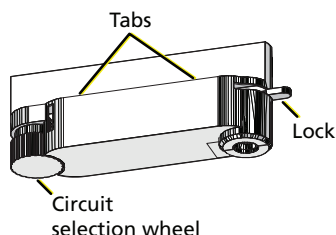
WARNING: To reduce the risk of fire and electric shock, use the track-mount fixture only with the DataTrack (EUTRAC) track system.

AVERTISSEMENT : Pour éviter le risque d'incendie ou de choc électrique avec le modèle adaptateur pour rail, utiliser uniquement avec une alimentation par rail DataTrack (EUTRAC).



WARNING: Use the track-mount fixture with ceiling-mounted track only.

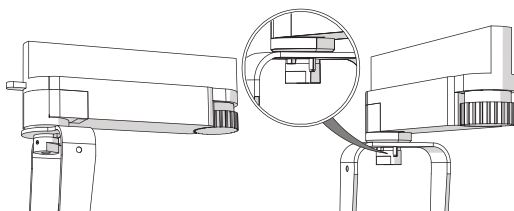
1. Insert the DataTrack adapter into the track. The adapter only fits into the track one way with the tabs nesting into the track's groove.
2. Rotate the locking mechanism to lock the adapter into place.



WARNING: When using the circuit selection lock, ensure that the selected circuit is a constant power circuit. Dialing into a dimmable circuit may cause fixture damage that will void the ETC warranty.

3. Use the circuit selection lock to select the circuit. The desired circuit number should point toward the center of the adapter.
4. Focus the fixture.
5. Lock the fixture into place using the yoke lock.

Cable protection posts on both the yoke lock and the yoke prevent the fixture from rotating a full 360°. To lock the yoke in place use a 1.5 mm hex key.



Use the AD1 Track Adapter

ETC offers the option of installing a track-mounted fixture with an adapter that is compatible with Halo Track Systems. Halo Track Systems are not available from ETC, but the Source Four Mini LED fixture can be custom-ordered from ETC with the AD1 track adapter.

To use the adapter with the Source Four Mini LED fixture, push the tab on the adapter to the lower position (see image at right).



To install a fixture with the AD1 adapter:

1. Pull back on the retaining sleeve.
2. Insert the adapter into the track with the gold tabs parallel to the track.
3. Release the sleeve and rotate until you feel the adapter snap securely into place.

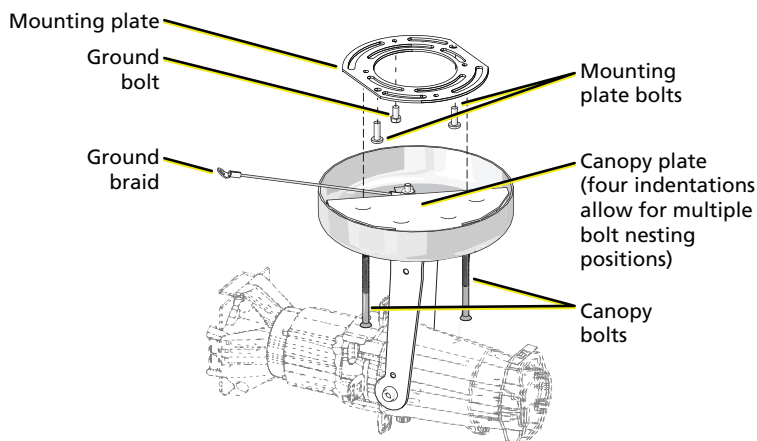
Install Canopy Fixture



WARNING: RISK OF ELECTRIC SHOCK! Power must be off when you perform this procedure.

The fixture must be installed by a qualified electrician in accordance with all national and local electrical and construction codes and regulations.

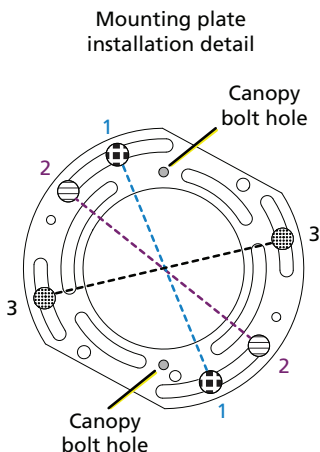
AVERTISSEMENT : RISQUE DE DÉCHARGE ÉLECTRIQUE!
L'alimentation doit être éteinte avant d'exécuter cette procédure.



1. Remove the mounting plate from the fixture by removing the two canopy bolts and the ground bolt. Set the ground bolt aside.
2. Using the mounting plate bolts, secure the mounting plate to the installed back box (not included).



CAUTION: *The canopy plate has built-in indentations allowing the mounting plate bolts to nest into the canopy plate. For an ideal flush-mount installation, you may need to rotate the plate to accommodate these indentations. See the following image.*

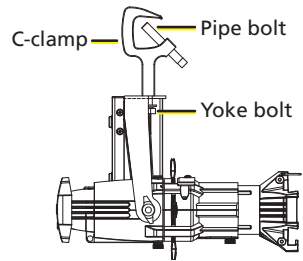


Install the mounting plate screws in one of the three position-pairings shown. Only the slots on the outer circumference will allow a true flush mounting.

3. Place the copper ground braid loop over the ground bolt and attach the ground bolt to the back box.
4. Connect the building ground wire to the ground wire on the fixture, following local electrical codes.
5. Connect the supply power wires to the fixture wiring using the included WAGO® connectors.
 - For 120 V fixtures: Connect the black wire to line and the white wire to neutral.
 - For 230 V fixtures: Connect the brown wire to line and the blue wire to neutral.
6. Use the canopy bolts to secure the fixture to the mounting plate.
7. Open all four shutter blades by sliding them outward until they stop.
8. Install a gobo and gel as desired and confirm that they are properly secured.
9. Restore power at the disconnect device.
10. Focus the fixture as needed.

Install Portable Fixture with C-clamp (120 V Only)

The C-clamp attaches the fixture to the mounting pipe and allows you to adjust the position of the fixture once it is mounted. The C-clamp will fit a 3/8" to 1" pipe.



1. Tightly fasten the C-clamp to the yoke with the provided yoke bolt and washers.
2. Place the C-clamp on the mounting pipe, and then tighten the pipe bolt to secure it.
3. Loosen the C-clamp yoke bolt and rotate the yoke to the desired position.



CAUTION: *Tighten the C-clamp pipe bolt to about 18 in/lb (approximately finger-tight plus up to one-quarter turn). Do not use excessive force.*

4. Tighten the bolt to lock the fixture position.

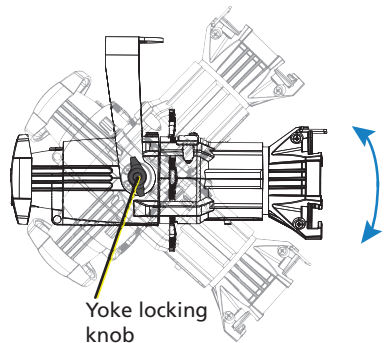


Note: *The miniature C-clamp for the portable fixture is available only in non-EU markets. Within the EU, use an M10 bolt to secure a clamp (provided separately) to the fixture.*

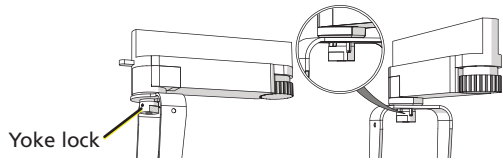
Focus and Setup

Adjust the Tilt

1. Loosen, but do not remove the yoke locking knob.
2. Tilt the fixture to the desired angle.
3. Tighten the yoke locking knob.



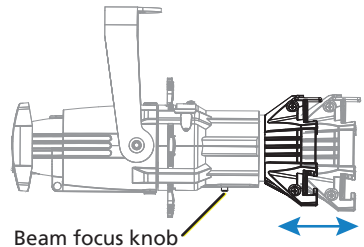
Lock the Rotation (Canopy and Track-Mount)



1. Rotate the fixture to the desired position. To protect the wiring, the fixture cannot rotate completely around.
2. Insert a 1.5 mm hex key into the small hole on the yoke lock, and turn it to tighten the yoke lock.

Focus the Beam

Loosen the beam focus knob, adjust the lens tube position as needed, and then tighten the knob.

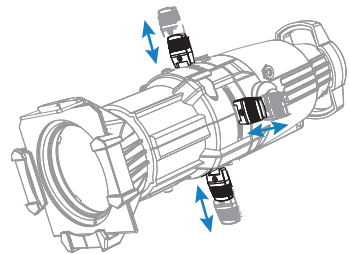


Shape the Beam

You can shape the beam using the four shutters or with a pattern.

Shape the Beam with Shutters

The fixture has four shutters: left, right, top, and bottom. Each shutter can be pulled out or pushed in to create the desired beam shape.

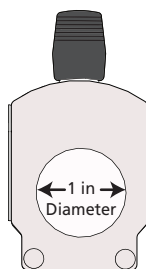


Shape the Beam with a Pattern

The fixture has a pattern-holder slot on the top side of the shutter barrel, in front of the shutter. It accommodates an E-size (37.5 mm with a 25.4 mm image area) pattern.

Use an optional donut in the color frame holder to enhance pattern projection.

When the slot is not in use, a small sheet metal cover secured with a Phillips screw prevents light leakage.



1. Use a Phillips screwdriver to loosen the screw on the slot cover. Do not remove the screw.
2. Slide the cover knob on the fixture completely to the side to expose the slot.
3. Insert the pattern holder.
4. Slide the slot cover back toward the shutters until it meets the pattern handle. Leave enough space to move the handle.
5. Secure the slot cover by tightening the screw.

Use the Color Frame Holder

The Source Four LED Mini comes equipped with a color frame (either 70 mm or 2 3/4 in), which is a metal frame used to hold color media (often referred to as gel) in front of the lens. The color frame holder is equipped with a retaining clip that prevents the color frame from falling out.

Additional accessories are available that also fit into the color frame holder: top hat, short top hat, half hat, short half hat, and donut. When you use an accessory, install the color frame in the rear slot of the holder.



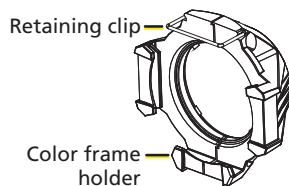
WARNING: Check that the accessory holder is locked before mounting the fixture.

AVERTISSEMENT : Vérifiez que le porte-accessoires est verrouillé avant de monter le projecteur.



Note: *The color frame should be inserted with the open side down.*

1. Release the retaining clip by gently pushing it up.
2. Insert the color frame.
3. Lock the retaining clip by gently pushing it down.



Cleaning



WARNING: Do not use ammonia-based cleaners or other harsh commercial cleaners. Clean lens only as directed.

Commercially available glass cleaning agents should be avoided as they may contain ammonia, other harsh chemical detergents, or abrasive agents. These cleaners may damage the lens surface. Do not immerse or soak the lens in any cleaning solution.

1. Remove the beam focus knob from the shutter barrel.
2. Remove the lens tube from the shutter barrel.
3. Remove dust with a blast of oil-free air or wipe with a clean, lint-free cloth.
4. Slide the lens tube back into the shutter barrel with the color frame retainer clip on the top.
5. Reinstall the beam focus knob.



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