

GALLERY SYSTEM ART DISPLAYS



Gallery System Lighting Installation Instructions

For use with 300-watt power supply installations

GALLERY SYSTEM LIGHTING

Overview & Getting Started

For installations where the power supply will be plugged into a wall outlet, handyperson-type skills are all that are required, but you may prefer to hire an electrician. A licensed electrician should handle any installations where the power supply will be wired directly into a building circuit ("hardwired"), as when installing inside a wall or ceiling.

It's generally best to start by installing your Original Gallery System wall tracks in your display space before proceeding with the lighting installation, but please observe the following important points:

- To ensure proper lighting coverage, we recommend a maximum wall track installation height of about 9 feet (2.75 meters) above the floor. Placing the track too high can result in less light reaching the art, and an oblique angle that reduces effectiveness. For best results, works to be illuminated should have their centerlines 20 to 40 inches (50 to 100 cm) below the wall-mounted track.
- Leave at least one inch (2.5 cm) of clearance between the ceiling and the top of the track to allow for light wand installation.
- When mounting the wall tracks, leave 2.75 inches (7 cm) of clear wall space for the Junction Box. Refer to Step 1 on the opposite side of this sheet; depending on your installation the Junction Box may be placed in an open space at one end of the track, or in a central position in a gap between two sections of track.
- When sections of track meet at a corner, cut them at a 45-degree angle to ensure a clear path for the Track Cable.

IMPORTANT SAFETY NOTES:

- **To ensure safe operation, use only LED bulbs (7-watt maximum)** and do not exceed the specified number of light wands for your power supply:

Power Supply	Maximum Number of Light Wands
300-watt Power Supply	24

- **For installations with more than 24 light wands**, please contact us for assistance. Do not connect multiple power supplies to the same cabling
- **WHEN REPLACING BULBS USE ONLY LEDs OF EQUIVALENT WATTAGE – DO NOT USE HALOGEN BULBS**



A. 300W Power Supply Provides safe low voltage DC power to the lighting system; included cord holder secures cable in place



B. Power Supply Cable, 9 feet Connects power supply to junction box



C. Junction Box Provides connection between power supply and track cable



D. Track Cable Carries the 12-volt current along the wall-mounted Original Gallery System tracks to the light wands.



E. Light Wands with LED Bulbs Attach at any point along the wall-mounted track; adjustable to direct light onto your artworks

Double-Sided Adhesive Tape (*not shown*) – Secures the Track Cable in the wall-mounted tracks

These components are for use only with the Original Gallery System. They are not compatible with the GalleryOne™ hanging system, or with any products not made by Gallery System Art Displays.

You will need the following on hand for installation:

Tape Measure/Ruler

Screwdrivers (flat and Phillips)

Scissors

Rubbing Alcohol

Wire-Cutting Pliers

Troubleshooting Tips

- **If some light wands illuminate but others do not**, check to be sure the bulbs are seated firmly in their sockets. If they are, try removing and re-seating the non-functioning light wands per figures 10 and 11 in Step 5. If problems persist, try swapping bulbs between functioning and non-functioning wands to determine which component is faulty, and contact us for assistance.
- **If none of the lights will illuminate**, check all power connections, and make sure your wall outlet is providing AC power. If it is, check the lighting system for a tripped circuit breaker — there is a reset button inside the power supply enclosure below the wire connections, and an additional two on the wall-mounted junction box, which are reset by pushing in the projecting button(s). If any breaker trips again after being reset, unplug the AC cord from the wall and contact us for assistance.

Our Service Commitment, Return Policy, & Warranty

We are committed to offering personal service and assistance to all customers, before and after the sale. Please contact us with any questions about installing or using your Gallery System lighting equipment. We provide a 60-day return policy; lighting components are covered by a 5-year limited warranty, except for 60-watt Power Pack transformers and LED light bulbs, which are covered by a 2-year limited warranty. For details please contact us, or visit www.galleriesystem.com.

Need help? We're here for you!

Phone: **800-460-8703**

Outside the U.S.: **+1 781-237-8856**

www.galleriesystem.com

info@galleriesystem.com

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STEP 1 Planning Your Installation

The 12-volt power used by your new lighting system is very safe but cannot travel long distances, so thoughtful positioning of the power supply and junction box is necessary. A 9-foot cable is provided for connecting the power supply and junction box; this is the recommended maximum distance between the two.

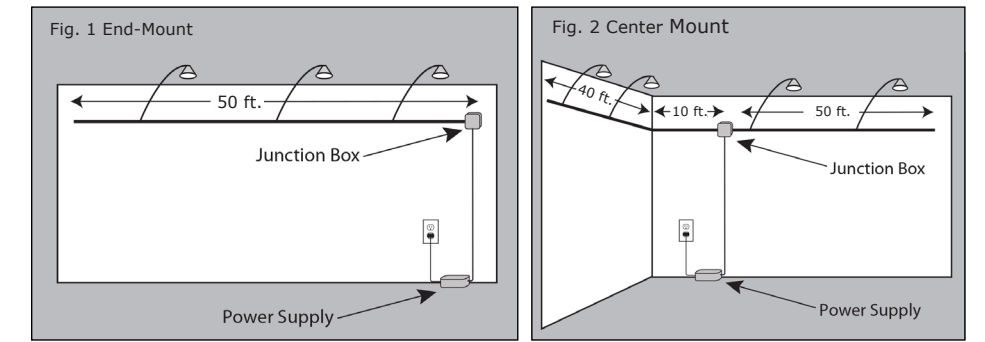
The power supply box needs ample ventilation during operation and should be located away from any heat sources and with at least 15 inches (40 cm) of free-flow airspace. When plugged into a wall outlet it can be mounted horizontally or vertically on the wall using the included hanger, or rest on the floor. Transformer cable runs on the wall may be concealed with a raceway/conduit cover (not included).

Alternatively, the power supply can be installed above the ceiling or behind a wall. This requires direct connection of the building wiring into the power supply ("hardwiring"), rather than plugging into a wall outlet, and should be handled by a licensed electrician. In addition to the ventilation mentioned above, this type of installation also requires an access panel to reach the two internal circuit breakers — on rare occasions they may trip due to an electrical anomaly. Please contact us for more information about hardwired installations.

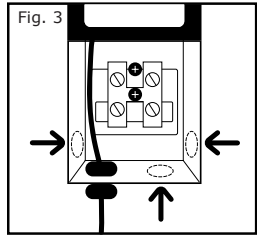
Power can travel along the wall-mounted track up to 50 feet (15.2 meters) in either direction from the junction box. The junction box can be located at one end of the track, or, for maximum installation

length of up to 100 feet (30.5 meters), be placed in the middle of the track (see Figure 1). Be sure to leave clear wall space of 2.75 inches (7 cm) for the junction box when mounting tracks on wall.

The 300-watt power supply can handle a maximum of 24 7-watt LED lamps if the junction box is mounted centrally, with a maximum of 12 on each side. If the junction box is mounted at one end of the track, it can power a maximum of 12 7-watt LED lamps.

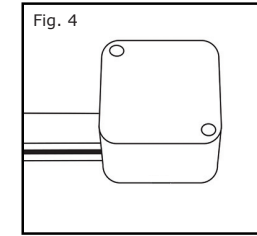


STEP 2 Mount Power Supply & Junction Box



Remove the power supply cover and identify which of the three knockout holes (two on the sides, one by the power cord) provides the best entry point for the junction box cable in your situation. Break off the selected metal tab by tapping outward and bending back and forth with pliers. Place the included cord holder into the opening.

Position power supply in chosen location. For wall mounting, fasten the included hanger in place with two screws and hook power supply onto it. Ensure that front panel can be removed for internal circuit breaker access. Leave cover off, and **do not plug in to AC power or connect output cable at this stage.**



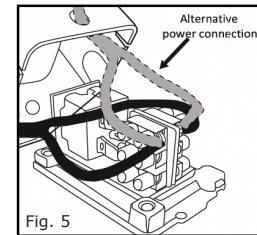
After installing the Original Gallery System wall tracks, position the junction box on the wall with the cable slots on either side aligned with the horizontal surface of the wall track(s).

The power supply cable may enter the junction box from above or below via either round hole. Be sure the circuit breaker buttons can be accessed for resetting if needed.

The junction box can usually be affixed using the adhesive pad on the back. If the wall surface is unsuitable, mount the box using screws; remove the cover to access mounting holes.

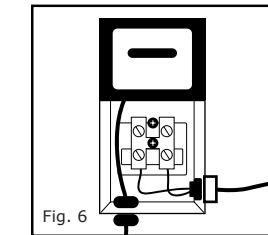
STEP 3 Connect Junction Box & Power Supply with 9ft Cable

Start by connecting 9-foot power cable to the junction box; until this is completed, do not connect the other end to the power supply. Carefully strip 1/2 inch (1 cm) of insulation from both conductors at one end of the cable. Remove the junction box cover and feed the prepared cable end through the top or bottom hole, depending on the routing in your installation.



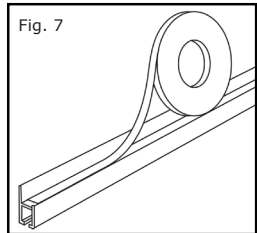
Route the cable as shown in Figure 5. Note the different paths depending on which end of the box the cable enters through; follow them carefully to ensure that the box cover reattaches properly.

Using a flat-blade screwdriver, connect the stripped ends to the two OUTSIDE connections at the END of the connection block, as shown in Figure 5.



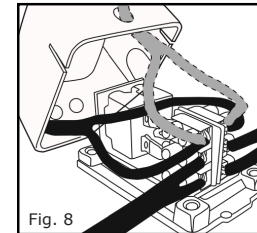
Now connect the other end of the cable to the power supply. Strip 1/2 inch (1 cm) of insulation from both conductors, feed through the cable holder, and insert the stripped ends into the two OUTSIDE terminal block screws. After securing, feed a few inches of cable into the case to provide for future repairs. Tighten cable holder and replace power supply cover. **Do not plug in to AC power at this stage.**

STEP 4 Install the Flat Track Cable in the Wall Track



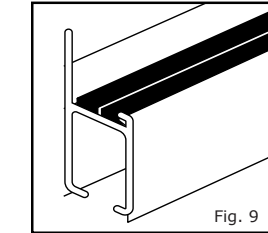
Using a rag or paper towel moistened with rubbing (isopropyl) alcohol, wipe clean the inner horizontal surface of the wall-mounted track and allow to dry. If the track cable has attracted dust or grease, wipe it as well, and let dry.

Affix the double-sided adhesive tape to the track as shown. Do not remove the strip covering the top-side adhesive until you are ready to put the cable in the track.



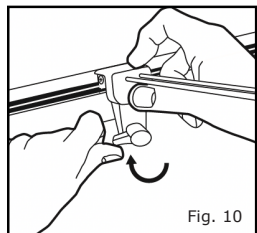
Measure from the junction box to the far end of the wall-mounted track, add a couple of inches to allow for connections, and cut a section of flat track cable to that length. Lay the cable temporarily in the wall track (without removing the tape's protective covering) and carefully strip away 1/2 inch (1 cm) of insulation at the junction box end.

Connect the two conductors to the INSIDE connections on one side of the connection block in the junction box. If installing lights on both sides of the junction box, repeat for the other portion of track.

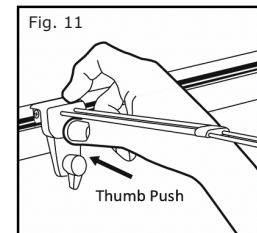


Working outward from the junction box, lift the cable slightly and start peeling away the protective strip to expose the adhesive. Work your way along the track, positioning the cable atop the tape as you go, ensuring that it lies flat. When fully in place, press the cable gently onto the tape to make sure it sits securely, and trim any excess at the end. If installing lights on both sides of the junction box, repeat for the other portion of track. Replace the cover on the junction box.

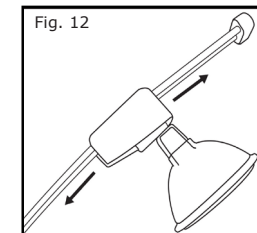
STEP 5 Affix Light Wands, Add Optional Corner Covers



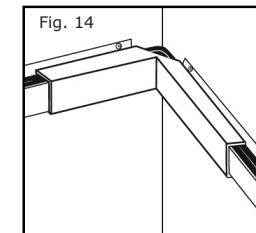
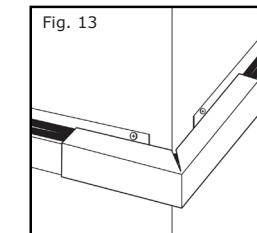
Plug the power supply into an AC outlet. Fit an LED bulb into the socket of a light wand. Make sure the lever at the base of the wand is in the Open (lever down) position and position the wand on the track. Press horizontally with thumb so that fitting is flat against front of track — do not press down.



Continue holding wand base firmly against front of track and turn the wand lever clockwise to the horizontal position. Do not press the wand base down — let the lever do the work, drawing the wand's contact probes into the track cable. The lamp should then turn on. Repeat process for all wands.



You can adjust the lighting angle by sliding the socket and bulb up or down along the wand.



Optional covers conceal the cable when it goes around a corner. Use two-sided adhesive tape at both ends to affix the cover to the wall tracks.