

IMMERSION™

LED Display Lighting

Retail Display Cases
DC10 Series



BEFORE YOU BEGIN

Read these instructions completely and carefully.

⚠ WARNING

Risk of electrical shock. Disconnect power before servicing or installing product.

- Use this unit only in the manner intended by the manufacturer. If you have any questions, contact the manufacturer.
- Before servicing or cleaning unit, switch power off at the service panel and follow appropriate lock out / tag out safety procedures.

FOR YOUR SAFETY

Read and observe all CAUTIONS and WARNINGS shown throughout these instructions.

- Installation to be performed by factory trained service personnel only.
- Not for food contact zones.

⚠ CAUTION

Risk of injury. While performing installations described, gloves, safety glasses or goggles should be worn.



PREPARE ELECTRICAL WIRING

Electrical Requirements

- The power supply must be supplied with 120V, 60Hz or 240V, 50Hz and connected to an individual properly grounded branch circuit, protected by a 15 or 20 ampere circuit breaker.



Grounding Instructions

- The grounding and bonding of the overall system shall be done in accordance with National Electric Code (NEC) Article 600.

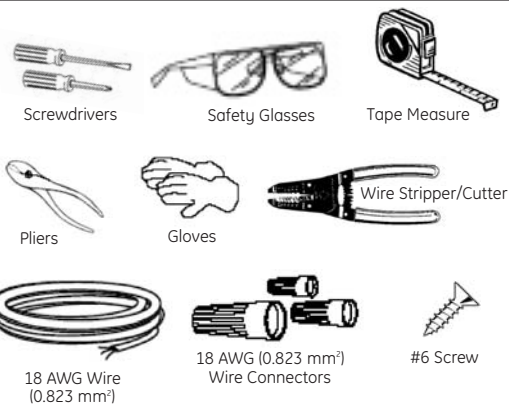


imagination at work

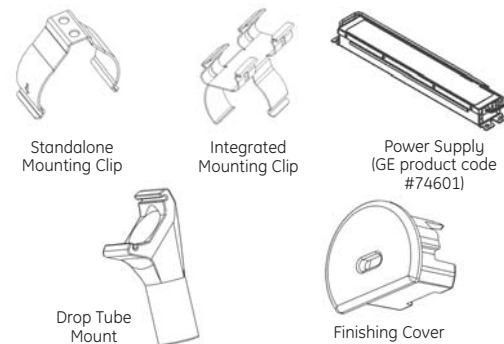
LED Light



Tools Needed



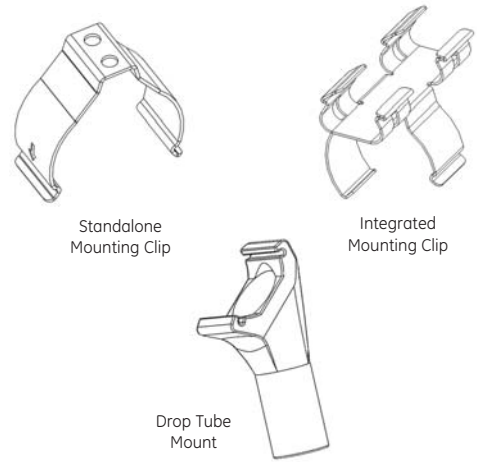
Accessories



1

Select Mounting Method

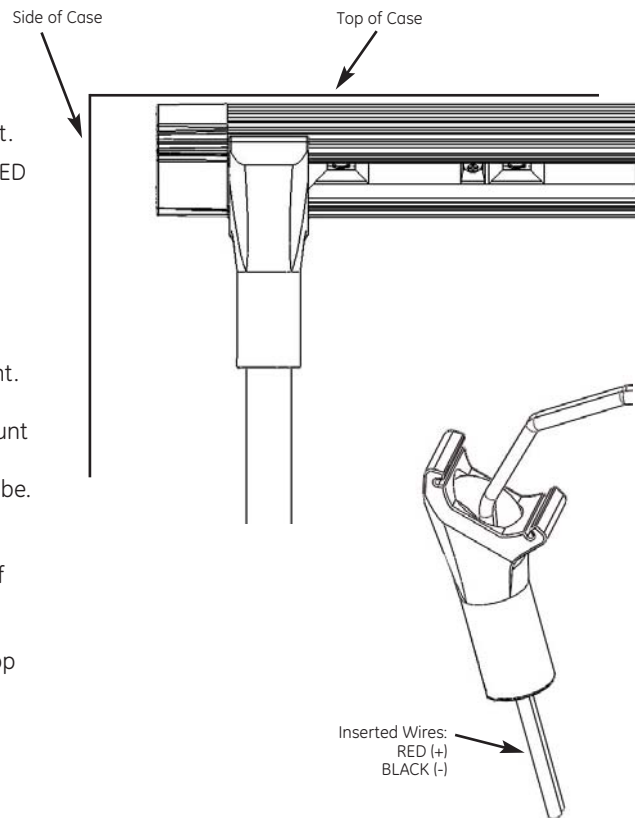
- There are three mounting accessories available enabling convenient and flexible installation options.
- Select which of the three methods best fits the needs of your application:
 - A. Drop tube mount
 - B. Standalone mounting clip
 - C. Integrated extrusion mounting clip
- Follow the instructions outlined below (2A, 2B or 2C) for the method you selected.



2A

Method 1: Drop Tube Mount (without clips)

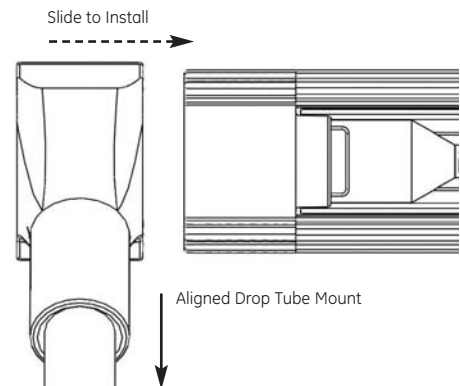
- Determine proper location for drop tube mount placement.
NOTE: To maintain light uniformity throughout the case, LED light should be evenly centered in the case.
- Drill drop tube hole in accordance with custom design characteristics of individual display case.
- Insert LED light electrical wires through drop tube mount and gently pull any excess wire completely through mount.
- Prior to attaching drop tube mount, ensure drop tube mount is facing appropriate direction to ensure that LED light will illuminate display case correctly once attached to drop tube.
- Attach drop tube mount to LED light by sliding onto end closest to wires. The drop tube mount should rest inside of the end cap.
- Thread wires through drop tube completely and insert drop tube into drop tube mount.
- Attach second drop tube mount to the opposite end.
- **OPTIONAL:** Finishing covers may be inserted into opening on each end cap for a more polished look.



Proceed to Step 3

CAUTION

Risk of Damage. Ensure drilled holes do not contain burrs or sharp edges as it may cause damage to electrical wires once LED light is installed.



2_B

Method 2: Standalone Mounting Clips

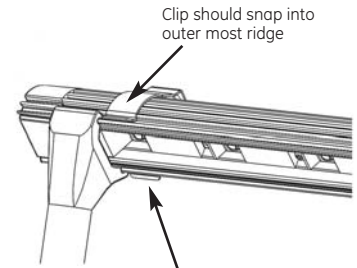
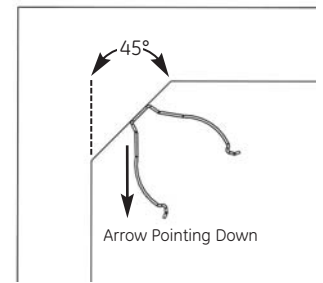
(used with or without drop tube mount)

- Determine proper location for mounting clip placement. Note: to maintain light uniformity throughout the case, LED light should be evenly centered in the case.
 - Drill mounting clip holes in accordance with custom design characteristics of individual display case.
 - Mounting clip hole(s) shall be inward from end of LED light, with clearance for the drop tube mount if needed.
 - Place first mounting clip against inside of display case so that it is aligned with pre-drilled holes.
 - Rotate mounting clip so that side with arrow is on bottom.
 - Insert appropriate #6 screws into holes on mounting clip. Use screwdriver to thread screws into drilled holes.
 - Repeat for second mounting clip on opposite side.
 - Align LED light with mounting clips so LEDs are facing display case interior.
 - Snap LED light into mounting clips by placing one edge of LED light into ship edge and gently rotating until the opposite edge firmly locks into mounting clip.
- NOTE:** Ensure mounting clips lock into outer most edge of LED light casing.
- Insert LED light electrical wires through drop tube mount or constructed wire channel and gently pull any excess wire completely through. Insert drop tube into drop tube mount if applicable.
 - **OPTIONAL:** Finishing covers may be inserted into opening on each end cap for a more polished look.

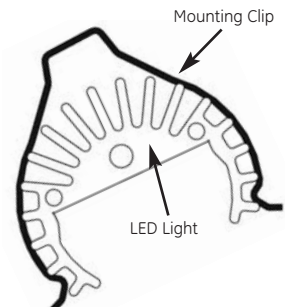
Proceed to Step 3

NOTE

Mounting clips should be installed so that LED light will attach to each mounting clip near outer metal edge of LED light. If used, drop tube mount should be placed between mounting clip and edge of LED light.



NOTE: When used together, standalone mounting clips should be placed to the inside of the drop tube mount.



2_C

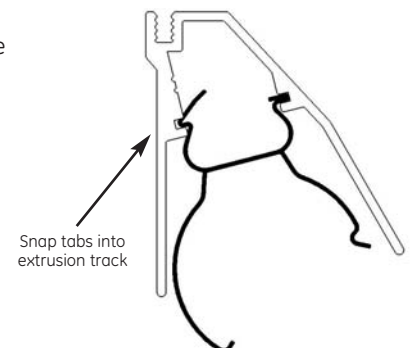
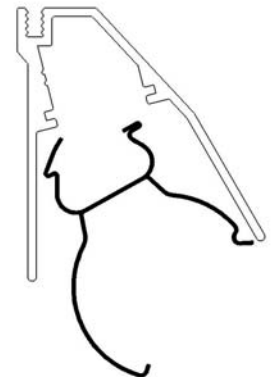
Method 3: Integrated Extrusion Mounting Clip

- Affix mounting clips into extrusion channel by inserting folded clip edge into extrusion track farthest from case wall and gently rotating opposite clip edge up until it snaps into position.
 - Align LED light with mounting clips so LEDs are facing display case interior.
 - Snap LED light into mounting clips by placing one edge of LED light into ship edge and gently rotating until the opposite edge firmly locks into mounting clip.
- NOTE:** Ensure mounting clips lock into outer most edge of LED light casing.
- Insert LED light electrical wires through extrusion end or constructed wire channel and gently pull any excess wire completely through.
 - **OPTIONAL:** Finishing covers may be inserted into opening on each end cap for a more polished look.

Proceed to Step 3

NOTE

Mounting clips should be installed so that LED light will attach to each mounting clip near outer metal edge of LED light.



3

Electrical Connections

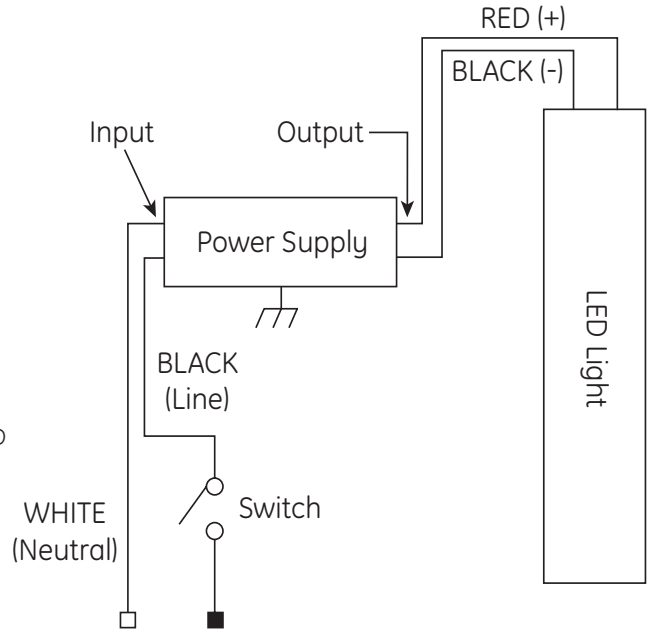
- Attach power supply (GE product code #74601) to display case in preferred location in accordance to local and national electrical codes. Refer to authority having jurisdiction for additional guidelines.
- Connect source line (black) and neutral (white) wires (or Line 1 and Line 2 wires for 240 nominal VAC) to the input power supply leads using wire connectors.
- Attach LED power supply to a ground point in the display case either directly with a screw, or by using green wire to attach to a remote ground point.
- Connect black (-) wire from LED light to 18 AWG (0.823 mm²) black wire from the power supply. Connect red (+) wire from LED light to 18 AWG (0.823 mm²) red wire from the power supply.

NOTE: Adding additional supply wire is not recommended.

NOTE: Grounding and bonding must be done in accordance with NEC article 600.

NOTE

Refer to the Power Supply Install Instructions for GE product code #74601 for more information on the power supply.



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Removal Instructions

Mounting Clip Installation

- Using a flat blade screwdriver, insert flat end between LED light heat sink and mounting clip on non-wired end.
- With a free hand grab LED light.
- Push screwdriver away from LED light making sure screwdriver does not hit reflector.
- Twist LED light in opposite direction with free hand until it pops off mounting clip.
- Repeat process for remaining mounting clip making sure you support LED light with free hand.

Drop Tube Installation

- Loosen drop tube supports and slide tubes down.
- Pull off drop tube mounts with LED light still attached.

5

Cleaning Instructions

- The LED light may be dusted as needed with a dry, clean, soft cloth.
- Do not use chemical cleaners to clean the system.
- Do not wipe with a soiled dishcloth or wet towel – these may leave a residue that can damage the finish.
- Do not use scouring pads, powdered cleaners, bleach or cleaners containing bleach because these products can scratch and damage the finish.

For additional product and application information, please consult GE's Website: www.gelighting.com

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