

# Merge - Linear Suspension with Emergency Battery Backup

1.0



MERGE

## GENERAL PRODUCT INFORMATION:



This product is suitable for dry locations.

Maximum run length per branch circuit power feed is 80ft.

Maximum run length for low-voltage busbar is 40ft; Multiple 40ft runs may be combined using multiple transformers.

Maximum loading of the low-voltage busbar is 240W (20 AMPS).

This instruction shows a typical installation.

## CAUTION - RISK OF FIRE

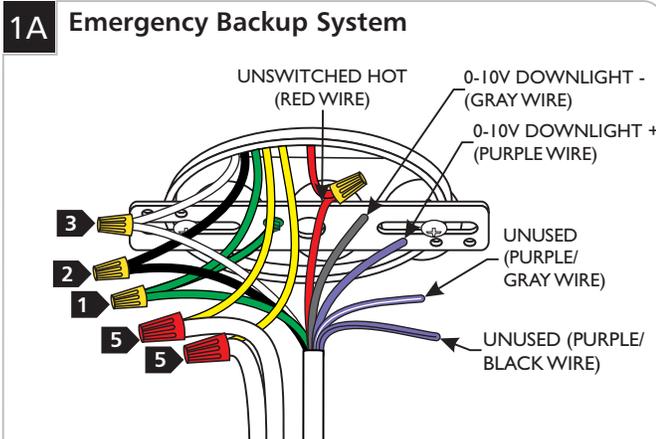
This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.

**Use minimum 90°C supply conductors.**

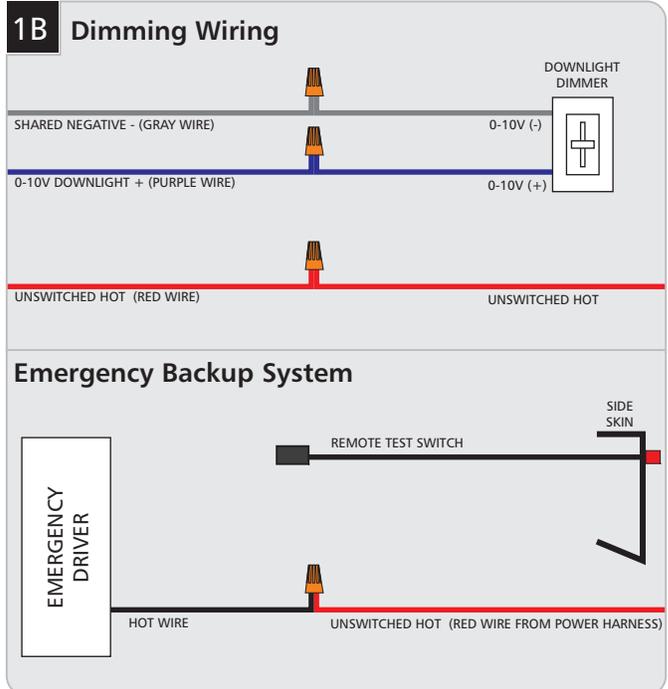
**NOTE: Follow these instructions instead of those provided with the power canopy to wire the main dimmable power drop as well as the constant emergency backup line.**

**SAVE THESE INSTRUCTIONS!**

## Install the Emergency Battery Backup (Units without Uplights Only)



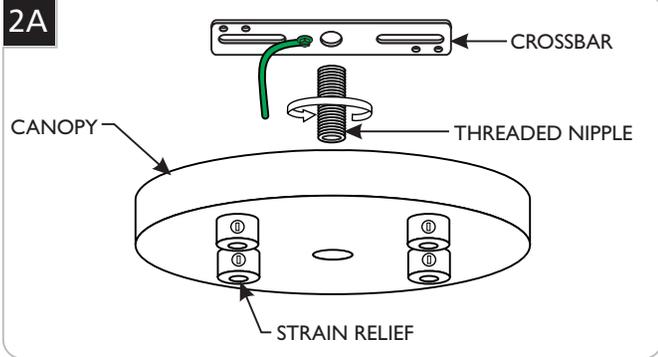
- 1 Connect the crossbar and the fixture ground wire to a suitable ground in accordance with local electrical codes.
- 2 Connect the black fixture wire to the hot power line wire with a wire nut.
- 3 Connect the white fixture wire to the neutral power line wire with a wire nut.
- 4 Connect 0-10V dimming wires as shown.
- 5 Connect the fixture's low-voltage wires to the remote transformer's low-voltage power lines.
- 6 Connect the red wire to a constant (unswitched) hot power line with a wire nut.



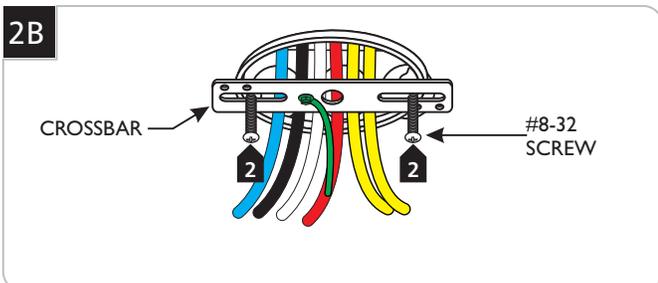
- 7 Connect the unswitched hot red wire from the power harness to the emergency driver.
- 8 Connect the test switch mounted to one of the side skins to the emergency driver. **SKIP TO STEP 3A**

# Install the Emergency Battery Backup (Units with Uplights Only)

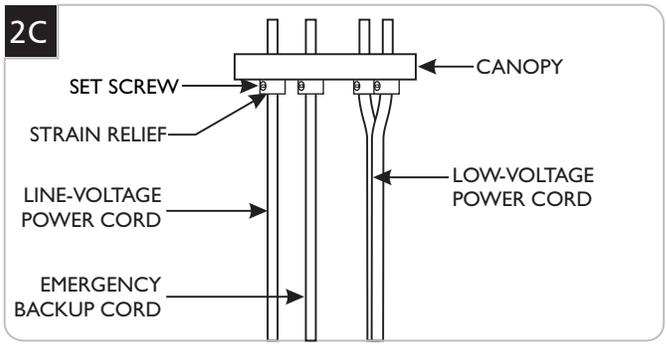
**NOTE:** Use the special emergency backup canopy provided with the fixture. A constant (unswitched) hot power supply must be provided along with the switched upright, downlight and low-voltage power supplies. The unswitched hot will be used to charge the emergency backup battery.



**1** Remove the crossbar from the canopy and separate it from the threaded nipple by completely unscrewing it out.

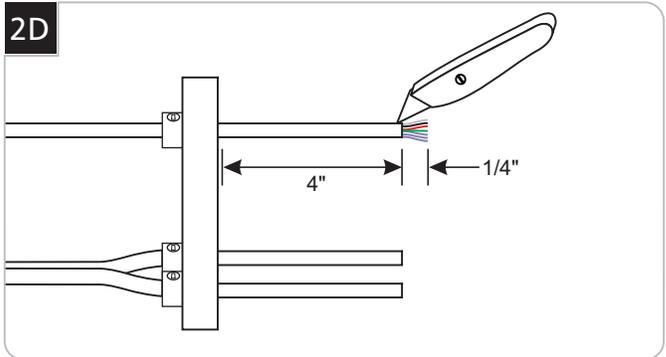


**2** Mount the crossbar assembly to the electrical box with the two provided #8-32 screws.

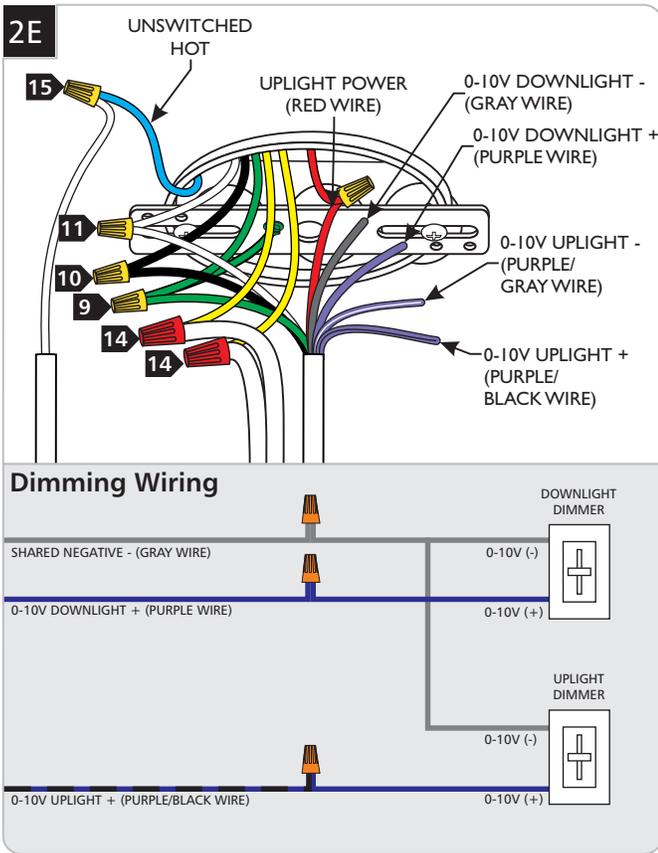


**NOTE:** The power cord does not support the fixture. For a casual “lazy cord” look, cut the power cord several inches longer than the drop height of the fixture.

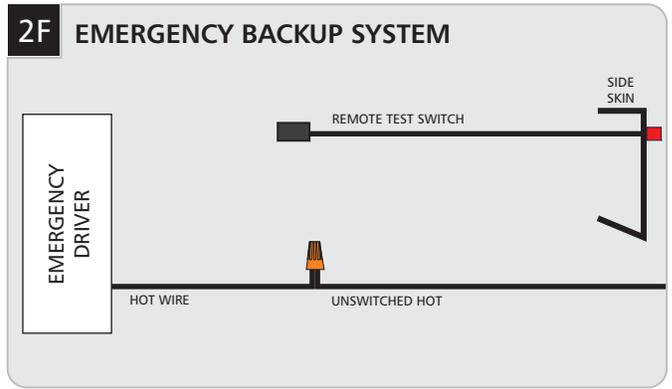
- 3** Loosen (**Do Not Remove**) the set screws on the strain reliefs.
- 4** With the planned height of the fixture in mind, feed the line-voltage and low-voltage (cord must be split) power cord through the strain reliefs until the desired look is achieved.
- 5** Tighten the set screws on the strain reliefs.



- 6** Leave 6" of the cord behind the canopy for power connections. Cut the excess cord.
- 7** From the end of the cord, strip the insulation 4" using a sharp knife. **Make sure not to nick the inner wires.**
- 8** Strip 1/4" of insulation from the end of the inner insulated wires.

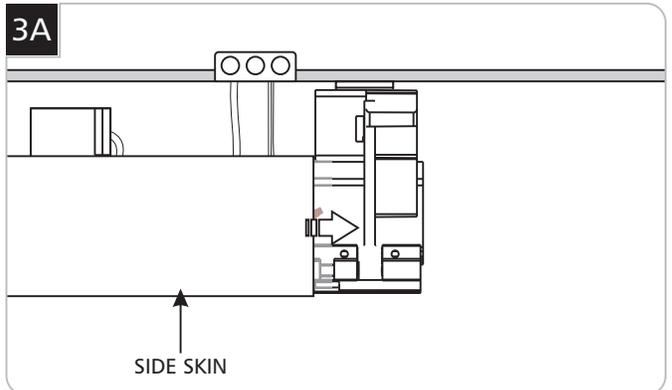


- 9 Connect the crossbar and the fixture ground wire to a suitable ground in accordance with local electrical codes.
- 10 Connect the black fixture wire to the hot downlight power line wire with a wire nut.
- 11 Connect the white fixture wire to the neutral power line wire with a wire nut.
- 12 Connect the red wire to the uplight power wire.
- 13 Connect 0-10V dimming wires as shown.
- 14 Connect the fixture's low-voltage wires to the remote transformers low-voltage power lines.
- 15 Connect one of the emergency backup cord wires to the constant (unswitched) hot power line wire with a wire nut.
- 16 Mount the canopy to the electrical box as shown in the standard canopy instructions.



- 1 Connect the unswitched hot red wire from the power harness to the emergency driver.
- 2 Connect the test switch mounted to one of the side skins to the emergency driver.

## Install the Side Skins



- 1 Install the side skins by pivoting them into place an inch or two away from their final location and sliding them into place.



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