## Merge Flush Mount

#### ELEMENT a brand of TECHLIGHTING

#### 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:** Due to the complexity of this fixture, assistance is recommended for installation.

# Identify the Fixtures and Configuration (Continuous run installations only)



1.1

## Prepare for the Fixtures







The mounting locations for the mounting brackets are 1" from the seam between adjoining fixtures and are 1" in from the end. If installing a single fixture, mounting locations will be a 1" in from both ends. Using the provided diagram, mark the anchor location on the ceiling/grids for each model in the configuration. See example configuration. Mark a line representing the entire length of the center line of the run of fixtures.

**Alternate Marking:** Lay the fixture configuration on the floor underneath the installation location, and use a laser plumb bob to project the location of the anchor onto the ceiling/grid. Mark the locations.

#### Install the Flush Ceiling Brackets (Ceiling)



1 At the mark point, tap the anchor into the ceiling up to the threaded portion with a hammer.



2 Screw the anchor in the rest of the way with a Phillips screwdriver.



- Mount the flush ceiling bracket to the anchor with the #8 screw.
- A Repeat the steps 1 through 3 for the remaining marked points.

### Install the Flush Ceiling Brackets (Grid)



- 1 Select the locations on the grids where the standoffs will be mounted.
- 2 Push the T-bar connector flat section against the grid. Rotate the T-bar connector until the tabs on the T-bar connector snap behind the grid.



- Mount the bracket to the T-bar connector with the nut.
- A Repeat steps 1 through 3 for the remaining marked points.

#### Install the Ceiling Panels



1 Use the ceiling panels provided to mark the locations for more anchors or T-bar connectors.



Install the anchors or T-bar connectors as described earlier.

2 Mount the ceiling panels with the appropriate screw or nuts.

Modify the ceiling panel which would cover the junction box or exit point of the power wires as necessary.

#### Install the Power Feed Wires



#### For Programmable White Option:

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**6** Use the purple/ gray wire as the positive line on the color changing switch.

#### For Emergency Battery Backup Option:

**7** Use the red wire as an unswitched hot line to charge the battery.

## Install the Fixture



- 1 Raise the first fixture up to the ceiling brackets so that the nuts on the studs pass through the cross braces at either end.
- 2 Try to locate the end of the fixture with LED drivers close to the power feed.



- Insert the flush clips between the nut and the cross brace to support the fixture.
- **4** Tighten the nuts to bring the unit snug almost to the ceiling.
- **5** If installing a single fixture, skip to section 9.



6 Repeat steps 1-4 for the next fixture(s).



Install a 2-1/2" screw at each fixture joint. Use the hex wrench provided to tighten the screw and pull the fixtures together and minimize the seam between the reflectors when seen from below.



- 8 Feed the female power and control connectors into the adjacent fixture and connect them to the male connectors.
- **9** Feed the low-voltage wires also into the adjacent fixture and connect them using the provided wire nuts.
- 10 Repeat steps 8-9 for the rest of the connecting fixtures.

## Connect the Power Feed





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

# Install the End Caps



Remove the black gaskets from the end where present. Secure the end cap plate to both fixture ends using the provided plate screws.

2 Install new light gaskets as shown on both ends.

Install the end caps by aligning the spring clips to the fixture and pushing them in until they snap in place.

# Notes

## SAVE THESE INSTRUCTIONS!



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