

HF²Chain X3 LED Lighting System

Advanced LED Modules for Signage



Key Features & Benefits

- Versatile product configurations available to fit any signage application:
 - X3-L180 White and X3-L160 Red feature high lumen output
 - X3-L120 White features standard lumen output
- Batwing Lens Design – 155° Beam Angle promotes uniform surface illumination over a broad face area
- Higher light output with fewer modules per foot translates to energy savings, installation labor savings, and cost savings
- IP66 rated to protect against dust, moisture, and condensation in outdoor operation
- Durable connecting wires minimize strain between modules
- No additional accessories or heat sinking required
- Can be cut between each module, allowing the sign builder to fine-tune light output
- 3M™ adhesive foam backing on modules for use as an installation aid

The HF²Chain X3 LED Lighting System is an ideal and cost-effective solution for signage. Compared to traditional neon and fluorescent sources, the HF²Chain X3 LED Lighting System reduces manufacturing costs, increases sign durability, and allows more versatility in sign design.

The HF²Chain X3 is available in White and Red, as well as in multiple power levels based on the color of the chain and the intended application. The X3-L180 White and X3-L160 Red are equipped with an optimized optical lens and feature high lumen output for maximal performance in signs of all shapes and sizes. For even shallower signs and superior energy savings, the X3-L120 White also employs specialized optics to provide ideal performance.

The HF²Chain X3 LED Lighting System ships in 100 foot chains consisting of 200 LED Modules each. This innovative packaging reduces waste and minimizes labor associated with splicing. The HF²Chain X3 is protected by an IP66 rated durable housing which creates a seal against dust and moisture. The HF²Chain X3 also features an advanced interconnection system, which mitigates the strain between modules, making the chain impervious to pulling and stretching.

The HF²Chain X3 LED Lighting System is optimally paired with OPTOTRONIC® 12Vdc Power Supplies. The HF²Chain X3 LED Lighting System is listed in the UL Sign Components Manual (SAM) and is suitable for use in new signage or as a retrofit.

Product Offering

Ordering Abbreviation	Wattage	Color
L180CM/12V/865/IP66	1.8W per foot	White (6500K)
L120CM/12V/865/IP66	1.2W per foot	White (6500K)
L160CM/12V/RED/IP66	1.6W per foot	Red (633nm)

Application Information

Applications

- Backlighting of advertising panels
- Box signs
- Channel letters
- Reverse halo signs

Specifications and Certifications

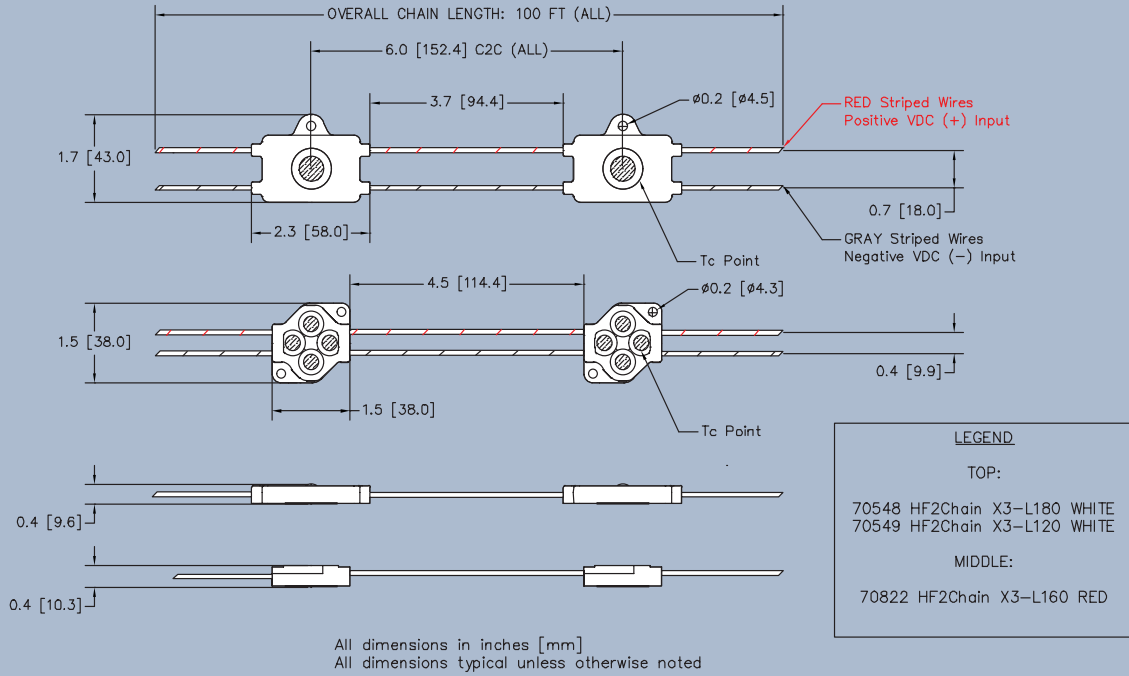


Listed in the Sign Components Manual (SAM) (File # E258264)



The HF²Chain X3 is UL Classified for sign retrofit (UL file # E311887)

Assembly Diagram



Wiring Diagram

