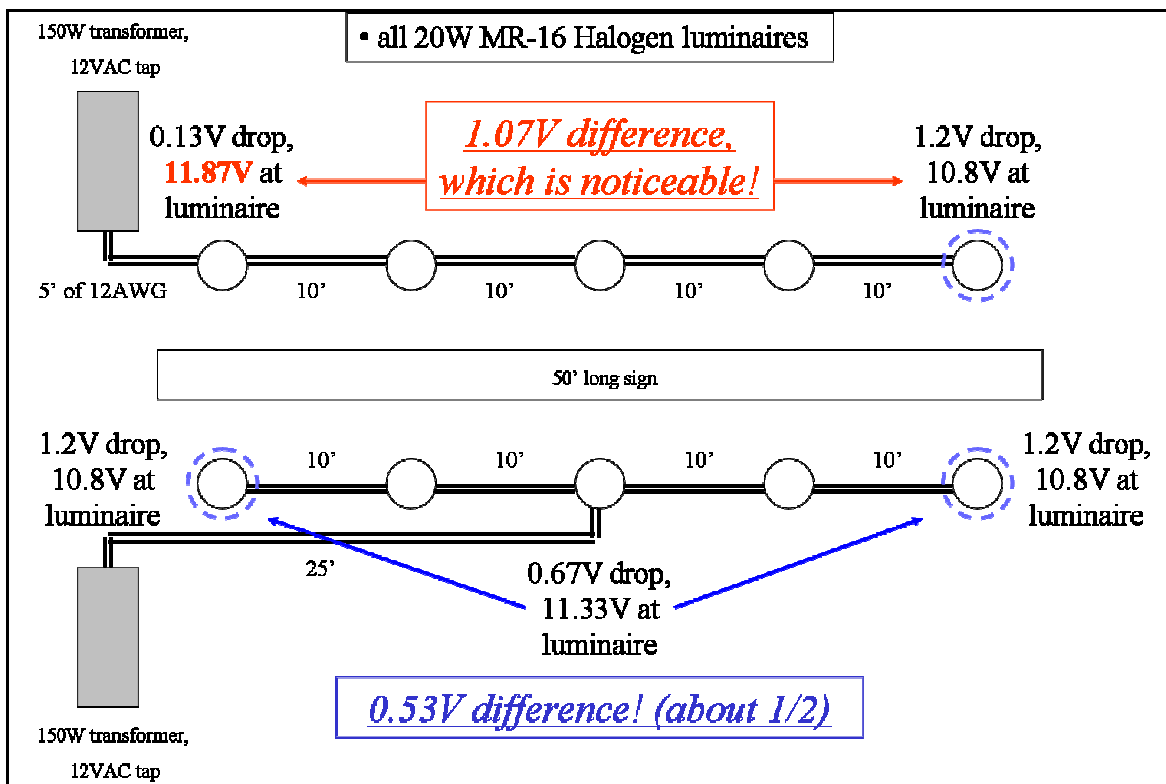


Luxflo™ LED Systems: Optimum Performance

Brilliant White Light, Even Illumination, and Flexible Installations

Traditional low voltage lighting systems, based upon MR-16 and other halogen lamps, require planning and foresight to accommodate the input range of the lamps and to strive for even illumination. Typically, center-fed ‘T’ runs are recommended to overcome the effects of voltage drops that are encountered in low voltage systems – see illustration below.



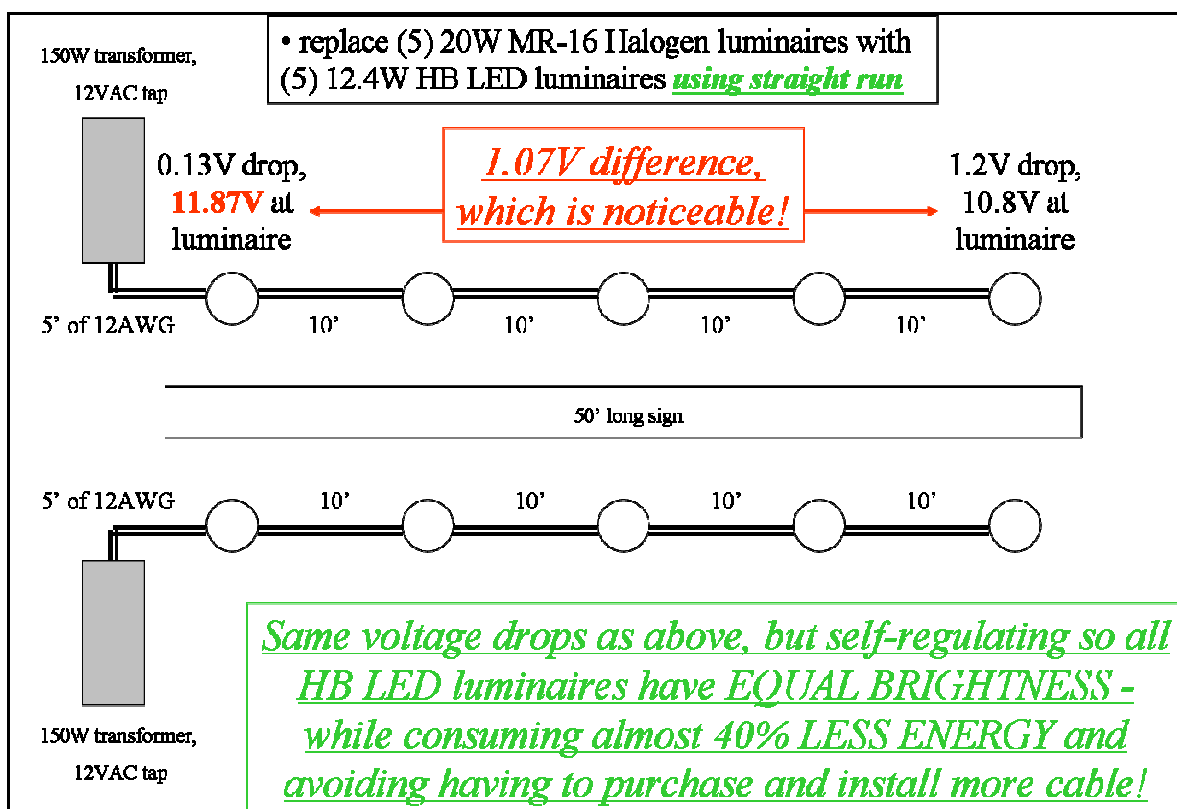
Note how the ‘T’ system balances illumination levels across the sign and minimizes voltage drop, ensuring each luminaire’s input voltage remains within the optimum 10.8-11.5 VAC range. It also eliminates the noticeable difference in light levels from the first to the last luminaire in the linear installation. However, it accomplishes these desired effects at the expense of 25’ of wire required from the transformer to the center of the ‘T’, which adds wire and installation costs.

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Enter Bronzelite's Luxflo LED system. Optimum performance and greater flexibility in system design are assured through:

- **self-regulating luminaires** that constantly and automatically correct the input power to optimum levels for each LED – which maximizes brightness, ensures optimum operation, and extends life
- a more forgiving **10.8 – 17.5 input voltage range** that alleviates voltage drop concerns, enabling a return to linear installations.

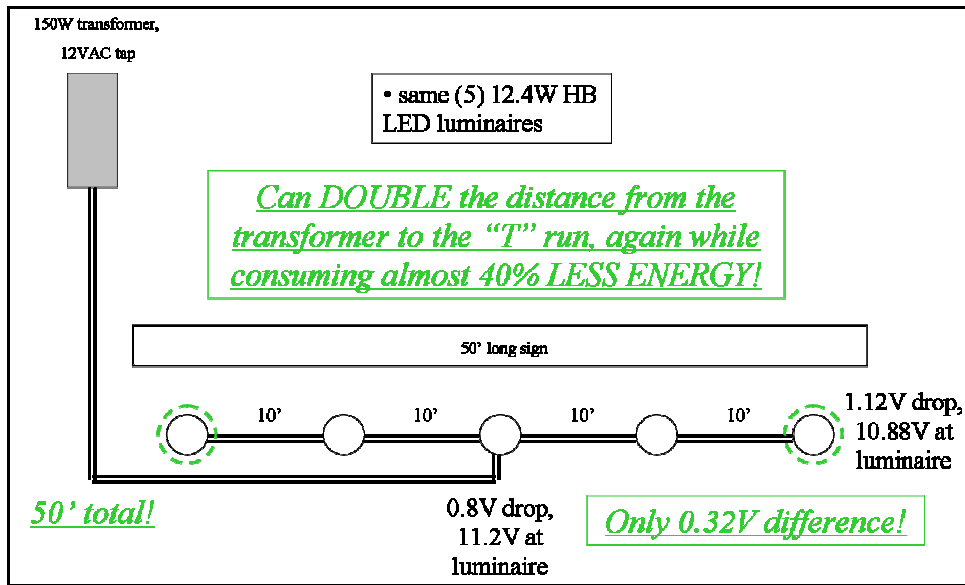
Remember the problematic linear halogen installation above? As illustrated below, substitute Luxflo LED luminaires, and you are now within acceptable input voltage levels AND the self-regulation ensures even illumination with equal brightness – while consuming up to 40% less energy, providing 50,000 hours with up to 70% lumen maintenance, and avoiding the expense and extra planning associated with center-fed 'T' systems!



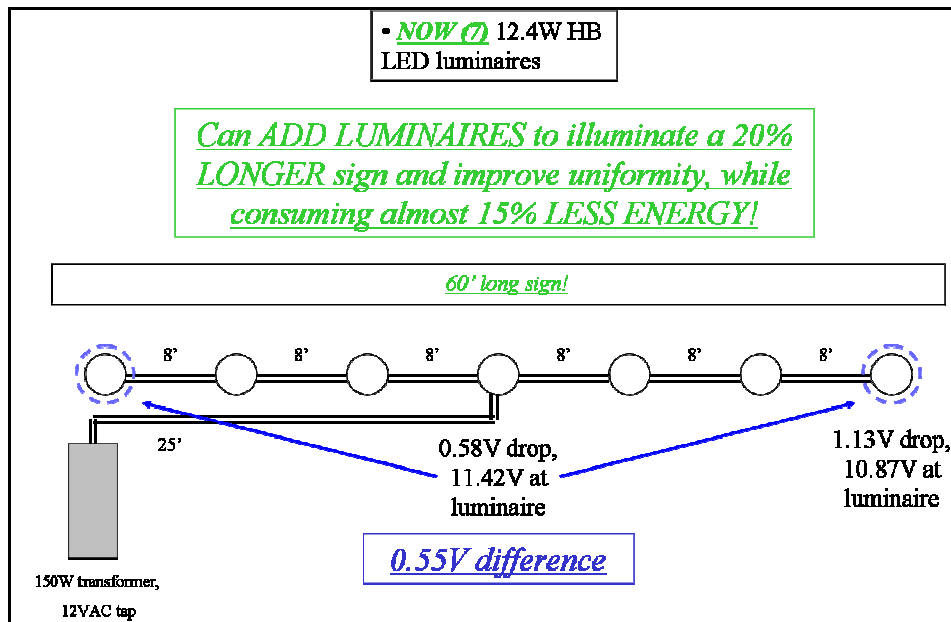
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Already have the center-fed 'T' system installed? No problem! Simply retrofit your system with Luxflo LED luminaires, and you broaden your system capabilities!

You now have the ability to double the distance from the transformer to the center-fed 'T':



or to add more LED luminaires to illuminate a larger area and improve uniformity:



all while consuming less energy and extending the useable life of your system!

There really is no comparison! Bronzelite Luxflo LED Systems.



**Information Brief IB1 – Luxflo™ LED Systems: Optimum Performance
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