SPJ LIGHTING Inc.
ARCHITECTURAL LANDSCAPE & OUTDOOR LIGHTING

The Innovation Continues...

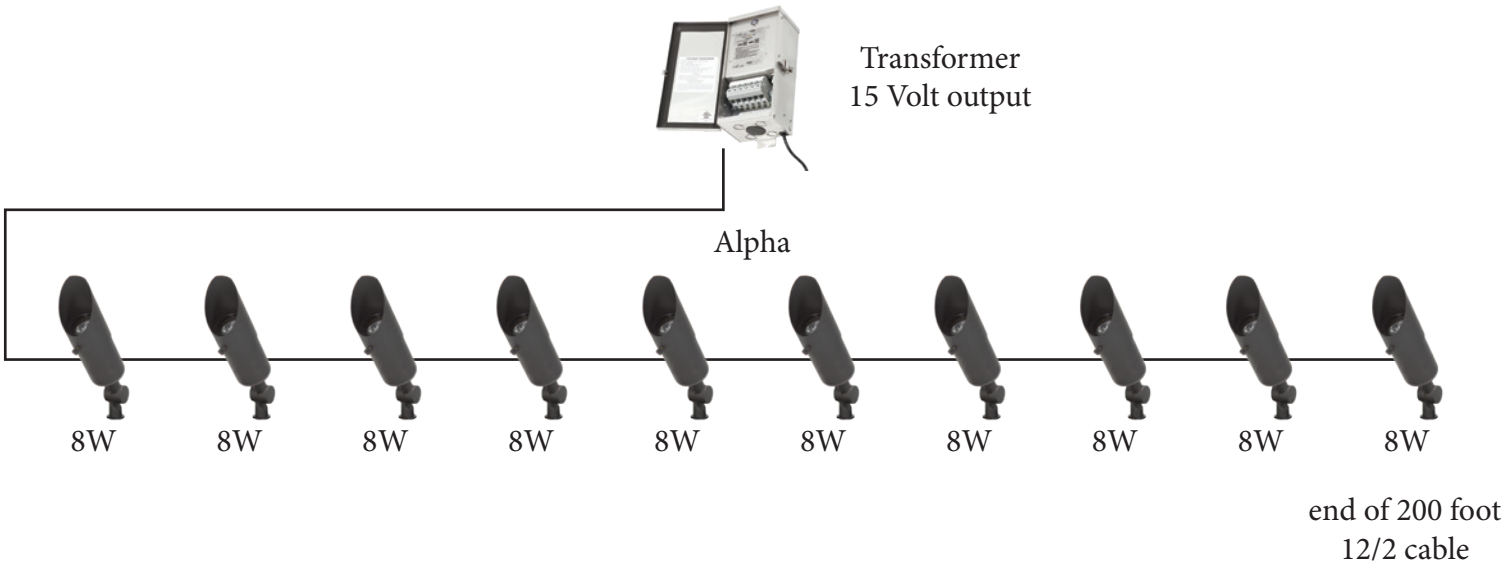
Voltage Drop Formula

Formula:
Length of Cable x Total watts on that run divided by the cable constant.

#12 cable constant is 7490. If you have 200 foot run and 10 Alphas.

Example:
200 (Length) x 80 watts = 16000 (total watts) / 7490 (cable constant) = 2.14 (voltage drop)

Voltage drop is 2.14. If you start with 15v, and you lose 2.14 then you have 12.86v at the end of 200 foot 12/2.



SPJ Decisive Advantage:
Installations made easy by our Innovative Engine Design! Our USA made engines maintain the same brightness receiving 10V, 11V - 15V! Dimming will start when fixtures receives less than 10V.