Landscape Lighting Technical Data

Voltage Drop Formula

$$\frac{\text{Total Watts on Cable} \times \text{Length of Run in Feet}}{\text{Cable Size Constant (see Chart at right)}} = \text{Voltage Drop}$$

Cable Size Constants

#18	1380
#16	2200
#14	3500
#12	7500
#10	11920
#8	18960
#6	30150

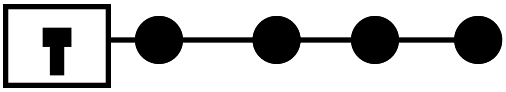
Effect of Voltage on Lamp/Life Output

Voltage at Lamp	Life Expectancy of Lamp	% of Rated Candlepower
13.2	2/3 rated life	350
12.6	3/4 rated life	180
12.0	**AS RATED**	**100**
11.5	2 x rated	80
11.0	3 x rated	75
10.75	4 x rated	70*
10.5	5 x rated	65
10.0	9 x rated	50

* Lowest recommended Candlepower output.

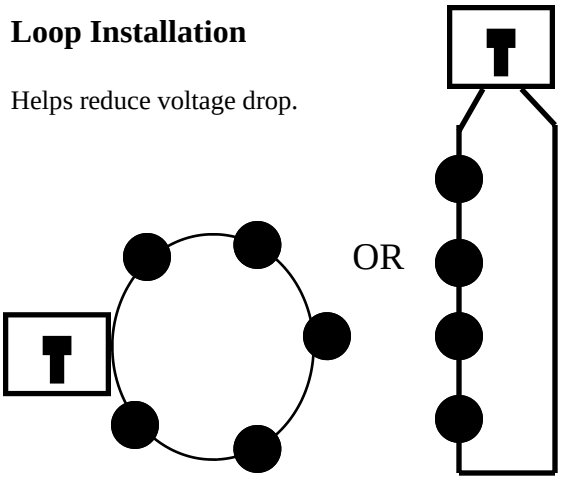
Design Options

Straight Run Installation

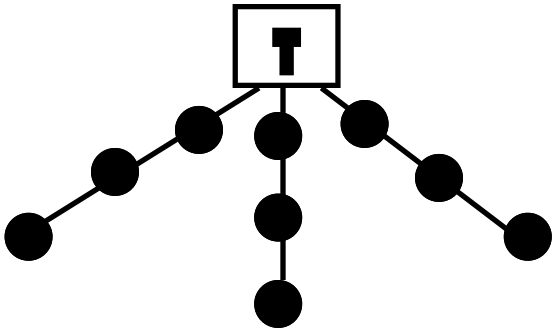


Loop Installation

Helps reduce voltage drop.



Split Load Installation



"T" Installation