

APPENDIX

VOLTAGE DROP CHART

Based on 16.4ft (5m) roll

Voltage Drop for 12 VDC 1.5W / ft LED Tape (LP0 / LP1)				Voltage Drop for 24 VDC 1.5W / ft LED Tape (LP0 / LP1)				Voltage Drop for 24 VDC 2.9W / ft LED Tape (LP2)				Voltage Drop for 24 VDC 4.4W / ft LED Tape (LP3)			
Dist.	18AWG	20AWG	22AWG	Dist.	18AWG	20AWG	22AWG	Dist.	18AWG	20AWG	22AWG	Dist.	18AWG	20AWG	22AWG
5 ft.	11.87 V	11.80 V	11.68 V	5 ft.	11.93 V	11.90 V	11.84 V	5 ft.	23.87 V	23.80 V	23.68 V	5 ft.	23.81 V	23.70 V	23.52 V
10 ft.	11.74 V	11.59 V	11.35 V	10 ft.	11.87 V	11.80 V	11.68 V	10 ft.	23.74 V	23.59 V	23.35 V	10 ft.	23.62 V	23.39 V	23.03 V
15 ft.	11.62 V	11.39 V	11.03 V	15 ft.	11.81 V	11.70 V	11.52 V	15 ft.	23.62 V	23.39 V	23.03 V	15 ft.	23.43 V	23.09 V	22.55 V
20 ft.	11.49 V	11.19 V	10.71 V	20 ft.	11.74 V	11.59 V	11.35 V	20 ft.	23.49 V	23.19 V	22.71 V	20 ft.	23.23 V	22.78 V	22.06 V
25 ft.	11.36 V	10.98 V	10.39 V	25 ft.	11.68 V	11.49 V	11.19 V	25 ft.	23.36 V	22.98 V	22.39 V	25 ft.	23.04 V	22.48 V	21.58 V
30 ft.	11.23 V	10.78 V	10.06 V	30 ft.	11.62 V	11.39 V	11.03 V	30 ft.	23.23 V	22.78 V	22.06 V	30 ft.	22.85 V	22.17 V	21.09 V
35 ft.	11.11 V	10.58 V	9.74 V	35 ft.	11.55 V	11.29 V	10.87 V	35 ft.	23.11 V	22.58 V	21.74 V	35 ft.	22.66 V	21.87 V	20.61 V
40 ft.	10.98 V	10.38 V	9.42 V	40 ft.	11.49 V	11.19 V	10.71 V	40 ft.	22.98 V	22.38 V	21.42 V	40 ft.	22.47 V	21.56 V	20.13 V
45 ft.	10.85 V	10.17 V	9.09 V	45 ft.	11.43 V	11.09 V	10.55 V	45 ft.	22.85 V	22.17 V	21.09 V	45 ft.	22.28 V	21.26 V	19.64 V
50 ft.	10.72 V	9.97 V	8.77 V	50 ft.	11.36 V	10.98 V	10.39 V	50 ft.	22.72 V	21.97 V	20.77 V	50 ft.	22.08 V	20.95 V	19.16 V
55 ft.	10.60 V	9.77 V	8.45 V	55 ft.	11.30 V	10.88 V	10.22 V	55 ft.	22.60 V	21.77 V	20.45 V	55 ft.	21.89 V	20.65 V	18.67 V
60 ft.	10.47 V	9.56 V	8.13 V	60 ft.	11.23 V	10.78 V	10.06 V	60 ft.	22.47 V	21.56 V	20.13 V	60 ft.	21.70 V	20.34 V	18.19 V
65 ft.	10.34 V	9.36 V	7.80 V	65 ft.	11.17 V	10.68 V	9.90 V	65 ft.	22.34 V	21.36 V	19.80 V	65 ft.	21.51 V	20.04 V	17.70 V
70 ft.	10.21 V	9.16 V	7.48 V	70 ft.	11.11 V	10.58 V	9.74 V	70 ft.	22.21 V	21.16 V	19.48 V	70 ft.	21.32 V	19.74 V	17.22 V
75 ft.	10.08 V	8.95 V	7.16 V	75 ft.	11.04 V	10.48 V	9.58 V	75 ft.	22.08 V	20.95 V	19.16 V	75 ft.	21.13 V	19.43 V	16.74 V
80 ft.	9.96 V	8.75 V	6.83 V	80 ft.	10.98 V	10.38 V	9.42 V	80 ft.	21.96 V	20.75 V	18.83 V	80 ft.	20.93 V	19.13 V	16.25 V
85 ft.	9.83 V	8.55 V	6.51 V	85 ft.	10.91 V	10.27 V	9.26 V	85 ft.	21.83 V	20.55 V	18.51 V	85 ft.	20.74 V	18.82 V	15.77 V
90 ft.	9.70 V	8.34 V	6.19 V	90 ft.	10.85 V	10.17 V	9.09 V	90 ft.	21.70 V	20.34 V	18.19 V	90 ft.	20.55 V	18.52 V	15.28 V
95 ft.	9.57 V	8.14 V	5.87 V	95 ft.	10.78 V	10.07 V	8.93 V	95 ft.	21.57 V	20.14 V	17.87 V	95 ft.	20.36 V	18.21 V	14.80 V
100 ft.	9.45 V	7.94 V	5.54 V	100 ft.	10.67 V	9.97 V	8.77 V	100 ft.	21.45 V	19.94 V	17.54 V	100 ft.	20.17 V	17.95 V	14.31 V