

NOTE: Calculations include a standard 10% buffer

Power Supply	60W ELV/MLV Dimmable Driver		96W ELV/MLV Dimmable Driver		150W ELV/MLV Dimmable Driver		300W ELV/MLV Dimmable Driver	
Wire Gauge	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
24 AWG / 0.20 mm <sup>2</sup>	10	3.030	6	1.894	4	1.212	2	0.606
22 AWG / 0.33 mm <sup>2</sup>	17	5.128	11	3.205	7	2.051	3	1.026
20 AWG / 0.52 mm <sup>2</sup>	26	7.843	16	4.902	10	3.137	5	1.569
18 AWG / 0.82 mm <sup>2</sup>	42	12.698	26	7.937	17	5.079	8	2.540
16 AWG / 1.31 mm <sup>2</sup>	67	20.513	42	12.821	27	8.205	13	4.103
14 AWG / 2.08 mm <sup>2</sup>	107	32.520	67	20.325	43	13.008	21	6.504
12 AWG / 3.31 mm <sup>2</sup>	168	51.282	105	32.051	67	20.513	34	10.256
10 AWG / 5.26 mm <sup>2</sup>	265	80.808	166	50.505	106	32.323	53	16.162
8 AWG / 8.37 mm <sup>2</sup>	417	126.984	260	79.365	167	50.794	83	25.397

Power Supply	60W Dimmable Integrated Driver		90W Dimmable Integrated Driver		0-10V Dimmable 96W Waterproof Driver		0-10V Dimmable 288W Waterproof Driver	
Wire Gauge	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
24 AWG / 0.20 mm <sup>2</sup>	10	3.030	7	2.020	6	1.894	0	1.894
22 AWG / 0.33 mm <sup>2</sup>	17	5.128	11	3.419	11	3.205	11	3.205
20 AWG / 0.52 mm <sup>2</sup>	26	7.843	17	5.229	16	4.902	16	4.902
18 AWG / 0.82 mm <sup>2</sup>	42	12.698	28	8.466	26	7.937	26	7.937
16 AWG / 1.31 mm <sup>2</sup>	67	20.513	45	13.675	42	12.821	42	12.821
14 AWG / 2.08 mm <sup>2</sup>	107	32.520	71	21.680	67	20.325	67	20.325
12 AWG / 3.31 mm <sup>2</sup>	168	51.282	112	34.188	105	32.051	105	32.051
10 AWG / 5.26 mm <sup>2</sup>	265	80.808	177	53.872	166	50.505	166	50.505
8 AWG / 8.37 mm <sup>2</sup>	417	126.984	278	84.656	260	79.365	260	79.365

Power Supply	240W Non-dimming UL Recognized Electronic Driver		320W Non-dimming UL Recognized Electronic Driver		60W Compact Driver		96W Compact Driver	
Wire Gauge	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
24 AWG / 0.20 mm <sup>2</sup>	2	0.758	2	0.568	10	3.030	6	1.894
22 AWG / 0.33 mm <sup>2</sup>	4	1.282	3	0.962	17	5.128	11	3.205
20 AWG / 0.52 mm <sup>2</sup>	6	1.961	5	1.471	26	7.843	16	4.902
18 AWG / 0.82 mm <sup>2</sup>	10	3.175	8	2.381	42	12.698	26	7.937
16 AWG / 1.31 mm <sup>2</sup>	17	5.128	13	3.846	67	20.513	42	12.821
14 AWG / 2.08 mm <sup>2</sup>	27	8.130	20	6.098	107	32.520	67	20.325
12 AWG / 3.31 mm <sup>2</sup>	42	12.821	32	9.615	168	51.282	105	32.051
10 AWG / 5.26 mm <sup>2</sup>	66	20.202	50	15.152	265	80.808	166	50.505
8 AWG / 8.37 mm <sup>2</sup>	104	31.746	78	23.810	417	126.984	260	79.365

Power Supply	100W Dimmable DALI Driver		100W 2 Channel Dimmable DALI Driver		150W 4 Channel Dimmable DALI Driver		30W 24V Non-Dimming UL Listed Electronic Drivers	
Wire Gauge	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
24 AWG / 0.20 mm <sup>2</sup>	6	1.818	6	1.818	4	1.212	20	6.061
22 AWG / 0.33 mm <sup>2</sup>	10	3.077	10	3.077	7	2.051	34	10.256
20 AWG / 0.52 mm <sup>2</sup>	15	4.706	15	4.706	10	3.137	51	15.686
18 AWG / 0.82 mm <sup>2</sup>	25	7.619	25	7.619	17	5.079	83	25.397
16 AWG / 1.31 mm <sup>2</sup>	40	12.308	40	12.308	27	8.205	135	41.026
14 AWG / 2.08 mm <sup>2</sup>	64	19.512	64	19.512	43	13.008	213	65.041
12 AWG / 3.31 mm <sup>2</sup>	101	30.769	101	30.769	67	20.513	336	102.564
10 AWG / 5.26 mm <sup>2</sup>	159	48.485	159	48.485	106	32.323	530	161.616
8 AWG / 8.37 mm <sup>2</sup>	250	76.190	250	76.190	167	50.794	833	253.968

Power Supply	60W 24V Non-Dimming UL Listed Electronic Drivers		96W 24V Non-Dimming UL Listed Electronic Drivers		14W EM Backup Driver		12W 12V Constant Voltage Driver	
Wire Gauge	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
24 AWG / 0.20 mm <sup>2</sup>	10	3.030	6	1.894	30	9.019	12	3.788
22 AWG / 0.33 mm <sup>2</sup>	17	5.128	11	3.205	50	15.263	21	6.410
20 AWG / 0.52 mm <sup>2</sup>	26	7.843	16	4.902	77	23.343	32	9.804
18 AWG / 0.82 mm <sup>2</sup>	42	12.698	26	7.937	124	37.793	52	15.873
16 AWG / 1.31 mm <sup>2</sup>	67	20.513	42	12.821	200	61.050	84	25.641
14 AWG / 2.08 mm <sup>2</sup>	107	32.520	67	20.325	318	96.787	133	40.650
12 AWG / 3.31 mm <sup>2</sup>	168	51.282	105	32.051	500	152.625	210	64.103
10 AWG / 5.26 mm <sup>2</sup>	265	80.808	166	50.505	789	240.500	331	101.010
8 AWG / 8.37 mm <sup>2</sup>	417	126.984	260	79.365	1240	377.929	521	158.730

Power Supply	20 W		40 W		60 W		80W		100W	
Wire Gauge	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
24 AWG / 0.20 mm <sup>2</sup>	27	8.182	13	4.091	9	2.727	7	2.045	5	1.636
22 AWG / 0.33 mm <sup>2</sup>	45	13.846	23	6.923	15	4.615	11	3.462	9	2.769
20 AWG / 0.52 mm <sup>2</sup>	69	21.176	35	10.588	23	7.059	17	5.294	14	4.235
18 AWG / 0.82 mm <sup>2</sup>	112	34.286	56	17.143	37	11.429	28	8.571	22	6.857
16 AWG / 1.31 mm <sup>2</sup>	182	55.385	91	27.692	61	18.462	45	13.846	36	11.077
14 AWG / 2.08 mm <sup>2</sup>	288	87.805	144	43.902	96	29.268	72	21.951	58	17.561
12 AWG / 3.31 mm <sup>2</sup>	454	138.462	227	69.231	151	46.154	114	34.615	91	27.692
10 AWG / 5.26 mm <sup>2</sup>	716	218.182	358	109.091	239	72.727	179	54.545	143	43.636
8 AWG / 8.37 mm <sup>2</sup>	1125	342.857	562	171.429	375	114.286	281	85.714	225	68.571

  

Power Supply	120 W		140 W		160 W		180W		200W	
Wire Gauge	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
24 AWG / 0.20 mm <sup>2</sup>	4	1.364	4	1.169	3	1.023	3	0.909	3	0.818
22 AWG / 0.33 mm <sup>2</sup>	8	2.308	6	1.978	6	1.731	5	1.538	5	1.385
20 AWG / 0.52 mm <sup>2</sup>	12	3.529	10	3.025	9	2.647	8	2.353	7	2.118
18 AWG / 0.82 mm <sup>2</sup>	19	5.714	16	4.898	14	4.286	13	3.810	11	3.429
16 AWG / 1.31 mm <sup>2</sup>	30	9.231	26	7.912	23	6.923	20	6.154	18	5.538
14 AWG / 2.08 mm <sup>2</sup>	48	14.634	41	12.544	36	10.976	32	9.756	29	8.780
12 AWG / 3.31 mm <sup>2</sup>	76	23.077	65	19.780	57	17.308	50	15.385	45	13.846
10 AWG / 5.26 mm <sup>2</sup>	119	36.364	102	31.169	89	27.273	80	24.242	72	21.818
8 AWG / 8.37 mm <sup>2</sup>	187	57.143	161	48.980	141	42.857	125	38.095	112	34.286

  

Power Supply	220 W		240 W		260 W		280W		300W	
Wire Gauge	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
24 AWG / 0.20 mm <sup>2</sup>	2	0.744	2	0.682	2	0.629	2	0.584	2	0.545
22 AWG / 0.33 mm <sup>2</sup>	4	1.259	4	1.154	3	1.065	3	0.989	3	0.923
20 AWG / 0.52 mm <sup>2</sup>	6	1.925	6	1.765	5	1.629	5	1.513	5	1.412
18 AWG / 0.82 mm <sup>2</sup>	10	3.117	9	2.857	9	2.637	8	2.449	8	2.286
16 AWG / 1.31 mm <sup>2</sup>	17	5.035	15	4.615	14	4.260	13	3.956	12	3.692
14 AWG / 2.08 mm <sup>2</sup>	26	7.982	24	7.317	22	6.754	21	6.272	19	5.854
12 AWG / 3.31 mm <sup>2</sup>	41	12.587	38	11.538	35	10.651	32	9.890	30	9.231
10 AWG / 5.26 mm <sup>2</sup>	65	19.835	60	18.182	55	16.783	51	15.584	48	14.545
8 AWG / 8.37 mm <sup>2</sup>	102	31.169	94	28.571	87	26.374	80	24.490	75	22.857