

Replacement Lamps

Project:

Contractor:

ORDER NO.	REF. NO.	VOLT	WATTS	LAMP TYPE	LUMENS	BEAM CP
LIT006V3.6WW	909	6	3.6	Wedge Base	48	180
LIT006V5.4WW	939	6	5.4	Wedge Base	72	240
LIQ006V006WB	784	6	6	Bi-Pin Halogen	113	40
LI6006V006WB	H7556	6	6	Halogen Sealed Beam	107	400
LIT006V006WD	82	6	6	Double Contact Bayonet	90	350
LIT006V7.2WW	927	6	7.2	Wedge Base	101	350
LI6006V7.2WW	S7672	6	7.2	PAR36 Sealed Beam	101	350
LIQ006V008WB	785	6	8	Bi-Pin Halogen	155	550
LI6006V008WB	H7551	6	8	Halogen Sealed Beam	155	550
LIT006V008WD	64	6	8	Double Contact Bayonet	165	555
LIM006V008WB		6	8	MR16 Halogen		
LIT006V009WW	908	6	9	Wedge Base	150	400
LI6006V009WW	S7631	6	9	PAR36 Sealed Beam	132	400
LIQ06V010WB	787	6	10	Bi-Pin Halogen	201	650
LI6006V010WB	H7552	6	10	Sealed Beam Halogen	201	650
LIQ006V012WB	786	6	12	Bi-Pin Halogen	302	850
LI6006V012WW	S4042	6	12	PAR36 Sealed Beam	177	1100
LI6006V012WB	H7553	6	12	Halogen Sealed Beam	302	850
LIT006V012WD	88	6	12	Double Contact Bayonet	240	855
LIM006V012WB		6	12	MR16 Halogen		
LI6006V018WW	S4014	6	18	PAR36 Sealed Beam	243	1500
LIT006V018WD	6	6	18	Double Contact Bayonet	245	1505
LIQ006V020WB	788	6	20	Bi-Pin Halogen	457	1400
LI6006V020WB	H7554	6	20	Halogen Sealed Beam	457	1400
LIM006V020WB		6	20	MR16 Halogen		
LI6006V025WW	4510	6	25	PAR36 Sealed Beam	385	800
LI6006V030WW	S4515	6	30	PAR36 Sealed Beam		55000
LIQ012V008WB	774	12	8	Bi-Pin Halogen	155	550
LI6012V008WB	H7555	12	8	Halogen Sealed Beam	155	550
LIT012V008WD	90	12	8	Double Contact Bayonet	80	600
LIM012V008WB		12	8	MR16 Halogen		
LIT012V009WW	915	12	9	Wedge Base	138	360
LIT012V010WB	780	12	10	Bi-Pin Halogen		
LIQ012V012WB	783	12	12	Bi-Pin Halogen	277	850
LI6012V012WW	S4044	12	12	PAR36 Sealed Beam	182	1100
LI6012V012WB	H7557	12	12	Sealed Beam Halogen	277	850
LIT012V012WD	94	12	12	Double Contact Bayonet	280	853
LIM012V012WB		12	12	MR16 Halogen		
LIQ012V014WB	789	12	14	Bi-Pin Halogen	302	1050
LIT012V14.4WW	917	12	14.4	Wedge Base		
LIT012V016WD	1005	12	16	Double Contact Bayonet	210	1440
LIT012V018WW	921	12	18	Wedge Base	260	975
LI6012V018WW	S4414	12	18	PAR36 Sealed Beam	245	1500
LIT012V018WD	1142	12	18	Double Contact Bayonet	264	
LIQ012V020WB	782	12	20	Bi-Pin Halogen	461	1400
LIM012V020WB		12	20	MR16 Halogen		
LIT012V022WD	1076	12	22	Double Contact Bayonet	485	1500
LIT012V023WD	1176	12	23	Double Contact Bayonet	155	2100
LI6012V025WW	S4446	12	25	PAR36 Sealed Beam	395	400
LI6012V030WW	S4416	12	30	PAR36 Sealed Beam		35000
LIQ012V035WB	791	12	35	Bi-Pin Halogen		
LIQ012V035WBG635		12	35	G6.35 Bi-Pin Halogen		
LIM012V035WB		12	35	MR16 Halogen		
LI6012V035WW	S4413	12	35	PAR36 Sealed Beam	395	1100
LIM012V050WB		12	50	MR16 Halogen		
LIQ012V055WBG635		12	55	G6.35 Bi-Pin Halogen		
LIQ012V055WBH3	31397	12	55	H3 Bi-Pin Halogen		
LIT024V004WD	302	24	4	Double Contact Bayonet	55	310
LIT024V005WW	EMS2405W	24	5	Wedge Base		
LIT024V007WD	304	24	7	Double Contact Bayonet	99	355
LIT024V009WW	EMS2409W	24	9	Wedge Base		
LIT024V009WD	624	24	9	Double Contact Bayonet	132	400
LIT024V012WB		24	12	Bi-Pin Halogen		
LIT024V012WD	306	24	12	Double Contact Bayonet	210	1100
LIM024V012WB		24	12	MR16 Halogen		

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ORDER NO.	REF. NO.	VOLT	WATTS	LAMP TYPE	LUMENS	BEAM CP
LIT024V018WW	EMS2218W	24	18	Wedge Base	48	180
LIQ024V020WB	JC24V20W	24	20	Bi-Pin Halogen	72	240
LIM024V020WB		24	20	MR16 Halogen	113	40
LIT024V024WD	310	24	24	Double Contact Bayonet	402	855
LIQ024V035WBG635		24	35	G6.35 Bi-Pin Halogen	90	350
LIM024V035WB		24	35	MR16 Halogen	101	350
LIM024V050WB		24	50	MR16 Halogen	101	350
LIM024V055WBG635		24	55	G6.35 Bi-Pin Halogen	155	550
LIM024V070WBH3	39707	24	70	H3 Bi-Pin Halogen	155	550

EXIT SIGN LAMPS

ORDER NO.	REF. NO.	VOLT	WATTS	LAMP TYPE
LIT120V020WD	2218	120	20	Double Contact Bayonet
LIT120V020WI	2215	120	20	Intermediate Screw Base
LIT145V025WD	2058	145	25	Double Contact Bayonet
LIT145V015WCT6	2055B	145	15	T6 Mini Candelabra

120V COMPACT FLUORESCENT LAMPS

ORDER NO.
FLL6712-12V
FLL6713-12V
FLL6712-24V
FLL6713-24V

Voltage Drop Tables

6 VOLTS MAXIMUM VOLTAGE DROP 5% PER CANADIAN ELECTRICAL CODE (WIRING DISTANCE IN FEET)

WIRE SIZE	WATTS																				
	4	6	8	10	12	13	16	18	20	24	25	28	35	44	50	75	100	150	200	250	
#12	111	89	67	53	45	41	33	30	27	22	21	19	15	12	11	8	6	4			
#10	177	141	106	85	71	65	53	47	42	35	32	30	24	19	17	11	9	6			
#8	281	225	169	135	113	110	84	75	68	56	54	48	39	31	27	18	14	9	7		
#6	447	358	268	215	179	165	134	120	107	89	86	77	62	49	43	29	22	15	11	9	

12 VOLTS MAXIMUM VOLTAGE DROP 5% PER CANADIAN ELECTRICAL CODE (WIRING DISTANCE IN FEET)

WIRE SIZE	WATTS																		
	4	8	12	13	16	18	24	25	28	35	44	50	75	100	150	200	250	300	
#12	534	267	178	165	134	110	89	85	76	61	49	42	29	21	14	10	8		
#10	849	425	283	260	212	190	142	136	121	97	77	68	45	34	23	17	14	11	
#8	1351	675	450	415	338	300	225	215	193	154	123	108	72	54	36	27	21	18	
#6	2148	1073	716	660	537	475	358	340	307	245	195	170	114	86	57	43	34	28	

24 VOLTS MAXIMUM VOLTAGE DROP 5% PER CANADIAN ELECTRICAL CODE (WIRING DISTANCE IN FEET)

WIRE SIZE	WATTS													
	13	18	25	28	35	44	50	75	100	150	200	250	300	400
#12	660	440	340	305	244	194	168	116	84	56	40	32	26	21
#10	1040	760	544	485	388	309	272	180	136	92	68	52	44	34
#8	1668	1200	860	772	616	491	432	288	216	144	108	84	72	54
#6	2640	1900	1360	1227	980	781	680	456	344	228	172	136	112	85

24 VOLTS MAXIMUM VOLTAGE DROP 5% PER CANADIAN ELECTRICAL CODE (WIRING DISTANCE IN FEET)

WIRE SIZE	WATTS													
	13	18	25	28	35	44	50	75	100	150	200	250	300	400
#12	1170	840	600	543	435	345	300	200	150	100	75	60	50	42
#10	1340	960	863	690	549	480	320	240	160	120	86	80	63	34
#8	1540	1372	1100	873	770	510	385	255	192	154	128	100	72	54
#6	2180	1740	1388	1220	815	610	405	305	240	200	163	136	112	85

$$CM = \frac{22 \times W \times L}{0.05 \times E^2}$$

$$L = \frac{CM \times 0.05 \times E^2}{22 \times W}$$

CM = Wire size in circular mils
 W = Emergency load in watts
 L = Length of circuit in feet
 E = Line voltage
 22 = Constant
 0.05 = Factor for maximum allowable voltage drop

Circular Mill Chart

AWG	AMP Capacity	C/M
12	20	6,530
10	25	10,380
8	30	16,510
6	50	26,250