

Lamp Data

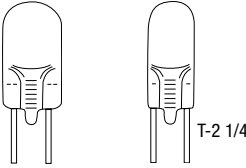
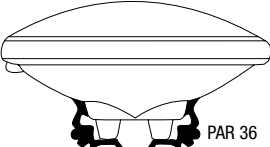
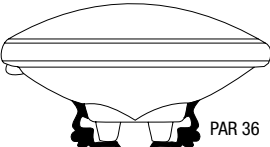
Important considerations when choosing the proper lamp

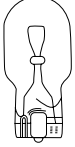
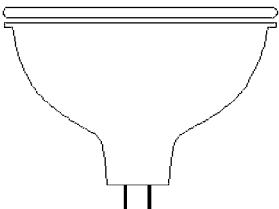

Emergency Lighting is required to provide illumination for a minimum of 90 minutes or an hour and a half during an emergency situation. Emergency Lighting lamps powered from a DC battery source must be powered by a battery that has the capacity to power all the lamps using that battery source for a minimum of 90 minutes. It is important to choose the correct lumen output lamp to meet the required illumination at the floor level on a path of egress. It is equally important to match the lamp and the battery voltages. If you do not have a battery that is the same voltage as the lamp and with enough wattage capacity to illuminate all the lamps, then the lamps will not provide adequate lumen output for 90 minutes to meet the required illumination at floor level along the path of egress.

First, match voltage. The voltage of the lamp **MUST** exactly match the voltage of the battery powering that lamp. If the voltage of the battery is lower than the voltage of the lamp, the lamp may not illuminate. If the voltage of the battery is higher than the voltage of the lamp, the lamp may "pop".

Second, consider total wattage. The wattage of each individual lamp drawing from a battery during emergency operation, including the lamps mounted on the unit as well as all remote lamps wired to that unit, added together, **CAN NOT EXCEED** the total wattage capacity of that battery within 90 minutes of operation. A unit's battery wattage capacities are shown in the Unit Rating Chart of each particular unit.

Available lamp types are shown on the Lamp Selection Chart on the catalog page for each head style or fixture type. Lamp Selection Chart information refers to a single lamp. If you are using a double or triple lamp type head or fixture, the wattage draw of that head or fixture will be the total number of lamps used. For example, if you are using a double lamp fixture with a 12W lamp, that fixture will have a 24W draw (two lamps of 12W each, 12W + 12W = 24W total).

LAMP TYPE	PART NUMBER	LAMP SUFFIX	VOLTAGE	WATTS	AVERAGE LUMEN	TOTAL CANDLE POWER (CP)	LAMP #	BULB TYPE
Bi-Pin Halogen Lamps 	580.0012-L	LH4	6	6	113	9	784	T-2 1/4
	580.0013-L	LH5	6	8	163	13	785	T-2 1/4
	580.0017-L	LH7	6	10	200	16	787	T-2 1/4
	580.0022-L	LH8	6	20	400	32	788	T-2 1/4
	580.0014-L	LH8	12	8	163	13	774	T-2 1/4
	580.0015-L	LH3	12	12	276	22	783	T-2 1/4
	580.0016-L	LH9	12	14	300	24	789	T-2 3/4
	580.0027-L	LH2	12	20	314	25	782	T-2 3/4
LAMP TYPE	PART NUMBER	LAMP SUFFIX	VOLTAGE	WATTS	AVERAGE LUMEN	CENTER-BEAM CANDLE POWER (CBCP)	LAMP #	BULB TYPE
Sealed Beam Halogen Lamps 	550.0022-L	H7556	6	6	107	400	H7556	PAR 36
	550.0036-L	H7551	6	8	155	550	H7551	PAR 36
	550.0037-L	H7552	6	10	190	650	H7552	PAR 36
	550.0019-L	H7553	6	12	225	850	H7553	PAR 36
	550.0021-L	H7554	6	20	380	1,400	H7554	PAR 36
	550.0024-L	H7555	12	8	130	550	H7555	PAR 36
	550.0025-L	H7557	12	12	240	850	H7557	PAR 36
	550.0047-L	H7616	12	37	700	13,000	H7616	PAR 36
	550.0012-L	H7614	12	50	950	2,000	H7614	PAR 36
Sealed Beam Incandescent Lamps 	550.0018-L	7613	6	8	130	400	7613	PAR 36
	550.0030-L	4042	6	12	180	1,100	4042	PAR 36
	550.0016-L	4014	6	18	270	1,500	4014	PAR 36
	550.0017-L	4510	6	25	400	800	4510	PAR 36
	550.0035-L	4515	6	30	460	5,500	4515	PAR 36
	550.0026-L	4044	12	12	190	1,110	4044	PAR 36
	550.0027-L	4414	12	18	210	1,500	4414	PAR 36
	550.0023-L	4446	12	25	395	400	4446	PAR 36
	550.0034-L	4416	12	30	430	13,000	4416	PAR 36

LAMP TYPE	PART NUMBER	LAMP SUFFIX	VOLTAGE	WATTS	AVERAGE LUMEN	TOTAL CANDLE POWER (CP)	LAMP #	BULB TYPE
High Intensity Incandescent, Wedge Base  T-5	570.0012-L	L5	6	5.4	68	5.4	939	T-5
	570.0026-L	L7	6	7.2	100	8	927	T-5
	570.0016-L	L9	6	9	150	12	908	T-5
	570.0025-L	L9	12	9	138	11	915	T-5
	570.0028-L	L12	12	12	150	12	912	T-5
	570.0029-L	L18	12	18	264	21	921	T-5
	570.0045-L	L9	24	9	113	9	EMS2209W	T-5
	570.0046-L	L18	24	18	240	19	EMS2218W	T-5
LAMP TYPE	PART NUMBER	LAMP SUFFIX	VOLTAGE	WATTS	AVERAGE LUMEN	CENTER-BEAM CANDLE POWER (CBCP)	BEAM ANGLE (DEGREES)	BULB TYPE
MR16 Halogen Lamps 	580.0072-L	M5	6	5.4	34	73	36	MR16
	580.0074-L	M6	6	6	40	130	24	MR16
	580.0079-L	M10	6	10	77	790	16	MR16
	580.0099-L	M10	12	10	86	200	36	MR16
	580.0080-L	M12	12	12	135	320	36	MR16
	580.0064-L	M20	12	20	270	525	36	MR16
	580.0068-L	MH20	12	20-H	417	950	36	MR16
	580.0083-L	M35	12	35	490	3300	24	MR16
	580.0076-L	M50	12	50	785	2800	24	MR16
	580.0089-L	MH50	12	50-H	1550	5700	24	MR16
	580.0070-L	M12	24	12	95	280	36	MR16
	580.0077-L	M20	24	20	240	740	24	MR16
	580.0094-L	MA20	24	20-A	195	890	24	MR16
	580.0084-L	M35	24	35	460	990	36	MR16
	580.0078-L	M50	24	50	875	3200	24	MR16
	580.0065-L	M20	120	20	100	240	36	MR16
	580.0066-L	M35	120	35	230	520	36	MR16
580.0067-L	M50	120	50	460	1100	36	MR16	
MR16 LED Lamps 	580.0097-L	LD1	6	4	199	600	24	MR16
	580.0093-L	LD7	12	4	222	440	30	MR16
	580.0104-L	LD9	12	5	340	900	24	MR16
	580.0106-L	LD10	12	6	540	1800	25	MR16
	580.0098-L	LD13	24	4	223	900	24	MR16
	580.0100-L	LD14	24	6	590	1939	24	MR16
	580.0095-L	LD25	120	4	200	900	24	MR16
LAMP TYPE	PART NUMBER	LAMP SUFFIX	VOLTAGE	WATTS	AVERAGE LUMEN	TOTAL CANDLE POWER (CP)	LAMP #	BULB TYPE
EXIT Signs, Hazardous Locations Incandescent Lamps	580.0086-L	6	6	15	210	17	JC6V-15W2KG4	Bi-Pin G4
	570.0071-L	12	12	25	220	18	13769	A19
	570.0118-L	24	24	25	220	18	24227-1	A19
	570.0136-L	120	120	25	215	17	97478	A19