

BULB TECHNICAL DATA FOR SOLAR RAY® SEARCHLIGHTS**883/884/885 SERIES**

THE FOLLOWING CHART IS PROVIDED TO AID IN PROPER BULB SELECTION:

Searchlight Size Inches	Approximate Voltage	Approximate Range Miles*	Bulb Catalog Number	Bulb Wattage	Rated Life Hours**	Maximum Candlepower Output	Horizontal Beam Spread Degrees	Vertical Beam Spread Degrees
10"	12	1	816	100	50	1,168,000	1.7	1.4
	24	1	836	150	50	891,000	2.6	1.5
	32	3/4	817	200	200	571,000	2.6	1.7
	32	1	806	500	50	943,000	3.4	3.9
	120	1	820	600	75	908,000	4.4	2.2
	120	1-1/8	807	500	25	1,332,000	3.5	2.8
	120	1-1/8	844	500	500	1,260,000	3.1	3.4
	12"	12	1-1/4	816	100	50	1,617,000	1.5
24		1-1/8	836	150	50	1,349,000	2.2	1.5
32		7/8	817	200	200	865,000	2.4	1.6
32		1-1/8	806	500	50	1,496,000	3.4	3.5
120		1	837	750	200	977,000	4.1	3.7
120		1	845	750	200	1,185,000	3.7	5.2
120		1-1/8	820	600	75	1,410,000	4.3	1.9
120		1-1/4	809	750	25	1,792,000	3.6	3.4
120		1-1/4	844	500	500	1,641,000	3.2	3.4
120		1-1/4	807	500	25	1,799,000	3.3	3.1
120		1-1/4	811	1000	50	1,816,000	4.0	4.9
120		1-3/8	810	1000	25	1,894,000	4.0	3.8
120		1-3/8	846	1000	200	1,911,000	3.9	5.0
120		1-1/2	839	900	75	2,482,000	4.5	5.5
230		7/8	860	1000	25	865,000	6.9	5.9
14"		12	1-1/4	816	100	50	1,756,000	1.5
	24	1-1/8	836	150	50	1,367,000	2.3	1.2
	32	1	817	200	200	943,000	2.2	1.5
	32	1-1/8	806	500	50	1,591,000	4.0	3.7
	120	1-1/8	837	750	200	1,254,000	3.9	4.5
	120	1-1/8	845	750	200	1,531,000	3.6	5.1
	120	1-1/4	820	600	75	1,626,000	4.5	1.9
	120	1-3/8	844	500	500	1,840,000	2.9	3.2
	120	1-3/8	811	1000	50	2,249,000	4.0	5.1
	120	1-1/2	807	500	25	2,353,000	3.2	3.2
	120	1-1/2	809	750	25	2,422,000	3.7	4.0
	120	1-1/2	846	1000	200	2,586,000	3.8	5.0
	120	1-1/2	810	1000	25	2,621,000	4.0	4.5
	120	1-5/8	839	900	75	2,889,000	4.5	5.2
	230	1	860	1000	50	1,021,000	7.7	6.2

*The approximate ranges listed above are based on photometric measurements of beam candlepower output under ideal conditions. Many factors such as atmospheric conditions, size and color of target, background, etc., may reduce effective range considerably; therefore, these figures are offered only as a guide to compare different bulb and voltage options.

**NOTE: These are the "Rated Average Laboratory Life in Hours" of the Bulb Manufacturer obtained in closely controlled laboratory life testing of groups of lamps at their design voltage. It is not necessarily the same as the service life where conditions such as shock, vibration, voltage fluctuation and environment may result in a shorter average attained life.

**2-PIN PREFOCUS****MOGUL SCREW****MEDIUM PREFOCUS****MEDIUM SCREW**