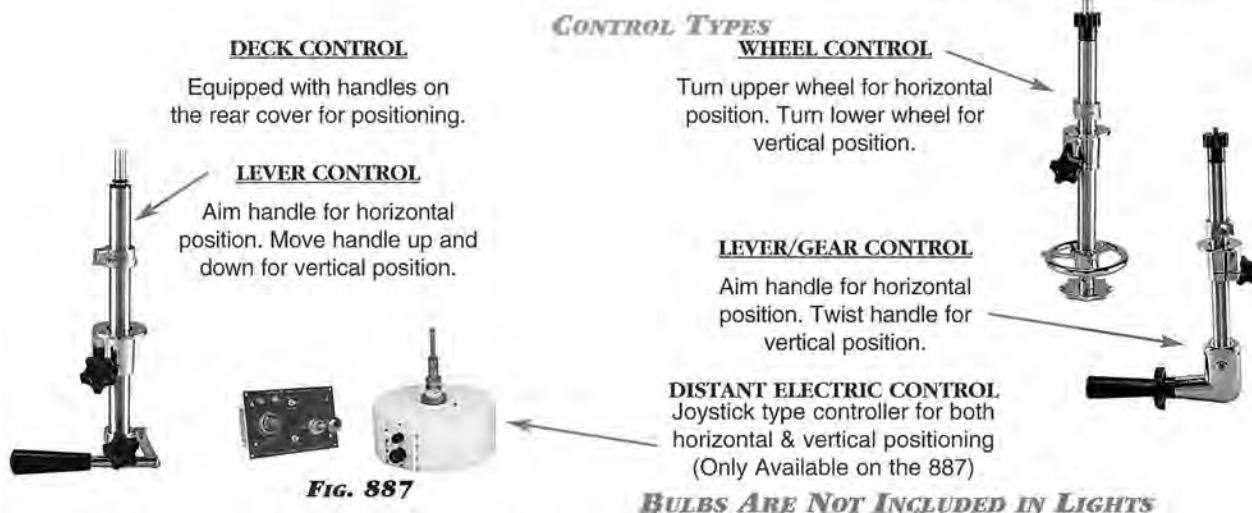
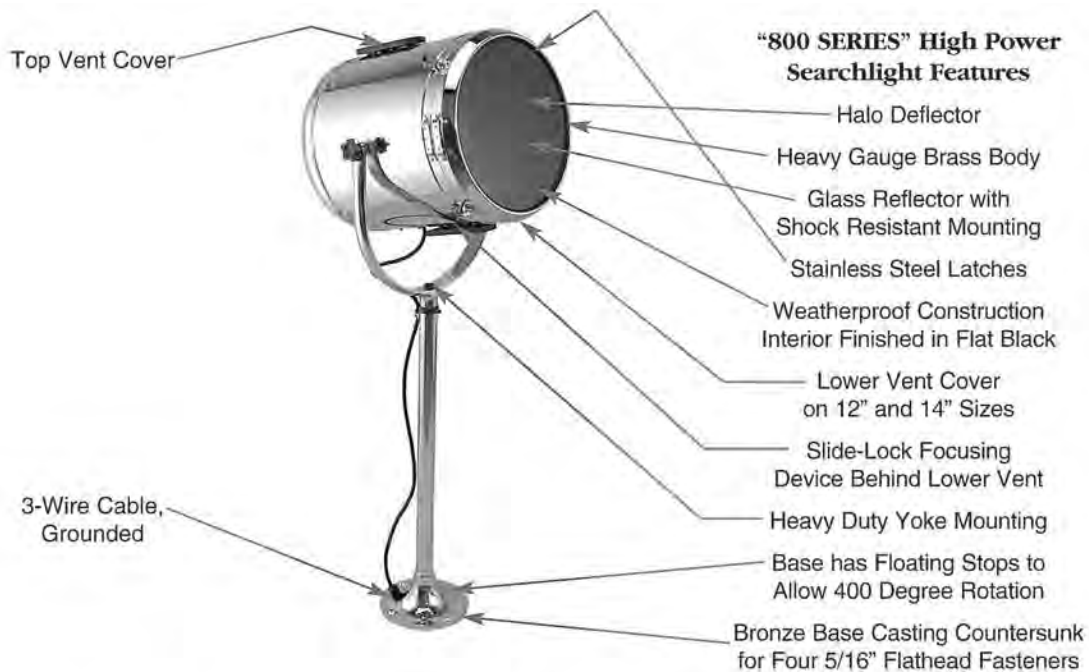


SOLAR RAY® SEARCHLIGHTS 800 SERIES

PERKO®

The 800 Series - Solar-Ray® Searchlights are available in 10", 12" and 14" sizes with your choice of Deck, Wheel, Lever/Gear Controls or DEC on 14 Inch Model. All models feature: halo deflectors, parabolic glass mirror reflectors for maximum light output and ventilation covers for quick dissipation of heat to help prolong bulb life. Hinged front doors have quick release stainless steel latches to provide easy access for bulb replacement. The 800 Series models are also available in our white PERKO•KOTE finish, an advanced powder coating process that eliminates the need for painting while providing a scratch resistant and chip-proof surface for painting when necessary to match the color of the vessel.

Bulbs are not included and must be ordered separately. PERKO offers a choice of the traditional incandescent or the brighter, more piercing quartz-halogen bulbs in a broad variety of voltages and wattages to fit every need. For complete information on bulbs and candle power output, see pages 72 & 73.



BULB TECHNICAL DATA FOR SOLAR-RAY® SEARCHLIGHTS / 800 SERIES

PERKO®

Searchlight Size Inches	Voltage	Approximate Range Miles*	Bulb Cat. No.	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	1.2
	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	950	865,000	6.9	5.9
14"	12	1-1/4	816	100	50	1,756,000	1.5	1.0
	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	950	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**

PERKO®

SOLAR-RAY® SEARCHLIGHTS ORDERING WORKSHEET / 800 SERIES

1) **Head Assembly Type:** _____ }
 a) For deck control - 883
 b) For lever control - 884
 c) For wheel and lever/gear control - 885

2) **Pedestal (overall) Height (see catalog page for details):** _____ }
 a) Standard - O
 b) Medium - M
 c) High - H
For custom pedestal height see no. 10 below.

3) **Reflector Size:** _____ }
 a) 10 inch - 1
 b) 12 inch - 2
 c) 14 inch - 3

4) **Finish:** _____ }
 a) PERKOPLATE (polished chrome) - CHR
 b) PERKO*KOTE (white) - WHT

5) **Control Type:** _____ }
 a) Lever control (For 884 Head Assembly) - 851
 b) Wheel control (For 885 Head Assembly) - 852
 c) Lever/Gear control (For 885 Head Assembly) - 969

6) **Control Length (when necessary):** _____ }
 a) (8-1/2" for 851 & 969) or (7-1/2" for 852) - 0
 b) (15-1/2" for 851 & 969) or (14-1/2" for 852) - A
 c) (22-1/2" for 851 & 969) or (21-1/2" for 852) - B
 d) (29-1/2" for 851 & 969) or (28-1/2" for 852) - C

7) **Bulb Number (see pages 72 & 73 for details):** _____ }
 8) **Socket Type:** _____ Code: _____ }
 a) Medium Screw "B"
 b) Medium Prefocus..... "E"
 c) Mogul Screw..... "D" (Not for use with 10 inch reflector.)
 d) 2-Pin Prefocus (12 volt) "F"
 e) 2-Pin Prefocus (24 volt) "G"
 f) 2-Pin Prefocus (32 volt) "H"
 g) 2-Pin Prefocus (600 Watt) "I"
 h) 2-Pin Prefocus (900 watt) "K" (Not for use with 10 inch reflector.)

9) **Custom control length:** _____
 Specify control length desired as measured from pedestal base to lower end of control assembly ("E" or "F" dimension).

10) **Custom pedestal height:** _____
 Specify overall height of searchlight desired as measured from the top of the searchlight head to the bottom of the pedestal base ("J" dimension).

SPARE PARTS FOR 800 SERIES SOLAR-RAY® SEARCHLIGHTS

Fig.	Size	Front Glass Cat. No.	Front Door with Glass Cat. No.	Rear Cover Cat. No.	Reflector* Cat. No.	Pinion Gear Cat. No.
883	10"	889 001 CLR	891 001 CHR	908 001 CHR	890 001	----
	12"	889 002 CLR	891 002 CHR	908 002 CHR	890 002	----
	14"	889 003 CLR	891 003 CHR	908 003 CHR	890 003	----
884	10"	889 001 CLR	891 001 CHR	902 001 CHR	890 001	----
	12"	889 002 CLR	891 002 CHR	902 002 CHR	890 002	----
	14"	889 003 CLR	891 003 CHR	902 003 CHR	890 003	----
885	10"	889 001 CLR	891 001 CHR	902 001 CHR	890 001	905
	12"	889 002 CLR	891 002 CHR	902 002 CHR	890 002	905
	14"	889 003 CLR	891 003 CHR	902 003 CHR	890 003	905

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