





Selected Stock and Standard (Non-Stock) Contour Short-Wave IR Lamps for 3-D Applications

Ref. No.	Voltage V	Wattage W	Tube		UVIR No.			Frimo No.
			Single, Ø	Twin	Gold	White	None	Gold
1	115	410	10		SHG300169	SHW300001	SHC300002	280770
2	115	510	10		SHG300049	SHW300002	SHC300003	284343
3	115	520	10		SHG300043	SHW300003	SHC300004	282094
4	115	600	10		SHG300050	SHW300004	SHC300005	282016
5	115	710	10		SHG300164	SHW300005	SHC300006	282014
6	115	1100	10		SHG300165	SHW300006	SHC300007	283932
7	115	1100		11 x 23	THG300039	THW300001	THC100001	282002
8	115	1320	10		SHG300037	SHW300007	SHC300008	280773
9	120	1330	10		SHG300166	SHW300008	SHC300009	284058
10	120	1450	10		SHG300170	SHW300009	SHC300010	305417
11	120	1630	10		SHG300035	SHW300010	SHC300011	305418
12	230	2000	10		SHG300167	SHW300011	SHC300012	314255
13	230	2200	10		SHG300045	SHW300012	SHC300013	282009
14	230	2200	10		SHG300046	SHW300013	SHC300014	282008
15	230	2290	14		SHG300171	SHW300014	SHC300015	297058
16	230	2800		11 x 23	THG300038	THW300002	THC300002	281997
17	240	800	10		SHG300052	SHW300015	SHC300016	283640
18	240	810	10		SHG300168	SHW300016	SHC300017	280728
19	240	800	10		SHG300042	SHW300017	SHC300018	292093
20	240	880	10		SHG300056	SHW300018	SHC300019	280727



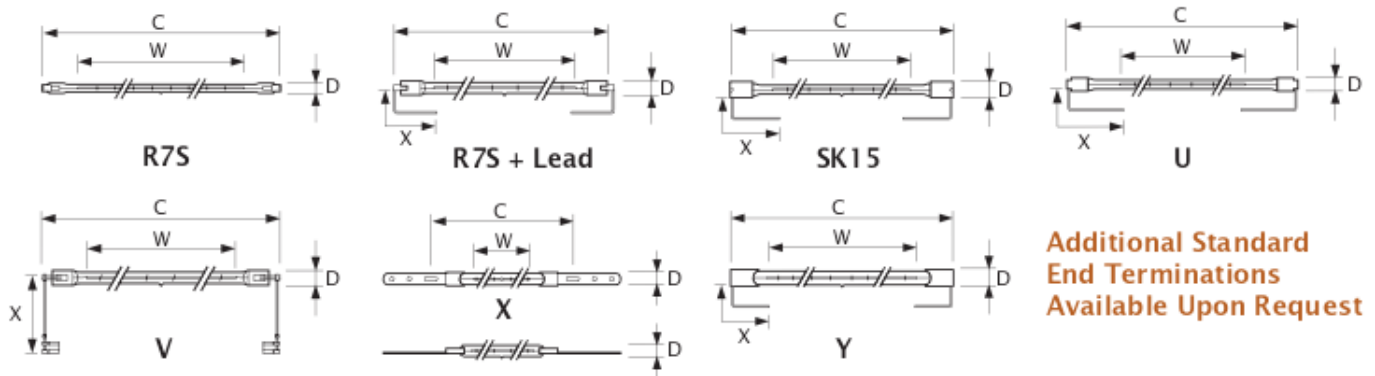
Single Tube IR Lamps

The Most Extensive Product
Line in Industry

Main Design Characteristics

- Power from 200 to 5,000 W
- Voltage from 24 to 575 V
- Short, Medium and Long-Wave IR designs
- Filament temperatures from 1,100°C to 2,600°C
Heat lengths from 50 to 1,500 mm
- Reflective layers: *gold, white*
- Fast response time, 1 second for S-W
- Tube diameters from 8 to 25 mm
- Standard stock items for immediate delivery
- Custom and OEM designs are available

END TERMINATIONS FOR SINGLE TUBE IR LAMPS



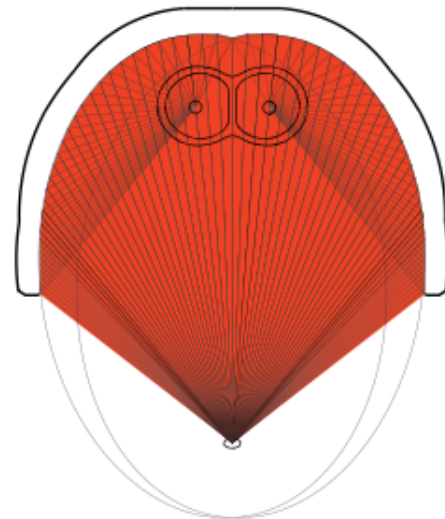
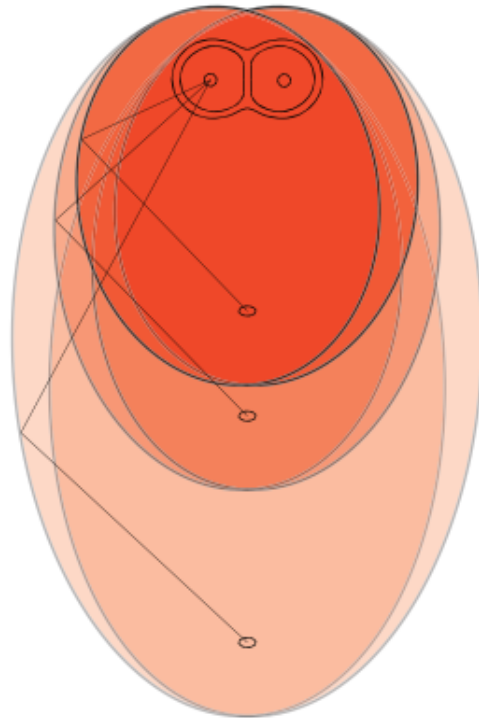
Stock and Standard (Non-Stock) Single Tube Short-Wave Lamps

Ref. No.	Voltage V	Wattage W	Tube Ø	Total Length, C	Heated Length, W	Base	UVIR No.			Philips No.		
							Gold	White	Clear	Translucent	White	Clear
1	120	500	10	241	142	X	SHG100041	SHW100055	SHC100138			13169X
2	120	500	10	218	142	X	SHG100042	SHW100056	SHC100139		13169X/98	
3	230	1500	11.5	900	800	SK15	SHG100043	SHW100057	SHC100140			
4	230	1500	11.5	1370	1300	SK15	SHG100044	SHW100058	SHC100141			
5	230	2000	11.5	550	497	R7S	SHG100045	SHW100059	SHC100142			13938R
6	230	2000	11.5	657	500	SK15	SHG100046	SHW100060	SHC100143		13214Z/98	
7	230	2000	11.5	750	680	SK15	SHG100047	SHW100061	SHC100144			
8	230	3000	11.5	787	700	SK15	SHG100048	SHW100062	SHC100145			14107Z
9	235	500	10	216	127	SK15	SHG100049	SHW100063	SHC100146		13169X/98	
10	235	700	10	216	150	SK15	SHG100050	SHW100064	SHC100147		13842Z/98	
11	235	1000	10	370	280	X	SHG100051	SHW100065	SHC100148			13195X
12	235	1000	10	350	280	Y	SHG100052	SHW100066	SHC100149			13195Y
13	235	1000	10	355	280	Y	SHG100053	SHW100067	SHC100150		13195Y/98	
14	235	1000	10	355	280	X	SHG100054	SHW100068	SHC100151			13713X
15	235	1000	10	355	280	SK15	SHG100055	SHW100069	SHC100152		1371Z/98	
16	235	1000	10	370	280	X	SHG100056	SHW100070	SHC100153		13713X/98	
17	235	2000	11.5	350	286	V	SHG100057	SHW100071	SHC100154		13168V	
18	235	2000	11.5	370	288	X	SHG100058	SHW100072	SHC100155			13168X
19	240	3200	11.5	1062	815	U	SHG100059	SHW100073	SHC100156			3200T3/CL
20	380	3300	11.5	900	800	R7S+L	SHG100060	SHW100074	SHC100157			
21	400	2000	11.5	512	416	X	SHG100061	SHW100075	SHC100158		13245X/98	13245X
22	400	2000	11.5	512	410	X	SHG100062	SHW100076	SHC100159		13765X/98	13765X
23	400	3000	11.5	802	700	X	SHG100063	SHW100077	SHC100160		13230X/98	13230X

Twin Ellipse Design

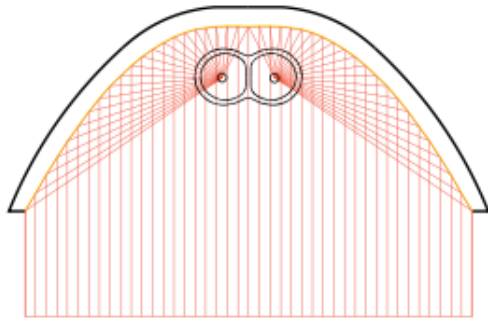
Each ellipse is drawn having one focus at the center of each heating coil. The other focus is located at the centerline of the cross-section of the lamp and placed at a given distance.

Each ellipse is rotated clock-wise and counter clock-wise, respectively, so their second focus share the same location.



Parabolic

A parabola shaped-curve is drawn with its focus at the center of each heating coil resulting in a uniquely shaped reflector.



Parabolic-Elliptic

A special construction combination of both types of reflectors is represented in the figures below.

One heating coil focuses the IR heat at a pre-defined distance while the other heating coil provides heat in a uniform manner.

