

G-E *Projection Lamps* FOR



G-E Lamps designed for picture projection are characterized by the most advanced and exacting techniques of lamp manufacture. In every type the dimensions and form of the light source are chosen to fit the particular requirements of some specific optical system or group of systems. For every type of projector, lamps of highest possible light output from a small source in a bulb of minimum size are required. To this end lamps are designed up to the safe limits of the materials involved. It is only by the closest attention to materials and fabrication that the superior performance at this maximum efficiency is achieved.

The superlative quality of General Electric Projection lamps is confirmed not only in laboratory tests but also by projector manufacturers' preference.

The lamps with bayonet bases are used principally in miniature slide projectors in the home and smaller classrooms with screen sizes up to four or five feet. The higher wattage lamps in this group should be used in equipment providing forced cooling to protect the slides and to maintain safe operating limits for the bulb and base.

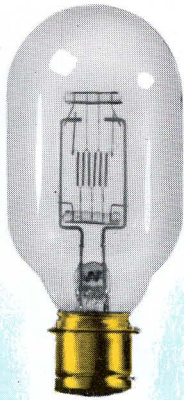
Where higher wattages are required, medium prefocus base types are available in the T-10 and T-12 bulbs. Such lamps are used for the larger miniature slide projectors, some lantern slide projectors, and 16-mm motion picture equipment. A high degree of forced ventilation is important in this type of equipment in order to maintain temperatures at a safe operating level for the base and bulb. Additional blower or fan cooling is desirable for slides since they are exposed to high illumination levels for much longer periods than are pictures on motion picture film.

For lantern slides, the T-20 bulb lamps — 500-watts in the short bulb and 1000-watts in the long bulb — are used when only natural ventilation is available.

General Electric also has available a limited line of lamps for 35-mm motion picture projection. These special sources ranging from 1000- to 2100-watts are generally used for small theater projection and are not shown in this catalog.

The General Electric Bulletin LD-164 "Lamps for Picture Projectors," lists the proper lamp or lamps for use in all types and makes of picture projectors.

SLIDES AND MOVIES



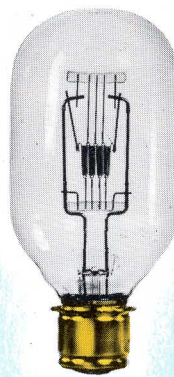
PH/500T20P



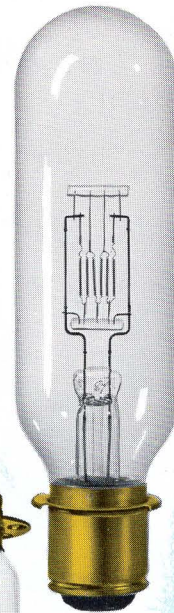
PH/300T8 1/2/1SC



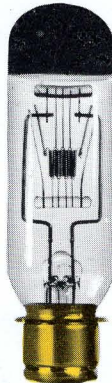
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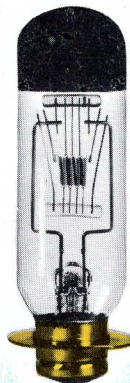
PH/1M/T20MP



PH/1M/T20P



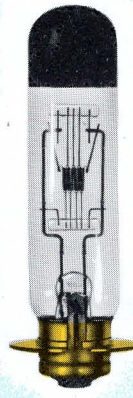
PH/750T12P



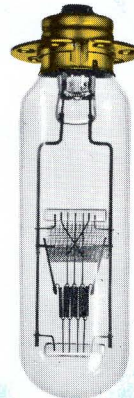
PH/750T12/3LR



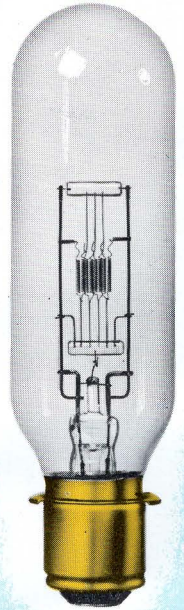
PH/1M/T12P



PH/1M/T12/3LR



PH/1M/T12/4LR



PH/1500T20/39

PH/1M/T20/40

PROJECTION SERVICE

Number	Bulb	Base	Watts	Volts	Std. Pkg. Qty.	Filament	Approx. Hours Life	Approx. Lumens	Light Center Length	Max. Overall Length	Approx. Light Source Dimensions in mm	
											Width	Height
PH/30T7SC	T-7	S. C. Bay.	30	*	24	CC-2V	25	.....	1 3/8	2 5/8	4.0	4.3
PH/50S11DC	S-11	D. C. Bay.	50	*	120	CC-2V	50	825	1 3/8	2 3/8	.....	.....
PH/50T8/47SC	T-8	S. C. Bay.	50	Std.	24	CC-13	50	810	1 3/8	3 1/8	5.0	5.0
PH/50T8/22DC	T-8	D. C. Bay.	50	Std.	24	CC-13	50	810	1 3/8	3 1/8	.....	.....
PH/75T8/72	T-8	S. C. Bay.	75	Std.	24	CC-13	50	1300	1 3/8	3 1/8	5.5	4.1
PH/75T8/106	T-8	D. C. Bay.	75	Std.	24	CC-13	50	1300	1 3/8	3 1/8	5.5	4.1
PH/100S11SC	S-11	S. C. Bay.	100	*	120	CC-2V	25	2050	1 3/8	2 3/8	.....	.....
PH/100T8SC	T-8	S. C. Bay.	100	Std.	24	CC-13	50	1920	1 3/8	3 1/8	5.5	5.1
PH/100T8/108SC	T-8	S. C. Bay.	100	Std.	24	CC-2V	50	1950	1 3/8	3 1/8	6.7	6.7
PH/100T8/108DC	T-8	D. C. Bay.	100	Std.	24	CC-2V	50	1950	1 3/8	3 1/8	6.7	6.7
PH/120A21/49	A-21	Med.	120	*	120	C-9	25	2700	3 3/8	4 1/8	.....	.....
PH/140T10/69	T-10	Med.	140	*	60	C-9	25	3350	3 3/8	5 1/8	.....	.....
PH/150T8/70	T-8	S. C. Bay.	150	Std.	24	2CC-8	25	3350	1 3/8	3 5/8	5.4	6.8
PH/150T8/79	T-8	D. C. Bay.	150	Std.	24	2CC-8	25	3350	1 3/8	3 5/8	5.4	6.8
PH/200T8SC	T-8	S. C. Bay.	200	Std.	24	2CC-8	25	4700	1 3/8	3 5/8	6.2	6.5
PH/200T8DC	T-8	D. C. Bay.	200	Std.	24	2CC-8	25	4700	1 3/8	3 5/8	6.2	6.5
PH/200T8/49	T-8	D. C. Pf.	200	Std.	24	2CC-8	25	4700	1 3/8	3 5/8	.....	.....
PH/200T10P	T-10	Med. Pf.	200	Std.	24	CC-13	50	4250	2 3/8	5 3/4	.....	.....
PH/300T8 1/2/1SC	T-8 1/2	S. C. Bay.	300	Std.	24	C-13D	25	.....	1 3/8	4 1/8	6.9	7.0
PH/300T8 1/2/10	T-8 1/2	S. C. Bay.	300	Std.	24	C-13	25	7750	1 3/8	4 1/8	8.7	8.5
PH/300T8 1/2/11	T-8 1/2	S. C. Bay.	300	Std.	24	C-13	25	.....	1 3/8	4 1/8	8.7	8.5
PH/300T8 1/2/17	T-8 1/2	D. C. Bay.	300	Std.	24	C-13	25	.....	1 3/8	4 1/8	8.7	8.5
PH/300T10P	T-10	Med. Pf.	300	Std.	24	C-13	25	.....	2 3/8	5 3/4	8.7	8.5
PH/300T10/61	T-10	Med. Pf.	300	Std.	24	C-13D	25	.....	2 3/8	5 3/4	6.8	7.1
PH/500T10P	T-10	Med. Pf.	500	Std.	24	C-13D	25	.....	2 3/8	5 3/4	8.4	7.8
PH/500T10/3LR	T-10	Lg. Index. Ring	500	Std.	24	C-13D	25	.....	2 3/8	5 1/2	8.4	7.8
PH/500T10/3SR	T-10	Sm. Index. Ring	500	Std.	24	C-13D	25	.....	2 3/8	5 1/2	8.4	7.8
PH/500T20P	T-20	Med. Pf.	500	Std.	24	C-13	50	13200	2 3/8	5 3/4	11.5	10.9
PH/750T12P	T-12	Med. Pf.	750	Std.	24	C-13D	25	.....	2 3/8	5 3/4	9.5	9.4
PH/750T12/3LR	T-12	Lg. Index. Ring	750	Std.	24	C-13D	25	.....	2 3/8	5 1/2	9.5	9.4
PH/1M/T12P	T-12	Med. Pf.	1000	Std.	24	C-13D	10	.....	2 3/8	5 3/4	10.2	10.2
PH/1M/T12/3LR	T-12	Lg. Index. Ring	1000	Std.	24	C-13D	10	.....	2 3/8	5 1/2	10.2	10.2
PH/1M/T12/4LR	T-12	Vented Lg. Index. Ring	1000	Std.	24	C-13D	25	28000	3 1/2	5 7/8	11.3	10.7
PH/1M/T12/5LR	T-12	Lg. Index. Ring	1000	Std.	24	C-13D	25	.....	2 3/8	5 1/2	11.3	10.7
PH/1M/T20MP	T-20	Med. Pf.	1000	Std.	24	C-13D	25	28000	2 3/8	5 3/4	11.3	10.7
PH/1M/T20	T-20	Mog.	1000	Std.	12	C-13	50	28000	4 3/4	9 1/8	.....	.....
PH/1M/T20P	T-20	Mog. Pf.	1000	Std.	12	C-13	50	28000	3 7/8	9 1/2	14.9	14.5
PH/1M/T20/40	T-20	Mog. Pf.	1000	Std.	12	C-13D	25	28000	3 1/8	9 1/2	11.3	10.7
PH/1500T20/39	T-20	Mog. Pf.	1500	Std.	12	C-13D	25	42500	3 7/8	9 1/2	13.9	14.0
PH/18A/T10P	T-10	Med. Pf.	18 Amps	6	24	C-8	50	2250	2 3/8	5 3/4	.....	.....

* 115-125 Volts (design volts—120)