

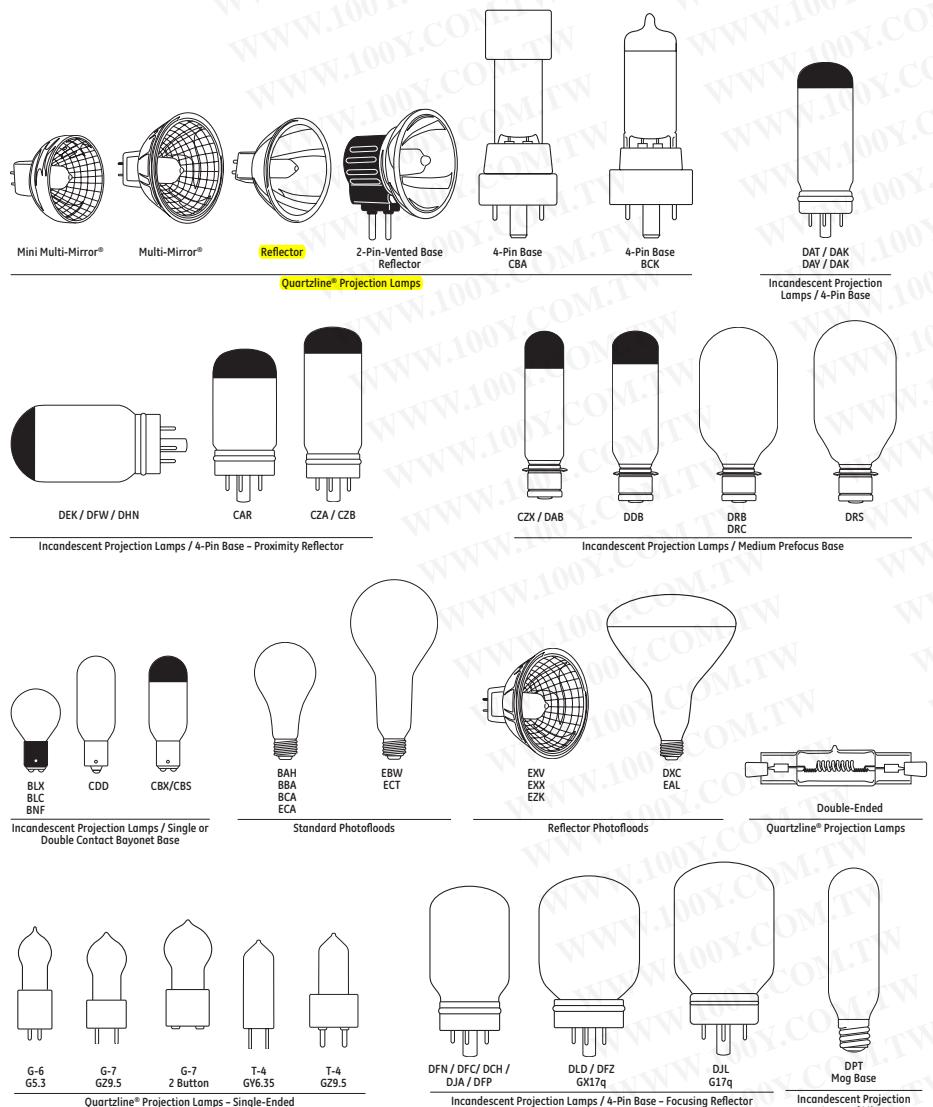
勝特力材料 886-3-5753170
 胜特力电子(上海) 86-21-34970699
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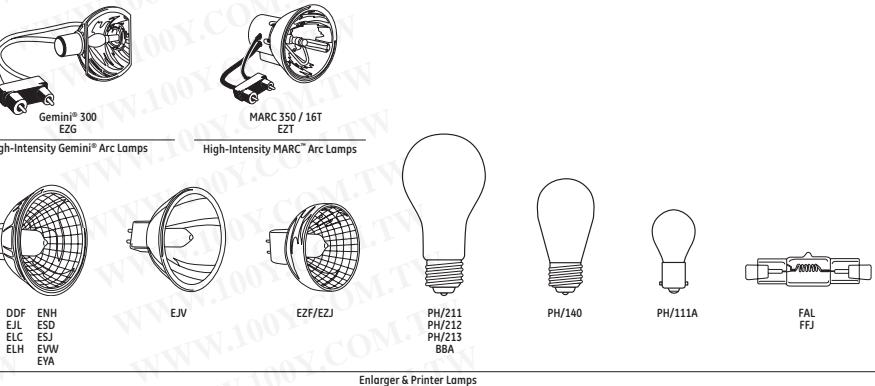
Projection Lamps

Lamp Locator



For the most up-to-date product information, see www.gelighting.com.

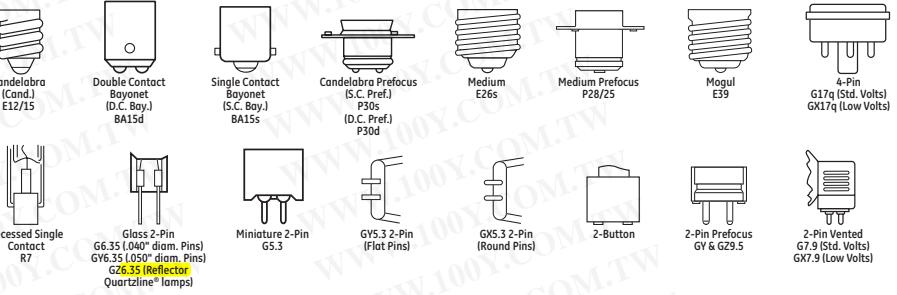
Lamp Locator (continued)



Base Identification

Typical bases used on Projection lamps in this catalog are shown below along with their names and common abbreviations. Where the base is an ANSI standard type, the ANSI reference code (which is the same as the IEC base code) is also shown. ANSI reference codes

conform to American National Standard C81.10, C81.30, C81.50 specifications for electric lamp bases and lampholders. Illustrations are not to scale.



Light Center Length (LCL)

Light center length is the distance from the center of the light source to the point indicated below for the lamp base used. It is a

Base Type	LCL Reference
All Screw Bases	Bottom base contact
Medium Prefocus	Top of base fins
S.C. or D.C. Bayonet	Top of base pins
2-Pin Prefocus	Bottom of base ceramic
Miniature 2-Pin	Bottom of base pins
Glass 2-Pin	Bottom of base pins
2-Button	Top of ceramic base to top of filament coil

measurement to which the lamp is designed and is subject to the manufacturer's tolerances.

Base Type	LCL Reference
2-Pin Vented	Bottom of base ceramic to lamp optical axis
4-Pin	Bottom edge of base cup
Locking 4-Pin	Bottom edge of base cup
S.C. or D.C. Candelabra Prefocus	Plane of locating bosses on prefocus collar

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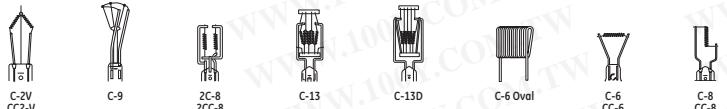
Incandescent
 Halogen
 High Intensity Discharge
 Fluorescent
 Compact Fluorescent
 Ballast
 LED Lamps and Systems
 Stage and Studio
 Miniature and Sealed Beam
 Projection

Projection Lamps

Filament Identification

The configuration of the filament in all tungsten filament lamps (including Quartzline®) is identified by a prefix letter and a suffix number. The prefix letter indicates whether the filament wire is a

single coil (C) or a coiled coil (CC). The suffix number indicates the form or arrangement of the filament coil or coils on its support structure. Illustrations are not to scale.



Introduction

General Electric Projection Lamps are designed for a wide variety of applications...and now extending well beyond the original picture-taking and audio-visual projection uses into such fields as: fiber optical systems, graphic arts, video camera lights, airport runway markers, micrographics, photo printers and enlargers, medical/scientific instruments and many others.

The information contained in this section is designed to provide end-users, equipment manufacturers and lamp distributors and dealers with:

- Essential technical data on GE Projection Lamps (Quartzline®, Incandescent, MARC™ and Photoflood)
- Suggested substitutes for improved performance or discontinued lamps

The majority of Projection Lamps described herein are characterized by:

- Precisely manufactured, tailored filaments maximizing source brightness, optimum performance in precision optical devices

- High light-generating efficacy (lumens per watt)...to help minimize power requirements and heat generation
- Prefocus type bases, or rim-reference mounting for Multi-Mirror® lamps...to position the filament accurately in relation to the associated optics
- Design life Rated Life (per ANSI Standard)
- Lamps with internal or external reflectors (as in Multi-Mirror® and some 4-pin projection lamps) permitting high-efficiency illumination system designs with a minimum of additional optical control elements

Manufacturers and designers of equipment requiring lamps should select lamps of established design whenever possible for maximum economy, as well as for ease of replacement by their customers through regular trade channels. General Electric offers application engineering assistance to all customers for applying lamps in product design. Contact your local GE Lamp Representative for additional information or assistance.

Warning and Caution Notices Information

As with any product, certain precautions should be observed in the handling and use of GE Projection Lamps to provide optimum

performance and safety. These are given in the Caution Notices that are printed on page 10-12.

Important Notice

This catalog contains accumulated data to March 2008. Additional information is constantly being uncovered through research and testing, which may modify the data given herein. This is particularly true of newer lamps. For the latest lamp design data and information, contact your General Electric Lamp Representative.

The data and suggested applications contained in this catalog, as well as any additional information our representative may be able to furnish, are for general information only and are not intended and should not be taken as representations or warranties as to the suitability of a lamp for any particular application or use in any particular equipment, nor are our representatives authorized to make any such representations or give any such warranties.

Applications and conditions of use are many and varied, and beyond our control. We cannot possibly have the same degree of knowledge that the purchaser has with respect to the design of his equipment and the conditions of its use. Therefore, it is up to the purchaser to make his own determination as to the suitability of a lamp for his intended application or use and to assume the responsibility for that determination.

General Electric desires to supply the best possible products at all times. For this reason, General Electric reserves the right to make changes in its products when it believes such changes will improve its products.

General Information

General Electric Projection Lamps are briefly described in the ANSI lamp index (pages 10-6-10-7). More extensive descriptive and performance data are found in the lamp tables, which are organized as "families" of lamps with one or more features in common - such

as Multi-Mirror® Quartzline®, Single-Ended Quartzline®, 4-Pin Based Incandescent, Photoflood, etc. Within each table, lamps are listed alphabetically by GE Lamp Code.

GE Multi-Mirror® Quartzline® Projection Lamps

Invented By GE For Optimized Projection System Performance, the Multi-Mirror® and its new companion, the Mini Multi-Mirror®, are reflector halogen Quartzline® lamps with innovative GE features that

result in better system efficiency, screen uniformity, lamp-to-lamp consistency and relamping convenience.

Feature	Benefit	Applications
• Dichroic reflector	• Cool light beam • Efficient light reflection	• Slide Projection • Front/Rear Screen Projection
• Precise rim reference	• Quick lamp installation	• Microfilm
• Accurate snap-in alignment		• Overhead Projection
• Faceted reflector	• Efficient beam for brighter image • Uniform screen image • Precision beam control	• 16mm Movie • 8mm Movie • Film Strip
• Halogen Quartzline® lamp	• Whiter and brighter light • No bulb blackening/blistering • Constant light output through life • Stable color temperature	• Enlargers/Printers • Fiber Optics • Medical/Scientific Instruments • Video Camera Lights • Airport Runways • Display

Each GE Multi-Mirror® lamp type is optically tailored to its application. First, the appropriate type of multi-faceted reflector is determined. Then a filament tube developed, using advanced

Quartzline® technology. Finally, the two are combined, using sophisticated, computerized precision-assembly techniques. The result - consistently high performance...lamp after lamp after lamp.

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Projection Lamps

ANSI Coded GE Projection Lamps Index

Order Code	Description	Watts	Volts	Bulb Shape	Base	Table No.	Page No.
BAB USE Q20MR16CG40BAB							
10933 BAB/PH		20	12	MR16	GX5.3-2-Pin	3	9
40886 BAH		300	115	A21	Medium	18	11
40563 BBA		250	118	A21	Medium	18	11
40564 BCA		250	118	A21	Medium	18	11
36178 BCK		500	120	T6	G17q 4-Pin	6	10
40658 BH8		250	120	MR14	G7 2-Pin	5	10

BHC USE DVS/DVW/BHC

Order Code	Description	Watts	Volts	Bulb Shape	Base	Table No.	Page No.
DVS USE DVS/DVW/BHC							
29140 BLC		30	118	S11	D.C. Bay.	15	11
30232 BLK		30	125	S11	Cond.	18	11
29156 BLX		50	118	S11	D.C. Bay.	15	11
32137 BNF		75	120	S11	D.C. Bay.	15	11
29604 BRH		1000	120	T5	R7s	9	10
18234 BRL		50	12	T3.5	G6.35 2-Pin	7	10
30421 BXB		34	85	T8	S.C. Pref.	16	11
29525 CAL		300	120	T10	G17q 4-Pin	11	10
29380 CAR		150	120	T10	G17q 4-Pin	11	10
29171 CAK		50	118	T8	D.C. Bay.	15	11
29169 CAK		50	130	T8	D.C. Bay.	15	11

CBS USE CRB/CBS

Order Code	Description	Watts	Volts	Bulb Shape	Base	Table No.	Page No.
CRB USE CRB/CBS							
29208 CRB/CBS		75	118	T8	D.C. Bay.	15	11
29257 CDD		100	120	T8	S.C. Bay.	14	11
29266 CGJ		100	118	T8	D.C. Bay.	15	11
29244 CEB		100	118	T8	D.C. Bay.	15	11
43330 CEM		120	120	T8	S.C. Bay.	14	11
29664 CZ4/CZB		500	120	T10	G17q 4-Pin	11	11

CZB USE CZ4/CZB

Order Code	Description	Watts	Volts	Bulb Shape	Base	Table No.	Page No.
CZ4/CZB							
29677 CZV/DAB		500	120	T10	Med. Pref.	13	11

DAB USE CZV/DAB

Order Code	Description	Watts	Volts	Bulb Shape	Base	Table No.	Page No.
DAB USE CZV/DAB							
40214 DAT/DAT		400	120	T10	G17q 4-Pin	10	10
29695 DAV/DAK		500	120	T10	G17q 4-Pin	10	10
29360 DCA		150	21	T12	GX17q 4-Pin	12	11
29364 DCH/DJA/DFP		150	120	T12	G17q 4-Pin	12	11
43537 DOL		150	20	MR16	GX5.3 2-Pin	3	9
43206 DOM		80	19	MR16	GX5.3 2-Pin	3	9
43988 DOS		80	21	MR16	GX5.3 2-Pin	3	9
43950 DED		85	13.8	MR16	GX5.3 2-Pin	3	9
29737 DEK/DFW/DHN		500	120	T12	G17q 4-Pin	11	10

DFC USE DFN/DFC

Order Code	Description	Watts	Volts	Bulb Shape	Base	Table No.	Page No.
DFN USE DFN/DFC							
36122 DFE		80	30	T12	GX17q 4-Pin	12	11

Order Code	Description	Watts	Volts	Bulb Shape	Base	Table No.	Page No.
DFN/DFC							
29386 DFN/DFC		150	125	T12	G17q 4-Pin	12	11

DFP USE DHC/DIA/DFP

Order Code	Description	Watts	Volts	Bulb Shape	Base	Table No.	Page No.
DFW USE DCF/DFW/DHN							
40248 ENW/ENC		80	19	MR16	GX5.3 2-Pin	3	9
41705 ENX		360	82	MR16	GX5.3 2-Pin	3	9
19405 ENX-ENX		360	86	MR16	GX5.3 2-Pin	3	9
40598 ENZ		50	50	MR16	GX5.3 2-Pin	4	9

ELR USE ELS/ELR

Order Code	Description	Watts	Volts	Bulb Shape	Base	Table No.	Page No.
ELS/ELR							
41885 ELS/ELR		50	18	MR14	GX7.9 2-Pin	5	10
42612 EML		175	24	T4	G5.3 2-Pin	7	10
40017 EMM/EKS		250	24	MR14	GX7.9 2-Pin	5	10

ENA USE EXP/ENA

Order Code	Description	Watts	Volts	Bulb Shape	Base	Table No.	Page No.
ENW USE ENW/ENC							
38686 ENH		250	120	MR16	GX5.3 2-Pin	3	9

ENW USE ENW/ENC

Order Code	Description	Watts	Volts	Bulb Shape	Base	Table No.	Page No.
ENW/ENC							
40248 ENW/ENC		50	19	MR16	GX5.3 2-Pin	3	9
41705 ENX		360	82	MR16	GX5.3 2-Pin	3	9
19405 ENX-ENX		360	86	MR16	GX5.3 2-Pin	3	9

ENX USE ENW/ENC

Order Code	Description	Watts	Volts	Bulb Shape	Base	Table No.	Page No.
ENW/ENC							
40248 ENW/ENC		80	19	MR16	GX5.3 2-Pin	3	9
41705 ENX		360	82	MR16	GX5.3 2-Pin	3	9
19405 ENX-ENX		360	86	MR16	GX5.3 2-Pin	3	9

ENW USE ENW/ENC

Order Code	Description	Watts	Volts	Bulb Shape	Base	Table No.	Page No.
ENW/ENC							
40248 ENW/ENC		80	19	MR16	GX5.3 2-Pin	3	9

ENW USE ENW/ENC

Order Code	Description	Watts	Volts	Bulb Shape	Base	Table No.	Page No.
ENW/ENC							
40248 ENW/ENC		80	19	MR16	GX5.3 2-Pin	3	9

ENW USE ENW/ENC

Order Code	Description	Watts	Volts	Bulb Shape	Base	Table No.	Page No.
ENW/ENC							
40248 ENW/ENC		80	19	MR16	GX5.3 2-Pin	3	9

ENW USE ENW/ENC

Order Code	Description	Watts	Volts	Bulb Shape	Base	Table No.	Page No.
ENW/ENC							
40248 ENW/ENC		80	19	MR16	GX5.3 2-Pin	3	9

ENW USE ENW/ENC

Order Code	Description	Watts	Volts	Bulb Shape	Base	Table No
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Bulb Shape	Base	Watts	Order Code	Description	Volts	Case Qty	Filament Design	MOL (in)	LCL (in)	Rated Life (hrs)	Lumens Initial	Color Temp K	CBCP	Burn Position	Additional Information	Warning and Caution/ Footnote	Typical Working Distance	Source Size (W x H)
Quartzline® Reflector Lamps (continued)																		
MR-14 (1-3/4" Diameter - 44mm) or MR-16 Dichroic Reflector (2" Diameter - 51mm) 2-Pin Vented Base, Table 5																		
MR14	G7.9 2-Pin	25	40658	BHB	120	24	CC-8	1.67	25	3350	HD	16mm Projection	A		2.63			
MR16	G7.9 2-Pin	150	40611	DNE	120	24	CC-8	1.77	12	3350	HD	8mm Projection	A		2.75			
MR14	GX7.9 2-Pin	150	39742	DNF	21	24	CC-8	1.77	25	3400	HD	8mm Projection	A		2.75			
MR14	GX7.9 2-Pin	50	41885	ELS/ELR	18	24	CC-8	1.41	650	3100	HD	Microfilm	A		4.75			
MR14	G17q 4-Pin	250	40017	EMM/EKS	24	24	CC-8	1.66	50	3400	HD	16mm Projection	A		2.63			

Quartzline® Single-Ended																		
4-Pin Slide Projection, Table 6																		

T6	G17q 4-Pin	500	36178	BCK	120	24	C-13D	3.25	1.56	50	3200	HD	Slide Projection	A, D				
Applications: Projection, Microfilm, Studio, Etc., Table 7																		

T3.5	G5.3 2-Pin	50	18234	BRL	12	100	C-6	1.72	1.17	50	1400	3400	U	A					
G6																			
G6	G5.3 2-Pin	650	30304	DVY	120	24	CC-6	2.48	1.44	25	20000	3300	HD	A, E	50 x 20				
G7	G5.3 2-Pin	600	30364	DYH	120	24	CC-6	2.50	1.44	75	17000	3200	II	A	50 x 25				
	G29.5 2-Pin PF	650	33248	DYR	220	24	ZCC-8	2.50	1.44	50	16500	3200	U	A	45 x 45				
	G29.5 2-Pin PF	600	32520	DYV	240	24	ZCC-8	2.50	1.44	50	15500	3200	U	A	45 x 45				
	G29.5 2-Pin PF	5955	32955	DYV/D/W	120	24	CC-6	2.50	1.44	150	15500	3200	HD	A	45 x 45				
T3.5	G5.3 2-Pin	30	37346	DZA	10.8	24	C-6	2.00	1.06	400	530	3100	HD	A	15 x 05				
T4	G29.5 2-Pin PF	150	37695	DZE/FDS	24	24	C-6 Oval	2.68	1.31	100	4000	3250	HD	A	25 x 15				
T6	G29.5 2-Pin PF	500	37527	EHA	120	24	C-13D	3.00	1.44	50	3300	HD	A, D	35 x 35					
T4	G6.5 3 2-Pin	250	14674	EJH	24	100	C-6 Oval	2.25	1.31	50	8000	3400	HD	A	30 x 15				
T6	G6.5 3 2-Pin	175	42612	EML	24	24	C-6	2.12	1.06	125	5000	3200	HD	A	21 x 19				
T3.5	G6.5 3 2-Pin	400	41164	EVD	36	24	C-6	2.34	1.40	50	14500	3200	HD	Overhead Projection	A				
T3.5	G5.3 2-Pin	360	12696	EVB	82	24	CC-8	2.25	1.25	75	10000	3300	HD	A					
	G17q 4-Pin	19322	EVB-5	86	24	CC-8	2.25	1.25	75	3200	HD	A							
G6	G5.3 2-Pin	250	13617	EYH/KT	120	24	CC-6	2.50	1.44	200	6000	3000	HD	A					
	G5.3 2-Pin	500	33663	FBG/FBD	120	24	CC-6	3.00	1.75	50	13200	3200	U	A					
T3	G6.5 3 2-Pin	100	14676	FCR	12	100	C-6 Oval	1.75	1.18	50	2800	3300	HD	A					
T4	G6.5 3 2-Pin	150	13598	FCS	24	100	C-6 Oval	2.00	1.18	50	4500	3300	HD	A					
T3	G29.5 2-Pin PF	100	35321	FDT	12	24	C-6 Oval	2.12	1.06	50	2900	3300	HD	A					
T4	G6.5 3 2-Pin	150	36878	FDV	24	24	C-6 Oval	2.00	1.19	100	4300	3050	U	A					
	GY6.5	300	19886	FLW	24	48	C-6 Oval	2.15	1.21	50	10200	3500	HD	A					
G6.5 2-Pin	275	18241	FNT/100	24	100	C-6 Oval	2.25	1.31	50	10000	3400	HD	A						
T3.5	G5.3	250	80853	GCA	120	12	CC-8	2.24	1.26	200	5700	3200	U	A					

Quartzline® Single-Ended - Amp Rated, Table 8																		
T4																		

T4	G29.5 2-Pin	120	10099	EVV	6.6A	24	C-6 Oval	2.50	1.54	500	3150	3200	BD	Airport	A				
T5																			
T5	G29.5 2-Pin	150	11427	EWV	6.6A	24	C-6 Oval	2.50	1.54	500	4100	3200	BD	Airport	A				
T3.5	G29.5 2-Pin	30	11478	EXL	6.6A	24	C-8	1.75	1.00	1000	375	2900	HD	Airport	A				
T4	G29.5 2-Pin	45	11482	EXM	6.6A	24	C-8	1.75	1.00	1000	750	2950	HD	Airport	A				
T4	G29.5 2-Pin	200	15423	EZL	6.6A	24	C-6 Oval	2.50	1.54	500	5000	3100	BD	Airport	A				

Quartzline® Double-Ended Projection, Table 9																		
T5																		

T4	R7s	800	36952	DXX	230	24	CC-8	3.13	75	21400	3200	U	Overhead Projection	A						
T4																				
T5	R7s	1000	38311	ETI	120	24	CC-8	3.75	70	70	3350	U	Spec. (PH1000H)	A						
T4	R7s	420	29581	FAL	120	24	CC-8	2.63	90	11000	3200	U	Printer	A						
		600	29598	FCB	120	24	CC-8	3.75	120	17000	3250	U	Overhead Projection	A						
		240	29592	FFJ	120	24	CC-8	2.63	85	17000	3250	U	Printer	A						
		420	30276	FFM	120	24	CC-8	3.13	0.50	90	11000	3200	U	Copyboard	A					
T12	G17q 4-Pin	500	29737	DEK/DFW	120	24	C-13D	3.62	1.75	25	3250	HD	Slide Projection	A, H, I						

Incandescent Projection																		
4-Pin Base, Table 10 </																		