PROJECTION

SECTION 2

Photo/Projection

FEATURES

- Precisely manufactured, tailored filaments to maximize source brightness and optimal performance in precision optical devices
- High light-generating efficiency of Quartzline® Halogen, for whiter light, lamp maintanence, and stable color temperature
- For use with prefocused bases or rim-referenced mounting Multi-Mirror® Reflectors

APPLICATIONS

- Audio Visual
- Optical Instruments
- Overhead/Slide Projectors
- Fiberoptics
- Microfilm Readers
- Medical/Dental Instruments
- Printers/Enlargers
- Scientific Instruments
- Photoflood

Quartzline® Multi-Mirror® Reflectors

FEATURES

- Dichroic reflectors for cool light beam and efficient light reflection
- Precise rim reference to optimize target beam
- Faceted reflector for uniform screen image and precision beam control
- Working distance is from reflector rim surface to the film plane/target (see page 35)


Fig. 80


Fig. 81

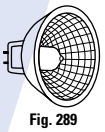
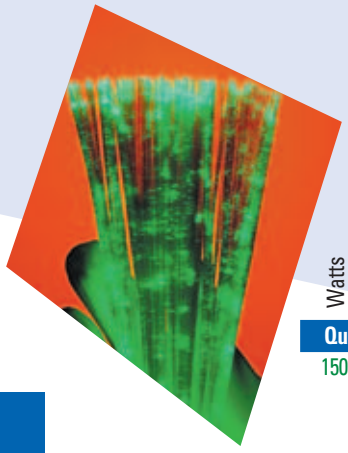


Fig. 289

Watts	Volts	Order Code	Description	Case Qty.	Bulb	Base	Filament Type	MOL (in)	Color Temp.	CBCP	Working Distance (in)	Life (hrs)	Burn Position	Application	Footnotes	Figure Number
Quartzline® Multi-Mirror® Reflectors – MR11																
28	13.8	**31964**	**FLT**	10	MR11	GZ4 2-Pin	CC-6	1.38	3050			500	HD	Microfilm	64	80
Quartzline® Multi-Mirror® Reflectors – MR13																
225	68	**15832**	**EZF/EZJ UNIT**	20	MR13	GX5.3 2-Pin	CC-8	1.75				350	HD	Color printer	3, 64	81
250	82	**12097**	**EXY**	20	MR13	GX5.3 2-Pin	CC-8	1.75	3200		6	200	HD	Slide projection	64	81
300	82	**12092**	**EXR**	20	MR13	GX5.3 2-Pin	CC-8	1.75	3350		6	35	HD	Slide projection	64	81
		12095	**EXW**	20	MR13	GX5.3 2-Pin	CC-8	1.75	3450		6	15	HD	Slide projection	64	81
		47614	**FHS**	20	MR13	GX5.3 2-Pin	CC-8	1.75	3300		6	70	HD	Slide projection	64	81
Quartzline® Multi-Mirror® Reflectors – MR16																
20	12	**10933**	**BAB/PH**	20	MR16	GX5.3 2-Pin	C-6	1.75	2900			4000	HD	Display	64	289
25	13.8	**47914**	**FHX**	20	MR16	GX5.3 2-Pin	CC-6	1.75	3200		4.13	250	HD	Microfilm	64	289
30	10.8	**36902**	**EKZ**	20	MR16	GX5.3 2-Pin	C-6	1.75	3100		1.5	200	HD	16mm projection	64	289
35	12	**41430**	**EPN UNIT**	20	MR16	GX5.3 2-Pin	C-6	1.75	3300		1.13	50	HD	8mm projection	64	289
42	10.8	**41729**	**EPT UNIT**	20	MR16	GX5.3 2-Pin	C-6	1.75	2900		1.5	10000	HD	Fiber optics	64	289
50	8	**41251**	**EFM**	20	MR16	GZ6.35 2-Pin	C-6	1.75	3300		1.25	50	HD	8mm projection	64	289
	12	**25475**	**ENL**	20	MR16	GX5.3 2-Pin	C-6	1.75	3050		1.5	4000	HD	Fiber optics, display lighting	64	289
	13.8	**44854**	**DJT UNIT**	20	MR16	GX5.3 2-Pin	CC-6	1.75	3150		6	1000	HD	Microfilm	64	289
		14887	**FML UNIT**	20	MR16	GX5.3 2-Pin	CC-6	1.75	3150		8.44	1000	HD	Microfilm	64	289
55	17	**43986**	**DDF UNIT**	20	MR16	GX5.3 2-Pin	CC-6	1.75	3100		2.19	300	HD	Enlarger, projection	64	289
75	12	**41252**	**EFN**	20	MR16	GZ6.35 2-Pin	CC-6	1.75	3350		1.25	50	HD	8mm projection	64	289
80	19	**43206**	**DDM UNIT**	20	MR16	GX5.3 2-Pin	CC-6	1.75	3350		6	50	HD	Slide projection	64	289
		40248	**ENW/ENC UNIT**	20	MR16	GX5.3 2-Pin	CC-6	1.75	3200		1.75	200	HD	8mm projection	64	289
	21	**43988**	**DDS UNIT**	20	MR16	GX5.3 2-Pin	CC-6	1.75	3125		6.5	1000	HD	Microfilm	64	289
	30	**35800**	**EKP/ENA**	20	MR16	GX5.3 2-Pin	CC-6	1.75	3350		1.75	25	HD	8mm projection	64	289
85	13.8	**43950**	**DED UNIT**	20	MR16	GX5.3 2-Pin	C-6	1.75	3150		6.5	1000	HD	Microfilm	64	289
	82	**11698**	**ESJ**	20	MR16	GY5.3 2-Pin	CC-8	1.75	3350		1.75	40	HD	Enlarger, projection	64	289
90	14.5	**41882**	**EPV UNIT**	20	MR16	GX5.3 2-Pin	CC-6	1.75	3150		6.13	500	HD	Microfilm	64	289
		42614	**EPX UNIT**	20	MR16	GX5.3 2-Pin	CC-6	1.75	3150		6.5	500	HD	Microfilm	64	289
100	12	**41253**	**EFP**	20	MR16	GZ6.35 2-Pin	CC-6	1.75	3350		1.25	50	HD	8mm projection	64	289
		12003	**EXV UNIT**	20	MR16	GX5.3 2-Pin	CC-6	1.75	3350	3100		50	U	Camera Light	64	289

Lamp stocking color code: **EU Only**, **EU and NA**, **NA Only**



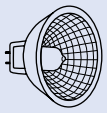


Fig. 289

Watts	Volts	Order Code	Description	Case Qty.	Bulb	Base	Filament Type	MOL (in)	Color Temp.	CBCP	Working Distance (in)	Life (hrs)	Burn Position	Application	Footnotes	Figure Number
Quartzline® Multi-Mirror® Reflectors – MR16 (Continued)																
150	15	41254	EFR	20	MR16	GZ6.35 2-Pin	CC-6	1.75	3350		1.25	50	HD	8mm projection	64	289
		25137	Q150MR16-15LEADS	20	MR16	Special Leads	C-8	–	3300	–	–	200	BDTH	Optical Printing	64	
	20	43537	DDL UNIT	20	MR16	GX5.3 2-Pin	C-6	1.75	3150		7.75	500	HD	Microfilm	64	289
	21	29151	EJM	20	MR16	GX5.3 2-Pin	CC-6	1.75	3350		1.5	40	HD	8mm projection	64	289
		35200	EKE	20	MR16	GX5.3 2-Pin	CC-6	1.75	3250		1.75	250	HD	8mm projection, fiber optics	64	289
	21	38306	ELD/EJN	20	MR16	GX5.3 2-Pin	CC-6	1.75	3350		6.5	40	HD	Microfilm	64	289
	120	43756	ESD UNIT	20	MR16	GY5.3 2-Pin	CC-8	1.75	3350		1.75	12	HD	Enlarger, projection	64	289
		15477	EZK UNIT	20	MR16	GY5.3 2-Pin	CC-8	1.75	3200	3600		200	U	Camera Light	64	289
200	24	29150	EJL	20	MR16	GX5.3 2-Pin	CC-6	1.75	3400		1.25	50	HD	16mm, Color printer	64	289
		36899	EKX	20	MR16	GX5.3 2-Pin	CC-6	1.75	3400		5.5	25	HD	Microfilm	64	289
		11132	EWF UNIT	20	MR16	GX5.3 2-Pin	CC-8	1.75	3300		11.75	50	H22	Overhead projection	64	289
	82	13152	EYA	20	MR16	GY5.3 2-Pin	CC-8	1.75	3300			50	HD	Enlarger	64	289
250	24	37462	ELC	20	MR16	GX5.3 2-Pin	CC-6	1.75	3400		1.25	50	HD	Fiber optics, color printer	64	289
		22023	ELC/C	20	MR16	GX5.3 2-Pin	CC-6	1.75	3400		1.25	50	HD	Fiber optics, color printer	64	289
		15377	ELC/500	20	MR16	GX5.3 2-Pin	CC-6	1.75	3350		1.25	500	HD	Fiber optics, color printer	64	289
	82	11110	EVW UNIT	20	MR16	GY5.3 2-Pin	CC-8	1.75	3300		11.75	50	H22	Overhead projection	64	289
	120	38686	ENH UNIT	20	MR16	GY5.3 2-Pin	CC-8	1.75	3250	11700	6	175	HD	Slide projection	64	289
		11322	ETJ	20	MR16	GY5.3 2-Pin	CC-8	1.75	3300		1.5	175	HD	Fiber Optics	64	289
		11750	EXX	20	MR16	GY5.3 2-Pin	CC-8	1.75	3300	6750		25	U	Camera Light	64	289
300	120	38476	ELH	20	MR16	GY5.3 2-Pin	CC-8	1.75	3350		6	35	HD	Slide projection	64	289
		38685	ENG	20	MR16	GY5.3 2-Pin	CC-8	1.75	3450		6	15	HD	Slide projection	64	289
340	36	41874	ERV UNIT	20	MR16	GX5.3 2-Pin	CC-8	1.75	3300		11.75	75	HD	Overhead projection	64	289
360	82	41705	ENX UNIT	20	MR16	GY5.3 2-Pin	CC-8	1.75	3300		11.75	75	HD	Overhead projection	64	289
	86	19475	ENX-5 UNIT	20	MR16	GY5.3 2-Pin	CC-8	1.75	3300			75	HD	Overhead projection	64	289
	100	41702	EPW UNIT	20	MR16	GY5.3 2-Pin	CC-8	1.75	3250		11.75	75	HD	Overhead projection	64	289
410	82	21613	FXL	20	MR16	GY5.3 2-Pin	CC-8	1.75	3300		11.75	38	HD	Overhead projection	64	289

Quartzline® Reflector Lamps

FEATURES

- Non-faceted (smooth) dichoic reflectors

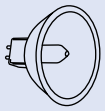


Fig. 82


Fig. 83

Watts	Volts	Order Code	Description	Case Qty.	Bulb	Base	Filament Type	MOL (in)	Color Temp.	Working Distance (in)	Life (hrs)	Burn Position	Application	Footnotes	Figure Number
Quartzline® Reflector Lamps															
50	18	41885	ELS/ELR UNIT	24	MR14	GX7.9 2-Pin	CC-8	1.41	3100	4.75	650	HD	Microfilm	64	83
	30	40598	ENZ UNIT	20	MR16	GX5.3 2-Pin	CC-6	1.75	3450	1.25	25	HD	8mm projection	64	82
80	19	32886	EJY	20	MR16	GX5.3 2-Pin	CC-6	1.75	3400	1.5	25	HD	Fiber Optics	64	82
	30	37412	ELB	20	MR16	GX5.3 2-Pin	CC-6	1.75	3400	1.25	18	HD	8mm projection	64	82
150	21	39742	DNF	24	MR16	GX7.9 2-Pin	CC-8	1.77	3400	2.75	25	HD	8mm projection	64	83
		32882	EJA	20	MR16	GX5.3 2-Pin	CC-6	1.75	3350	1.1	40	HD	Fiber Optics	64	82
		32831	EJV	20	MR16	GX5.3 2-Pin	CC-6	1.75	3350	1.75	40	HD	8mm proj., printer	64	82
	120	40161	DNE UNIT	24	MR16	G7.9 2-Pin	CC-8	1.77	3350	2.75	12	HD	8mm projection	64	83
250	24	40017	EMM/EKS	24	MR14	GX7.9 2-Pin	CC-8	1.66	3400	2.63	50	HD	16mm projection	64	83
	120	40658	BHB UNIT	24	MR14	G7.9 2-Pin	CC-8	1.67	3350	2.63	25	HD	16mm projection	64	83

Lamp stocking color code: **EU Only, EU and NA, NA Only**

Photo/Projection

Quartzline® Single-Ended

FEATURES

- Source size is the dimension of the rectangular area, centered on the lamp axis, within which all luminous parts of the filament lie when viewed perpendicular to the coil axis


Fig. 84


Fig. 85

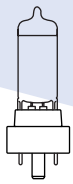


Fig. 86


Fig. 87

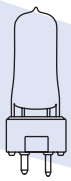


Fig. 88


Fig. 89

Watts	Volts	Order Code	Description	Case Qty.	Bulb	Base	Filament Type	LCL (In)	MOL (in)	Lumens	Color Temp	Source Size W x L (in)	Life (hrs)	Burn Position	Application	Footnotes	Figure Number
Quartzline® Single-Ended																	
30	10.8	37346	DZA 24PK	24	T3.5	G5.3 2-Pin	C-6	1.06	2	530	3100	.15 x .05	400	HD		64	85
50	12	18234	BRL	100	T3.5	G6.35 2-Pin	C-6	1.17	1.72	1400	3400		50	U		64	84
100	12	14876	FCR 100PK	100	T3	GY6.35 2-Pin	C-6 Oval	1.18	1.75	2800	3300	.20 x .15	50	HD		64	84
		35321	FDT	24	T3	GZ9.5 2-Pin Pf	C-6 Oval	1.06	2.12	2900	3300	.23 x .15	50	HD		64	88
150	24	13598	FCS 100PK	100	T4	G6.35 2-Pin	C-6 Oval	1.18	2	4500	3300	.25 x .15	50	HD		64	84
		36878	FDV	24	T4	G6.35 2-Pin	C-6 Oval	1.19	2	4300	3050	.25 x .15	100	U		64	84
		37695	DZE/FDS	24	T4	GZ9.5 2-Pin Pf	C-6 Oval	1.31	2.68	4000	3250	.25 x .15	100	HD		64	88
175	24	42612	EML UNIT	24	T4	G5.3 2-Pin	C-6	1.06	2.12	5000	3200	.21 x .19	125	HD		64	85
250	24	14874	EHJ 100PK	100	T4	G6.35 2-Pin	C-6 Oval	1.31	2.25	8000	3400	.30 x .15	50	HD		64	84
	120	13617	EYH/FKT UNIT	24	G6	G5.3 2-Pin	CC-6	1.44	2.5	6000	3000	.55 x .17	200	HD		64	85
275	24	18241	FNT/100	100	T4	G6.35 2-Pin	C-6 Oval	1.31	2.25	10000	3400	.14 x .28	50	HD		64	84
300	24	19886	FLW	48	T4	GY6.35 Ceramic	C-6 Oval	1.21	2.15	10200	3500	.34 x .23	50	HD		64	-
360	82	12696	EYB UNIT	24	T3.5	G5.3 2-Pin	CC-8	1.25	2.25	10000	3300	.30 x .20	75	HD		64	85
	86	19322	EYB-5 UNIT	24	T3.5	G5.3 2-Pin	CC-8	1.25	2.25		3200	.30 x .20	75	HD		64	85
400	36	41164	EVD	24	T6	GY6.35 2-Pin	C-6	1.4	2.34	14500	3200		50	HD		64	84
500	120	36178	BCK	24	T6	G17q 4-Pin	C-13D	1.56	3.25		3200		50	HD	Slide Projection	5, 64	86
		36117	CBA	24	T6	G17q 4-Pin	C-13D	1.75	3.62		3200		50	HD	Slide Projection	6, 64	87
		33663	FBG/FBD	24	G6	G5.3 2-Pin	CC-6	1.75	3	13200	3200	.50 x .20	50	U		64	85
		37527	EHA	24	T6	GZ9.5 2-Pin Pf	C-13D	1.44	3		3300	.35 x .35	50	HD		5, 64	88
		19897	EPR	24	T6	TF	C-13D	2.68	1.56		3250	.31 x .30	50	HD		64	-
600	120	32071	DYP	24	G7	2-Button	CC-6	1	2.25	17000	3200	.50 x .25	75	HD		64	89
		30364	DYH	24	G7	G5.3 2-Pin	CC-6	1.44	2.5	17000	3200	.50 x .25	75	U		64	85
		38675	BVE	24	T6	GZ9.5 2-Pin Pf	C-13D	1.75	3.5		3200	.35 x .35	75	HD		5, 64	88
		19479	DYS-5 UNIT	24	G7	GZ9.5 2-Pin Pf	CC-6	1.44	2.5	15500	3200	.45 x .45	150	HD		64	88
		32955	DYS/DYV/BHC	24	G7	GZ9.5 2-Pin Pf	CC-6	1.44	2.5	17000	3200	.50 x .25	75	HD		64	88
650	120	30304	DVY	24	G6	G5.3 2-Pin	CC-6	1.44	2.48	20000	3300	.50 x .20	25	HD		9, 64	85
	220	33248	DYR	24	G7	GZ9.5 2-Pin Pf	2CC-8	1.44	2.5	16500	3200	.45 x .45	50	U		64	88
	240	33250	DYR	24	G7	GZ9.5 2-Pin Pf	2CC-8	1.44	2.5	16500	3200	.45 x .45	50	U		64	88

Quartzline® Double-Ended Projection

FEATURES

- Source size is the dimensions of the rectangular area, centered on the lamp axis, within which all luminous parts of the filament lie when viewed perpendicular to the coil axis


Fig. 90

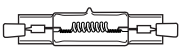


Fig. 91

Watts	Volts	Order Code	Description	Case Qty.	Bulb	Base	Filament Type	MOL (in)	Lumens	Color Temp.	Source Size W x L (in)	Life (hrs)	Burn Position	Application	Footnotes	Figure Number
Quartzline® Double-Ended Projection																
375	30	29578	DWZ	24	T4	R7s	CC-8	3.13	7500	3000	.35 x .18	1000	U	Bowling Projector	64	90
420	120	29581	FAL	24	T4	R7s	CC-8	2.63	11000	3200	.35 x .17	90	U	Printer	64	90
		30276	FFM	24	T4	R7s	CC-8	3.13	11000	3200	.50 x .25	90	U	Copyboard	64	90
600	120	29598	FCB	24	T4	R7s	CC-8	3.75	17000	3250	.45 x .18	120	U	Overhead Projection	64	90
		29592	FFJ	24	T4	R7s	CC-8	2.63	17000	3250	.60 x .17	85	U	Printer	64	90
800	230	36952	DXX	24	T4	R7s	CC-8	3.13	21400	3200	.90 x .17	75	U	Copyboard, Studio	64	90
	240	36953	DXX	24	T4	R7s	CC-8	3.13	21400	3200	.90 x .17	75	U	Copyboard, Studio	64	90
1000	120	29604	BRH	24	T5	R7s	CC-8	3.75	30000	3350	.70 x .21	60	U	Overhead Projection	64	91
		38311	ETT UNIT	24	T5	R7s	CC-8	3.75		3350		70	U	Spec. (PH1000H)	64	91

Lamp stocking color code: **EU Only**, **EU and NA**, **NA Only**

Incandescent Projection

FEATURES

- Many contain internal proximity or focusing reflectors


Fig. 92

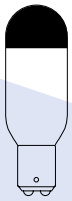


Fig. 93


Fig. 94

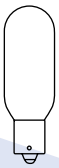


Fig. 95

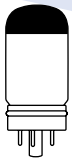


Fig. 96

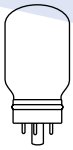


Fig. 97

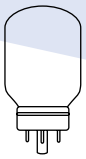


Fig. 98


Fig. 99

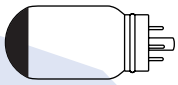


Fig. 100


Fig. 101

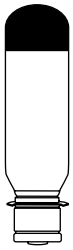


Fig. 102

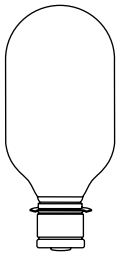


Fig. 103

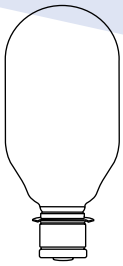


Fig. 104

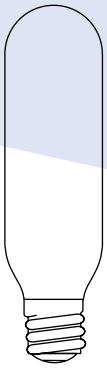


Fig. 105

Watts	Volts	Order Code	Description	Case Qty.	Bulb	Base	Filament Type	LCL (in)	MOL (in)	Lumens	Color Temp.	Working Distance	Reflector Type	Life (hrs) Burn Position	Application	Footnotes	Figure Number
Incandescent Projection																	
30	118	**29140 BLC**		120	S11	D. C. Bay.	CC-2V	1.38	2.38	400	2775			50 U	Editor Projection		92
34	8.5	**30421 BXB**		24	T8	S. C. Pref.	C-8	1.63	3.13	690				100 HD	Sound Reproduction	16	
35	12	**30202 EAJ**		24	T6.4	D.C. Bay.	C6	1.77	4	620				300 U	Flashtube Modeling	14, 64	
25							C6			420				300			
50	118	**29156 BLX**		120	S11	D. C. Bay.	CC-2V	1.38	2.38	780	2850			50 HD	Toy Projection		92
		29171 CAX		24	T8	D. C. Bay.	CC-2V	1.38	3.13	775	2875			50 BD	Optical Projection		
	130	**29169 CAX**		24	T8	D. C. Bay.	CC-2V	1.38	3.13	775	2875			50 BD	Optical Projection		
75	118	**29208 CBX/CBS**		24	T8	D. C. Bay.	CC-13	1.38	3.13	1200	2925			50 BD	Slide Projection	10, 64	93
	120	**32137 BNF**		120	S11	D. C. Bay.	CC-2V	1.38	2.38	1300	2900			25 HD	Toy Projection		92
80	30	**36122 DFE UNIT**		24	T12	GX17q 4-Pin	CC-8	1.56	3.19		3400	2.25	Focusing	15 HD	8mm Projection	64	
		40216 DLD/DFZ UNIT		24	T14	GX17q 4-Pin	CC-6	1.56	3.5		3400	1.75	Focusing	15 HD	8mm Projection	13, 64	94
100	118	**29266 CDJ**		24	T8	D. C. Bay.	CC-2V	1.38	3.13	2000	2975			50 BD	Slide Projection	64	95
		29244 CEB		24	T8	D. C. Bay.	CC-13	1.38	3.13	1850	2975			50 BD	Slide Projection	64	
	120	**29257 CDD**		24	T8	S. C. Bay.	CC-2V	1.38	3.13	2000	2975			50 BD	Slide Projection	64	95
120	120	**43330 CEM UNIT**		24	T8	S. C. Bay.	2CC-8	1.38	3.13	1950	3000			200 BD	Wheel Align Projection	10, 64	
150	21	**29360 DCA**		24	T12	GX17q 4-Pin	CC-6	1.56	3.56		3250	1.75	Focusing	15 HD	8mm Projection	11, 64	
	22	**29366 DLS/DLG/DHX**		24	T14	GX17q 4-Pin	CC-6	1.56	3.44		3250	1.75	Focusing	15 HD	8mm Projection	13, 64	
	120	**29380 CAR**		24	T10	G17q 4-Pin	2CC-8	1.31	3.13		3100		Proximity	15 BD	Slide, Film Strip	10, 64	96
		29364 DCH/DJA/DFP		24	T12	G17q 4-Pin	CC-6	1.56	3.38		3150	2.25	Focusing	15 BD	8mm Projection	64	97
		29338 DJL		24	T14	G17q 4-Pin	CC-8	1.56	3.5		3150	1.75	Focusing	15 HD	8mm Projection	64	98
	125	**29386 DFN/DFC**		24	T12	G17q 4-Pin	CC-8	1.56	3.19		3150	2.25	Focusing	15 HD	8mm Projection	64	97
200	24	**29405 DSW**		24	T14	GX17q 4-Pin	CC-8	1.56	3.38		3300	1.75	Focusing	25 HD	8mm Projection	13, 64	
300	120	**29525 CAL**		24	T10	G17q 4-Pin	C-13	1.56	4		3200		Proximity	25 BD	Slide, Film Strip	11, 64	
500	120	**29664 CZA/CZB**		24	T10	G17q 4-Pin	C-13D	1.56	4		3300		Proximity	25 BD	Slide Projection	11, 64	99
		29737 DEK/DFW/DHN		24	T12	G17q 4-Pin	C-13D	1.75	3.62		3250		Proximity	25 HD	Slide Projection	12, 64	100
		29677 CZX/DAB		24	T10	Med. Pref.	C-13D	2.19	5.75	12500	3200			25 BD	8mm Projection	10, 64	101
750	125	**29836 DDB**		24	T12	Med. Pref.	C-13D	2.19	5.75	19500	3250			25 BD	16mm Projection	10, 64	102
1000	118	**29968 DRB**		24	T20	Med. Pref.	C-13	2.19	5.75	32000	3350			25 BD	Overhead projection	64	103
	120	**29979 DRC**		24	T20	Med. Pref.	C-13	2.19	5.75	30000	3250			50 BD	Overhead & opaque projection	64	103
		29947 DRS		24	T20	Med. Pref.	C-13D	2.19	5.75	28500	3325			25 BD	Overhead projection	64	104
		29959 DPT		12	T20	Mogul	C-13	4.75	9.06	28000	3200			50 BD	Opaque Projection	64	105

Lamp stocking color code: **EU Only**, **EU and NA**, **NA Only**

Photo/Projection

Photoflood, Enlargers, Printers, Arc Sources

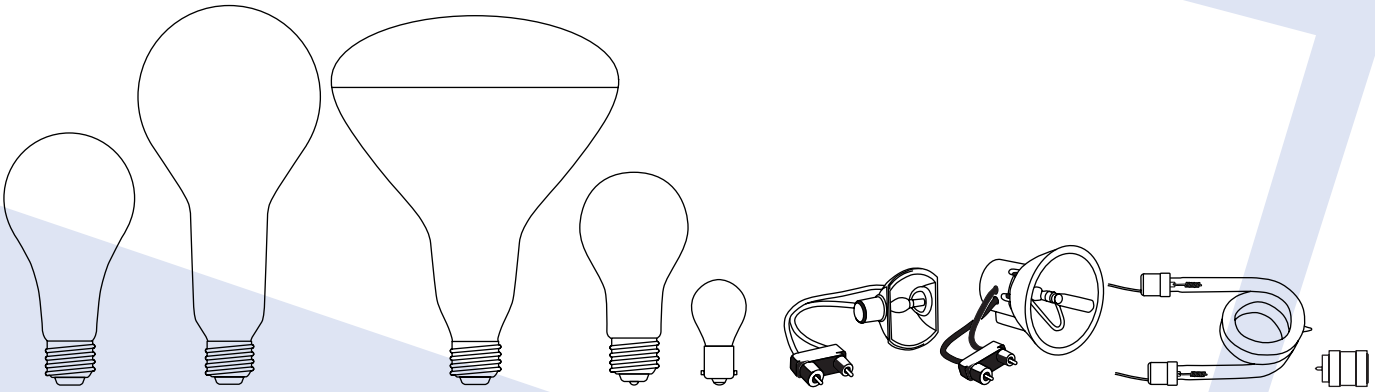
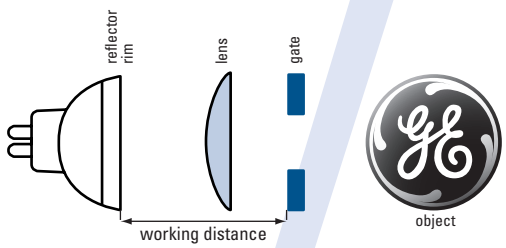


Fig. 106 Fig. 107 Fig. 108 Fig. 109 Fig. 110 Fig. 111 Fig. 112 Fig. 113 Fig. 294

Watts	Volts	Order Code	Description	Case Qty.	Bulb	Base	Filament Type	MOL (in)	Lumens	Color Temp.	CBCP	Working Distance	Life (hrs)	Burn Position	Application	Footnotes	Figure Number
Photoflood																	
30	125	30232	BLK UNIT	120	S11	Cand.	CC-2V	2.25	400	2700			50	U	Photocopy, Inside Frost	64	
250	118	40563	BBA 24PK	24	A21	Medium	C-9	4.94	8000	3400			3	U	No. 1 Photoflood, Frost	64	106
		40564	BCA 24PK	24	A21	Medium	C-9	4.94	5000	4800			3	U	No B1 Blue, Inside Frost	64	106
	120	40565	ECA 24PK	24	A23	Medium	C-9	6	6500	3200			20	U	Inside Frost	64	106
300	115	40886	BAH 24PK	24	A21	Medium	C-9	4.94	9000	3200			20	U	Photocopy, Inside Frost	64	106
500	118	40566	EBV 24PK	24	PS25	Medium	C-9	6.94	17000	3400			6	U	No 2, Inside Frost	64	107
		40567	EBW PH/B2 24PK	24	PS25	Medium	C-9	6.94	10500	4800			6	U	No. B2, Blue, Inside Frost	64	107
500	120	40568	ECT 24PK	24	PS25	Medium	C-9	6.94	13650	3200			60	U	Inside Frost	64	107
		30151	DXB	24	R40	Medium	CC-2V	6.63		3300	45000		6		Spot Beam, 15 degrees	17, 64	108
		30145	DXC	24	R40	Medium	C-9	6.63		3300	5500		6		Flood Beam, 90 degrees	17, 64	108
		30281	EAL	24	R40	Medium	CC-2V	6.63		3200	6800		15		Medium Beam, 60 degrees	17, 64	108
Enlarger & Printer																	
75	120	43220	PH/140 UNIT	120	S14	Medium		3.38	1150	2900			35	U	Enlarger, White	64	
		40569	PH/211 24PK	24	A21	Medium		4.94	1000	3000			65	U	Enlarger, White	64	109
	125	30162	PH/111A	120	S11	S.C. Bay.		2.38	1120	2900			15	HD	Enlarger, White	64	110
150	120	40570	PH/212 24PK	24	A21	Medium		4.94	2300	3050			100	U	Enlarger, White	64	109
250	120	40571	PH/213 24PK	24	A21	Medium		4.94	7000	3400			3	U	Enlarger, White	64	109
Pulsed Xenon Arc, Gemini® and MARC™, Light Engine™																	
300	14	10115	CXE300/BF	4	T11	Special		1.67	5000	5600	500M		1000	BDTH	Light Engine™, Medical	14, 176, 185	294
	35	11134	GEMINI 300 (EZG)	4	PAR20	Special 2-Pin Plug				6000		1.46	75	H	Replaces MARC 300/16A	19, 64	111
350	45	39936	MARC 350-16T EZT	4	PAR24	Special 2-Pin Plug			50	5000		2.05	50	H		19, 64	112
4000		30124	PXA 50	6	T3	WireTerm/Ceramic		4.63	125000	6000				U	Graphic Arts	64	113
8000		30129	PXA-80	6	T3	WireTerm/Ceramic		4.63	240000	6000				U	Graphic Arts	64	113

Working Distance



Lamp stocking color code: **EU Only**, **EU and NA**, **NA Only**