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2010 CATALOG



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12, 17, 34 & 38

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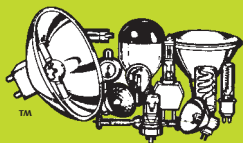
Bulb Direct
1 Fishers Rd.

Pittsford, NY 14534-9511

Customer Service Hours:

Mon.-Thurs. 8am to 6pm.

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Bulb Direct
Replacement Lamps for Your Equipment

TERMS & CONDITIONS

PAYMENT

Mastercard, Visa, American Express and Discover cards are accepted. Orders may be prepaid by money order or check; there is a \$20 fee for returned checks. Net-30-day accounts available; please call for details. A late fee may be charged on all past-due accounts.

PRICES

All prices are in U.S. Dollars and are subject to change without notice.

BACKORDERS

Backorders are shipped as soon as the merchandise arrives at our facility. Most backorders follow within 3 weeks, although some take longer due to limited production of certain products.

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Pricing furnished On Request. POR in a product listing means the item may no longer be manufactured and/or quantities are limited.

RETURN POLICY

All products purchased carry a 100% guarantee. If for any reason you are not satisfied with your purchase, you may return it within 30 days of purchase for an exchange or a full refund of the product purchase price. Special orders will be subject to a restocking fee.

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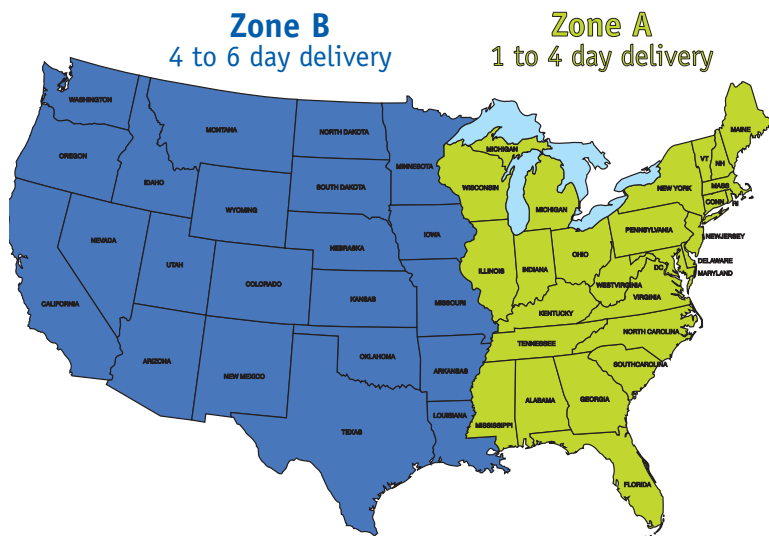
We take many precautions to assure your order will arrive promptly and safely. But, if the merchandise has been lost, damaged, or broken during shipment, please call us at 1-800-772-5267 and inform us within 10 days of receipt of your order.

Remember our commitment to you.

Excellent customer service will always be an integral part of our business. If at any time you have a question or concern, please don't hesitate to contact us. We're here to help!

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Again in 2010, our **standard** packaging and handling charge will be just \$6.75 for delivery in Zone A or \$7.75 for delivery in Zone B to deliver your package our most economical way.

NEED IT SOONER? For just \$5.50 more for the first two pounds we will deliver your package in three days, or if you need it overnight or in two days, you will be charged at our discounted rate.

*Additional shipping charges for Hawaii, Alaska, Puerto Rico and international destinations.

Shipments sent via US Postal Service due to the buyer's request or necessitated by the lack of a street deliverable address being provided are at the risk of the buyer.



3 WAYS TO FIND BULBS IN THIS BULB DIRECT CATALOG

1. Use our index to find the category, application, or manufacturer of your replacement lamp. For example, Photographic, Medical and Graphic Arts are applications, while Osram and Philips are manufacturers. Turn to the appropriate section.

OR

2. Most part numbers are written on the base or glass of the lamp. Match these codes to our alphabetical or numerical listing in the applicable section.

OR

3. Still can't find it? See pages 32 and 33 to best match the base and shape of the lamp. Call us with your lamp in hand and all available specifications. Manufacturer and equipment model numbers may also assist us in identifying your replacement. We'll do our best to find the correct lamp for you.

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LCD Projection Lamps

Below is a partial listing of popular LCD, DLP, D-ILA, LCOS projector and TV brands. We carry the lamps for these and many more too numerous to list. **Call us with your lamp manufacturer and model number and we will provide you with the lamp code and our current price.** You can also visit our web site at **www.bulbdirect.com** to see more technical information on the manufacturers and models we can supply.



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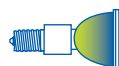
HITACHI



3M

* While available

Should you compromise projector performance quality for cost?



LCD Projection Lamps

The projector bulb is quite a technological feat: a complex mix of chemicals and precision electronics packaged in a sealed glass unit pressured to over 200 atmospheres (a car tire pressure is less than 4 atmospheres), it has to receive many kilowatts of power and operate at above 8000k. It also has to be available as a "plug and play" item which members of the public can replace for themselves, so quality and safety are paramount.

The choice of projector lamp has become a three-way decision to be made on three features: cost, performance quality and safety.

1. The lamp from the original projector manufacturer will provide the optimum performance. Original bulb manufacturers work closely with projector OEMs to ensure the lamp setup delivers the optimum performance within the projector setting. Original lamps undergo rigorous testing throughout the manufacturing process to ensure they meet quality and performance standards. This is good for the customer who can be assured of a top class solution, and good for the projector OEM as it is the projector brand reputation at stake if the performance is poor.

2. Diamond Lamps: by using original bulbs, as supplied in the projector, Diamond Lamps can guarantee the same performance in terms of lifetime, color and brightness. The bulbs are fitted into new cages to create the lamp modules which are designed for easy installation into the projector and they are covered with a 4 month warranty.

3. While copy lamps are undeniably less expensive, there are question marks over their performance quality and brightness. Typically they are from the Far East where they can be produced very inexpensively. Copy or compatible lamps are just as the name implies, imitations.

Here at Bulb Direct we only supply the original manufacturer or the Diamond Lamps. We take pride in providing quality replacements for our customers at competitive prices.

HOW TO ORDER YOUR REPLACEMENT BULB FROM BULB DIRECT

First find the manufacturer of your equipment and the model number. The bulb code may also be helpful in finding the correct replacement.

Then call us at 800-772-5267 with this information and our lamp specialists will be happy to find the correct bulb for you along with giving you current pricing and delivery times. You may also visit our web site at www.bulbdirect.com to see technical information and pictures of the bulbs.



BASE

The base is the part of a lamp that provides electrical contact to the lamps and, in most cases, also supports the lamp in the fixture. The base is measured in millimeters and the number after the letter or letters represents the diameter of the base.

Base Type Descriptions:

B, BA AND BAY are called bayonet bases and come in different diameters and in single (s) and double contacts (d) at the bottom of the base. The diameter is measured across the diameter of the smooth cylinder from side to side.

Example: BA9s which is a bayonet base with two pins on the sides, a single contact at the bottom and 9mm in diameter.

E bases are called screw or Edison screw bases and come

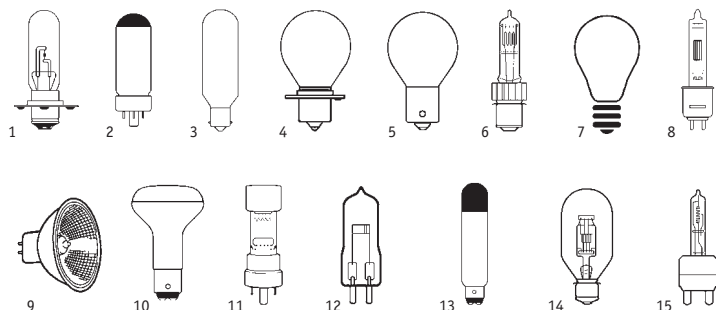
in many different diameters. The diameter is measured from one outside edge of the threaded area to the other.

Example: E14 is a European intermediate screw base which is 14mm in diameter. The most common screw base is the E26 or medium screw which is 26mm in diameter and used on many of our household bulbs.

G bases have 2 or 4 pins. These bases are measured from the middle of the first pin to the middle of the second pin.

Example: G4 is a two pin lamp with the distance between the pins of 4mm.

R7s bases are recessed single contact bases with 7mm ceramic ends with bowl-shaped contact inside each.



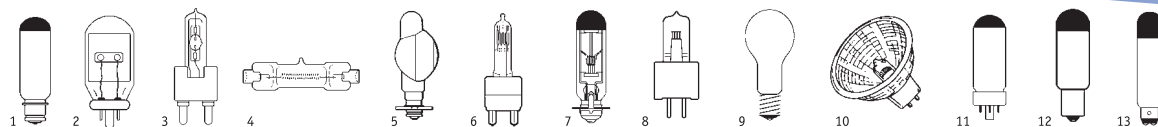
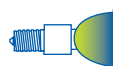
Column 1 represents GE and Osram Sylvania
Column 2 represents Ushio, Eiko & others

Figures may represent more than one lamp on this page. See matching information on page 32.

PRODUCT CODE	VOLTS	WATTS	BASE	\$COL.1	\$COL.2
BAA	28	75	GX5.3	19.15	
BAB	12	20	GX5.3	3.26	3.17
BAB-C	12	20	GX5.3	8.22	
BAB/CG	12	20	GX5.3	17.44	4.55
BAB/60	12	20	GX5.3	3.59	
BAH	115	300	E26	8.30	
BAK	4	.75A	P30s	4.55	
BBA	120	250	E26	2.55	4.86
BBF	12	20	GX5.3		4.12
BCA	120	250	E26	2.68	5.39
BCK	120	500	G17q-7		31.48
BDK*	120	100	BA15d	11.42	
BEC	120	150	BA15d		22.20
BEJ	120	200	BA15d		20.08
BFB see CEM/BFB					
BFK/BFL*	120	750	P28s	29.23	30.99
BFL/BFK see BFK					
BFM*	120	25	E14		13.07
BFR*	10.8	3A	P30s	POR	
BGB/BGK*	4	3	P30d	6.64	
BGK see BGB/BGK					
BHB	120	250	G7.9	36.28	33.15
BHC/DYS/DYV see DYS/DYV/BHC					
BHC-5 see DYS/DYV/BHC-5					
BKV	120	30	BA15s		6.58
BLC	120	30	BA15d	6.72	3.57
BLK*	120	30	E12	10.11	
BLR	120	50	BA15s		6.60
BLX	120	50	BA15d		4.90
BMG/BMH	120	100	BA15d		7.59
BMH see BMG/BMH					
BMY	120	100	BA15s		11.95
BNF	120	75	BA15d		6.19
BRD*	4	.75A	BA15s	8.99	
BRH*	120	1000	R7s		22.52
BRJ see EVB/BRJ					
BRK	4	.75A	P30s		4.33
BRL	12	50	G6.35	4.55	4.07
BRN	120	1200	G17q-7	35.89	57.18
BRP*	120	750	G17q-7		39.11
BRR*	120	1000	G17q-7		39.11
BSB see BSS/BSB					
BSS/BSB	6	1.0A	P30s		5.41
BTD*	7	.2A	P30d	10.74	
BTG	120	1200	G17q-7		47.42
BTL	120	500	P28s	26.41	26.43
BTM	120	500	P28s	33.93	27.46
BTN	120	750	P28s	29.41	29.05
BTP	120	750	P28s	34.36	29.05
BTR	120	1000	P28s	25.77	29.60
BVA	120	900	GY9.5		42.24
BVE	120	625	GZ9.5		26.98
BVK/BVS*	5	6.5A	P30s	POR	
BVM 64540	230	650	GX6.35	33.66	
BVR	120	30	BA15d		8.20

PRODUCT CODE	VOLTS	WATTS	BASE	\$COL.1	\$COL.2
BVS see BVK/BVS					
BVT	120	1000	P40s	42.26	54.78
BVV	120	1000	P40s	48.75	75.30
BVW	120	2000	P40s	70.66	95.67
BWA	120	2000	G38		95.18
BWF	120	2000	E39		99.37
BWG*	120	2000	E39	POR	97.25
BWM	120	750	G9.5		58.14
BWN	120	1000	G9.5		59.20
BXB	8.5	4A	P30s		10.57
BXE	10	7.5A	BA15s		4.52
BXG	10	75	BA15s		10.57
BXN	10	5A	P30s		12.68
BXT	12	100	BA15s		12.90
BZA (100T8/1SC)	20	100	BA15s		25.31
BZW*	115/125	50	BA15s	11.19	
CAL/CXP	120	300	G17q-7	28.15	27.38
CAR	120	150	G17q-7		31.25
CAS/CAV	120	50	BA15s	POR	
CAV see CAS/CAV					
CAW see CAX/CAW					
CAX/CAW 120V	120	50	BA15d	6.38	4.96
CAX/CAW Osram Sylvania	120	50	BA15d	12.23	
CAX/CAW 130V	130	50	BA15d	10.44	5.11
CAX HALOGEN	130	50	BA15d	12.23	20.74
CBA	120	500	G17q-7		43.17
CBA-5*	125	500	G17q-7		39.15
CBC see CBJ/CBC					
CBJ/CBC	120	75	BA15s		11.37
CBS see CBX/CBS					
CBX/CBS	120	75	BA15d		12.26
CDD	120	100	BA15s	18.41	10.13
CDJ/CEL	120	100	BA15d		15.10
CDS/CDX	120	100	BA15s		13.11
CEA/CDK/CEB	120	100	BA15d		16.45
CEL see CDJ/CEL					
CEM/BFB	120	120	BA15s		14.25
CEW/CFC/CGW	120	150	BA15s		16.17
CFC see CEW/CFC/CGW					
CGF see CGP/CGF					
CGP/CFK	120	150	BA15d		12.47
CGT see CEW/CFC/CGW					
CGW see CEW/CFC/CGW					
CHK	120	150	BA15s		13.36
CLG see CLS/CLG					
CLS/CLG	120	300	BA15s		18.73
CLX/CMB	120	300	BA15d		16.87
CMB see CLX/CMB					
CMT see CMV/CMT					
CMV/CMT	120	300	BA15s		19.24
CRT*	120	300	G17q	POR	
CTT/DAX*	120	1000	G17q-7		34.04
CVS/CVX	120	200	P28s		26.45
CVX see CVS/CVX					
CWA	120	750	G17q-7		44.29

* While available

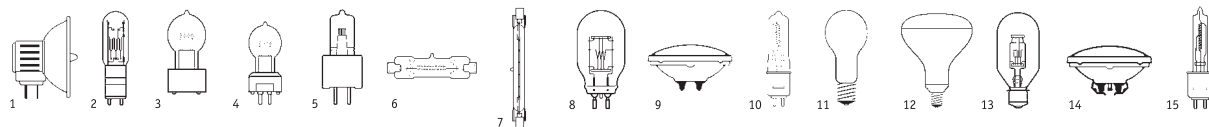


Figures may represent more than one lamp on this page. See matching information on page 32.

PRODUCT CODE	VOLTS	WATTS	BASE	\$COL.1	\$COL.2
CWA-5	125	750	G17q-7		31.81
CWY*	120	300	P46L	POR	
CWZ	120	1500	P40s		98.69
CXK	120	300	P28s		23.36
CXL/CXR	8	50	P30s		21.67
CXP see CAL/CXP					
CXY	120	300	P28s		26.43
CXZ	120	1500	G38	101.31	95.03
CYC/CYM	120	300	BA15s		18.50
CYM see CYC/CYM					
CYV	120	1000	G38	54.78	60.93
CYX	120	2000	G38	54.78	54.04
CZA/CZB	120	500	G17q-7	28.69	38.17
CZB see CZA/CZB					
CZS*	120	500	E26		30.34
CZX/DAB	120	500	P28s		27.17
DAB see CZX/DAB					
DAC*	120	150	G17q-7	POR	
DAH	120	500	G17q-7		45.45
DAS*	120	500DC Med Ring		24.25	
DAT/DAK	120	400	G17q-7	24.10	40.17
DAX see CTT/DAX					
DAY/DAK	120	500	G17q-7		29.49
DCA	21	150	GX17q-7	40.04	45.99
DCA Osram Sylvania	21	150	GX17q-7	88.42	
DCH/DJA/DFP	120	150	G17q-7		48.65
DCT*	120	2000	G38	POR	
DCX	120	750	E26		25.69
DDB/DDW	120	750	P28s		32.83
DDF*	17	55	GX5.3	35.88	
DDJ/DZZ	10	80	GZ9.5		17.59
DDK	19	80	GX5.3		18.31
DDL	20	150	GX5.3	11.12	10.57
DDM	19	80	GX5.3	13.89	17.34
DDN*	20	200	R7s	26.34	21.28
DDP*	22	132	GZ9.5		12.58
DDW see DDB/DDW					
DDS	21	80	GX5.3	12.14	13.53
DDY*	120	750	P28s		26.74
DEB	120	500	P28s		36.98
DEC*	120	750DC Med Ring	POR		
DED	13.8	85	GX5.3	11.01	13.19
DEK/DFW/DHN	120	500	G17q-7	30.32	46.62
DEP/DGR*	120	750	G17q-7	POR	
DFC see DFN/DFC					
DFD	120	1000	P28s		41.99
DFE	30	80	GX17q-7	34.46	45.68
DFN/DFC	125	150	G17q-7	39.47	42.71
DFP see DCH/DJA/DFP					
DFT	120	1000	P28s		32.90
DFW see DEK/DFW/DHN					
DFY/DFK*	120	1000	P46s	25.13	34.34
DFZ see DLD/DFZ					
DGB/DMD*	30	80	GX17q-7		34.46
DGH*	120	750	P28s	47.40	33.07
DGR see DEP/DGR					
DGS*	120	1000DC Med Ring		36.87	
DHN see DEK/DFW/DHN					
DHX see DLG/DLS/DHX					
DJA see DCH/DJA/DFP					
DJL	120	150	G17q-7	41.86	29.37
DJR*	12	100	GX17q-7	7.56	
DJT	13.8	50	GX5.3	19.51	16.57
DKX	120	1500	E39	97.82	
DKZ/DSE	120	1000	E39	92.56	112.03

PRODUCT CODE	VOLTS	WATTS	BASE	\$COL.1	\$COL.2
DLD/DFZ	30	80	GX17q-7		41.99
DLG/DLS/DHX	22	150	GX17q-7		34.88
DLN-5*	125	750	G17q-7		21.71
DLS see DLG/DLS/DHX					
DMH*	120	250	G17q-7	POR	
DMS	120	500	E26		26.96
DMX	120	500	P28s		28.57
DNE	120	150	G7.9	36.28	42.81
DNE Osram Sylvania	120	150	G7.9	17.28	
DNF GE	21	150	GX7.9	28.54	20.79
DNF Osram Sylvania	21	150	GX7.9	17.45	
DNS/FMC	120	500	P28s	34.57	61.71
DNT/FMD	120	750	P28s		61.71
DNV/FME	120	1000	P28s		47.57
DNW	120	500	P28s		30.13
DPJ	120	750	P28s		31.71
DPT	120	1000	E39		42.28
DPW	120	1000	P40s		42.28
DPY	120	5000	G38	443.33	183.08
DPY Osram Sylvania	120	5000	G38	176.36	
DRA	120	300	G6.35		13.72
DRA-5	125	300	G6.35		18.27
DRB/DRC	120	1000	P28s		35.81
DRB/DRC-5	125	1000	P28s		47.99
DRC-5 see DRB/DRC-5					
DRS	120	1000	P28s		29.49
DRW	120	1000	E39		44.40
DSE see DKZ/DSE					
DSF see DKX					
DTA	120	1500	P40s	68.28	68.67
DTJ	120	1500	P40s		52.85
DVS	130	500	R7s	18.12	4.59
DVY	120	650	G5.3	19.85	16.17
DVY-5	125	650	G5.3		19.53
DWE	120	650	Scr.Term.	31.44	42.28
DWK	230	1000	P28s		50.74
DWT*	120	1000	R7s	40.43	39.52
DWY/FAB	120	650	R7s		19.88
DWZ*	30	375	R7s	35.66	20.98
DXB	115/120	500	E26	30.59	44.38
DXC	115/120	500	E26	25.64	27.99
DXW	120	1000	R7s	21.61	17.65
DXX	230	800	R7s	23.76	19.03
DXX 240V	240	800	R7s	20.40	20.02
DYA*	120	1000	R7s	POR	31.78
DYC*	245	1000	R7s		38.23
DYD	240	1500	R7s		10.57
DYF*	19.3	140	G5.3		18.92
DYG	30	250	GY9.5		19.43
DYH	120	600	G5.3	15.43	16.58
DYP	120	600	2 Button		19.22
DYP-5	125	600	2 Button		21.86
DYR	220	650	GZ9.5		21.44
DYR 240V	240	650	GZ9.5		16.38
DYS/DYV/BHC	120	600	GZ9.5	9.95	9.95
DYS/DYV/BHC-5	125	600	GZ9.5	10.59	10.95
DYS/300	120	300	GZ9.5	13.19	
DYY/EGH	120	500	G17t-7		31.95
DZA	10.8	30	G5.3	29.49	14.24
DZB	12	100	G5.3		15.87
DZE/FDS	24	150	GZ9.5	14.76	9.41
DZP*	30	50	GX7.9	18.84	
DZZ see DDJ/DZZ					
EAD	120	60	BA15d		14.08
EAJ	12	25/35	BA15d		11.93

* While available

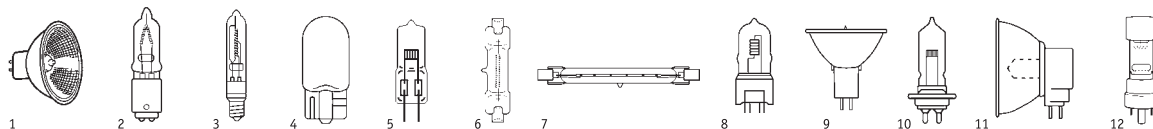
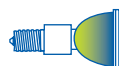


Figures may represent more than one lamp on this page. See matching information on page 32.

PRODUCT CODE	VOLTS	WATTS	BASE	\$COL.1	\$COL.2
EAK*	120	100	BA15d		15.85
EAL	120	500	E26	32.75	28.01
EBV	115/120	500	E26	3.66	5.71
EBW	115/120	500	E26	6.43	10.10
ECA*	120	250	E26	3.42	5.39
ECT	120	500	E26	3.53	6.66
EFM	8	50	GZ6.35	15.58	20.78
EFN	12	75	GZ6.35	15.58	17.58
EFP	12	100	GZ6.35	15.12	17.69
EFP/X	12	100	GZ6.35	13.83	
EFR	15	150	GZ6.35	14.08	14.27
EFR-5/X	15	150	GZ6.35	13.98	
EFX	120	500	G22	46.53	
EGC/EGD*	120	500	P28s		49.89
EGD see EGC/EGD					
EGE	120	500	P28s	34.80	30.99
EGF	120	750	P28s	78.18	49.13
EGG	120	750	P28s	36.60	32.75
EGH see DYY/EGH					
EGJ	120	1000	P28s	35.41	35.50
EGK	120	1000	P28s	37.80	52.75
EGM	120	1000	P28s	95.77	53.18
EGN	120	500	G22	34.80	35.92
EGR	120	750	G22	34.97	36.05
EGT	120	1000	G22	28.08	32.56
EGW 64535	120	650	GX6.35	14.00	
EGY*	225	1000	GX6.35	49.47	
EHA	120	500	GZ9.5	29.22	27.48
EHB see EHC/EHB					
EHC/EHB	120	500	G9.5	22.34	26.96
EHD	120	500	G9.5	26.41	23.45
EHE	12	100	PG22d	19.89	
EHF	120	750	G9.5	27.58	25.39
EHG	120	750	G9.5	28.47	24.61
EHJ	24	250	G6.35	4.61	6.87
EHM	120	300	R7s	19.45	4.46
EHP	120/130	300	R7s	17.40	18.40
EHP GE	120/130	300	R7s	34.10	
EHR	120/130	400	R7s	12.77	18.03
EHS see FER/EHS					
EHT	120	250	E11	15.89	11.83
EHV	120	325	E11		21.47
EHZ*	120	300	R7s		6.74
EJA	21	150	GX5.3	13.55	13.74
EJD*	185	1000	R7s	50.44	17.12
EJG	120	750	R7s	18.03	14.76
EJL	24	200	GX5.3	12.14	16.46
EJM	21	150	GX5.3	12.14	18.12
EJV	21	150	GX5.3	13.23	15.84
EJN see ELD/EJN					
EJY	19	80	GX5.3		23.37
EKB	120	420	GY9.5	17.62	20.38
EKD	120	650	GY9.5		18.29
EKE	21	150	GX5.3	12.92	11.10
EKE/HO	21	150	GX5.3		28.54
EKE/L	21	150	GX5.3		15.01
EKE/X	21	150	GX5.3	13.83	
EKG	19	80	GX5.3		20.21
EKL	21	150	GZ9.5		17.22
EKM	220	1000	R7s		20.93
EKN*	17.5	120	GX5.3		19.45
EKP/ENA	30	80	GX5.3	21.50	21.90
EKS see EMM/EKS					
EKX	24	200	GX5.3	16.62	16.93
EKZ	10.8	30	GX5.3	28.46	16.83

PRODUCT CODE	VOLTS	WATTS	BASE	\$COL.1	\$COL.2
ELA	19	65	G5.3		16.62
ELB	30	80	GX5.3		19.56
ELC	24	250	GX5.3	12.79	12.66
ELC 64653HLX	24	250	GX5.3	11.17	
ELC/500*	24	250	GX5.3	22.54	
ELC/E	24	250	GX5.3		20.49
ELC-HL	24	250	GX5.3	24.17	
ELC-5	25	250	GX5.3		16.91
ELC-3X	24	250	GX5.3	11.70	16.91
ELC-7X	24	250	GX5.3	13.83	
ELD/EJN	21	150	GX5.3	12.35	12.05
ELH	120	300	GY5.3	11.95	12.07
ELH-5	125	300	GY5.3		13.61
ELJ	120	1050	R7s		25.92
ELR see ELS/ELR					
ELS/ELR	16	50	GX7.9	33.83	
ELZ	21	150	GX7.9		24.21
EMC	12	100	GX5.3		18.71
EMD	120	750	R7s	50.87	13.51
EME	240	800	R7s		17.12
EMF	240	800	R7s		14.02
EMG*	220	500	GY9.5	38.69	
EMH*	17.5	75	G5.3	19.42	
EML	24	175	G5.3	13.13	15.26
EMM/EKS	24	250	GX7.9		33.87
ENA see EKP/ENA					
ENB*	21.5	150	GX5.3	18.95	
ENC see ENW/ENC					
ENG	120	300	GY5.3	14.85	20.78
ENH	120	250	GY5.3	13.23	15.89
ENH-5	125	250	GY5.3	12.77	17.97
ENL	12	50	GX5.3	12.14	12.52
ENW/ENC	19	80	GX5.3	36.22	21.42
ENX	82	360	GY5.3	10.15	10.57
ENX-5	86	360	GY5.3	10.59	12.37
ENX-7	87.5	360	GY5.3	26.30	
ENZ	30	50	GX5.3	22.92	18.89
EPK*	30	80	GX5.3	25.84	
EPN	12	35	GX5.3	29.49	16.24
EPR	120	500	G17q-7		34.67
EPT	10.8	42	GX5.3	22.60	19.59
EPV	14.5	90	GX5.3	13.89	19.12
EPW	100	360	GY5.3		25.29
EPX	14.5	90	GX5.3	14.57	16.57
EPZ	13.8	50	GX5.3	12.77	18.63
EPZ Philips	13.8	50	GX5.3	33.62	
ERC* (1991)	14	25	Wedge	8.73	
ERD* (1992)	14	35	Wedge	8.73	
ERJ*	12.8	45	G4	11.22	
ERV	36	340	GY5.3		20.78
ESA/FHD	6	10	G4	4.53	4.95
ESB/FHE	6	20	G4	4.46	4.67
ESD	120	150	GY5.3	35.07	26.93
ESH*	82	85	GY5.3		22.47
ESJ	82	85	GY5.3	21.61	22.47
ESL	120	150	E11	13.79	13.67
ESM	120	250	E11	22.49	12.23
ESM Osram Sylvania	120	250	E11	14.70	
ESN	120	100	E11	22.66	11.93
ESN Osram Sylvania	120	100	E11	13.57	
ESP	120	150	BA15d	22.66	11.43
ESP Osram Sylvania	120	150	BA15d	14.11	
ESR	120	100	BA15d	22.66	11.13
ESR Osram Sylvania	120	100	BA15d	14.11	
ESS	120	250	BA15d	16.53	10.06

* While available



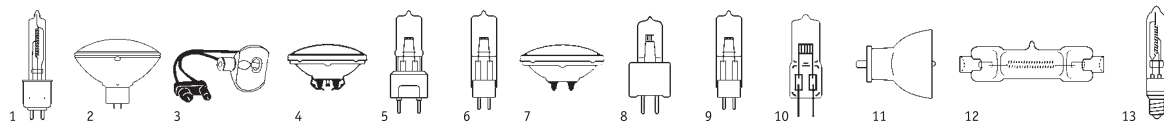
Figures may represent more than one lamp on this page. See matching information on page 32.

PRODUCT CODE	VOLTS	WATTS	BASE	\$COL.1	\$COL.2
ESX	12	20	GX5.3	4.50	3.17
ESX-C	12	20	GX5.3	8.22	
ESX-CG	12	20	GX5.3	17.44	4.69
ESY	100	150	G6.35		15.71
ETA	12	100	PG22d	29.60	
ETB	120	250	BA15d	20.32	11.93
ETC	120	150	BA15d	14.74	9.84
ETD	120	100	BA15d	13.57	13.21
ETE	120	100	E11		12.24
ETF	120	150	BA15d	44.69	10.25
ETF Osram Sylvania	120	150	BA15d	13.89	
ETG	120	150	E11	14.74	10.76
ETH	120	150	E11	46.45	10.83
ETJ	120	250	GY5.3	15.13	17.95
ETT	120	1000	R7s	61.35	
EVA	12	100	GY6.35	5.74	8.77
EVB/BRJ	15	150	G6.35	4.33	10.42
EVC/FGX	24	250	G6.35	5.32	11.47
EVD	36	400	GY6.35	10.47	9.84
EVR	120	500	E11	22.05	18.69
EVV	6.6A	120	GZ9.5	26.85	16.62
EVW	82	250	GY5.3	12.90	13.11
EWG	120	300	GY5.3		25.62
EWR	150	120	GZ9.5	29.83	
EXC	220/240	1000	Gx16d	49.26	
EXD Osram Sylvania	220/240	1000	Gx16d	45.43	
EXE Osram Sylvania	220/240	1000	Gx16d	45.43	
EXK/C	12	50	GX5.3	8.22	
EXL	6.6A	30	GZ9.5	23.17	
EXM	6.6A	45	GZ9.5	23.17	26.45
EXN	12	50	GX5.3	4.50	3.49
EXN/C	12	50	GX5.3	8.22	
EXN/CG	12	50	GX5.3	17.44	5.07
EXP*	12	35	GX5.3	8.39	
EXR	82	300	GX5.3	11.42	13.61
EXR-5	86	300	GX5.3		19.66
EXS*	30	200	GX5.3	20.70	19.56
EXT	12	50	GX5.3	4.50	3.49
EXT/C	12	50	GX5.3	8.22	
EXT/CG	12	50	GX5.3	17.44	4.69
EXV	12	100	GX5.3	31.10	19.02
EXW	82	300	GX5.3	14.99	18.04
EXW Osram Sylvania	82	300	GX5.3	31.32	
EXX	120	250	GY5.3		19.95
EXY	82	250	GX5.3	15.67	19.97
EXZ	12	50	GX5.3	4.50	3.28
EXZ/C	12	50	GX5.3	8.22	
EXZ/CG	12	50	GX5.3	17.44	4.69
EXZ/PH Phototherapy	12	50	GX5.3	4.19	
EYA	82	200	GY5.3		17.38
EYB	82	360	G5.3	9.92	10.96
EYB-5	86	360	G5.3	10.32	11.38
EYB-7	87.5	360	G5.3	21.32	
EYC	12	75	GX5.3	14.27	3.49
EYC/CG	12	75	GX5.3	20.02	4.02
EYF	12	75	GX5.3	14.27	3.49
EYF/CG	12	75	GX5.3	20.02	4.69
EYH/FKT	120	250	G5.3	14.78	16.55
EYJ	12	75	GX5.3	14.27	3.59
EYJ/CG	12	75	GX5.3	20.02	4.69
EYK	120	300	GY5.3		19.39
EYL	12	100	GZ9.5		16.81
EYP	12	42	GX5.3		3.49
EYR	12	42	GX5.3		3.81
EYS	12	42	GX5.3		3.51

PRODUCT CODE	VOLTS	WATTS	BASE	\$COL.1	\$COL.2
EYT	120	750	E11		28.58
EYV	130	500	E11	22.26	19.38
EYW	130	500	E11	18.00	25.73
EYX	120	500	E11	22.26	18.59
EZA	6.6A	30	GX5.3	27.59	
EZE	82	150	GX5.3	17.17	23.70
EZF	68	225	GX5.3	62.64	
EZK	120	150	GY5.3	20.34	
EZL	6.6A	200	GZ9.5	22.33	
EZS (MARC 300-35K)*	37.5	300	Special	91.05	
EZX/C	12	20	GX5.3	22.33	
EZY/C	12	42	GX5.3	21.95	
FAB see DWY/FAB					
FAD	120	650	R7s	16.83	16.80
FAL	120	420	R7s	19.56	17.10
FAL-5	125	420	R7s		20.02
FBD see FBG/FBD					
FBE	120	650	Scr.Term.	82.77	
FBG/FBD	120	500	G5.3	32.79	20.66
FBO	120	650	Scr.Term.	79.64	
FBT*	30	150	E10		20.30
FBV	30	250	E10		30.44
FBW*	30	350	E10		34.41
FBX	120	650	R7s	38.37	25.32
FBY	120	1000	R7s	24.84	29.18
FCA	120	650	R7s		19.85
FCB	120	600	R7s	14.89	17.12
FCB-5	125	600	R7s		20.02
FCL	120	500	R7s	12.03	5.24
FCL Osram Sylvania	120	500	R7s	4.25	
FCM	120	1000	R7s	11.31	10.57
FCM/HIR-Q650T3/4	120	650	R7s	42.79	
FCR	12	100	GY6.35	4.98	5.07
FCS	24	150	G6.35	3.45	4.23
FCV*	120	1000	G9.5	40.45	39.53
FCZ*	120	500	R7s	16.45	8.94
FDA	120	400	R7s	18.09	18.52
FDB	120	1500	R7s	29.06	28.27
FDF	120	500	R7s	37.93	18.31
FDF/HIR-Q350T2/4*	120	350	R7s	39.47	
FDN	120	500	R7s	13.57	17.34
FDS see DZE/FDS					
FDT	12	100	GY9.5	12.13	9.26
FDV	24	150	G6.35	14.43	9.70
FDX*	12	100	GY6.35		13.21
FEA	240	600	R7s		31.71
FEL	120	1000	G9.5	20.53	23.15
FEP/CP77 Osram Sylvania	240	1000	G9.5	27.45	37.00
FER/EHS	120	1000	R7s	34.60	37.10
FEV	120	200	BA15d	13.16	12.41
FEX*	240	2000	R7s		59.13
FEY	120	2000	R7s	46.09	49.03
FFJ	120	600	R7s	16.32	15.41
FFJ-5	125	600	R7s		17.55
FFM	120	420	R7s	22.32	20.21
FFN	120	1000	GX16d	34.88	42.04
FFN Osram Sylvania	120	1000	GX16d	36.28	
FFP	120	1000	GX16d	43.26	42.04
FFP Osram Sylvania	120	1000	GX16d	36.28	
FFR	120	1000	GX16d	43.26	42.04
FFR Osram Sylvania	120	1000	GX16d	36.28	
FFS	120	1000	GX16d	43.26	42.04
FFS Osram Sylvania	120	1000	GX16d	36.28	
FFT	120	1000	R7s	67.19	16.24
FFT Osram Sylvania	120	1000	R7s	15.57	

* While available

Don't forget to order a spare lamp!

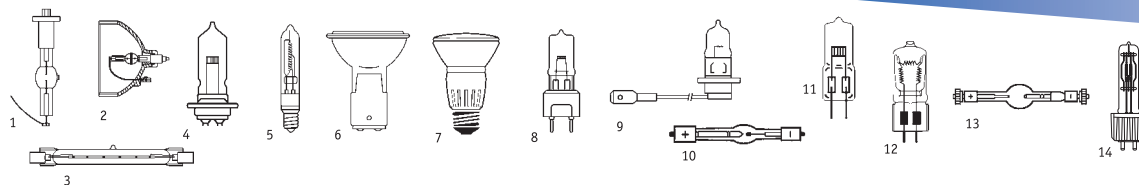
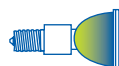


Figures may represent more than one lamp on this page. See matching information on page 32.

PRODUCT CODE	VOLTS	WATTS	BASE	\$COL.1	\$COL.2
FFT/HIR-Q675T3/4	120	675	R7s	34.80	
FFW	120	2000	R7s		33.30
FGF*	24	150	G5.3	18.94	
FGX see EVC/FGX					
FHD see ESA/FHD					
FHE see ESB/FHE					
FHM	120	1000	R7s	11.99	13.78
FHS	82	300	GX5.3	11.46	12.35
FHS-5	86	300	GX5.3		13.30
FHV*	32	150	G6.35	17.67	
FHY	24	150	G6.35		13.78
FHZ/FJV*	6	6	Special		POR
FJX*	13.8	30	GX5.3	15.77	19.79
FJY*	12	28	G3.9	16.27	
FKT see EYH/FKT					
FKW/CP81	120	300	GY9.5	31.92	30.45
FKY Philips	6	9	G3.9	37.74	
FLD*	13.8	50	Special	8.04	
FLE	82	360	GY5.3	16.98	26.64
FLF*	12	100	GX5.3	25.39	
FLK/HX600	115	575	G9.5	26.58	29.60
FLS	12	28	GZ4		19.01
FLT	13.8	25	GZ4	16.62	15.54
FLW	24	300	GY6.35	26.43	12.37
FML	13.8	50	GX5.3	20.53	21.23
FMR	120	600	GZ9.5	28.96	23.26
FMT	12	35	GX5.3		3.47
FMW	12	35	GX5.3	4.50	3.47
FMW-C	12	35	GX5.3	8.22	
FMW/CG	12	35	GX5.3	17.44	5.07
FNA	120	300	GZ9.5		18.50
FNB*	120	300	G6.35		20.89
FNS 64512	120	300	GX6.35	10.64	
FNT	24	275	G6.35	5.07	9.92
FNV	12	50	GX5.3	8.22	3.81
FNV/CG	12	50	GX5.3	17.44	4.33
FPA	12	65	GX5.3		4.12
FPA/TITAN	12	65	GX5.3	12.81	
FPB*	12	65	GX5.3		4.12
FPC	12	65	GX5.3		1.95
FRA	12	35	GX5.3	8.22	
FRG/CP82	120	500	GX9.5	22.77	28.54
FRG/CP82 GE				37.80	
FRJ/CP82	240	500	GX9.5		31.38
FRK/CP89	120	650	GY9.5	24.29	32.82
FSA	120	75	E17		16.28
FSB	120	75	E17		16.28
FSC	120	100	E17		16.28
FSD	120	75	E17		16.28
FSE	120	100	E17		16.28
FSF	120	100	E17		16.28
FSH	120	125	G5.3	15.17	16.91
FSK/CP81	240	300	GY9.5		30.11
FSL/CP81	220	300	GY9.5		31.91
FSS	12	20	BA15d		13.11
FST	12	20	BA15d		13.11
FSV	12	50	BA15d		13.11
FSX	230	400	GY9.5	47.28	
FSY	240	400	GY9.5	47.60	
FTA	12	12	GZ4		5.81
FTB	12	20	GZ4		4.65
FTC	12	20	GZ4		4.65
FTD	12	20	GZ4	6.51	4.65
FTD GE	12	20	GZ4	17.44	
FTD/CG	12	20	GZ4		5.81
FTE	12	35	GZ4	6.62	6.26

PRODUCT CODE	VOLTS	WATTS	BASE	\$COL.1	\$COL.2
FTF	12	35	GZ4	17.44	6.26
FTH	12	35	GZ4	17.44	6.26
FTK	120	500	GY9.5	15.21	23.26
FWM see FCM/HIR-Q650T3/4					
FXL	82	410	GY5.3	12.43	12.57
FXL-HIGH LUMEN	82	410	GY5.3	12.23	
FXL-5	86	410	GY5.3		10.34
GBA*	6	15	BA15d	40.49	
GBC*	6	15	BA15d	25.33	
GBD	12	20	BA15d	32.91	10.06
GBE*	12	20	BA15d	32.91	10.06
GBF	12	20	BA15d	32.91	10.06
GBG*	6	35	BA15d	21.04	
GBJ	12	50	BA15d	32.91	10.06
GBK	12	50	BA15d	32.91	10.06
GCA	120	250	G5.3	12.23	15.64
GCB*	30	200	G5.3	31.44	18.54
GCC	12	100	G5.3	13.19	21.52
GDA	120	500	R7s	46.11	16.27
GDA	220	500	R7s		18.52
GDB*	6	15	BA15d	15.00	
GDY	12	35	BA15d		13.85
GDZ	12	35	BA15d		13.85
GED*	13.8	85	LEADS	51.80	
GLA	115	575	G9.5	24.96	43.95
GLB	230	575	G9.5	192.38	
GLC	115	575	G9.5	97.38	
GLD	115	750	G9.5	26.28	
HP600/GLC	115	575	G9.5	24.96	35.78
HP600X/GLA	115	575	G9.5	24.96	29.58
HX400	115/120	375	G9.5		31.71
HX401*	115/120	375	G9.5		31.71
HX600 see FLK					
HX601	115	575	G9.5		30.13
HX602	120	575	G9.5		21.17
HX603	115	575	G9.5		34.04
HX604	115	575	G9.5		27.66
6605	6	10	G4	6.92	
13120C see CXL/CXR					
13139	12	75	GZ6.35	27.62	
13165	14	35	GZ4	26.43	
13347W	6	15	BA15d	30.86	
13528	6	15	GZ4	23.41	
13529	6	9	GZ4	29.91	
13868R see FDF					
13989R see EKM					
62138	12	100	G6.35	7.45	
64223*	6	10	G4	12.81	
64225 ESA/FHD	6	10	G4	4.53	
64250 ESB/FHE	6	20	G4	4.46	
64251 HLX	6	20	PG22	24.47	
64255	8	20	G4	19.04	
64258 HLX	12	20	G4	15.43	
64260	12	30	PG22	17.87	26.38
64261	12	30	G6.35	14.51	
64275	6	35	G4	7.66	
64315	7	45	R7s	60.15	
64512 FNS	120	300	GX6.35	10.64	
64514	120	300	GX6.35	10.53	13.26
64516*	230	300	GX6.35	36.17	
64535 EGW	120	650	GX6.35	14.00	
64540 BVM	230	650	GX6.35	33.66	
64575	230	1000	GX6.35	30.53	
64602	12	50	G6.35	20.38	
64611 HLX	12	50	G6.35	7.60	

* While available



Figures may represent more than one lamp on this page. See matching information on page 32.

PRODUCT CODE	VOLTS	WATTS	BASE	\$COL.1	\$COL.2
64614	12	75	G5.3-4.8	29.26	
64617	12	75	G5.3-4.8	19.15	
64621 HLX	12	100	PG22	20.17	
64624	12	100	G5.3-4.8	28.19	
64635 HLX	15	150	GZ6.35	59.57	
64637	12	100	GZ6	16.70	
64638 HLX	24	100	G6.35	10.00	
64650	23	50	G6.35	15.60	
64657 EVC/FGX	24	250	G6.35	5.32	
64664 HLX	36	400	G6.35	14.36	
64665 HLX	36	400	G6.35	20.74	
CSR200/DE	80	200	X515	180.34	
CSR575/SE/HR	95	575	G22	275.91	
CSR1200/DE	100	1200	SF610.5-6	180.34	
CSR1200/SE/HR	100	1200	G38	306.55	
CSR2500/DE	115	2500	SF21-12	423.77	
CSR2500/SE/HR	100	2500	G38	603.14	
HPL375/115	115	375	Heat Sink	30.30	31.71
HPL375/115X	115	375	Heat Sink	30.30	31.71
HPL550/77V/X	77	550	Heat Sink	30.30	33.30
HPL575/115V	115	575	Heat Sink	29.07	28.54
HPL575/115V/X	115	575	Heat Sink	29.07	27.48
HPL575/120V	120	575	Heat Sink	29.07	27.48
HPL750/77	77	750	Heat Sink	69.13	27.48
HPL750/115	115	750	Heat Sink	29.07	27.48
HPL750/120	120	750	Heat Sink	29.07	27.48
JC12V100WS*	12	100	G8	23.94	
JC24V300W	24	300	G6.35	20.96	
JCD120V100W/A	120	100	G6.35	15.96	
JCR/M 12V20W*	12	20	GZ4	18.38	
MARC-300/35K see EZS					
PH111A	125	75	BA15s	10.60	10.34
PH140	120	75	E26	9.79	10.34
PH211	115-120	75	E26	3.81	6.80
PH212	115-120	150	E26	3.81	6.80
PH213	115-120	250	E26		6.80
Q100CL/DC/2V see ESR					
Q100CL/MC/2V see ESN					
Q100DC/2V see ETD					
Q100MC/2V see ETE					
Q150CL/DC/2V see ESP					
Q150CL/MC/2V see ESL					
Q150CL/DC see ETC					
Q150CL/MC see ETG					
Q150DC see ETF					
Q150MC see ETH					
Q200T3/CL	120	200	R7s		2.60
Q250CL/DC 120V see ESS					
Q250CL/MC 120V see EHT					
Q250DC 120V see ETB					
Q250MC 120V see ESM					

PRODUCT CODE	VOLTS	WATTS	BASE	\$COL.1	\$COL.2
Q300T2.5 see EH2					
Q300T2.5/CL see EHM					
Q300T4/CL see EHP					
Q325/CL see EH2					
Q400T4/CL see EHR					
Q500CL/DC	120	500	BA15d	51.86	5.60
Q500CL/MC see EVR					
Q500CL/P see EGE					
Q500CL/TP see EHD					
Q500/5CL see EHC/EHB					
Q500T3 120V see FCZ					
Q500T3/CL 120V see FCL					
Q500T3/4CL see FDF					
Q750CL/P see EGG					
Q750CL/TP see EHG					
Q750/4CL see EHF					
Q750T3/4CL see EJG					
Q800T3/4CL see EME					
Q1000/4 see FCV					
Q1000/4/CL see FEL					
Q1000/4/P see EGK					
Q1000/4CL/P see EGJ					
Q1000PAR64/1 see FFN					
Q1000PAR64/2 see FFP					
Q1000PAR64/5 see FFR					
Q1000PAR64/6 see FFS					
Q1000T3/1CL see FFT					
Q1000T3/4 see FHM					
Q1000T3/4CL see FCM					
Q1000T5/1CL see DYA					
Q1000T6/CL see DWT					
Q1000T7/4CL see EGT					
Q1000T7/4CL/BP see CYV					
Q2000T10/4CL see CYX					
Q2000T8/4CL see FEY					
UXL 75XE	12.5	75			170.00
UXL 75XO	12.5	75			150.00
UXL 150M-O	17.5	150			226.67
UXL 150S	20	150			242.42
UXL 150S-O	20	150			208.00
UXL S150M-O	17.5	150			315.15
UXL 151H	20	150			215.91
UXL 152H	20	150			272.73
UXL 450S-O	18	450			642.86
UXL 451-O	18	450			590.91
500T12/8 see DEB					
500T12/9 see DNS/FMC					
500T20/64 see DNW					
750T12/9 see DNT					
1M/T12/2 see DNV					

GET GREEN WITH US

Compact fluorescent bulbs (CFLs) are becoming increasingly popular as a highly efficient alternative to standard incandescent bulbs. A single 20-watt CFL will provide the same amount of light as a 75-watt incandescent light bulb and last up to seven times longer. Because CFLs use less energy and last longer, you will save up to several times their purchase price each year through reduced electricity bills and fewer replacement bulbs.

Models on the market today are comparable in light quality to incandescent lamps and are easily compatible with standard screw-in lamp fixtures of several styles. Energy Star qualified CFLs ensure the highest performance and reliability.

Before going to purchase CFLs, write down the light output of the standard A-shaped incandescent bulb you want to replace. Then check the lumens rating on the CFL package and buy lamps that provide approximately the same amount of light. Fluorescent lamps depend on trace amounts of mercury to operate. Mercury is a toxic substance and consumers should be aware of household products that contain mercury. However, it is important to note that CFLs save 2 – 10 times more mercury from the environment than they contain by avoiding pollution from coal-fired power plants.

* While available



PRODUCT CODE	VOLTS	WATTS	BASE	PRICE
LED MR16 LAMPS				
LEDP/MR16-FL-30K	12	2	G5.3	43.20
LEDP/MR16-FL-60K	12	2	G5.3	43.20
LEDP/MR16-SP-30K	12	2	G5.3	43.20
LEDP/MR16-SP-60K	12	2	G5.3	43.20



LED PAR LAMPS				
LEDP/PAR30LN-FL-30K	120	12	E26	94.40
LEDP/PAR30LN-FL-60K	120	12	E26	94.40
LEDP/PAR30LN-SP-30K	120	12	E26	94.40
LEDP/PAR30LN-SP-60K	120	12	E26	94.40
LEDP/PAR38-FL-30K	120	18	E26	94.40
LEDP/PAR38-FL-60K	120	18	E26	94.40
LEDP/PAR38-SP-30K	120	18	E26	104.00
LEDP/PAR38-SP-60K	120	18	E26	104.00



DISPLAY LAMPS				
BAB Flood 36	12	20	GU5.3	1.95
BAB-FG Flood 36	12	20	GU5.3	2.35
ESX Narrow Spot 12	12	20	GU5.3	1.95
ESX-FG Narrow Spot 12	12	20	GU5.3	2.35
EYP Flood 36	12	42	GU5.3	1.95
EYR Narrow Spot 12	12	42	GU5.3	1.95
EXN Flood 40	12	50	GU5.3	1.95
EXN-FG Flood 40	12	50	GU5.3	2.35
EXT Narrow Spot 12	12	50	GU5.3	1.95
EXT-FG Narrow Spot 12	12	50	GU5.3	2.35
EYC Flood 36	12	75	GU5.3	1.95

PRODUCT CODE	VOLTS	WATTS	BASE	PRICE
MEDICAL LAMPS				
00366	6	4.5A	E14 Prefocus	15.22
01008	6	4.5		18.71
15S11/102CL	15	120	E26	2.37
EI-74000	24	120		14.37
EI-2201	115	20	BA15d	5.09
EI-77Z	6	15		12.77
EI-722	120	30	BA15d	5.60
EI-737	6	3A	BA15d	8.45
EI-738	6	5A	BA15d	28.98
EI-886	120	20	BA15d	7.47
EI-71818	10	70	P28s	17.45
EI-76907	6	15	BA15d	6.45
EI-77903	6	15		10.09
EI-77904	6	30	BA15d	6.79
EI-77910	6	15	BA15d	7.34
EI-B153	120	20	BA15d	11.03
EI-M102	3 to 6	2A	BA15s	6.11
EI-M103	6 to 9	2A	BA15s	6.62
EL-1B	13.5	4A	BA15s	8.45
EL-2B	8	12	BA9s	4.24
EL-3B	8	12	BA9s	4.58
EL-12B	6	15	BA9s	6.79
EL-38	8	15	BA9s	7.34
P129362-228	22.8	220	GY9.5	20.25
Q75CL/DC	28	75	BA15d	14.64
Q235T4/3	33	235	GY9.5	17.00

FLUORESCENT LAMPS				
F4T5/BL		4		2.11
F4T5/D		4		1.81
F6T5/BLB		6		8.81
F8T5/D		8		2.11
F14T8/D		14		1.60
F15T8/D		15		3.49

COMPACT FLUORESCENT LAMPS				
SP9A19/41K	120	9	E26	6.37
SP13/27K-DIM	120	13	E26	8.41
SP13/41K	120	13	E26	4.02
SP13A19/27K	120	13	E26	6.37
SP13G25/27K	120	13	E26	6.37
SP15/65K	120	15	E26	6.28

PRODUCT CODE	VOLTS	WATTS	BASE	PRICE
SP19/27K	120	19	E26	4.79
SP19/27K-DIM	120	19	E26	9.05
SP20/65K	120	20	E26	6.91
SP23/27K-DIM	120	23	E26	10.54
SP23/41K	120	23	E26	5.22
SP23/65K	120	23	E26	5.22
SP32/27K	120	32	E26	7.06
SP42/35K	120	42	E26	11.66
SP85/41/MED	120	85	E26	28.91
SP105/41/MED	120	105	E26	37.43
SP105/41/MOG	120	105	E26	37.43
PAR20/9/30K	120	9	E26	10.11
PAR30LN/15/30K	120	15	E26	11.17
PAR38/23/30K	120	23	E26	11.71
R30/15/27K	120	15	E26	8.09
R30/15/65K	120	15	E26	8.09
R30/20/41K	120	20	E26	7.98
R40/23/27K	120	23	E26	8.09
R40/23/41K	120	23	E26	8.09

MINIATURE LAMPS				
14	2.47	.3A	E5	.52
24MB	24	.073A	BA9s	1.32
85	28	.04A	Wedge	.52
120MB	120	.025A	BA9s	1.18
755	6.3	.15A	BA9s	.63
757	28	0.08	BA9s	.63
1383	13	1.5A	BA15s	1.71
1460	6.5	2.75A	DC Prefocus	4.79
1460X	6.5	2.75A	DC Prefocus	5.00
1493	6.4	2.75A	BA15d	.52
1819	28	0.05	BA9s	.52
1820	28	.1A	BA9s	.53

Our year long 12+ piece pricing specials are on page 30



DRYLAM



Roll Laminating Film 1" Core

PRODUCT CODE	DESCRIPTION/SIZE	PRICE
G1251-1	Gloss, 1.5 mil 12" x 500"	20.54
G2551-1	Gloss, 1.5 mil 25" x 500"	39.28
G2751-1	Gloss, 1.5 mil 27" x 500"	42.36

TIKO PERSONAL 9" POUCH LAMINATOR

- Easy one button operation
- Fast warm-up time with ready light
- Carrier free operation
- Two rollers
- Laminates pouch film up to 5 mil



PRODUCT CODE	PRICE
AL4202	63.95

CLEANSTAR MICRO-FIBER CLEANING CLOTH

Cleans oil, dirt, water, etc. from glass and plastic lenses. For use on camera lenses, computer screens, eye glasses, jewelry, etc. The completely washable fabric contains no chemicals. Will not scratch glass or plastic. Made with super fine, high-density, lint-free fibers.

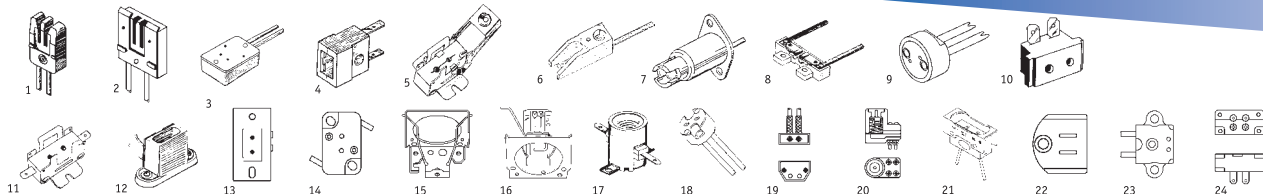


PRODUCT	SIZE	PRICE
CLEANSTAR CLOTH	7 7/8" x 7 7/8"	3.16
CLEANSTAR SUPREME CLOTH	7 7/8" x 7 7/8"	5.48

There is an additional charge for shipping on Dry-Lam products.

* While available

Sockets



PRODUCT CODE	BASE	LEADS	FIG.	PRICE
30099	Slide #5			7.60
32400	G4, G5.3, G6.35	6"	18	5.55
90-1077	R7s	6"		5.36
C-3	G9.5	12"	12	20.47
C-3A	G9.5	40"	12	24.15
C-5	GX5.3	6"	3	6.28
C-5A	GX5.3	12"	3	9.57
C-8	R7s	6"	7	8.49
C-16*	R7s			7.47
C-21	G5.3	6"	22	6.34
C-33U	GX5.3, GU5.3	6"		6.89
E14 To E12*	E12			1.32
FXALTMOPF*	Mogul Prefocus			59.20
G-12/3801	2 Pin			14.36
G-22	G22			70.21
H-701A	G6.35, GX6.35, GZ6.35	6"	14	8.83
H-705	GZ6.35	5"	16	28.21
H-7010A	G6.35, GX6.35, GY6.35	9"		16.21
H-912	G6.35, GX6.35, GY6.35	6"	9	9.04
H-973	G4			7.51
H-2571	BA15d			8.89
H-9901	G4, GZ4, GU4	6"	23	7.40
H-9971	GY9.5	6"	5	3.79
HT-456	G4, GZ4, GX5.3	9"	9	3.79
HT-458	G4, GZ4, GX5.3, G6.35, GY6.35			3.94
J-1	R7s	12"	6	6.40
J-6B	GY6.35	6"		3.60
J-9G	GY9.5, GZ9.5		24	4.68
J-10	G9.5	3"		23.38
J-11*	GZ6.35	6"	19	6.09
J-11A	G6.35	6"	19	7.45
J-12CSA	E11	6"	17	7.45
P-28S	P28s			18.09
PAR1	EMEP GX16D	36"		9.28
QCJ-6R*	GZ9.5			12.23
QCJ-11	GZ9.5		11	11.04

PRODUCT CODE	BASE	LEADS	FIG.	PRICE
QCJ-11R	GZ9.5		11	7.70
QCX-30	GY5.3	12"	3	4.85
QCX-34	GX5.3	12"	3	4.64
QCX-44	GX5.3			5.62
QEW-0	GZ9.5		10	7.55
QEW-1	GZ9.5		13	3.94
QEX-10	MR16 Holder			2.45
QEX-11	MR16 Holder		15	3.98
QHV-1	GY5.3	4"	16	6.28
QHV-1-12	GY5.3	12"		7.53
QLV-1	GX5.3	4"	16	5.43
QLV-1-12	GX5.3	12"	16	7.45
QRX-4	G4, GX4, GZ4	6"	9	5.32
QRX-6.35	G6.35, GY6.35, GZ6.35	12"	9	5.43
S2	R7s			11.66
S-4	E11		17	12.38
S-26	R7s	12"	7	6.28
S-26A	R7s	18"	7	7.55
S-48	E11	30"		9.98
S-221	GX5.3			11.49
TP-9A	GY6.35			11.70
TP-12	G5.3, GX5.3, GY5.3	6"	3	7.15
TP-22	G9.5	12"	12	15.79
TP-22	G9.5	36"	12	18.04
TP-27	GY9.5, GZ9.5			7.98
TP-30	GY5.3	5"	1	3.68
TP-40	GX5.3	6"	1	6.81
TP-41	GX5.3	8"	2	4.11
TP-56	2-Pin Multi	6"	9	4.85
TP-61	2-Pin Multi	6"	18	5.38
TP-61+	2-Pin Multi	36"	18	5.02
TP-120	G5.3, GX5.3, GY5.3	18"		4.85
TP-220	G9.5	12"		26.57
TP-220	G9.5	36"		24.34
Socket Extender	E26			4.02

Drylam - continued



Pizzazz Pouches

Fun for everyone. Twelve different designs.

Available in photo or letter size. 24 pouches per pack

D4C260	3 mil	4 1/4" x 6 1/4"	Assorted Pack Classic Frames	4.15
D4F210	3 mil	4 1/4" x 6 1/4"	Assorted Pack Fun Frames	4.15
D9C250	3 mil	9" x 12 1/2"	Assorted Pack Classic Frames	10.62
D9F200	3 mil	9" x 12 1/2"	Assorted Pack Fun Frames	10.62

Specialty Pouches

100 Pouches per box, plus 2 carriers

P309	Gloss, 3 mil	9" x 11 1/2"		18.41
PBC7	Business, 7 mil	2 1/4" x 3 3/4"		5.17
PBC5	Business, 5 mil	2 1/4" x 3 3/4"		3.83
PCC5	Business, 5 mil	2 1/4" x 3 3/4"		3.41
PCC7	Credit, 7 mil	2 1/8" x 3 3/8"		4.54
PLT5	Luggage, 5 mil	2 1/2" x 4 3/16"		5.75

50 Pouches per box, plus 2 carriers

P509	Gloss, 5 mil	9" x 11 1/2"		17.51
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Pouch Accessories

100 per pack

PPC	Pocket clip w/mylar strap			18.79
PPL	Plastic loops 6 1/2" long			9.90



Pizzazz Pouches



Definitions

ANSI Codes

These are 3-letter codes assigned by the American National Standards Institute. They provide a system of assuring mechanical and electrical interchangeability among similarly coded lamps from various manufacturers.

Ballast

An auxiliary piece of equipment required to start and to properly control the flow of current to gas discharge light sources such as fluorescent and high intensity discharge lamps.

Beam Angle or Spread

The angular dimension of the cone of light from reflectorized lamps (such as MR, R and Par types) encompassing the central part of the beam out to the angle where the intensity is 50% of maximum.

Maximum Overall Length (MOL)

The total length of the lamp, from the top to the bottom of the base.

* While available

Order by phone, fax, online or mail!

www.bulbdirect.com

13

MR 16 Display



12 Volt Lamps



WATTS	PRODUCT CODE	BEAM SPREAD	BASE	PRICE
MR16 3500K				
35	WQ35MR16/CG/35/10	Narrow Spot - 10	GX5.3	14.79
35	WQ35MR16/CG/35/17	Spot - 17	GX5.3	14.79
35	WQ35MR16/CG/35/24	Narrow Flood - 24	GX5.3	14.79
35	WQ35MR16/CG/35/36	Flood - 36	GX5.3	14.79
50	WQ50MR16/CG/35/10	Narrow Spot - 10	GX5.3	14.79
50	WQ50MR16/CG/35/17	Spot - 17	GX5.3	14.79
50	WQ50MR16/CG/35/24	Narrow Flood - 24	GX5.3	14.79
50	WQ50MR16/CG/35/36	Flood - 36	GX5.3	14.79

MR16 4100K				
35	WQ35MR16/CG/41/10	Narrow Spot - 10	GX5.3	14.79
35	WQ35MR16/CG/41/17	Spot - 17	GX5.3	14.79
35	WQ35MR16/CG/41/24	Narrow Flood - 24	GX5.3	14.79
35	WQ35MR16/CG/41/36	Flood - 36	GX5.3	14.79
50	WQ50MR16/CG/41/10	Narrow Spot - 10	GX5.3	14.79
50	WQ50MR16/CG/41/17	Spot - 17	GX5.3	14.79
50	WQ50MR16/CG/41/24	Narrow Flood - 24	GX5.3	14.79
50	WQ50MR16/CG/41/36	Flood - 36	GX5.3	14.79

MR16 4700K				
35	WQ35MR16/CG/47/10	Narrow Spot - 10	GX5.3	14.79
35	WQ35MR16/CG/47/17	Spot - 17	GX5.3	14.79
35	WQ35MR16/CG/47/24	Narrow Flood - 24	GX5.3	14.79
35	WQ35MR16/CG/47/36	Flood - 36	GX5.3	14.79
50	WQ50MR16/CG/47/10	Narrow Spot - 10	GX5.3	14.79
50	WQ50MR16/CG/47/17	Spot - 17	GX5.3	14.79
50	WQ50MR16/CG/47/24	Narrow Flood - 24	GX5.3	14.79
50	WQ50MR16/CG/47/36	Flood - 36	GX5.3	14.79



Whitestar

USHIO WHITESTAR SERIES MR-16 12V HIGH COLOR TEMPERATURE LAMPS

The Whitestar full spectrum lamp series offers 4200K, 4700K, 5300K and 6500K color temperatures, perfect for highlighting jewelry and accentuating retail displays. All Whitestar lamps feature an integrated UV protective capsule, to shield ultraviolet and infrared emissions from affecting artwork and valuable merchandise.

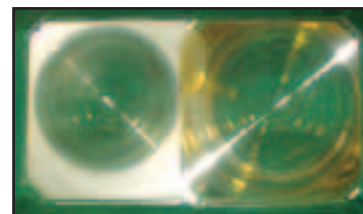
WATTS	PRODUCT CODE	BEAM SPREAD	BASE	PRICE
50	EXZ/FG/WS/4200	Medium - 24	GU5.3	9.58
50	EXN/FG/WS/4200	Wide - 36	GU5.3	9.58
50	EXT/FG/WS/4700	Narrow - 12	GU5.3	9.58
50	EXZ/FG/WS/5300	Medium - 24	GU5.3	9.58
50	EXN/FG/WS/5300	Wide - 36	GU5.3	9.58
50	EXT/FG/WS/6500	Narrow - 12	GU5.3	9.58

Fresnel Lenses



PRODUCT CODE	BRAND	OVERHEAD PROJECTOR MODELS	PRICE
50005	3M	1810, 1820, 1825, 1830, 1860, 1865, 121 series, 66 series, 521, 1093, 1094	34.03
50006	3M	Glare free version of 50005	34.03
50019	3M	1608, 1620, 1650	34.03
50030	3M	1700 Series	38.28
50031	3M	1800 Series	38.28
50005	Apollo	8100, 8104, 2213, 2210, 2250, A1-1000, Horizon 15000	34.03
50001	Audiotronics	1200, 1210, 1230	34.03
50003	Bell & Howell	300 series, 3800 series	34.03
50005	Beseler	G100, 15800	34.03
50007	Buhl	80/14, 90/14	34.03
50008	Buhl	Glare free version of 50007	34.03
50018	Buhl		34.03
50020	Buhl	111, 113, 114, 2912, 2914, 2915, 2916, 2963, 2964	34.03
50026	Buhl	2972, 2973, 2974, 2984	34.03
50005	Dukane	SP2223, SP2233, SP2234, SF3010, SF4010, SF4030, 28A611, 28A622, 28A622A, 28A632, 28A632A, 28A633	34.03
50006	Dukane	Glare free version of 50005	34.03
50003	Eiki	301A, 301L, 301LA, 388A, 388B, 389A, 389B, 3860, 3870, 3880, 3890	34.03
50022	Elmo	HPL11, HPL11QLC, HPL3550H, HPL3550HDX, HPL2900DX, HPL355, HPL3550	34.03
50001	Kalart Victor	3650, 3651, 3651C, 3653, 3653C, 3654, 3669, 3669C, 3671, 3672, 3672C, 3679, 3675	34.03
50002*	Kalart Victor	Glare free version of 50001 for above Kalart Victor models	38.00
50001	Nuemade	3650, 3651, 3651C, 3653, 3653C, 3654, 3669, 3669C, 3671, 3672, 3672C, 3679, 3675	34.03
50005	Visual Source	VS3300	34.03
50006	Visual Source	Glare free version of 50005	34.03

NOTE: 50006 is the GlareFree version of 50005
50008 is the GlareFree version of 50007



Improve the image quality of your overhead by installing a new fresnel lens. Fresnel lenses will warp over time, causing a distorted image and an unusable projector. Replacing them with a new fresnel lens on a regular basis will reduce projector down time. Choose your standard clear or glare free lens at left.

“ Thanks. . .
you're the best.
- Char G. ”



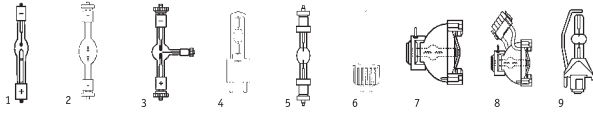


Figures may represent more than one lamp on this page. See matching information on page 32.

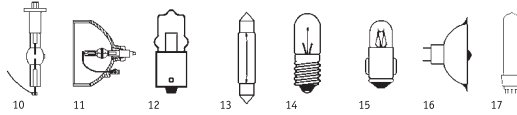
WATTS	PRODUCT CODE	BEAM SPREAD	BASE	SCOL.1	SCOL.2
MR16 12 Volts					
5	MR16-1205/CG	Fiber Optic	GX5.3		11.49
10	MR16-1210/CG	Fiber Optic	GX5.3		11.49
20	BAB	Flood - 36	GX5.3	3.26	3.17
20	BAB/B	Flood - 36	GX5.3		10.73
20	BAB/C	Flood - 36	GX5.3	8.22	
20	BAB/CG	Flood - 36	GX5.3	17.44	4.55
20	BAB/C/A/FG	Flood - 36	GX5.3		6.37
20	BAB/60	Wide Flood - 60	GX5.3		3.59
20	BAB/60/FG	Wide Flood - 60	GX5.3		4.73
20	BBF	Narrow Flood - 24	GX5.3		4.12
20	ESX	Narrow Spot - 12	GX5.3	4.50	3.17
20	ESX/CG	Narrow Spot - 12	GX5.3	17.44	4.69
20	EZX/C	Narrow Spot - 7	GX5.3	22.33	
35	FMW	Flood - 36	GX5.3	4.50	3.47
35	FMW/CG	Flood - 36	GX5.3	17.44	5.07
35	FMW/60	Wide Flood - 60	GX5.3		3.62
35	FMW/60/FG	Wide Flood - 60	GX5.3		4.73
35	FMW/60/FG/ULTRA	Flood - 36	GX5.3		7.68
35	FMV	Narrow Flood - 24	GX5.3		3.62
35	FMV/CG	Narrow Flood - 24	GX5.3		4.73
35	FMV/FG/ULTRA	Narrow Flood - 24	GX5.3		7.68
35	FRA	Narrow Flood - 22	GX5.3	8.22	
35	FMT	Narrow Spot - 13	GX5.3		3.47
35	FMT/CG	Narrow Spot - 13	GX5.3		4.73
42	EYP	Flood - 36	GX5.3		3.49
42	EYP/CG	Flood - 36	GX5.3		4.69
42	EYS	Narrow Flood - 20	GX5.3		3.51
42	EYR	Narrow Spot - 12	GX5.3		3.81
42	EYR/CG	Narrow Spot - 12	GX5.3		4.69
42	EZY/C	Very Narrow Spot - 9	GX5.3	21.95	
50	ENL	Flood - 30	GX5.3	12.14	12.52
50	EXN	Flood - 40	GX5.3	4.50	3.49
50	EXN/CG	Flood - 40	GX5.3	17.44	5.07
50	EXN/GU7	Flood - 38	GU7	14.90	
50	EXN/FG/ULTRA	Flood - 36			7.68
50	EXK/C	Narrow Flood - 30	GX5.3	8.22	
50	EXZ	Narrow Flood - 24	GX5.3	4.50	3.28
50	EXZ/CG	Narrow Flood - 25	GX5.3	17.44	4.69
50	EXZ/FG/ULTRA	Narrow Flood - 24			7.68
50	EXT	Narrow Spot - 13	GX5.3	4.50	3.49
50	EXT/C	Narrow Spot - 13	GX5.3	8.22	
50	EXT/CG	Narrow Spot - 13	GX5.3	17.44	4.69
50	EXT/FG/ULTRA	Narrow Spot - 12			7.68
50	FNV	Very Wide Flood - 55	GX5.3	8.22	3.81
50	FNV/CG	Very Wide Flood - 55	GX5.3	17.44	4.33
50	GBJ	Spot - 10	BA15d	32.71	10.06
50	GBK	Narrow Flood - 25	BA15d	32.91	10.06
65	FPB*	Flood - 38	GX5.3		4.12
65	EYJ	Medium Flood - 26	GX5.3	14.27	3.59
65	EYJ/CG	Medium Flood - 26	GX5.3	20.02	4.69
65	FPC	Narrow Flood - 24	GX5.3		1.95
65	FPA	Narrow Spot - 14	GX5.3		4.12
65	FPA/TITAN	Narrow Spot - 14	GX5.3	12.81	
71	EYC/C	Flood - 40	GX5.3	14.27	3.49
71	EYJ/C	Narrow Flood - 25	GX5.3	14.27	
71	EYJ	Narrow Flood - 25	GX5.3	14.27	3.59
75	EYC	Flood - 38	GX5.3	14.27	3.49
75	EYC/CG	Flood - 38	GX5.3	20.02	4.02
75	EYF	Narrow Spot - 14	GX5.3	14.27	3.49
75	EYF/CG	Narrow Spot - 14	GX5.3	20.02	4.69
100	EXV	Flood - 27	GX5.3	31.10	19.02
MR16 24 Volts					
20	BAB/24V/CG	Flood - 38	GX5.3		10.64
35	FMW/24V/CG	Flood - 38	GX5.3		11.71
50	EXN/24V/CG	Flood - 38	GX5.3		10.64
50	EXT/24V/CG	Narrow Spot - 10	GX5.3		10.64
MR16 120 Volts					
20	BAB/120V/CG	Flood - 38	GY8		9.58

WATTS	PRODUCT CODE	BEAM SPREAD	BASE	SCOL.1	SCOL.2
20	BAB/E26/CG	Flood - 38	E26		10.87
20	BAB/GU10/CG	Flood - 38	GU10		9.51
35	FMW/120V/CG	Flood - 38	GX5.3		9.58
35	FMW/E26/CG	Flood - 38	E26		10.87
35	FMW/GU10/CG	Flood - 38	GU10		11.17
50	EXN/120V/CG	Flood - 38	GX5.3		7.83
50	EXN/GU10/CG	Flood - 38	GU10		9.90
75	EYC/120V/CG	Flood - 38	GX5.3		9.58
75	FSA	Spot - 10	E17		16.28
75	FSB	Medium Flood - 18	E17		16.28
75	FSD	Flood - 28	E17		16.28
75	JDR120V75WLN/E26/14	Narrow - 14	E26		18.90
75	JDR120V75WLM/E26/24	Medium - 24	E26		18.90
75	JDR120V75WLW/E26/30	Flood - 30	E26		18.90
100	FSC	Spot - 10	E17		16.28
100	FSE	Narrow Flood - 18	E17		16.28
100	FSF	Flood - 28	E17		16.28
MR11 6 Volts					
5	MR11-0605/CG	Fiber Optic	GZ4		9.57
10	MR11-0610/CG	Fiber Optic	GZ4		11.17
15	GBA*	Narrow Spot - 6	BA15d	40.49	
15	GBC*	Spot - 14	BA15d	25.33	
20	MR11-0620/CG	Fiber Optic	GZ4		10.06
MR11 12 Volts					
5	MR11-1205/CG	Fiber Optic	GZ4		10.06
10	MR11-1210/CG	Fiber Optic	GZ4		10.06
12	FTA	Narrow Spot - 8	GZ4		5.81
12	FTA/CG	Narrow Spot - 8	GZ4		7.11
15	MR11-1215/CG	Medium Flood - 20	GZ4		10.11
20	GBD	Narrow Spot - 6	BA15d	32.91	10.06
20	GBE*	Narrow Flood - 18	BA15d	32.91	10.06
20	GBF	Flood - 32	BA15d	32.91	10.06
20	FSS	Narrow Spot - 10	BA15d		13.11
20	FST	Spot - 17	BA15d		13.11
20	FSV	Flood - 30	BA15d		13.11
20	FTB	Spot - 10	GZ4		4.65
20	FTB/CG	Spot - 10	GZ4		7.11
20	FTC	Medium Flood - 20	GZ4		4.65
20	FTC/CG	Medium Flood - 20	GZ4		7.11
20	FTD	Flood - 30	GZ4	6.51	4.65
20	FTD/CG	Flood - 30	GZ4		5.81
35	FTE	Spot - 10	GZ4	6.62	6.26
35	FTE/CG	Spot - 10	GZ4		7.11
35	FTF	Medium Flood - 20	GZ4	17.44	6.26
35	FTF/CG	Medium Flood - 20	GZ4		7.11
35	FTH	Flood - 30	GZ4	17.44	6.26
35	FTH/CG	Flood - 30	GZ4		7.11
35	GDY	Narrow Spot - 10	BA15d		13.85
35	GDY	Narrow Spot - 10	BA15d		15.62
35	GDY	Spot - 17	BA15d		13.85
35	GDZ	Narrow Flood - 30	BA15d		13.11
MR8 12 Volts					
20	MR8 12V-20W-N	Narrow	GZ4		13.30
20	MR8 12V-20W-W	Wide	GZ4		13.30
35	MR8 12V-35W-N	Narrow	GZ4		13.30
35	MR8 12V-35W-W	Wide	GZ4		13.30
2-PIN					
20	JC12V20WH20		G6.35		2.39
30	JC12V30WH20		G6.35		2.39
35	JC12V35WH20		G6.35		1.70
50	JC12V50WH20 (64440)		G6.35	2.54	1.70
75	JC12V75WH20		G6.35		1.70
100	JC12V100WH20 (64458)		G6.35	10.57	2.16
10	JCD6V10WH20		G4		1.71
20	JCD6V20WH20		G4		1.70
5	JCD12V5WH20 (64405)		G4	2.54	1.71
10	JCD12V10WH20 (64415)		G4	2.54	1.70
20	JCD12V20WH20 (64425)		G4	2.54	1.70
20	JCD24V20WH20 (64435)		G4	30.22	1.70

* While available



OSRAM
SYLVANIA

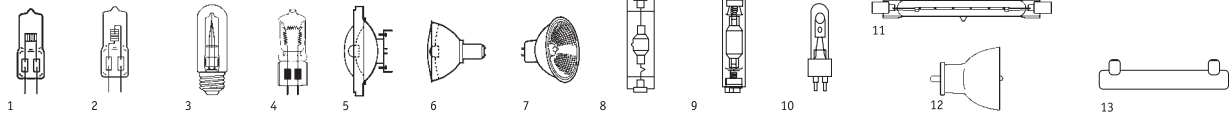


Figures may represent more than one lamp on this page. See matching information on page 32.

PRODUCT CODE	VOLTS	WATTS	PRICE
FBO16/865XP			28.96
HBO 50W/AC/L1	39-45	50	117.70
HBO 50W/AC/L2	34-39	50	117.70
HBO 50W/3	22	50	145.23
HBO 100W/2	20	100	115.63
HBO 103W/2	22	100	123.08
HBO R 103W/45	22	100	510.87
HBO 200W/DC TM	61	200	221.43
HBO 200W/DC	57	200	250.00
HBO 200W/4	61	200	240.43
HBO 202W/4	61	200	230.87
HBO 350W	60-75	350	264.00
HBO 350W/S	68	350	322.50
HMI 200W/SE	70	200	163.20
HMI 250W/SE		250	246.50
HMI 400W/SE		400	250.00
HMI 575W/SE	95	575	158.33
HMI 1200W/SE	100	1200	225.00
HMP 575W SE	95	400-700	265.75
HPL 375/115V	115	375	23.94
HPL 375/115V/X	115	375	23.94
HPL 550/77V	77	550	26.06
HPL 575/115V	115	575	23.94
HPL 575/115V/X	115	575	23.94
HPL 575/120V	120	575	23.94
HPL 575/120V/X	120	575	23.94
HPL 750/115X	115	750	23.94
HPL 750/120	120	750	23.94
HPL 750/120X	120	750	23.94
HQI-DE70/NDX*	70	70	60.17
HQI-R150/NDX/FO		150	174.03
HQI-SE150/NDX		150	60.77
HQI-TS250W/WDL*		250	111.38
HSD 200W/60	70	200	163.83
HSD 250/80	95	250	175.66
HSD 250W/UL/75	90	250	172.04
HSD 575/72	88	575	200.00
HSD 575W/UL/75	88	575	229.50
HSR 400W/60	67	400	358.66
HSR 575/72	95	575	176.60
HSR 700/60	72	700	394.01
HTI 150W	90	150	180.85
HTI 250W/22	45	270	311.66
HTI 250W/32	45	270	300.00
HTI 250W/32C	45	270	321.57
HTI 250W/SE	45	270	246.50
HTI 300W/D5/65	100	300	505.34
HTI 400W/24	55	400	265.49
HTI 400W/D3/75	49	400	210.05
HTI 400W/D5/60		400	234.57
HTI 403W/24	55	400	340.70
HTI 405W/SE*	55	400	234.80
HTI 575W/D4/75		575	276.60
HTI 575W/D5/56	95	575	297.87
HTI 600W/SE	95	600	286.67
HTI 700W/D4/75	70	700	250.00
HTI 1200W/SE	100	1200	308.33
HTI 2500 W/SE	115	2500	608.78
HTI S 35/12	85	35	178.55

* While available

PRODUCT CODE	VOLTS	WATTS	PRICE
HXP R120W/45C UV	85	120	466.67
HXP R120W/45C VIS	85	120	447.20
FT55DL/835/ECO		55	18.23
LED/BOOKLITE/BL			13.02
LED/WORKLITE/3AAA/1/CLIP			14.11
LN 60	125-130	60	30.55
LN150	125-130	150	20.32
Q220T4/2PPF	22	220	15.19
Q235T4/2PPF	33	235	13.19
XBO 75W/2	14	75	225.82
XBO 75W/2OFR	14	75	231.02
XBO R/100W/45 OFR	14	100	492.86
XBO R/100W/45C OFR	14	100	492.86
XBO 100W/OFR	14	100	342.02
XBO R101W/45C OFR	13	100	492.86
XBO 150W/1	20	150	267.40
XBO 150W/1OFR	20	150	277.18
XBO 150W/4	20	150	386.26
XBO 150W/CR OFR	18	150	276.10
XBO 150W/S	20	150	405.07
XBO R/180W/45 OFR	15	180	460.62
XBO R/180W/45C OFR	15	180	460.00
XBO R/181W/45C	14	180	460.00
XBO R/300W/60C OFR	17	300	638.27
XBO 450W	18	450	420.14
XBO 450W/OFR	18	450	490.84
XBO 450W/1	19	450	507.08
XBO 450W/2OFR	18	450	460.95
XBO 450W/4	18	450	566.67
XBO 1000W/HS OFR	19	1000	511.12
3796	24	2	1.50
3797	24	2	1.50
3893	12	4	1.57
3967*	24	15A	1.74
6253	12	5	2.62
6411	12	10	2.63
6413*	12	5	1.63
6416	6	5	1.63
6418	12	5	1.63
6424	24	5	1.84
6430	24	3	1.63
8005* BRK	4	3	12.68
8013	6	10	37.77
8017	6	15	38.19
8018	6	15	15.23
8026*	6	5A	18.88
8032*	12	100	47.40
8100	6	30	37.32
8128*	6	30	18.79
41830/SSP 35AR111/4	6	35	21.28
41832/SSP	12	35	29.17
41835/FL 50AR111/25	12	50	31.47
41835/4/SP 50AR111/SP4	12	50	15.96
41835/SP 50AR111/SP8	12	50	31.47
41840/SP 75AR111/8	12	75	15.96
41840/FL 75AR111/25	12	75	15.96
41840/WFL 75AR111/45	12	75	15.96
41850/SP 100AR111/8	12	100	18.23
41850/FL 100AR111/25	12	100	18.24



Figures may represent more than one lamp on this page. See matching information on page 32.

PRODUCT CODE	VOLTS	WATTS	PRICE
41850/WFL 100AR111/45	12	100	18.23
41900/SP 20AR48/10	12	20	15.96
41930/SP 20AR48/8	24	20	18.83
41970/FL 20AR70/25	12	20	39.55
41970/SP 20AR70/8	12	20	39.55
41990/FL 50AR70/25	12	50	41.43
48865/SP	12	35	14.89
62138 HLX	12	100	7.45
64111	12	5	4.77
64150	12	55	20.54
64151	12	55	3.72
64152	12	100	10.28
64156	24	70	13.20
64222	6	10	30.22
64223*	6	10	12.81
64225 ESA/FHD	6	10	4.53
64250 HLX ESB/FHE	6	20	4.46
64251 HLX	6	20	24.47
64255	8	20	19.04
64258 HLX	12	20	15.43
64260	12	30	17.87
64261	12	30	14.51
64265 HLX	6	30	23.94
64275AX	6	35	7.66
64315	7	45	60.15
64341 HLX	15	100	75.38
64342 HLX	15	100	62.30
64380	30	200	115.36
64382 HLX	30	200	80.55
64386	6.6A	200	23.94
64405 5T3Q/CL	12	5	3.47
64405FR 5T3Q/F	12	5	22.83
64415 10T3Q/CL	12	10	3.47
64415AX 10T3Q/CL/AX	12	10	3.72
64425 20T3Q/CL	12	20	3.47
64425AX 20T3Q/CL/AX	12	20	3.60
64432AX 35T4Q/CL/AX	12	35	14.49
64435 20T3Q/U/CL	24	20	30.11
64440 50T4Q/CL	12	50	3.47
64440AX 50T4Q/CL/AX	12	50	3.30
64445AX 50T4Q/CL/AX	24	50	6.28
64450AX 75T4Q/CL/AX	12	75	8.09
64458AX 90T4Q/AX	12	90	10.57
64484CL 75T10/HAL	120	75	34.45
64484FR 75T10/H/CF	120	75	34.45
64486CL 100T10/HAL	120	100	34.45
64486FR 100T10/H/F	120	100	34.45
64488CL 150T10/HAL	120	150	38.13
64488FR 150T10/H/F	120	150	41.43
64490CL 230T10/HAL	120	250	41.43
64490FR 230T10/H/F	120	230	41.43
64501	120	150	14.06
64512 FNS	120	300	10.64
64514	120	300	10.53
64515	230	300	16.17
64516*	230	300	36.17
64535 EGW	120	650	14.00
64540 BVM	230	650	33.66
64571 DXX	230	800	23.76
64575	230	1000	30.53
64592 FEY	120	2000	46.09
64602	12	50	20.38
64607 EFM	8	50	15.58
64609	12	50	29.79
64610 HLX BRL	12	50	4.55
64611 HLX	12	50	7.60

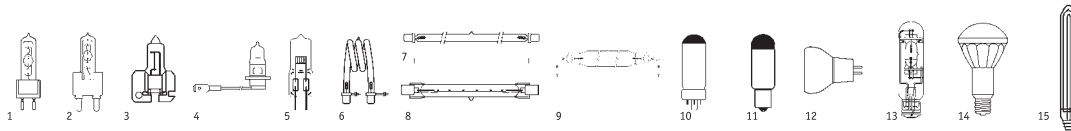
PRODUCT CODE	VOLTS	WATTS	PRICE
64613 HLX	12	75	35.11
64614	12	75	29.26
64615 HLX EFN	12	75	15.58
64616 HLX*	12	75	35.74
64617	12	75	19.15
64617S	12	75	21.28
64621 HLX	12	100	20.17
64623 HLX EVA	12	100	5.74
64624	12	100	28.19
64625 HLX FCR	12	100	4.98
64626 HLX EHE	12	100	19.89
64627 HLX EFP	12	100	15.12
64628 FDT	12	100	12.13
64633 HLX EVB/BRJ	15	150	4.33
64634 HLX EFR	15	150	14.08
64635 HLX	15	150	59.57
64637	12	100	16.70
64638 HLX	24	100	10.00
64640 HLX FCS	24	150	3.45
64641	24	150	15.43
64642 HLX FDV	24	150	14.43
64643 DZE/FDS	24	150	14.76
64647	24	120	15.11
64650	23	50	15.60
64653 HLX ELC	24	250	11.17
64654 HLX	24	250	16.60
64655 HLX EHJ	24	250	4.61
64656PT HLX FNT	24	275	5.07
64657 HLX EVC/FGX	24	250	5.32
64663 HLX EVD	36	400	10.47
64664 HLX	36	400	14.36
64665 HLX	36	400	20.74
64698	220-230	200	7.34
64700 FCL	120	500	4.25
64727 EHF	120	750	27.58
70262*	6	5A	2.55
70313	6	30	17.77
70314	6	25	17.57



NEW LED BULBS

PRODUCT	VOLTS	WATTS	LED COLOR	PRICE
LED4PAR16	120	4	3200K	58.34
LED4PAR16/GU10	120	4	3200K	58.34
LED7PAR20/827/NFL25	120	7	2700K	70.00
LED13PAR30LN/830/FL30	120	13	3000K	113.85
LED13PAR30LN/835/FL30	120	13	3500K	113.85
LED16PAR38/830/FL30	120	16	3000K	123.08
LED/MR16/DRAGON/730/NSP6	12	2.8	3000K	23.98
LED/MR16/DRAGON/735/NSP6	12	2.8	3500K	23.98
LED/MR16/DRAGON/B/NSP6	12	2.8	BLUE	22.81
LED8MR16/830/FL35	120	8	3000K	92.31
LED8A/F/830/350	120	8	3000K	66.65
LED/S14/30/Y	120	1.1	Yellow	30.30

* While available



Figures may represent more than one lamp on this page. See matching information on page 32.

PRODUCT CODE	VOLTS	WATTS	BASE	PRICE
5761	6	30	G4	7.98
5972	6	10	G4	8.94
5995 EJM	21	150	GX5.3	12.14
6423 EFR	15	150	GZ6.35	14.08
6426 GBC*	6	15	BA15d	25.33
6429 GBG*	6	35	BA15d	21.04
6433 GBD	12	20	BA15d	32.91
6434 GBE*	12	20	BA15d	32.91
6435 GBF	12	20	BA15d	32.91
6438 GBJ	12	50	BA15d	32.91
6439 GBK	12	50	BA15d	32.91
6605	6	10	G4	6.92
6800C BTL	120	500	P28s	26.41
6827Z EGR	120	750	G22	91.52
6834 EFP	12	100	GZ6.35	15.12
6839C ETA*	12	100	PG22d	29.60
6853 EFN	12	75	GZ6.35	15.58
6872P FSL	230	300	GY9.5	83.02
6899	22.8	55	G6.35	25.43
6958 EVC	24	250	G6.35	7.55
6989P GLC	115	575	G9.5	97.38
6991P GLB	230	575	GY9.5	192.38
6992P GLA	115	575	G9.5	29.91
6995C BTR	120	1000	P28s	25.77
6995Z EGT	120	1000	G22	28.08
7023 FCR	12	100	GY6.35	4.98
7027 BRL	12	50	G6.35	4.55
7158 FCS	24	150	G6.35	3.45
7387 ESA/FHD	6	10	G4	4.53
7388 ESB/FHE	6	20	G4	4.46
7724 EVA	12	100	GY6.35	7.55
7748 EHJ	24	250	G6.35	4.61
7786R FCM	120	1000	R7s	59.21
7787 EVD	36	400	GY6.35	10.47
12098R DWZ	30	375	R7s	54.43
12216R FAL	120	420	R7s	37.57
12345	12	20	G4	13.83
12455	12	100	PK22s	26.60
12850*	12	15	SV8.5	2.85
13077*	12	30	PG22d	96.36
13124 FKY*	6	9	G3.9	37.74
13131 GED*	13.8	85	SPECIAL	51.80
13139	12	75	GZ6.35	27.62
13158 ELD/EJN	21	150	GX5.3	12.35
13163 ELC	24	250	GX5.3	12.79
13164 EJJ	24	200	GX5.3	12.14
13165	14	35	GZ4	26.43
13298	10	52	GZ4	32.98
13336	24	70	PK22s	21.28
13347W	6	15	BA15d	30.86
13498	24	21	BA15s	5.32
13522*	24	0.03	WEDGE	1.50
13528	6	15	GZ4	23.41
13529*	6	9	GZ4	29.91
13629 EKE	21	150	GX5.3	12.92
13634 FHS	82	300	GX5.3	12.43
13824 ENX	82	360	GY5.3	11.20
782L-20*		14		120.77
F20T12/BB		20	G13	33.79
HPL 575W/115V/LL	115	575	Heat Sink	22.87
HPL 575W/115V/SL	115	575	Heat Sink	22.87
HPL 750W/115V/SL	115	750	Heat Sink	22.87
HPM 10/B	125	400		204.17
HPM 12	120	460		283.84
HPM 13	125	1000		222.36

PRODUCT CODE	VOLTS	WATTS	BASE	PRICE
HPM 15	240	800-1950		138.05
HPM 17	243	2000		338.41
HPM 19	200	2000		311.10
HPM 20	350	2900		311.10
HPM 20C	350	2900		132.62
MHD 200	63	200	SPECIAL	367.86
MSD 200	70	200	GY9.5	207.45
MSD 250/2	90	250	GY9.5	217.02
MSD 575	95	575	GX9.5	645.59
MSD 700	72	700	G22	962.73
MSR 125HR	80	125	GZX9.5	564.83
MSR 200HR	70	200	GZY9.5	254.47
MSR 400HR	70	400	GZZ9.5	290.43
MSR 1200	100	1200	G21	744.36
MSR 1200HR	100	1200	SPECIAL	438.30
PL-S 5W/TUV		5	G23	21.45
PL-S 9W/8		9	G23	25.21
PL-S 9W/10		9	G23	21.09
PL-S 9W/TUV		9	G23	24.15
PL-S 13W/TUV		13	G23	24.26
SAH250B	42	250	P28s	548.94
TL 30W/03*	70	30		27.64
TUV PL-S 13W		13	G23	24.26
TUV 8T5		8	G5.3	12.68
TUV15W		15	G13	25.72
TUV30W		30	G13	35.62

PHILIPS CODES NO LONGER MANUFACTURED BY PHILIPS, SEE PAGES 6 - 11

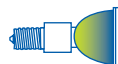
5968 see EHA	120	500	GY9.5
5973 see FDT	12	100	GY9.5
5974 see DZE/FDS	24	150	GZ9.5
6158W see CDJ/CEL	120	100	BA15d
6294C see CZA/CZB	120	500	G17q-7
6365R see FAD	120	650	R7s
6366R see DXX	240	800	R7s
6847 see EFM	8	50	GZ6.35
12260R see FCB	120	600	R7s
13160 see DDS	21	80	GX5.3
13162R see DXX	230	800	R7s
13186 see EPV	15	90	GX5.3
13189 see DJT	14	50	GX5.3
13194 see DED	13.8	85	GX5.3
13868R see FDF	120	550	R7s
13989R see EKM	220	1000	R7s

Protect your eyes!
See pages 28 & 29
for our safety glasses



Halogen lamps provide a small, white light source with excellent color rendering. Unlike standard incandescent lamps, halogen lamps use a halogen gas which allows the bulbs to burn longer without sacrificing light output.

* While available



PRODUCT CODE	VOLTS	WATTS	BASE	PRICE
1124 J120V1000WB	120	1000	R7s	4.98
1217 JP225V550WC	225	550	R7s	21.06
110001 FCL	120	500	R7s	5.00
110201 J225V1000WB	225	1000	R7s	5.24
110701 J220V500WE	220	500	R7s	20.60
110801 DVS	130	500	R7s	4.59
110901 J230V300W	230	300	R7s	3.81
111301 DYD	240	1500	R7s	10.57
112401 J120V1000WB	120	1000	R7s	4.98
112801 EHM	120	300	R7s	4.46
113001 JT120V500WB	120	500	E40	38.30
115910 JCD6V20WH20	6	20	G4	1.70
116210 EVA	12	100	GY6.35	8.77
116610 64440AX	12	50	G6.35	3.21
116620 JC12V50WH20	12	50	G6.35	1.70
116710 5972	6	10	G4	8.94
116910 JCD6V10WH20	6	10	G4	1.71
120001 FCL	120	500	R7s	5.24
121701 JP225V550WC	225	550	R7s	21.06
131401 DXV	240	800	R7s	19.03
140010 BRL	12	50	G6.35	4.07
140110 FCR	12	100	GY6.35	5.07
140210 BRL	12	50	G6.35	4.07
140310 FCS	24	150	G6.35	4.23
140316 DZE/FDS	24	150	GZ9.5	9.41
140610 ESA/FHD	6	10	G4	4.95
140710 ESB/FHE	6	20	G4	4.67
141110 EVC	24	250	G6.35	11.47
141610 EVD	36	400	GY6.35	9.84
142116 FDT	12	100	GZ9.5	9.26
142615 EFN	12	75	GZ6.35	17.58
142715 EFP	12	100	GZ6.35	17.69
142815 EFR	15	150	GZ6.35	14.27
143118 ELD/EJN	21	150	GX5.3	12.05
143215 EPV	14.5	90	GX5.3	16.58
143316 EJL	24	200	GX5.3	16.46
143416 ELC	24	250	GX5.3	12.66
143515 ENW/EWC	19	80	GX5.3	21.42
143815 ELH	120	300	GY5.3	12.07
143915 ENH	120	250	GY5.3	15.89

PRODUCT CODE	VOLTS	WATTS	BASE	PRICE
144015 ELH	120	300	GY5.3	12.07
144215 FHS	82	300	GX5.3	12.35
144315 EXR	82	300	GX5.3	13.61
144415 EXW	82	300	GX5.3	18.04
144615 ENG	120	300	GY5.3	20.78
150001 EKM	220	1000	R7s	20.93
150401 FDF	120	500	R7s	18.31
150402 FDN	120	500	R7s	17.34
150501 EJG	120	750	R7s	14.76
150502 EMD	120	750	R7s	13.51
150701 FAD	120	650	R7s	16.80
150901 FCM	120	1000	R7s	10.57
150902 FHM	120	1000	R7s	13.78
152001 FDB	120	1500	R7s	28.27
152101 FFT	120	1000	R7s	16.24
185319 FMW	12	35	GX5.3	3.47
188113 EYF	12	75	GX5.3	3.49
188119 EYC/60	12	75	GX5.3	3.62
226221 UHI-S150DW/A	95	150	G12	60.90
226222 UHI-S150WM/A	95	150	G12	60.90

“

*Dear Joyce,
First of all, thanks again for your assistance.
Just wanna tell you that I've already received the
four light bulbs. Though the shipping charge is expensive,
Bulb Direct has assured me that my slide projector is
working now!*

*Your fast response is very appreciated. I cannot do
anything but have to wait for 3 months if I order in
Hong Kong. Definitely, this is the superior advantage
of your company among the others.*

Lastly, wish you all the best at Bulb Direct.

- Best regards, Hin For Tsang”



Thorn Lamps



PRODUCT CODE	VOLTS	WATTS	BASE	PRICE
ARCSTRM3000		150		75.66
ARCSTRM4000		150		75.66
CP24	230	1000	GX9.5	40.43
CP81 FSK	240	300	GY9.5	30.11
CP81 FSL	220	300	GY9.5	31.91
CP82 FRJ	240	500	GX9.5	31.38
CP89 FRL	230	650	GY9.5	38.30
HX27	230	2000	GY16	213.34
HX401*	115	375	G9.5	31.28
HX600 FLK	115	575	G9.5	35.64
HX601	115	575	G9.5	35.11
HX602	115	575	G9.5	21.17
HX603	115	575	G9.5	34.04
HX604 GLC	115	575	G9.5	27.66
M34 FHE	6	20	G4	6.38
M36	24	250	GY6.5	25.53
P2/12	220/230	1250	R7s	21.28
THE12 FLT	13.8	25	GZ4	16.72
THE68 FLS	12	28	GZ4	17.55

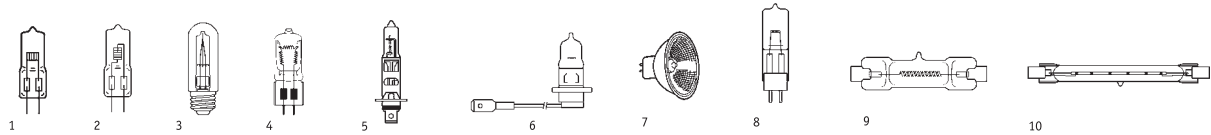
TUNGSTEN HALOGEN LAMP INFORMATION

Tungsten is the filament material used in halogen lamps, while halogen is the primary halide gas used inside a high temperature quartz glass bulb. Light output will remain constant and light distribution will remain faithful to the equipment design. Halogen lamps provide a brighter, whiter light than incandescents and deliver more lumens per watt in a more compact bulb than a comparable wattage incandescent. This allows for better optical control and beam focusing.

Halogen Lamp Caution Notices:

Halogen lamps generate intense heat, are pressurized and could shatter if scratched or damaged. Always protect against liquids when in use. Do not operate in proximity of flammable materials or substances. Do not operate above rated voltage. Low voltage tungsten-halogen lamps are especially sensitive to voltage variations. Even a small change in voltage can have a considerable impact on lamp life. Do not touch the glass of a halogen bulb with your bare fingers. Finger oils will react with the chemistry of the lamp and reduce life and/or cause the bulb to blacken. You may remove grease or fingerprints from the quartz halogen lamps with a grease free solvent such as alcohol before use. Tungsten filaments are fragile. Vibration or moving of the equipment while the bulb is still hot may cause the filament to break, therefore causing premature lamp failure.

* While available

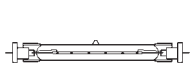


Figures may represent more than one lamp on this page. See matching information on page 32.

PRODUCT CODE	BASE	FIG #	PRICE
J12V150WA/80	R7s	10	16.26
J12V150WG	R7s	10	12.23
J120V100W/79	R7s	10	4.79
J120V100W/119	R7s	10	4.79
J120V150W/79	R7s	10	3.94
J120V150W/119	R7s	10	3.94
J120V200W/79	R7s	10	3.94
J120V200W/119	R7s	10	4.68
J120V250W/79	R7s	10	3.94
J120V250W/119	R7s	10	4.15
J120V250W/G83*	R7s	10	16.26
J120V300W/79	R7s	10	4.23
J120V300W/119 EHM	R7s	10	4.46
J120V500W/119 FCL	R7s	10	5.24
J120V500W/6 119	R7s	10	17.11
J120V1000WB 188mm	R7s	10	4.98
J120V1500WB	R7s	10	12.23
J130V100W/79	R7s	10	4.57
J130V100W/119	R7s	10	4.26
J130V150W/79	R7s	10	4.79
J130V150W/119	R7s	10	3.70
J130V200W/119	R7s	10	3.70
J130V300W/79	R7s	10	3.94
J130V300W/119	R7S	10	3.51
J220V500WE	R7s	10	20.57
J220V750WB1	R7s	10	23.38
J225V1000WB	R7s	10	4.98
J230V250W/79*	R7s	10	11.17
J230V300W	R7s	10	3.81
J240V100W/79	R7s	10	6.70
J240V1000WB1	R7s	10	13.81
J500/PB*	Pin Blade	11	7.98
JA12V35W H3	PK22s/CA	6	5.32
JA12V35WD H3	PK11s/PA	6	5.94
JA12V55W H1	P14.5s	5	5.32
JA12V55W H3	PK22s/CA	6	6.09
JA12V55WD/IP/H3 2000HR	PK22s/PA	6	5.81
JA12V100W H1	P14.5s	5	5.32
JA24V55WD	PK22S/PA		10.64
JA24V70WH2	PK/CA		7.45
JA24V70WH3	PK22s/CA	6	7.45
JC6V6W/G4	G4	1	4.79
JC6V10W/G4	G4	1	2.60
JC6V10WH3	G4	1	6.36
JC6V15W	G4	1	3.87
JC6V20W	G4	1	4.04
JC6V30W	G4	1	7.45
JC6V30WT1/G6.35	G6.35	1	25.53
JC12V5W/G4	G4	1	2.66
JC12V10W 300 HR	G4	1	2.81
JC12V10W 2000 HR	G4	1	2.23
JC12V10W/F 2000 HR	G4	1	5.32
JC12V20W 50HR	G4	1	2.58
JC12V20W 2000HR	G4	1	2.58
JC12V20WH20	G6.35	1	2.39
JC12V30W	G4	1	1.70
JC12V30WH20	G6.35	1	2.39
JC12V35W	G6.35	1	3.62
JC12V35WB/G4	G4	1	4.15
JC12V35W/GY6.35	GY6.35	1	4.57
JC12V35WH20	G6.35	1	1.70
JC12V50W C-6	GY6.35	1	2.45
JC12V50WG/1.0	G6.35	1	2.66
JC12V50WH20	G6.35	1	1.70
JC12V75W/GY6.35	GY6.35		3.09
JC12V75WH20	G6.35	1	1.70

PRODUCT CODE	BASE	FIG #	PRICE
JC12V100W/GY6.35	GY6.35		4.36
JC12V100WG 2000 HR	GY6.35		7.45
JC12V100WH20	G6.35	1	2.16
JC12V100WS*	G8	17	23.94
JC12V100WS/LP*	G8	17	23.94
JC12V125WB	BA15d	19	20.11
JC14.5V50WC	G5.3	17	18.09
JC24V20W	G4	1	4.15
JC24V50W	G6.35	1	5.85
JC24V100W/G6.35	G6.35		5.72
JC24V150WL-H	G6.35-15	17	15.96
JC24V300W-H	G6.35	1	20.96
JC24V300WB	GY6.35	1	23.94
JCD6V10WH20	G4	1	1.71
JCD6V20WH20	G4	1	1.70
JCD12V5WH20	G4	1	1.71
JCD12V10WH20	G4	1	1.70
JCD12V20WH20	G4	1	1.70
JCD24V20WH20	G4	1	1.70
JCD24V60W/BA	BA15d	13	16.17
JCD28V70W/FR	G6.35		17.85
JCD28V75WGB	BA15d		18.62
JCD100V300WL*	G6.35		23.94
JCD100V650WL	G6.35		16.79
JCD120V20W	GY6.35	2	7.26
JCD120V35W	GY6.35	2	9.57
JCD120V50W	GY6.35	2	15.94
JCD120V75W	GY6.35	2	9.34
JCD120V100W/A	G6.35	8	15.96
JCD120V150WB	G6.35	1	13.83
JCD120V300W	G6.35		9.57
JCD120V300WC	GY9.5	12	15.26
JCD120V300WC/LP	G6.35	8	23.94
JCD120V300WL	G6.35	15	23.94
JCD120V300W/CP	GX5.3		17.09
JCD120V500W*	GY6.35		25.28
JCD120V650WC	GY9.5	4	25.28
JCD120V800WC	GY9.5	12	21.28
JCD130V100W	GY6.35		12.06
JCD230V300WC	GY9.5	12	25.30
JCR12V100W/H10	GZ6.35		24.49
JCR100V300W	GY5.3	7	21.83
JCR120V150WB	GY5.3	7	15.70
JCR/M6V15W/FG	GZ4	7	19.68
JCR/M6V20W	GZ4	7	19.79
JCR/M12V20W*	GZ4		18.38
JCR/M12V50W	GZ4	7	23.94
JCR/M12V50WB*	G5.3-4.8	16	27.77
JCR/M12V75W/HO	G5.3-4.8	16	18.62
JCR/M12V100W	G5.3-4.8	16	28.77
JCR/M14V35W	GZ4	7	19.66
JCS100V650WCC	GY9.5		29.79
JCV100V300WGS	E11	15	21.60
JCV120V20W/MC/FR	E11	18	10.75
JCV120V40W/DC/CL	BA15d	19	10.75
JCV120V40WGSN	E11	18	8.40
JCV120V40W/MC/CL	E11	18	10.75
JCV120V40W/MC/FR	E11	18	12.56
JCV120V60WGSN	E11	18	8.40
JCV120V75WGSN	E11	15	11.38
JCV120V75WGB	BA15d	19	11.70
JCV120V100WGB	BA15d	19	13.30
JCV120V100WGSN	E11	15	10.64
JCV120V300WC	GX6.35	2	25.85
JCV120V400WGSN	E11	15	15.60
JCV120V500WGBF	BA15d	19	25.47

* While available



11



12



13



14



15



16



17



18



19

Figures may represent more than one lamp on this page. See matching information on page 32.

PRODUCT CODE	BASE	FIG #	PRICE
JCV120V1000WC4	GX6.35	4	36.17
JCV130V250WGSNF	E11	15	13.30
JCX12V10W	G4		4.74
JCX12V20W	G4		4.74
JCX24V20W	G4		4.74
JCX28V20W	G4		7.66
JD120V50W/DC	BA15d	19	13.30
JD120V75W/DC	BA15d	19	8.47
JD120V100W/E11	E11		8.47
JD120V150W/DC	BA15d	19	8.47
JD120V150W/E11	E11		8.47
JD130V100W/DC	BA15d	19	10.75
JDR120V75WL/M	E17	14	18.89
JDR120V75WL/M	E26		18.89
JDR120V75WL/N	E17	14	18.89
JDR120V100WL/M	E17	14	18.89
JDR120V100WL/M	E26		17.02
JDR120V100WL/N	E26		18.89
JDR50-INT	E17	14	14.89
JDR50-MED	E26		14.89
JDR/M12V35W/BA/SP GDY	BA15d		13.94
JDR/M24V20W/W	GZ4	7	9.57
JDR/M24V35W/N/FG	GZ4	7	11.70

PRODUCT CODE	BASE	FIG #	PRICE
JDR/M24V35W/N*	GZ4	7	9.57
JER24V250W ELC/E	GX5.3	7	19.68
JP120V500WC2 GDA	R7s		12.68
JP120V500WC7	R7s	10	19.15
JP220V500WC	R7s	10	19.15
JP225V550WC	R7s	10	21.06
JP245V525W*	R7s	10	21.28
JPD25V150WG1	R7s	9	12.66
JPD220V650WC	R7s	9	21.26
JPD220V1000WC	R7s	9	27.15
JR12V10W/M	GU5.3	7	7.68
JR12V20W/FL30/FG/SFT	GU5.3		7.45
JR24V20W/N	GU5.3	7	11.49
JR24V20W/W	GU5.3	7	8.51
JR24V20W/W/FG	GU5.3	7	12.34
JR24V35W/W/FG	GU5.3	7	12.34
JR24V50W/W	GU5.3	7	12.34
JR24V50W/M/FG	GU5.3	7	12.34
JR24V50W/W/FG	GU5.3	7	12.34
JR24V75W/FL36	GU5.3	7	11.51
JT120V150WG	E26	3	28.66
JT120V500WB	E39	3	38.30
JT120V1000WB	E39		44.68

UNDERSTANDING THE LAMP CODES

- Some lamps are called "ANSI-Coded" with a 3-letter code assigned by the American National Standards Institute. This provides a system of assuring physical, electrical, and performance standards for interchangeability among brands.
- Other lamps may consist of a combination of numbers and letters which can help you identify your bulb. To break down a lamp code, try using the following example:
- Miniature Lamps are usually identified by a 2, 3, or 4 digit number which is similar to an ANSI Code, because mechanical and electrical characteristics should be the same regardless of the manufacturer of the bulb.
- Not all lamps can be identified by one of the above methods. Many equipment manufacturers will put their own code on a lamp, but in many cases we can help identify your bulb. Call us with the bulb in hand, your equipment brand and model number, and we may be able to cross-reference it with that information.

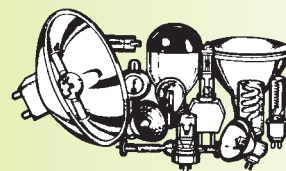


Shape Base
25T8DC/IF
Watts Diameter Finish

This bulb is 25 watts, with a T (tubular) shape, 1 inch (measured in 8ths of an inch) in diameter, with a DC (double contact) bayonet base (BA15D), and an IF (inside frost) finish.

"A special 'thank you'. Because we live on an island without a bridge, computers have become our most important shopping resource. That means we have learned to recognize and appreciate exceptional on-line service. When I contacted Bulb Direct, trying to locate a particular picture-light bulb that was "out of stock" everywhere I searched, not only did you take the time to locate a supplier, you actually followed up as soon as you were successful with a telephone call. That in itself was appreciated but even more rewarding was the thoughtful and courteous way you handled a pretty insignificant \$18.12 order. Both of you could teach a lot of people what is meant by "Customer Service" and a good telephone presence. Sincerely,

- Geof J.

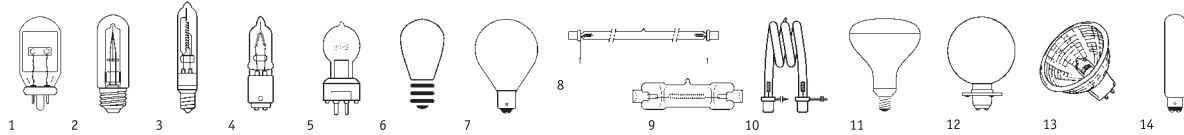


* While available

Photoflood, Enlarger & Modeling Lamps



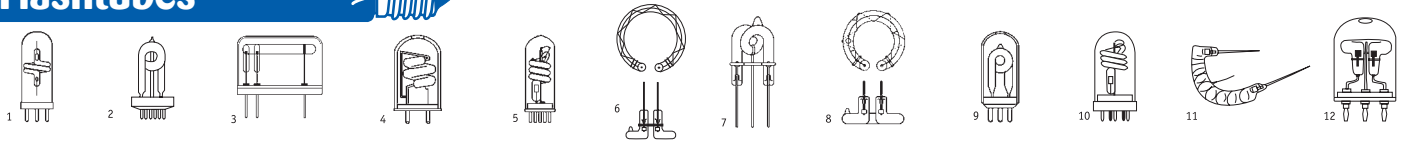
Column 1 represents GE and Osram Sylvania
Column 2 represents Ushio, Eiko & others



Figures may represent more than one lamp on this page. See matching information on page 32.

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2	PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
BAH	115	300		8.30	ESS	120	250	16.53	10.06
BBA	120	250	2.55	4.86	ETB	120	250	20.32	11.93
BCA	120	250	2.68	5.39	ETC	120	150	14.74	9.84
BLK	120	30	10.11		ETD	120	100	13.57	13.21
CXK	120	300		23.36	ETE	120	100		12.24
DCA	21	150	40.04	45.99	ETF	120	150	44.69	10.25
DLG/DLS/DHX	22	150		34.88	ETF Osram Sylvania	120	150	13.89	
DMS	120	500		26.96	ETG	120	150	14.74	10.76
DVY	120	650	19.85	16.17	ETH	120	150	46.45	10.83
DXB	115/120	500	30.59	44.38	EVR	120	500	22.05	18.69
DXC	115/120	500	25.64	27.99	EVW	82	250	12.90	13.11
DYH	120	600	15.43	16.58	EXN	12	50	4.50	3.49
EAD	120	60		14.08	EXS*	30	200	20.70	19.56
EAJ	12	35		11.93	EXT	12	50	4.50	3.49
EAL	120	500	32.75	28.01	EXT/C	12	50	8.22	
EBV	120	500	3.66	5.71	EXV	12	100	31.10	19.02
EBW	120	500	6.43	10.10	EXX	120	250		19.95
ECA	120	250	3.42	5.39	EYA	82	200		17.38
ECT	120	500	3.53	6.66	EZF	68	225	62.64	
EFN	12	75	15.58	17.58	EZK	120	150	20.34	
EFP	12	100	15.12	17.69	FAL	120	420	19.56	17.10
EHT	120	250	15.89	11.83	FCS	24	150	3.45	4.23
EJL	24	200	12.14	16.46	FDV	24	150	14.43	9.70
EJM	21	150	12.14	18.12	FFJ	120	600	16.32	15.41
EJV	21	150	13.23	15.84	FFM	120	420	22.32	20.21
EKG	19	80		20.21	JCD100V650WL	100	650		16.79
ELB	30	80		19.56	JCD120V650WL	120	650		25.28
ELC	24	250	12.79	12.66	JCR100V300W	100	300		21.83
ELC/E	24	250		20.49	JCS100V650WCC	100	650		29.79
ELH	120	300	11.95	12.07	PH111A	125	75	10.60	10.34
ENH	120	250	13.23	15.89	PH140	120	75	9.79	10.34
ESD	120	150	35.07	26.93	PH211	120	75	3.81	6.80
ESJ	82	85	21.61	22.47	PH212	120	150	3.81	6.80
ESL	120	150	13.79	13.67	PH213	120	250		6.80
ESM	120	250	22.49	12.23	PXA44*		600	67.70	
ESM Osram Sylvania	120	250	14.70		PXA45*		1500	70.28	
ESN	120	100	22.66	11.93	PXA80*		8000	226.80	
ESN Osram Sylvania	120	100	13.57		25T8DC	120	25	4.87	1.21
ESP	120	150	22.66	11.43	64488CL	120	150	27.73	
ESP Osram Sylvania	120	150	14.11		64488FR	120	150	30.26	
ESR	120	100	22.66	11.13	64490CL	120	230	30.26	
ESR Osram Sylvania	120	100	14.11		64490FR	120	230	30.26	

Flashtubes

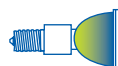


PRODUCT CODE	VOLTS	WATTS	FIG.#	PRICE	PRODUCT CODE	VOLTS	WATTS	FIG.#	PRICE	PRODUCT CODE	VOLTS	WATTS	FIG.#	PRICE
36R*		200/400	6	35.80	96	900	2000	3	111.64	C4-15	450	600		101.57
58*	300-700	2400		175.45	96UV	900	2000	3	124.65	C4-15UV				160.42
58UVBP*	300-700	2400		300.49	97	900	400	4	61.82	MFT-67RH	800-1100	600		69.23
64*	600-900	2400		162.04	98	600-1000	2400	4	109.09	Some Photogenic Brand flashtubes are available, please call for pricing.				
66*	275-500	500	3	114.64	98UV	600-1000	2400	4	119.71	Photogenic Brand flashtube replacements				
76	600-900	400	10	30.64	101	450-900	600-1000	12	157.24	C4-1 use 93			H4-1 use 95	
76UV	600-900	400	10	42.40	120HD	450	400	9	24.62	C4-5 use 101			H4-6HD use 120HD	
92	800	1000	8	27.27	120HDUV	450	400	9	27.27	FT217 use 120HD			H9-1 use 97	
92UV	800	1000	8	39.25	140HD	450-500	400	9	26.60	FT221 use 120HD				
93	400	200		31.38	140HDUV	450-500	400	9	34.38					
94	900	400	8	32.96	152	400	10-30	2	23.53					
95	400	400	4	70.73	C4-4*				102.57					

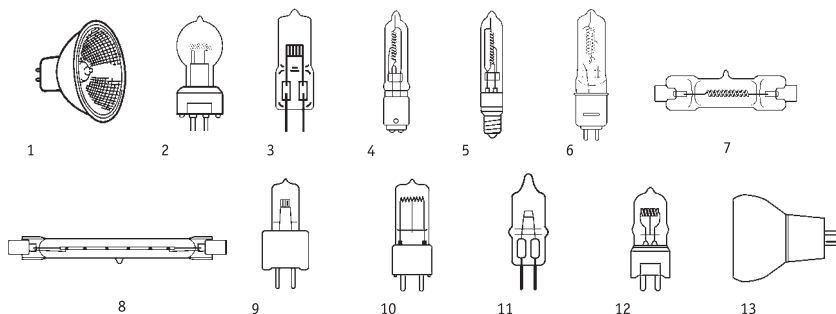
* While available



Column 1 represents GE and Osram Sylvania
Column 2 represents Ushio, Eiko & others



Video Lamps



Figures may represent more than one lamp on this page. See matching information on page 32.

PRODUCT CODE	VOLTS	WATTS	BASE	\$COL.1	\$COL.2
BAB	12	20	GX5.3	3.26	3.17
BAB-C	12	20	GX5.3	8.22	
BRL	12	50	G6.35	4.55	4.07
DRA	120	300	G6.35		13.72
DWY/FAB	120	650	R7s		19.88
DXW	120	1000	R7s	21.61	17.65
DYG	30	250	GY9.5		19.43
DYH	120	600	G5.3	15.43	16.58
DYR	220	650	GZ9.5		21.44
DYS/DYV/BHC	120	600	GZ9.5	9.95	9.95
DZB	12	100	G5.3		15.87
EHC/EHB	120	500	G9.5	22.34	26.96
EHD	120	500	G9.5	26.41	23.45
EHF	120	750	G9.5	27.58	25.39
EHG	120	750	G9.5	28.47	24.61
EHJ	24	250	G6.35	4.61	6.87
EHP	120/130	300	R7s	17.40	18.40
EHR	120/130	400	R7s	12.77	18.03
EHZ*	120	300	R7s		6.74
EKB	120	420	GY9.5	17.62	20.38
EKD	120	650	GY9.5		18.29
ELH	120	300	GY5.3	11.95	12.07
EMD	120	750	R7s	50.87	13.51
EMF	240	800	R7s		14.02
ENH	120	250	GY5.3	13.23	15.89
EPN	12	35	GX5.3	29.49	16.24
ESA/FHD	6	10	G4	4.53	4.95
ESB/FHE	6	20	G4	4.46	4.67
ESX	12	20	GX5.3	4.50	3.17
ESY	100	150	G6.35		15.71
EVD	36	400	G6.35	10.47	9.84
EXM	6.6A	45	GZ9.5	23.17	26.45
EXN	12	50	GX5.3	4.50	3.49
EXN/C	12	50	GX5.3	8.22	
EXP*	12	35	GX5.3	8.39	
EXS*	30	200	GX5.3	20.70	19.56
EXT	12	50	GX5.3	4.50	3.49
EXV	12	100	GX5.3	31.10	19.02
EXX	120	250	GX5.3		19.95
EXZ	12	50	GX5.3	4.50	3.28
EYC	12	75	GX5.3	14.27	3.49
EYF	12	75	GX5.3	14.27	3.49
EYH/FKT	120	250	G5.3	14.78	16.55
EYL	12	100	GZ9.5		16.81
FAD	120	650	R7s	16.83	16.80
FBT*	30	150	E10		20.30
FBV	30	250	E10		30.44
FBW*	30	350	E10		34.41
FBX	120	650	R7s	38.37	25.32
FBY	120	1000	R7s	24.84	29.18
FCL	120	500	R7s	12.03	5.24
FCL Osram Sylvania	120	500	R7s	4.25	
FCM	120	1000	R7s	11.31	10.57
FCR	12	100	GY6.35	4.98	5.07
FCZ*	120	500	R7s	16.45	8.94

PRODUCT CODE	VOLTS	WATTS	BASE	\$COL.1	\$COL.2
FDA	120	400	R7s	18.09	18.52
FDF	120	500	R7s	37.93	18.31
FDN	120	500	R7s	13.57	17.34
FDT	12	100	GY9.5	12.13	9.26
FEL	120	1000	G9.5	20.53	23.15
FHM	120	1000	R7s	11.99	13.78
FNB*	120	300	G6.35		20.89
FPA	12	65	GX5.3		4.12
FPB*	12	65	GX5.3	6.24	4.12
FTB	12	20	GZ4	6.62	4.65
FTC	12	20	GZ4		4.65
FTD	12	20	GZ4	6.51	4.65
FTD GE	12	20	GZ4	17.44	
FTE	12	35	GZ4	6.62	6.26
FTF	12	35	GZ4	17.44	6.26
FTH	12	35	GZ4	17.44	6.26
GCA	120	250	G5.3	12.23	15.64
GCB*	30	200	G5.3	31.44	18.54
GCC	12	100	G5.3	13.19	21.52
GDA	120	500	R7s		18.52
JC12V20W 50 HR	12	20	G4		2.58
JC12V30W	12	30	G4		1.70
JCD120V100W/A	120	100	G6.35		15.96
JCR/M6V20W	6	20	GZ4		19.79
JCR120V150WB	120	150	GY5.3		15.70
JCV120V300WC	120	300	GX6.35		25.85
JCV120V650WC	120	650	GX6.35		31.94
JCV120V1000WC4	120	1000	GX6.35		36.17



“Yesterday I called and spoke with Sue regarding a non-bulb part I was searching for. She went out of her way to be helpful. Your company should be commended for the excellent customer service that you are providing. Although I ultimately purchased the part from another company, I will be using Bulb Direct in the future and will be recommending you to my colleagues. Thank you, Sue, for all your help. - Sincerely, Kathleen B.”

* While available

Need help finding a bulb? Call or email us.

www.bulbdirect.com

23



System includes flashlight, 6 volt battery pack, charger, 120 volt AC converter and 12 volt auto cord. Battery pack recharges up to 1000 times using either AC or DC power. Flashlight is 12 1/4 inches long. Delivers brilliant 30,000 candlepower at 10 ft.

The most powerful flashlight of its size!



DESCRIPTION	MODEL NUMBER	PRICE
MAG CHARGER SYSTEM	RX1019	103.58
BATTERY PACK	ARXX075	43.33
MAG CHARGER LAMP	LR00001	6.67

FLASHLIGHTS

- Tough aluminum exterior
- Extra-bright adjustable beam
- Triple-action, self-cleaning internal switch
- Spare lamp included in tail cap

DESCRIPTION	MODEL#	BATTERY SIZE	NUMBER NEEDED	REPLACEMENT LAMP	PRICE
AAA MINI MAG	M3A016	AAA	Included	LM3A001	12.43
AA MINI MAG Black/Holster	M2A01H	AA	Included	LM2A001	12.99
AA MINI MAG Red/Holster	M2A03H	AA	Included	LM2A001	12.99
AA MINI MAG Violet/Holster	M2A98H	AA	Included	LM2A001	12.99
2D-Cell MAG-LITE	S2D016	D	2	LMSA201	25.39
3D-Cell MAG-LITE	S3D016	D	3	LMSA301	26.03

REPLACEMENT LAMPS

DESCRIPTION	QUANTITY	MODEL NUMBER	PRICE
AAA/AA MINI MAG LAMP	2 Pack	LM2A001	2.94
2D-Cell LAMP	1	LMSA201	4.14
3D-Cell LAMP	1	LMSA301	4.24
4D-Cell LAMP	1	LMSA401	4.14
6C/6D Cell LAMP	1	LMSA601	3.80
MAG CHARGER LAMP	1	LR00001	6.67
MAG SOLITARE LAMP	1	LK3A001	2.59
WHITE STAR 2D LAMP*	2 Pack	LWSA201	3.80
WHITE STAR 3D LAMP*	2 Pack	LWSA301	3.80



NEW LEDS FROM MAGLITE

Mini MagLite LED

- 3 Watt LED
- Powerful projecting beam that focuses simply by rotating the head
- Balanced optics combining a highly refined reflector with a quality LED



DESCRIPTION	MODEL NUMBER	PRICE
2 Cell AA LED MINI MAG	SP2201H	27.00

“ Thanks, Joyce. You guys came up with the right bulbs when nobody else could. We will be back to do more business with your company. I really like how your business operates. Thanks.

- John ”

NITE IZE LED UPGRADE KIT

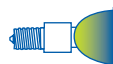
Convert your Mini Mag-Lite into an LED flashlight.

- Fits AA Mini Maglite
- 3 bright-white LEDs
- 10 year lamp life for 100,000 hours of continuous use — extends battery life up to 4 times longer
- Dependable shock resistant
- Combo Upgrade Kit includes Tail Cap switch for push-button on/off

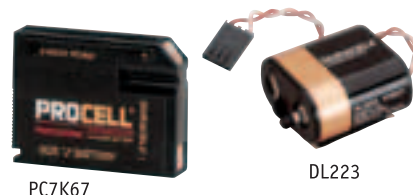


PRODUCT	DESCRIPTION	PRICE
LRB-07	Upgrade Kit	8.62
LUC-07	Combo Upgrade Kit	11.49
LRB-07-PR	Upgrade Kit for C & D Battery	11.49





DURACELL® Batteries



INDUSTRIAL ALKALINE BATTERIES

CODE	CELL	VOLTS	PRICE
PC1604	9V	9	1.95
PC9100	N	1.5	1.35
PC1500	AA	1.5	0.68
PC2400	AAA	1.5	0.68
PC1400	C	1.5	1.20
PC1300	D	1.5	1.29

PC1500 AND PC2400 batteries are sold in boxes of 4

PHOTO BATTERIES

CODE	CELL	VOLTS	PRICE
LITHIUM			
DCLR2	Cylindrical	3	7.79
DL123ABU	Cylindrical	3	7.69
DL2032B	Coin	3	2.78
DL2450	Coin	3	3.24
DL245	Pack	6	14.10
DL223	Pack	6	14.10
DL1/3	Button	3	4.92
L91-2 Pack from Energizer	AA	1.5	6.62
ALKALINE			
MN21B	Cylindrical	12	2.07
MN2500B-2 Pack	AAAA	2	3.24
PX76A675AB	Coin	1.5	1.15
SILVER OXIDE			
D303/357B	Coin	1.5	1.56
D309/393B	Coin	1.5	1.26
MS76	Coin	1.5	3.59

Please include an additional \$1.00 for shipping charges on batteries.

MPI OUTDOORS

SAFETY FLASHER



- Five super bright LED's visible up to 2500 feet
- Six different flash modes
- Powered by two AA Alkaline batteries, not included

PRODUCT CODE	REPLACEMENT BATTERIES	PRICE
5513	2AA	8.52

ELECTRONIC MEDICAL BATTERIES

CODE	CELL	VOLTS	PRICE
ALKALINE			
PC9100	N	1.5	1.35
PC7K67	J	6	3.26
PX28AB	Cylindrical	6	3.35
LITHIUM			
L522FP from Energizer	9V	9	11.15

FLASHLIGHTS FROM DURACELL®



CODE	BATTERIES NEEDED	BULB NEEDED	PRICE
PC100W	2 D	KPR102	2.10
PC650A	2 AA	KPR104	3.59
PC650D	2 D	KPR102	4.91

SPECIALTY BATTERIES

Looking for a battery not listed?

Please call us with the battery code and what it is used in, and we'll provide you with the best replacement battery we have available.

EMERGENCY STROBE

- Emits a pulsing white light visible for up to 3 miles
- Flashes 50 to 70 times per minute, up to 60 hours
- Powered by a single D cell Alkaline Battery, not included
- Durable, waterproof construction
- Added safety measure for anywhere visibility recognition is critical to your personal safety

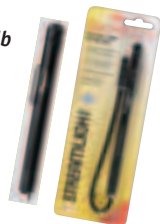


PRODUCT CODE	BATTERIES NEEDED	PRICE
5013	1 D	22.36



STYLUS - A LIGHTING TOOL FOR THE 21ST CENTURY

- 100,000 hour "solid-state" LED Bulb
- Waterproof
- Momentary blink or constant on switching
- Visible from over a mile away
- Ideal for tactical use - preserves night vision
- Versatile pocket/clothing clip
- Individual serial numbers



STREAMLIGHT 3N LED FLASHLIGHT

- Three super-bright 100,000 hour LEDs never need replacing
- 20 times longer battery life than standard flashlights
- Up to 120 hours of run time
- Push button switch
- Corrosion and impact resistant
- Lifetime warranty



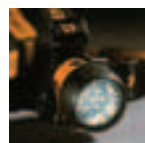
STREAMLIGHT 4AA PROPOLYMER LUXEON LED

- 3,500 Peak beam candlepower, 40 lumens typical
- Deep parabolic beam generator produces long range brilliance
- Waterproof O-ring sealed
- Corrosion and impact resistant
- Lifetime warranty



STREAMLIGHT TWIN-TASK 3C & 2D

- A patented LED/Xenon combination for super brightness and ultra-long run time
- Computer-machined
- Anodized aluminum and O-ring sealed
- Adjustable focus with a micro-faceted reflector



STREAMLIGHT SEPTOR LED HEADLAMP

- 3-Way lighting 7 or 3 or 1 LED
- Water-resistant
- 90 degree tilting head
- Weighs only 5 ounces

PRODUCT CODE	BATTERIES NEEDED	PRICE
Stylus LED White Pen Flashlight	3 AAAA	16.71
Stylus Reach LED White Flashlight	3 AAAA	22.80
Stylus Reach LED Blue Flashlight	3 AAAA	22.80
3N Streamlight Yellow	3 N	19.95
3N Streamlight Black	3 N	19.95
2AA Luxeon White LED Yellow	2 AA	20.06
4AA Luxeon White LED Yellow	4 AA	30.42
Septor White LED	3 AAA	34.87
3C Twin Task Titanium	3 C	38.04
2D Twin Task Black	2 D	48.48
2D Twin Task Titanium*	2 D	39.33



3 IN 1 POWER FAILURE LIGHT

- Auto Sensor Nite Lite, on at dusk, off at dawn
- Flash Light, LED white light
- Emergency Light, 8 hour battery back-up
- Lifetime LED warranty



PRODUCT CODE	PRICE
NL/WH/3-1	14.79

COLOR CHANGING LED NITELITE

- Automatic on at dusk, off at dawn
- Experience an ever-changing spectrum of LED color
- Automatic on/off photo sensor
- Lifetime guarantee



PRODUCT CODE	PRICE
NL/LED/CC	9.57

DIRECTIONAL LED NITELITE

- Automatic on at dusk, off at dawn
- Swivels 360 degrees
- Automatic on/off photo sensor
- Lifetime guarantee

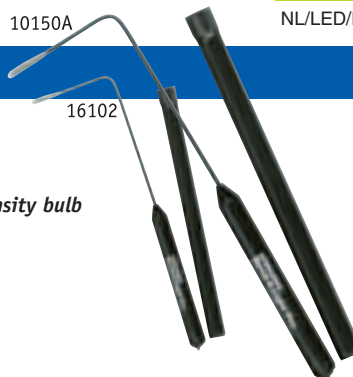


PRODUCT CODE	PRICE
NL/LED/DRL	7.87

STEELMAN® BEND-A-LIGHT

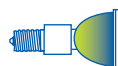
Illuminator High Intensity Flexible Light Tools

- High intensity flexible light.
- Amazing brightness from a 1/8" diameter high intensity bulb
- Goes where ordinary lights won't fit
- Alkaline batteries included



MODEL NUMBER	DESCRIPTION	PRICE
16102	11" Mini-Pro	19.95
10150A	16" Professional	24.95
REPLACEMENT LAMP		
BO-12 (BS100)	2.5V	3.98

* While available



**SYLVANIA
DOT-it**



Bright white LED light outperforms incandescent taplights in brightness and life. Far easier to use than a flashlight. The design is so simple: just push on and off.

- Includes 3 AAA batteries
- Adhesive withstands extreme temperatures
- Uses: Under kitchen cabinets, in the closet, in the camper, on the boat, on the bicycle, in the garage, in the auto

PRODUCT DESCRIPTION	PRICE
DOT-IT GOLDEN DRAGON	15.37
LED/COLOR CHANGING COASTER	6.50
DOT-IT BACKSTAGE BLUE	13.75

DOT-IT BACKSTAGE BLUE

New linear blue LED fixture for behind-the-scenes use

- Battery powered
- 90 degree swivel feature allows you to shine light where you need it



LED'S FROM EZRED

EZRFL1701AA

- 18 Super Bright LED's
- Includes belt pouch for instant access
- E-Z on/off - open/close



EZRML30CSR

- Chrome plated telescopic antenna shaft extends to 29 inches
- Super bright white LED powered by 3 button style batteries, included
- E-Z twist ON-OFF switch design



LED/WORKLITE

The Sylvania LED work light is the perfect helper. It puts light where you need it - letting you get the job done right.

- Flexible gooseneck for hard to reach areas
- Equipped with a strong magnet at the base and tip - allowing for hands-free use
- Requires 3 AAA batteries for operation, not included



PRODUCT CODE

LED/WORKLITE/3AAA/1/CLIP

PRICE

14.11

LED/BOOKLITE

- Adjustable plastic-metal goose neck
- Attaches to books or magazines
- Bright LED beam
- Portable, compact - small enough to be conveniently carried
- Swivel head



PRODUCT CODE

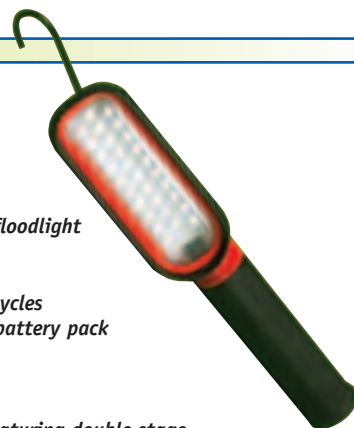
LED/BOOKLITE/BL

PRICE

13.02

EZRXL3000

- 30 Super Bright 100,000 hour floodlight style LEDs
- Shatter resistant AVS case
- Battery pack has 1000 charge cycles
- Powered by rechargeable NiMH battery pack



EZRL8ZTLS LASER

- 8 Extremely Bright LEDs featuring double stage technology
- 3 AAA batteries included
- Water resistant

EZRL9ZT

- 9 Extremely Bright LEDs
- 3 AAA batteries included
- 100% aluminum body
- Water resistant



PRODUCT CODE	PRICE
EZRXL3000	89.80
EZRFL1701AA	18.97
EZRL8ZTLS	9.40
EZRL9ZT	8.17
EZRML30CSR	6.87

Safety Glass and Accessories

The best safety glass on the market!



PYRAMEX

ALAIR



This economy spectacle is 100% polycarbonate

Product Code	Lens Color	Frame	Price	12+
S3210S	Clear Hardcoated	Clear	1.40	1.23
S3220S	Gray Hardcoated	Gray	1.70	1.49

VENTURE II



The ORIGINAL wrap around safety glass

Product Code	Lens Color	Frame	Price	12+
SB1810S	Clear	Black	3.70	3.24
SB1830S	Amber	Black	4.20	3.68
SB1860S	Infinity Blue	Black	4.20	3.68
SB1880S	I/O Mirror	Black	4.20	3.68

V2 READER



Available in 3 magnifying strengths

Product Code	Lens Color	Frame	Price	12+
SB1810R15	Clear +1.5	Black	8.50	7.46
SB1810R20	Clear +2.0	Black	8.50	7.46
SB1810R25	Clear +2.5	Black	8.50	7.46

ONIX



Innovative suspended lens provides extreme lightweight comfort

Product Code	Lens Color	Frame	Price	12+
SB4970S	Silver Mirror	Black	6.50	5.72
SR4980S	Gray	Red	6.00	5.28
SN4910S	Clear	Blue	5.50	4.84
SN4910S	Indoor/Outdoor Mirror	Orange	6.20	5.46

ZONE



Lightweight nylon frames combined with striking good looks

Product Code	Lens Color	Frame	Price	12+
SB921E	Polarized Gray	Black	33.90	29.74

ONIX PLUS



Dual lens and frame with unique outer flip lens system

Product Code	Lens Color	Frame	Price	12+
SB4920STP	Gray Flip Lens	Black	7.00	6.16
SB4950STP	5.0 IR Filter FL	Black	11.00	9.68
SB4960STP	3.0 IR Filter FL	Black	11.00	9.68

OTS



Designed to better fit today's prescription eyewear

Product Code	Lens Color	Frame	Price	12+
S3510SJ	Clear	Black	3.50	3.07

ZONE II



Styled like a sports lens, performs like a safety lens

Product Code	Lens Color	Frame	Price	12+
SSB3370E	Silver Mirror	Speckle Black	4.50	3.95

MONTEGO



Weightless eye protection with resilient Flex-Lite temples

Product Code	Lens Color	Frame	Price	12+
SB5310S	Clear	Black	3.58	3.22
SB5320S	Gray	Black	4.34	3.90
SB5370S	Silver Mirror	Black	5.08	4.57
SB5380S	Indoor/Outdoor Mirror	Black	4.28	3.85

RENDEZVOUS



Fully adjustable temple length, nose bridge, and lens pitch

Product Code	Lens Color	Frame	Price	12+
SB2810S	Clear	Black	4.30	3.77
SB2830S	Amber	Black	4.60	4.04
SB2875S	Blue Mirror	Black	4.80	4.21
SB2880S	I/O Mirror	Black	4.80	4.21

ZTEK



Lightweight polycarbonate one piece spectacle with rubber temples

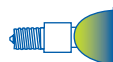
Product Code	Lens Color	Frame	Price	12+
S2510S	Clear	Clear	2.20	1.93
S2520S	Gray	Gray	2.50	2.19
S2560S	Infinity Blue	Infinity Blue	2.50	2.19
S2580S	I/O Mirror	I/O Mirror	2.50	2.19

AVANTE



Moving safety forward

Product Code	Lens Color	Frame	Price	12+
SS4545D	Ice Orange	Silver	6.39	5.75
SS4585D	Ice Blue	Silver	6.39	5.75
SSB4510D	Clear	Silver Black	4.37	3.93
SSB4520D	Gray	Silver Black	4.79	4.31



PYRAMEX

EXETER



Sport styling with maximum protection

Product Code	Lens Color	Frame	Price	12+
SB5155DT	Sky Red	Black	7.20	6.48
SBR5120DT	Gray	Black to Red	5.40	4.86

MINI ZTEK



Designed for smaller facial sizes, ideal for women and children

Product Code	Lens Color	Frame	Price	12+
S2510SN	Clear	Clear	2.20	1.93
S2520SN	Gray	Gray	2.50	2.19
S2560SN	Infinity Blue	Infinity Blue	2.50	2.19
S2580SN	I/O Mirror	I/O Mirror	2.50	2.19

LENS CLEANING TOWELETTES

Box of 100 Paramex Lens Cleaning Towelettes



Product Code	Price	12+
LCT-100	7.20	6.62

DEFINITIONS

Watts (or Amps) – Unit used to measure power consumption of the lamp.

Volts – a measure of electromotive force or the pressure of electricity in an electrical circuit.

Bulb Shape and Size – is often designated with a combination of letters and numbers to describe the bulb shape and maximum diameter of the bulb in eights of an inch.

Rated Average Life – the average or median time a lamp will last when burned at its rated voltage under controlled laboratory conditions; shocks, vibration, voltage fluctuations, temperature, and

other environmental influences may result in shorter service life.

Lumen – the unit that expresses the total quantity of light given off by a source, regardless of direction.

Color Temperature – is a measure of the color of light, not the actual temperature.

Operating Position – the optimum position to obtain the best performance from a lamp: U= universal, Hor= horizontal, BD= base down, BU= base up, and BDTH= base down to horizontal. Operating in other than specified position may inhibit performance or even create a hazard.

Full Spectrum Lamps



HEALTHFUL LIVING FROM NATURAL BALANCED LIGHT

Extensive research has shown that the lack of natural daylight can impair our mood, health and well being in a very dramatic way. These lamps have been shown to promote positive effects on health and people's feeling of well-being.

Colors which are in the center of the spectrum (yellow) are perceived as the brightest.

As a result, all others appear diluted. Chromalux lamps reduce the glary yellow light and allow the eye to see with great ease and without fatigue throughout the entire spectrum. Black and white contrasts are also enhanced.

CHROMALUX LAMPS

PRODUCT CODE	PRICE
25B10/CL	7.98
40B10/CL	7.98
40G25/CL	12.77
60A19/CL	10.11
60A19/FR	9.57
60G25/SB	13.30
60R20/FL	19.68
60R20/FL/CL	19.68
60R25/FL	16.60
60R25/SP	16.60
75A21/CL	9.57
75A21/FR	9.57
75R30/FL	19.36
100A21/CL	9.57
100A21/FR	10.11
100R30/FL	27.37
100R30/FL/CL	27.34
150A21/CL	9.57
150A21/FR	10.11
150A21/CL 3WAY	16.17
150A21/FR 3WAY	13.83
150R40/FL	23.83
150R40/FL/CL	23.83

Chromalux incandescent style lamps are long-life, with an average rating of 4000 hours. The compact fluorescents are rated for 10,000 hours, while the linear fluorescents are rated for 20,000 hours.

Save both energy and money while you enjoy your "daylight!"

CHROMALUX HALOGEN LAMPS

PRODUCT CODE	PRICE
FMW-ND FL40 12V 35W	25.00
EXZ-ND NSP25 12V 50W	25.00
EXN-ND FL40 12V 50W	25.00
100R30/FL HLGN	26.38

LUMICHROME FLUORESCENT LAMPS

F15W1XC/50K 18"	18.70
F15W1XX/65K 18"	21.06
F18W1XX/65K 24"	21.06
F20W1XC/50K 24"	18.70
F20W1XZ/57K 24"	15.66

LUMIRAM

The Compact Fluorescent Lamps from Lumiram have a standard E26 medium screw base.

Spiral/15W 5000K	19.79
Spiral/20W 5000K	20.43
Ecolume/20W 3500K	24.36
Ecolume/20W 5000K	27.13
Ecolume/23W 3500K	21.38
Ecolume/23W 5000K	24.15



reveal

the bulb that uncovers pure, true light.

GE REVEAL LAMPS

PRODUCT CODE	PRICE
40A15/RVL CD2	6.13
40A15/CF/RVL CD2	7.36
40A15/WCF/RVL CD2	6.13
40A/RVL	2.04
60A15/CF/RVL CD2	7.36
60A/RVL	2.37
75A/RVL	2.37
100A/RVL	2.37
30/100/RVL 3-WAY	4.64
50/150/RVL 3-WAY	4.64
45R20/RVL	9.47
65R30/FL/RVL	10.53
40T10/RVL	7.04
40T10/F/RVL	7.04
60T10/RVL	7.04
25BC/RVL CD2	8.81
25GC/RVL CD2	7.90
40BC/RVL CD2	7.71
40BM/RVL CD2	7.71
40G25/C/RVL	4.15
40G25/W/RVL	4.15
40GC/RVL CD2	5.34
40GC/W/RVL CD2	5.34
60BC/RVL CD2	5.89
60BM/RVL CD2	5.81
60G25/RVL	4.15
60G25C/RVL	4.15

Year Long Specials

AUDIO VISUAL/STAGE STUDIO

Code	Volts	Watts	Base	1-11 Price	12+ Price
64488CL	120	150	E26	38.13	35.46
64488FR	120	150	E26	41.43	39.35
BBA	120	250	E26	2.55	2.42
BTL	120	500	P28s	26.41	23.77
DDL	20	150	GX5.3	11.12	10.01
DYS/DYV/BHC	120	600	GZ9.5	9.95	9.25
DYS/DYV/BHC-5	125	600	GZ9.5	10.59	9.53
EHA	120	500	GZ9.5	29.22	26.29
EHJ	24	250	G6.35	4.61	4.15
EKE	21	150	GX5.3	12.92	11.63
EKE/X	21	150	GX5.3	13.83	12.44
ELC	24	250	GX5.3	12.79	11.51
ELH	120	300	GY5.3	11.95	10.75
ENX	82	360	GY5.3	10.15	9.13
ENX-5	86	360	GY5.3	10.59	9.53
EXR	82	300	GX5.3	11.42	10.28
EYB	82	360	G5.3	9.92	8.92
EYB-5	56	360	G5.3	10.32	9.28
FCS	24	150	G6.35	3.45	3.10
FEL	120	1000	G9.5	20.53	18.48
FHM	120	1000	R7s	11.99	10.81
FHS	82	300	GX5.3	11.46	10.31
FXL	82	410	GY5.3	12.43	11.19

CALL US FOR OUR SPECIAL PRICING ON LCD PROJECTOR LAMPS

MEDICAL

5761**	6	30	G4	7.98	7.42
5972**	6	10	G4	8.94	8.04
BRL	12	50	G6.35	4.55	4.09
EFP	12	100	GZ6.35	15.12	13.09
EFR	15	150	GZ6.35	14.08	12.67
EJA	21	150	GX5.3	13.55	12.19
EJV	21	150	GX5.3	13.23	11.91
EKE	21	150	GX5.3	12.92	11.63
ENH	120	250	GY5.3	13.23	11.90
EPN	12	35	GX5.3	29.49	27.42
ESA/FHD	6	10	G4	4.53	4.21
ESB/FHE	6	20	G4	4.46	4.01
FCR	12	100	GY6.35	4.98	4.48
FDT	12	100	GY9.5	12.13	10.91
FDV	24	150	G6.35	14.43	12.98
HBO100W/2	20	100		115.63	109.84
HBO103W/2	22	100		123.08	116.92
HTI250W/32	45	270		300.00	285.00
JC6V30W*	6	30	G4	7.45	6.92
USH 102/DH*	20	100		114.45	108.73
USH 103/D*	20	100		123.56	117.38
VAC 300-F-C5*	14	300		367.69	349.30
15S11/102CL	120	15	E26	4.17	3.87

Specials are for GE & OSRAM SYLVANIA brands except where noted.

* Ushio Brand

**Philips Brand

**SAVE THIS ORDER FORM AND COPY FOR YOUR ORDER
24-HOUR TOLL-FREE FAX:**

1-800-257-0760

OR MAIL ORDER TO:
BULB DIRECT
1 Fishers Road
Pittsford, NY 14534-9511

2010

Help us to help you!

Date _____
Customer Number _____
Key Code _____
How did you hear about us? _____
Type of business _____

Equipment Manufacturer _____
Model No. _____
Equipment use _____
Is it OK to substitute brand? ☐ Yes ☐ No
Is a partial shipment acceptable? ☐ Yes ☐ No
Does this confirm a phone order? ☐ Yes ☐ No
Have you ordered from us before? ☐ Yes ☐ No
Comments: _____

Bill to: (Please type, print, or affix label)

Company _____
Attention _____
Title _____ Department _____
Mailing Address _____
City _____
State _____ Zip Code +4 _____
Telephone _____ Extension _____
Purchase Order Number _____

Ship to: (Please type, print, or affix label)

The Buyer is responsible for providing a correct, complete, and legible delivery address. Re-shipment due to customer providing a wrong, incomplete, or otherwise undeliverable address will have an additional shipping fee.

Company _____
Attention _____
Title _____ Department _____
Mailing Address _____
City _____
State _____ Zip Code +4 _____
Telephone _____ Extension _____

QUANTITY	PRODUCT CODE	BRAND	2ND CHOICE	UNIT PRICE	TOTAL
1					
2					
3					
4					
5					

Payment Method:

☐ Net 30 days account
Requires signed application and approval.

☐ Check enclosed?

Tax Exempt? ☐ Yes ☐ No
If yes, please enclose copy of tax exempt certificate.

Charge it:

☐  ☐  ☐  ☐ 

Card No. _____ Exp. Date: _____
Print name as it appears on card _____
Signature: _____
CCV # _____
Credit Card Billing Address: _____
Street _____ Zip Code _____

Shipping & Handling (see pg. 2)
Zone A \$6.75 Zone B \$7.75

AK, HI & PR-Call for additional postage required

3-day guaranteed delivery (see pg. 2)

Overnight & 2 day service (see pg. 2)

For battery orders add \$1.00

Subtotal

NYS & IN Sales Tax (only add if applicable)

TOTAL

Thank you for your order!

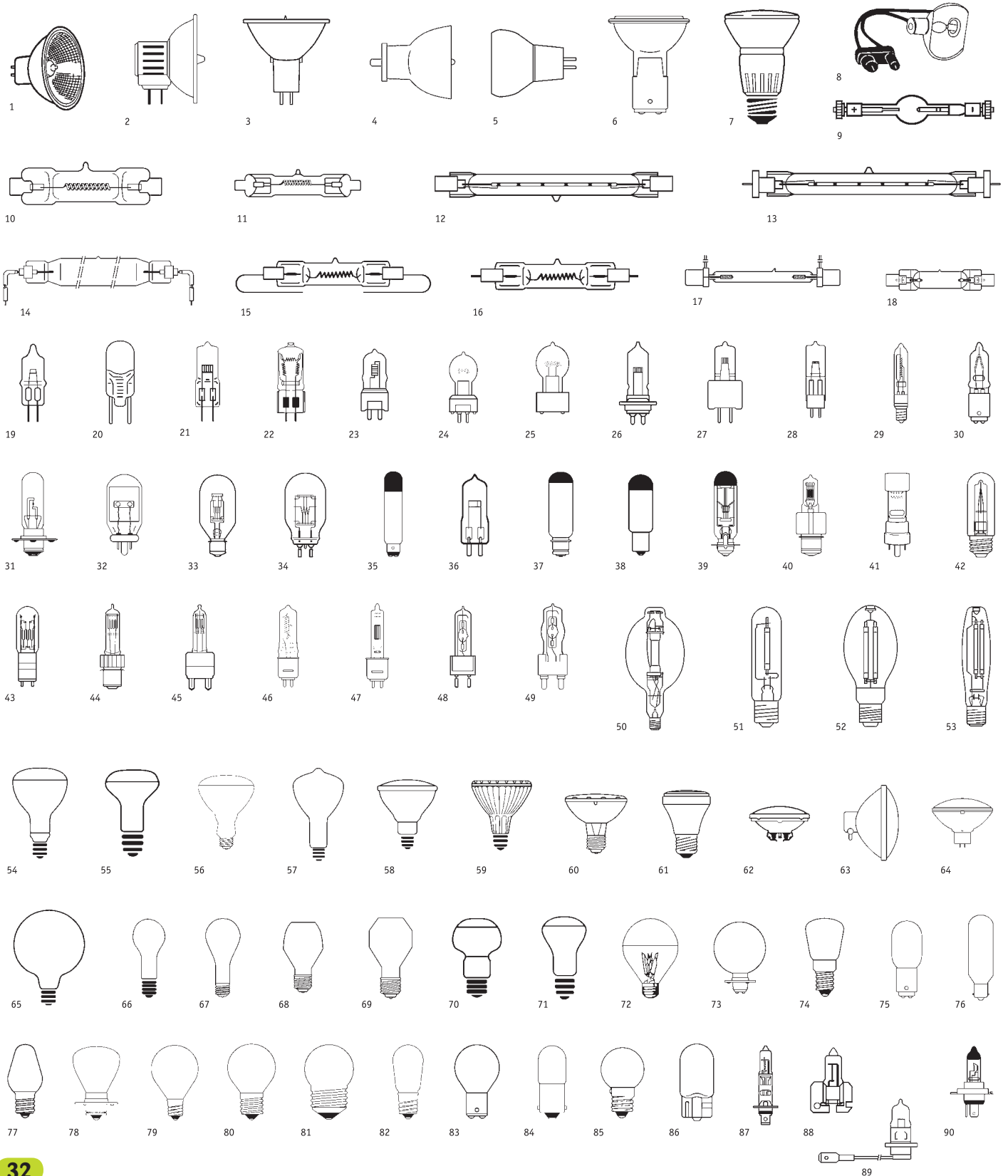
www.bulbdirect.com

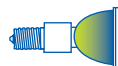
31

Bulb Shapes



FIGURE MATCHING INFORMATION: If your lamp does not have a code on it which matches one of our product codes, please call us with the bulb in hand. Use the shape figures to point out the closest match to your bulb, and we will ask additional questions to help you find the correct bulb for your requirements. These shapes are not to scale.



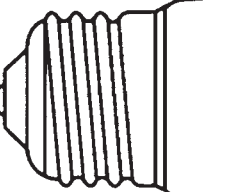
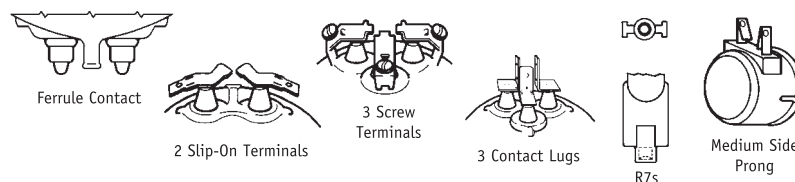
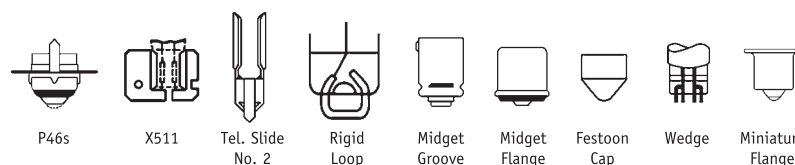
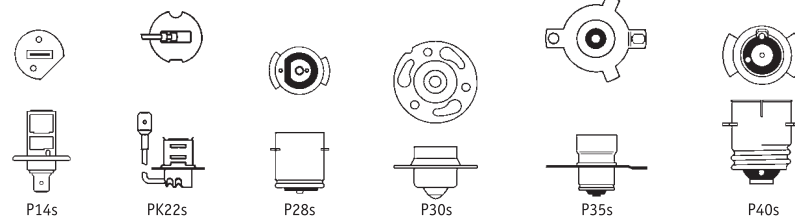
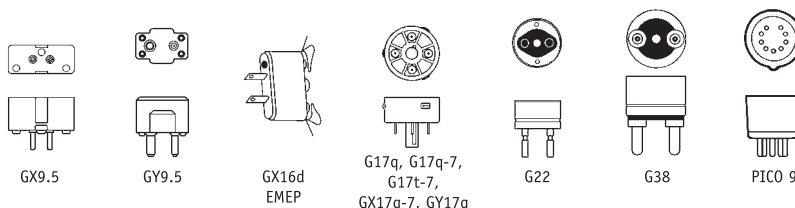
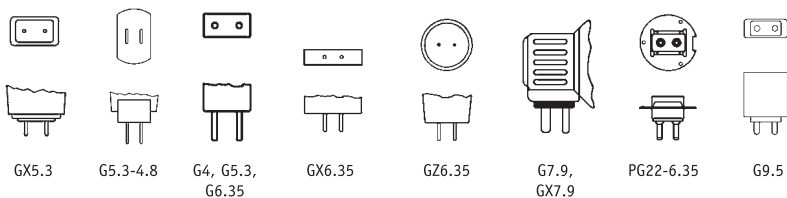
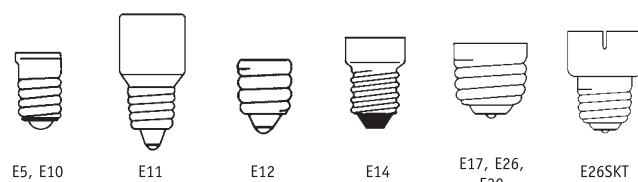
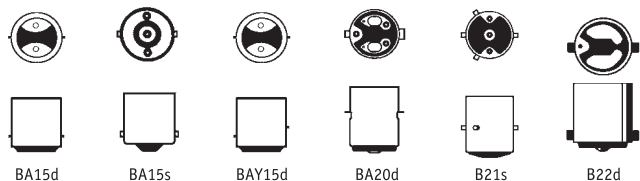


Base Shapes

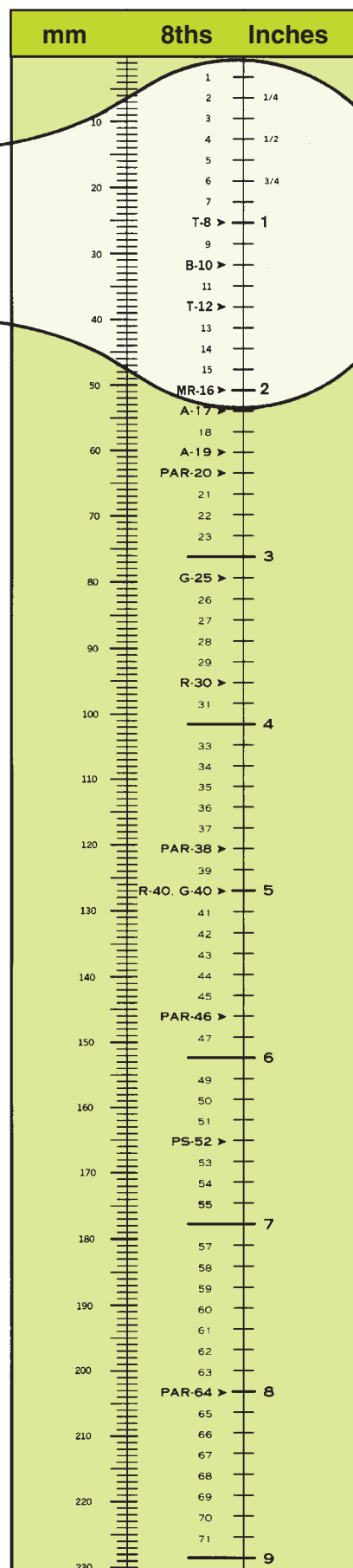
BASE INFORMATION

Base - provides the electrical contact to the lamp, and in most cases, supports the lamp in the fixture.

Bases are measured in several ways: - Most cylindrical bases are measured by millimeters in diameter. 2-Pin lamps are measured in millimeters center-to-center on the pins.



B or BA - Bayonet
DC - Double Contact
E - Edison Screw
N - Intermediate
G - 2 to 4 Pins
P - Pre-focus
R - Recessed Contact
SC - Single Contact



LED Lamps



NEW!!

More LED products are on pages 24-27.

LED A SHAPE & PAR LAMPS FROM GE

With increased demand for energy saving lighting alternatives and the industry buzz around LED's, here are the new quality GE LED offerings



PAR20

- Long 20,000 hour life rating
- Very low 1 to 10 watt energy consumption
- Environmentally conscious, energy efficient, lead free glass
- Superior optics means more light on target to improve visual display
- New A, G and candle shapes along with long neck Par 30 bulbs

GU10

PRODUCT CODE	VOLTS	WATTS	BASE	PRICE
--------------	-------	-------	------	-------

MR16

LED1GU10/NFL 120 1 GU10 16.92

PAR 20 and PAR 30

LED7PAR20/NFL20 120 7 E26 43.34

LED7PAR20/SP10 120 7 E26 43.34

LED10P30/NFL24 120 10 E26 59.52

LED10P30L/NFL24 120 10 E26 59.52

A, G and CANDLE SHAPES

LED2A15/CLR 120 2 E26 21.07

LED2A15W/TP 120 2 E26 21.60

LED2A15C/TP 120 2 E12 21.60

LED2G16C/C/TP 120 2 E12 20.22

LED2G16C/W/TP 120 2 E12 20.22

LED2G16M/W/TP 120 2 E26 20.22

LED2G25M/W 120 2 E26 21.07

LED2CAC/C/TP 120 2 E12 19.68

LED2CAM/W/TP 120 2 E26 19.68

LCD information on pages 4 & 5



OSRAM SYLVANIA LED LAMPS

PAR 16, 20, 30 AND 38 BULBS

- 25,000 TO 50,000 average rated life
- No warm-up time, instant on with full light output and stable color

PRODUCT	VOLTS	WATTS	BASE	LED COLOR	PRICE
---------	-------	-------	------	-----------	-------

PAR 16

LED4PAR16 120 4 E26 3200K 58.34

LED4PAR16/GU10 120 4 GU10 3200K 58.34

PAR 20, PAR 30 AND PAR 38

LED7PAR20/827/NFL25 120 7 E26 2700K 70.00

LED13PAR30LN/830/FL30 120 13 E26 3000K 113.85

LED13PAR30LN/835/FL30 120 13 E26 3500K 113.85

LED16PAR38/830/FL30 120 16 E26 3000K 123.08



LED MR16 LAMPS

- Comes in either blue or white LED color
- Maintains a constant color temperature, even when dimmed
- Sleek housing with chrome finish



PRODUCT	VOLTS	WATTS	BASE	LED COLOR	PRICE
---------	-------	-------	------	-----------	-------

LED/MR16/Dragon/730/NSP6 12 2.8 GU5.3 3000K 23.98

LED/MR16/Dragon/735/NSP6 12 2.8 GU5.3 3500K 23.98

LED/MR16/Dragon/B/NSP6 12 2.8 GU5.3 BLUE 22.81

LED8MR16/830/FL35 120 8 GU5.3 3000K 92.31

LED SHAPED LAMPS

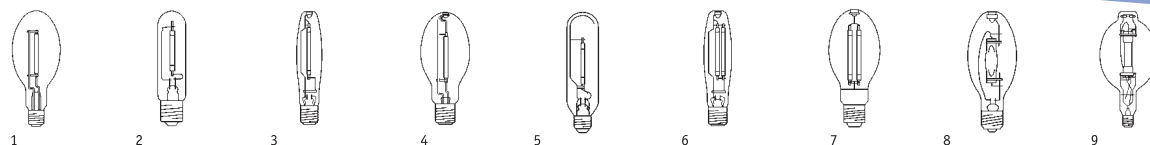
- NEW A19 SHAPE 8 watt bulb
- Low energy consumption
- 120 volts with an E26 base



PRODUCT	VOLTS	WATTS	BASE	LED COLOR	PRICE
---------	-------	-------	------	-----------	-------

LED8A/F/830/350 120 8 E26 3000K 66.65

LED/S14/30/Y 120 1.1 E26 Yellow 30.30



Figures may represent more than one lamp on this page. See matching information on page 32.

PRODUCT CODE	\$COL.1	\$COL.2	PRODUCT CODE	\$COL.1	\$COL.2	PRODUCT CODE	\$COL.1	\$COL.2
MERCURY			MH175/U	83.92	26.81	C150S55/M	105.75	
H33CD-400	58.47	15.96	MH175/U/MED	142.86	19.58	C400S51/ALTO	112.64	
H33GL-400DX	63.04	13.60	MH400/T15		31.47	LU35/D/MED	28.98	
H36GW-1000	147.21		MH400/U	89.07	26.81	LU35/MED	33.64	12.39
H37KB-250 PH	62.17	10.13	MP70/U/MED	43.00	21.20	LU50	28.09	13.24
H37KC-250DX	78.45	10.13	MP100/U/MED	42.00	21.20	LU50/MED	33.64	12.75
H38JA-100/DX	17.98	8.09	MP400W/BU/UVS/PS		54.30	LU50/D/MED	36.06	
H38MP-100DX PH	96.77	11.07	MS400/BU	108.15		LU70	27.66	23.83
H39KB-175	41.49	8.86	MS400C/HOR*	82.83		LU70/D/MED	36.06	14.05
H39KC-175DX	40.02	8.43	MS1000/BD	237.22		LU70/MED	33.64	18.02
H44GS-100	66.28		MSR1200	651.32		LU100	27.66	13.24
H44GS-100M*	55.32		MSR1200/HR	727.38		LU100/D/MED	32.74	14.47
HR75DX43	57.19		MVR150/U/WM	34.06		LU100/MED	28.85	18.09
HR100DX38/MED	30.74		MVR175/C/U	26.43		LU150/55	27.66	12.75
HR175DX39	18.19		MVR175/SP30/U	30.28		LU150/55MED	32.43	18.09
HR250DX37	26.68		MVR175/U	24.02		LU150/55/D/MED	34.68	14.05
HR400DX33	26.70		MVR175/U/MED	29.66		LU200	29.19	14.60
HR1000DX36	70.43		MVR250/C/U	26.43		LU250	28.77	14.60
HSB250/M	78.36		MVR250/U	24.02		LU250/D	121.96	16.17
METAL HALIDE			MVR360/VBU/WM/HO	38.91		LU400	28.77	14.88
HMI4000W/SE/XS	464.29		MVR400/SP30/U	30.28		LU1000	78.60	47.64
HTI250W/32	300.00		MVR400/U	24.02		SPECIALS FROM SYLVANIA		
HTI250W/32C	321.57		MVR400/VBU/XHO	34.06				
HTI400W/24	265.49		MVR1000/U	51.38	78.71	PRODUCT CODE	PRICE	
HTI400W/D3/75	210.05		MXR100/C/U/MED	42.68	82.96	LU35/D/MED	28.98	
HTI S35/12	178.55		MXR150/U/MED	39.23	99.98	LU35/MED	28.09	
M175/C/U	37.83		UHI-70AQ/10			LU50	28.09	
M175/U	28.79		UHI-150AQ/20+			LU50/MED	28.09	
M175/U/MED	37.62		UHI-250AQ/20+			LU50/D/MED	28.98	
M250/C/U	31.45		SODIUM (LOW PRESSURE)			LU70/D/MED	29.02	
M250/U	28.79		SOX E18 GE	64.64		LU70/MED	27.66	
M400/C/U	31.45		SOX E18	183.15		LU100	27.66	
M400/U	28.79		SOX 35	146.63		LU100/D/MED	32.74	
M400/U/ET18	106.57	18.64	SOX 55	147.73		LU100/MED	28.09	
M1000/U	57.45		SOX 90 GE	143.03		LU150/55MED	27.66	
M1000/U/BT37	71.77		SOX 90	185.67		LU150/55/D/MED	34.68	
MH50W/U		18.64	SOX 135	222.02		LU200	29.19	
MH70/C/U/MED		21.20	SOX 180	223.08		LU250	28.77	
MH70/U/MED		31.47	SODIUM (HIGH PRESSURE)			LU250/D	29.87	
MH100/U/MED		31.47	C70S62/M	94.39		LU400	28.77	
MH175/C/U/MED	149.73	21.20	C100S54/M	102.13				

LED LAMPS

High efficiency LED's (light emitting diodes) are used in the manufacture of many traditional lamp configurations, replacing incandescent technology while saving energy at the same time. Lamps have many applications including indicator lights, decorative lights, navigation lights, accent lighting and specialty applications.

Long life 25,000 to 50,000 hours.

LED lamps are excellent for rapid cycling and vibration applications.

If you don't see what you need, call us with the bulb you want to replace and we will cross it for you.

“Joyce,

Received my order today and just had to let you know how happy I am! The bulb is for a 1960's vintage slide projector that I was sure I'd never find a replacement bulb for and have just finished going through "Stuff" I haven't seen in . . . well, a long time!!! Thanks a million!

- Paul

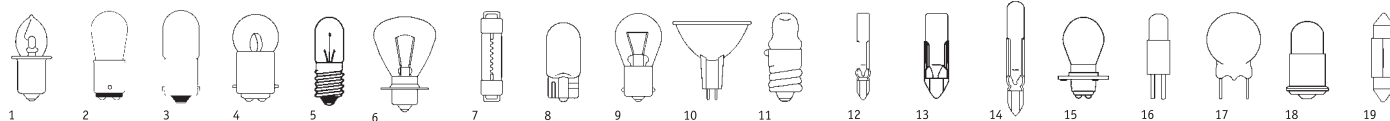
”

* While available

Miniature Lamps



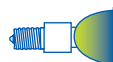
Column 1 represents GE and Osram Sylvania
Column 2 represents Ushio, Eiko & others



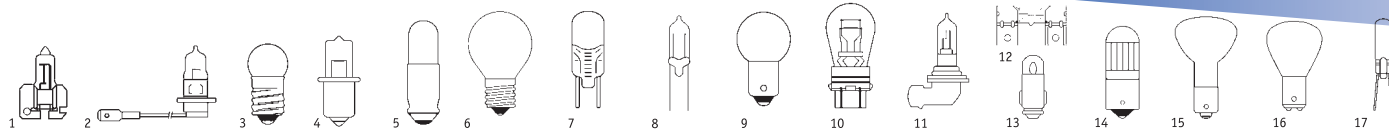
Miniaturs may require a 10 piece minimum purchase.

LAMP	SCOL.1	SCOL.2	LAMP	SCOL.1	SCOL.2	LAMP	SCOL.1	SCOL.2	LAMP	SCOL.1	SCOL.2	LAMP	SCOL.1	SCOL.2
6*	3.16		79		1.89	306		.92	632*		1.76	1025		6.26
6ESB		.89	81		.58	307		.68	655		1.47	1034	1.47	.63
6PSB	2.45	1.16	82		.55	308		.97	656		.55	1047		2.53
10*	1.84	1.87	84		.55	309		1.39	657	1.00	.66	1054		4.47
12*	1.47	2.53	85	.87	.52	311		1.21	658		.55	1056		5.36
12A1		1.32	86		.55	313		.55	680		.55	1062		3.43
12ESB		1.16	87		.55	313R		1.11	683		.53	1073	1.58	.58
12PSB	2.45	1.13	88	2.37	.55	315		.92	685		1.11	1076		.52
13*	1.79	.52	89	1.13	.52	316	3.34		713*		.52	1091		5.53
14		.52	90	1.34	.55	325		2.68	714		1.10	1095		1.32
15*	2.13	2.17	90MB		1.24	327	1.03	.52	715		.53	1096		11.02
16ESB		1.29	93		.53	328		1.05	718		1.03	1129		.92
17		.53	94	2.58	.53	330		1.24	755	1.34	.63	1130		.92
18		.55	97		.52	334	1.47	.68	756	1.74	.63	1133	2.96	1.11
19		2.34	105	2.21	.82	335		.61	757	1.58	.63	1134		1.89
24	1.16	.79	112		.52	336		.61	774	14.66		1139IF		1.37
24B-1		1.58	120MB	2.34	1.18	337		.68	778	9.47	10.47	1141	1.53	.55
24CSB		1.29	120MB/6		1.42	338		1.18	782	10.23		1142	2.58	.58
24E	2.00		120PS*	1.88		342		.63	783	8.49		1143		.84
24ESB		1.32	120PSB	2.42	.95	344		.68	784	8.38		1144		.84
24EX		1.66	120RB		2.98	345		.68	785	8.38		1152	9.72	.61
24MB		1.32	120RC		2.98	354		.95	786	8.38		1154		.68
24NA	3.09	1.84	123		.55	356		.68	787	8.49	10.47	1155	1.84	.68
24PSB		1.32	130		.79	363		.55	788	8.49	10.47	1156	1.53	.52
24RC*	4.00	2.98	130MB		1.47	365		2.13	789	9.26	10.47	1157	.84	.52
24X		1.42	131		.68	366		1.97	790	9.26		1157KR*	5.67	
27		.63	134		.70	367		.95	791	9.26		1157NA	2.21	1.16
28ESB		1.16	147	3.45	.55	373		.63	795	10.87	5.49	1157R		1.16
28MB	2.28	1.32	155PSB		1.05	376		.61	809M		6.26	1158		1.00
28PSB	2.29	1.16	157	5.49	2.11	377		.68	862	9.40		1176		.68
31		1.11	158		.52	378		.68	882	8.21		1178		3.09
32*		2.03	159		.52	379		.68	882X	16.23		1184*		3.94
37	1.08	.55	161	1.05	.52	381	1.26	.61	886		4.49	1195	6.55	1.71
40		.52	168	1.05	.52	382	1.03	.68	891	6.98		1196	6.98	1.17
41		.52	192		.52	383		1.24	892		10.87	1203		1.05
43	1.79	.52	193		.52	385		.68	894	8.21	4.89	1209*		9.38
44	.66	.52	194	.82	.52	386	1.79	.61	895		1.34	1224	3.89	.58
46		.52	199		.68	387	1.03	.52	901		.71	1224K		2.11
47	.66	.52	210		1.05	388	1.74	.68	903		.89	1228		2.34
48		.52	211-2		1.34	389		.64	904	1.79	.71	1240		3.20
48C-2		1.47	212-2		1.39	394		.63	906		.58	1250X-2		.74
48MB		1.32	214-2		1.39	398		.66	908	1.11	.71	1251	3.00	.87
48PSB		1.32	215-2		2.00	399		.61	909	1.11	.71	1252		.92
49		.52	216-2		2.00	400	1.42	.53	912		.58	1295		1.00
50		.52	219		1.11	405		1.97	914	1.13	.71	1302*		.70
51	1.61	.52	222	1.76	.52	406		1.97	915		.71	1308	6.81	
51A		1.87	233		.97	407		.53	916		.71	1309		1.68
52A		1.26	238		1.18	425		.55	916NA		2.11	1315	3.74	
52		.52	239		.89	427		1.34	917		.71	1317		2.66
53	.95	.52	243		.55	428		.58	918		.71	1327		3.57
55	1.66	.52	245		.82	432		1.13	918B		1.21	1376		1.32
55C-1		1.21	251		1.32	455		.71	921	2.55	.68	1383	14.98	1.71
55C-3		1.53	252		1.71	456		3.36	921X		1.55	1385	16.43	2.64
56		.84	253X		4.47	464	1.42	.74	923		.68	1404		5.36
60MB	2.19	1.29	256		1.50	502		.52	926	1.11		1414		2.58
60PSB	2.53	1.29	257		.58	503		.52	927	1.11	1.18	1434	21.87	13.28
60RB		3.00	259	1.05	.52	509K		.92	938IC*	4.53		1437		3.28
63		.55	263		1.22	555		.52	939	.97	1.87	1445		.55
64		.55	267	3.96	2.47	558	2.16	.82	947		.75	1446		.97
67		.52	269		1.32	562		1.37	957		1.32	1447		1.39
68	1.82	.55	276		.84	585		.55	965*		2.21	1448		1.87
70		.68	301		.92	590	2.21		967		2.77	1449		.52
73		.55	302		.76	605	2.39	.58	1003	1.47	.52	1450		1.92
73P		.63	303	2.40	.92	623		1.03	1004	1.47	.53	1458		1.55
74	.87	.68	304		.92	624		.68	1008		3.43	1460		4.79
78		4.28	305		.89	631	2.37	1.00	1020		7.83	1460X	11.53	5.00

* While available



Miniature Lamps



Figures may represent more than one lamp on this page. See matching information on page 32.

LAMP	SCOL.1	SCOL.2	LAMP	SCOL.1	SCOL.2	LAMP	SCOL.1	SCOL.2	LAMP	SCOL.1	SCOL.2	LAMP	PRICE
1468X		7.36	2011*	7.34		6424	1.84		A3C		.52	T5.5/12/100	2.16
1477		.66	2033*	8.40		6430		1.75	B1A	1.74	.82	T5.5/12/20	2.16
1479		2.68	2040	9.77	9.45	6838		1.32	B2A	1.74	.82	T5.5/12/50	2.16
1480		2.37	2057	1.45	.52	6839*		1.62	B7A	6.79	1.03	T5.5/24/20K	2.43
1482		1.87	2074	85.72		7001		1.32	B9A		1.16	T5.5/24/30*	2.16
1487		.52	2102		.52	7152		1.45	C9A		1.16	T5.5/24/50*	2.16
1489		9.19	2162		.52	7153		1.45	HPR40		3.45	T5.5/24/50K	2.16
1490		.68	2174		.52	7154AS15		3.64	HPR50		3.45	T5.5/24/100*	2.16
1493	5.64	.52	2176		.52	7155		1.45	HPR51		3.45	T5.5/30/40K	2.64
1495	2.43	2.34	2182		.52	7219		1.00	HPR52		3.45	T5.5/36/20*	2.16
1501*	9.15		2185		.55	7241		1.76	K15		.95	T5.5/6/40*	2.16
1503		1.87	2187	1.05	.52	7263		1.39	KPR2		.82	T6.5/28/45	2.16
1591		.66	2232	6.77		7327		.89	KPR3		.95		
1594		1.76	2233	7.60	2.68	7328		.89	KPR4		.95		
1612		3.21	2331		4.47	7330		.89	KPR13		.95		
1619	6.91	1.74	2341		1.29	7333		.84	KPR102		.95		
1630	8.32	5.79	2382		.89	7335		.66	KPR103		.95		
1631X		6.09	2410X-2		1.66	7349		.89	KPR113		1.55		
1634	15.66	5.36	2417X		1.71	7355*		.85	NE2 (A1A)		.52		
1638	7.36	1.55	2450X		.66	7356		.82	PR2	1.42	.52		
1648		1.89	2530		7.15	7362		.84	PR3	1.34	.52		
1649		7.62	2604X	37.45		7363*		.97	PR4		.52		
1651		.84	2721		.55	7370		1.18	PR6		.52		
1662	12.60	.82	2741		1.19	7371		1.00	PR7		.52		
1665	4.21		2820		1.11	7374		.89	PR9		.52		
1680	2.94	2.36	2860X-1		1.32	7376		1.50	PR12	1.34	.52		
1680X	8.66	2.85	3011		.42	7377		.89	PR13		.52		
1683	4.57	.58	3057	1.82	1.39	7381		.89	PR15		.52		
1691		1.21	3150		.71	7382		.89	PR16		.52		
1692		1.21	3156	1.82	1.39	7387		.79	PR18		.52		
1724		2.11	3157	1.82	1.24	7400	12.89		PR20		.53		
1763		5.11	3157NA		2.24	7506		1.11	PR30		.53		
1767		.92	3357		1.39	7550H	19.49		T4.5/24/20		2.16		
1768		.68	3496		2.36	7550H-1		13.83	T4.5/12/40		2.16		
1769		.68	3650	1.42		7575*		2.82	T4.5/30/40		2.64		
1775		.68	3829		.58	7632		1.45	T4.6/12/40		2.16		
1784		.65	3995*		1.95	7646		1.45	T4.6/12/50		2.16		
1810		.55	4019*	12.81		7683		1.45	T4.6/24/20		2.16		
1813		.55	4049*		13.89	7714		1.45	T4.6/24/40		2.16		
1815	1.47	.55	4405	7.04	12.79	7715		1.45	T4.6/30/20*		2.16		
1816		.52	4411	10.11	7.40	7839		1.76	T4.6/30/40		2.16		
1818	2.68	.52	4412	11.91	13.34	7876		.92					
1819	1.63	.52	4414	9.38	6.62	8001*		9.19					
1820	1.66	.53	4415	7.04	13.64	8005	12.68						
1821		.61	4416	11.45	7.40	8013		7.36					
1822	2.55	.61	4435	8.45	16.49	8014		7.36					
1826		.68	4436	12.11	16.13	8017		7.36					
1828		.68	4446	15.34	7.40	8018		8.81					
1829		.55	4461	14.06	20.87	8025*		14.62					
1835	3.09	.74	4502		20.06	8026*	18.88						
1841		2.23	4505	45.32	14.77	8098		1.45					
1843	4.21	1.24	4515	5.87	7.40	8100		9.19					
1847		.52	4515H	23.98		8128*	18.79						
1850		.61	4535	7.06		8176*		.95					
1864	1.68	.53	4546		12.85	8610		.71					
1866	1.55	.53	4547	34.49	29.45	8623*		4.00					
1873		.82	5626		2.55	8627		.66					
1876		14.30	5627		1.92	8848*		1.29					
1888		.68	5637		1.92	9003		4.74					
1891	1.00	.52	6201		2.66	9004		2.32					
1892	1.37	.52	6245B		1.63	9005		2.85					
1893	1.00	.52	6411		1.29	9006		2.53					
1895		.82	6413		1.51	9007		2.96					
1940	21.15		6416		1.09	13336	16.49						
1962TY	89.70		6418		2.32	A1C		.55					
1970X	108.23		6423		1.50	A1H		1.26					



“ In an automated world such as ours, largely devoid of the human touch . . . it is such a refreshing experience to have someone cater to your wishes, to make the experience of working with your company a delight instead of just another case of “no”, we can’t do it, our automation won’t allow it, etc.

- Best wishes, Mark H.



* While available



PRODUCT CODE	VOLTS	WATTS	BASE	PRICE
AUDIO VISUAL/STAGE STUDIO				
CAX/CAW 130V	130	50	BA15d	10.51
CSR200/DE	80	200	X515	180.34
CSR575/SE/HR	95	575	G22	275.91
CSR1200/DE	100	1200	SF6c10-4	180.34
CSR1200/SE/HR	100	1200	G38	306.55
CSR2500/DE	115	2500	SF6c10-4	393.50
CSR2500/SE/HR	100	2500	G38	560.02
EZS MARC 300-35K*	37.5	300	Special	91.05

MEDICAL

787	6	1.67A	G4	8.49
1460X	6.5	2.75A	DC PF	11.53
Q235T4/3	33	235	GZ9.5	28.72

COMPACT FLUORESCENT

EL23/R25/WW	120	23	E26	47.04
EL23/R25/SW	120	23	E26	47.04
FLE10HT3/2/827	120	10	E26	4.26
FLE13HT2/2/SW/CD	120	13	E26	5.00
FLE14/2/TC16SWCD	120	14	E26	13.83
FLE15HT3/2/827	120	15	E26	3.72
FLE15HT3/2/XL/SW	120	15	E26	4.89
FLE20HT3/2/827	120	20	E26	3.83
FLE26HT3/2/827	120	26	E26	4.79
FLE29HLX/2D3/827 3-Way	120	12/23/29	E26	20.21
FLE42HLX/2/XL827	120	42	E26	58.70
FLE12TT3/827	120	12	E26	10.64
FLE15TT3/827	120	15	E26	8.51
FLE20TT3/827	120	20	E26	10.64
FLE24QBX/A/827	120	24	E26	18.04
FLE28QBX/A/827	120	28	E26	21.17
FLE29QBX/DV/827 Dimmable	120	29	E26	31.77
FLE11/2/R20XL827	120	11	E26	11.70
FLE15/2/DV/R30 Dimmable	120	15	E26	14.89
FLE15/2/R30XL827	120	15	E26	10.64
FLE26/2/DV/R40 Dimmable	120	26	E26	21.28
FLE26/2/R40XL827	120	26	E26	17.02
FLE5/2/CAC/827	120	5	E12	11.21
FLE5/2/CAM/827	120	5	E26	11.21
FLE7/2/CAC/827	120	7	E12	11.57
FLE7/2/CAM/827	120	7	E26	11.57
FLE9/2/CAC/827	120	9	E12	12.02
FLE9/2/CAM/827	120	9	E26	12.02
FLE14/2/TC16SWCD	120	14	E26	13.83
FLE15/2/G25XL	120	15	E26	12.77
F212D/827/4P	120	21	GR10q-4	30.15
F212D/835/4P	120	21	GR10q-4	30.15

GERMICIDAL

G4T5		4	G5	22.94
G6T5		6	G5	22.94
G8T5		8	G5	23.45
G10T8		10	G13	28.19
G15T8		15	G13	23.81
G15T8/CVG		15	G13	30.98
G16T5		16	G5	31.57
G20T10		20	G13	28.20
G25T8		25	G13	23.81
G25T8/CVG		25	G13	35.44
GBX5/UVC		5	G23	24.81
GBX9/UVC		9	G23	26.28
GBX11/UVC		11	G23	28.19
GBX13/UVC		13	G23	29.87
GBX55/UVC		55	2G11	38.23

PRODUCT CODE	VOLTS	WATTS	BASE	PRICE
REVEAL				
40A15/RVL/CD2	120	15	E26	6.13
60A15/CF/RVL	120	60	E26	7.36
60A/RVL	120	60	E26	2.37
75A/RVL	120	75	E26	2.37
100A/RVL	120	100	E26	2.37
30/100/RVL 3-WAY	120	30/100	E26	4.64
50/150/RVL 3-WAY	120	50/150	E26	4.64
40G25C/RVL	120	40	E26	4.15
40G25W/RVL	120	40	E26	4.15
40GC/RVL/CD2	120	40	E12	5.34
40GC/W/RVL/CD2	120	40	E12	5.34
60G25C/RVL	120	60	E26	4.15
60BC/RVL/CD2	120	60	E12	5.89
60BM/RVL/CD2	120	60	E26	5.81
45R20/RVL	120	45	E26	9.47
65R/FL/RVL	120	65	E26	10.53
40T10/RVL	120	40	E26	7.04
40T10/F/RVL	120	40	E26	7.04
60T10/RVL	120	60	E26	7.04

EDISON LIGHT BULBS

25BM/H/CD2	120	25	E26	29.62
40BC/H/CD2	120	40	E12	20.38
40BFM/H/CD2	120	40	E26	20.38
40G25/H/CL	120	40	E26	6.32
40G25/H/CRYSTAL	120	40	E26	6.32
60G25/H/CL	120	60	E26	6.32
60G25/H/CRYSTAL	120	60	E26	6.32

SEALED BEAM

4405	12.8	30	Screw Term	7.04
4414	12.8	18	Screw Term	9.38
4415	12.8	35	Screw Term	7.04
4435	12.8	30	Screw Term	8.45
4515	6.4	30	Screw Term	5.87
4535	6.4	30	Screw Term	7.06



LED BULBS

PAR				
LED7PAR20/NFL20	120	7	E26	43.34
LED7PAR20/SP10	120	7	E26	43.34
LED10P30/NFL24	120	10	E26	59.52
LED10P30L/NFL24	120	10	E26	59.52

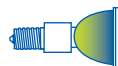
MR16

LED1GU10/NFL	120	1	GU10	16.92
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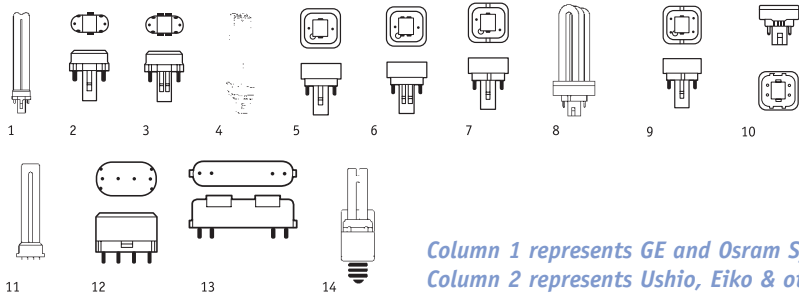
A, G AND CANDLE SHAPES

LED2A15W/TP	120	2	E26	21.60
LED2A15C/TP	120	2	E26	21.60
LED2G16C/W/TP	120	2	E12	20.22
LED2G16M/W/TP	120	2	E26	20.22
LED2G25M/C/TP	120	2	E26	21.07
LED2CAC/C/TP	120	2	E12	19.68
LED2CAM/W/TP	120	2	E26	19.68

* While available



Fluorescent Lamps



Figures may represent more than one lamp on this page. See matching information on page 32.

Column 1 represents GE and Osram Sylvania
Column 2 represents Ushio, Eiko & others

PRODUCT CODE	WATTS	BASE	\$COL.1	\$COL.2
F4T5/BL	4	G5		2.11
F4T5/BLB	4	G5	28.28	8.81
F4T5/CW	4	G5	10.13	2.11
F4T5/D	4	G5		1.81
F4T5/WW	4	G5		2.11
F6T5/BL	6	G5		3.43
F6T5/BLB	6	G5	32.30	8.81
F6T5/CW	6	G5	8.79	2.11
F6T5/D	6	G5	12.00	2.11
F6T5/WW	6	G5	14.21	2.11
F8T5/BL	8	G5		2.11
F8T5/BLB	8	G5	28.28	9.77
F8T5/CW	8	G5	7.21	2.11
F8T5/D	8	G5	14.62	2.11
F8T5/W*	8	G5		2.02
F8T5/WW	8	G5	12.28	2.11
F8T5/30U	8	G5	31.23	
F10T8/BLB	10	G13		14.15
F10T8/CW	10	G13		2.21
F13T5/CW	13	G5	10.94	4.02
F13T5/D	13	G5		4.02
F13T5/WW	13	G5	14.13	4.02
F13T8/CW	13	G13	13.85	2.11
F14T8/CW	14	G13	14.68	1.60
F14T8/D	14	G13	16.51	1.60
F14T12/CW	14	G13	9.40	
F14T12/D	14	G13	12.32	
F14T12/WW*	14	G13	12.06	
F15T8/BL	15	G13	13.72	6.70
F15T8/BLB	15	G13	38.68	13.98
F15T8/350BL	15	G13	14.77	
F15T8/CW	15	G13	7.68	2.98
F15T8/D	15	G13	11.53	3.49

PRODUCT CODE	WATTS	BASE	\$COL.1	\$COL.2
F15T8/D830	15	G13	25.70	
F15T8/DSGN50	15	G13	14.66	
F15T8/W	15	G13		1.87
F15T8/WW	15	G13	12.09	3.49
F15T12/350BL/500PH	15	G13	23.96	
F15T12/CW	15	G13	9.06	
F15T12/D	15	G13	13.19	
F15T12/WW	15	G13	11.32	
F17T8/730	17	G13		2.85
F17T8/SP35/ECO	17	G13	4.38	2.85
F17T8/SP41/ECO	17	G13	4.38	2.85
F17T8/750	17	G13		2.85
F18T8/CWK24	18	G13	17.34	
F18T8/CWK26	18	G13	17.87	
F18T8/CWK28	18	G13	17.34	
F18T8/CWK30	18	G13	17.34	
F18T12/350BL/700PH	32	G13	23.74	
F18T12/CW/HO	25	G13	19.98	
F20T10/BLB	20	G13		23.23
F20T12/350BL	20	G13	18.40	
F20T12/BB	20	G13	34.47	
F20T12/BL	20	G13	14.49	
F20T12/BLB	20	G13	44.87	
F20T12/CW	20	G13	7.89	
F20T12/D	20	G13	10.94	
F20T12/DSGN50	20	G13	15.89	
F20T12/PL/AQ	20	G13	16.34	
F20T12/SPEC35	20	G13	14.51	
F20T12/SPX35	20	G13	19.38	
F20T12/WW	20	G13	9.09	
F24T8/CW/4	18	G13	8.40	
F24T12/CW/HO	24	G13	20.70	
F25T8/350BL/18	25	G13	13.81	

PRODUCT CODE	WATTS	BASE	\$COL.1	\$COL.2
F25T8/SPX30/ECO	25	G13	4.90	3.70
F25T8/TL841	25	G13	19.91	3.70
F25T12/CW/28	25	G13	16.55	
F25T12/CW/33	25	G13	16.00	
F25T12/D/33	25	G13	18.40	
F28T8/CW/4	19	G13	14.19	
F30T8/CW/4	19	G13	14.26	
F30T8/350BL	30	G13	17.72	
F30T8/CW	30	G13	7.02	
F30T8/D	30	G13	13.49	
F30T8/WW	30	G13	14.32	
F30T12/50U/RS	30	G13	28.21	
F30T12/CW/RS	30	G13	4.66	
F30T12/CW/RS PH	30	G13	11.68	
F30T12/D/RS	30	G13	16.40	
F30T12/WW/RS	30	G13	13.47	
FBO16/865XP	16	G13	28.96	
FC6T9/CW	20	G10q	14.85	
FC8T9/BLB	22	G10q	30.98	
FC8T9/CW	22	G10q	12.47	2.66
FC8T9/D	22	G10q	17.11	3.62
FC8T9/WW/RS	22	G10q	16.32	
FC12T9/CW	32	G10q	13.13	4.09
FC12T9/D	32	G10q	20.53	3.49
FC16T9/CW	40	G10q	18.36	5.85
FC16T9/D	40	G10q	23.68	5.85
FO17/835/ECO	17	G13	4.34	
FO17/841/ECO	17	G13	4.34	
FO25/835/ECO	25	G13	5.09	

We do not ship fluorescent lamps over 36 inches long.

Compact Fluorescent Lamps

PRODUCT CODE	WATTS	BASE	\$COL.1	\$COL.2
COMPACT FLUORESCENT				
5 Watts				
CF5DS/827	5	G23	2.62	2.02
CF5DS/841	5	G23	2.62	2.45
DT5/27	5	G23		2.21
DT5/35	5	G23		2.21
DT5/41	5	G23		2.21
DT5/50	5	G23		2.21
DT5/65	5	G23		2.21
F5BX/SPX27/827	5	G23	2.62	
F5BX/SPX41/840	5	G23	2.62	
PL-S 5W/27	5	G23	4.38	
PL-S 5W/TUV	5	G23	21.87	
7 Watts				
CF7DS/827	7	G23	2.62	2.45
CF7DS/835	7	G23	2.62	
CF7DS/841	7	G23	2.62	2.45
CF7DS/850	7	G23	2.62	
DT7/27	7	G23		2.21
DT7/35	7	G23		2.21
DT7/41	7	G23		2.21

PRODUCT CODE	WATTS	BASE	\$COL.1	\$COL.2
DT7/65	7	G23		2.21
F7BX/SPX27/827	7	G23	2.62	
F7BX/SPX35/835	7	G23	2.62	
F7BX/SPX41/840	7	G23	2.62	
PL-S 7W/27	7	G23	4.38	
PL-S 7W/41	7	G23	4.38	
9 Watts				
CF9DD/827	9	G23-2	7.17	5.32
CF9DD/835	9	G23-2	7.17	5.32
CF9DS/827	9	G23	2.62	2.45
CF9DS/835	9	G23	2.62	2.45
CF9DS/841	9	G23	2.62	2.45
CF9DS/850	9	G23	2.66	
CF9DS/E/827	9	2G7	12.55	2.98
DT9/27	9	G23		2.21
DT9/41	9	G23		2.21
DT9/65	9	G23		2.21
DULUXS 9W/78 UVA	9	G23	9.30	
F9BX/SPX27/827	9	G23	2.62	
F9BX/SPX35/835	9	G23	2.62	
PL-S 9W/10	9	G23	21.51	

Fluorescent Abbreviations

AQ = Aquarium	SW = Soft white
BL = Blacklight	U = Ultralume high output
BLB = Blacklight blue	W = White
CW = Cool white	WW = Warm White
D = Daylight	827 = 2700 K
DSGN50 = 5000 K	835 = 3500 K
FC = Circular tube	841 = 4100 K
GRO = Grow light	850 = 5000 K
HO = High output	30U = 3000 K
N = Natural light	41U = 4100 K
PL = Plant light	50U = 5000 K
RS = Rapid start	

Fluorescent lamps provide about 4-6 times the light output per watt of an incandescent lamp.

* While available

Save time and money, let us ship to your customer.

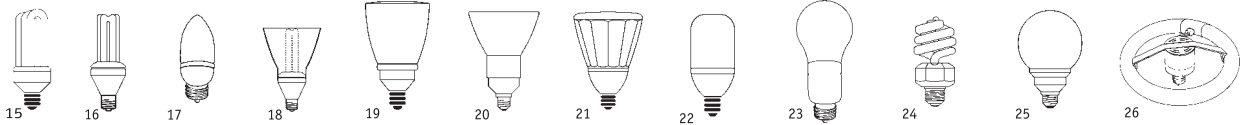
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Compact Fluorescent Lamps



Column 1 represents GE and Osram Sylvania
Column 2 represents Ushio, Eiko & others



Figures may represent more than one lamp on this page. See matching information on page 32.

PRODUCT CODE	WATTS	BASE	\$COL.1	\$COL.2
PL-S 9W/27	9	G23	4.38	
PL-S 9W/41	9	G23	4.38	
QT9/27	9	G23-2		3.94
QT9/30	9	G23-2		3.94
13 Watts				
CF13DD/827	13	GX23-2	7.17	5.32
CF13DD/830	13	GX23-2	7.17	
CF13DD/835	13	GX23-2	7.17	5.32
CF13DD/841	13	GX23-2	7.17	5.32
CF13DD/E/827	13	G24q-1	8.51	7.00
CF13DD/E/830	13	G24q-1	22.02	
CF13DD/E/835	13	G24q-1	22.02	7.00
CF13DD/E/841	13	G24q-1	22.02	7.00
CF13DS/827	13	GX23	2.72	2.45
CF13DS/830	13	GX23	3.21	
CF13DS/835	13	GX23	2.72	2.45
CF13DS/841	13	GX23	2.72	2.45
CF13DS/850	13	GX23	2.72	2.53
CF13DS/E/841	13	2GX7	12.30	2.98
DT13/27	13	GX23	2.21	
DT13/30	13	GX23	2.21	
DT13/35	13	GX23	2.21	
DT13/41	13	GX23	2.21	
DT13/65	13	GX23	2.21	
F13BX/SPX27/827	13	GX23	2.88	
F13BX/SPX30/830	13	GX23	2.88	
F13BX/SPX35/835	13	GX23	2.88	
PL-C 13W/27/USA	13	GX23-2	7.68	
PL-S 13W/27	13	GX23	4.38	
PL-S 13W/41	13	GX23	4.38	
QT13/27	13	GX23-2		3.94
QT13/27-4P	13	G24q-1		4.23
QT13/30	13	GX23-2		3.94
QT13/35	13	GX23-2		3.83
QT13/35-4P	13	G24q-1		4.40
QT13/41	13	GX23-2		4.23
QT13/41-4P	13	G24q-1		4.74
QT13/50	13	GX23-2		3.94
QT13/50-4P	13	G24q-1		3.94
QT13/65	13	GX23-2		3.94
QT13/65-4P	13	G24q-1		3.94
18 Watts				
CF18DD/827	18	G24d-2	26.60	5.32
CF18DD/830	18	G24d-2	26.60	
CF18DD/835	18	G24d-2	26.60	4.68
CF18DD/841	18	G24d-2	26.60	5.32
CF18DD/E/830	18	G24q-2	29.30	
CF18DD/E/835	18	G24q-2	10.64	5.32
CF18DD/E/841	18	G24q-2	29.30	7.00
F18BX/SPX30	18	2G11	12.11	
F18BX/SPX35	18	2G11	12.11	
F18DBX/T4/SPX30	18	G24d-2	8.79	
F18DBX/T4/SPX41	18	G24d-2	8.79	
TT18/41	18	GX24q-2		6.91
TT18/50	18	GX24q-2		6.91
QT18/27	18	G24d-2		4.36
QT18/27-4P	18	G24q-2		4.36
QT18/35	18	G24d-2		5.09
QT18/50	18	G24d-2		4.36
QT18/50-4P	18	G24q-2		4.36
22 to 26 Watts				
PL-C 15mm/22W/27	22	GX32d	33.77	
CF26DD/827	26	G24d-3	25.60	6.06
CF26DD/830	26	G24d-3	27.77	
CF26DD/835	26	G24d-3	25.60	5.00
CF26DD/841	26	G24d-3	27.77	6.06
CF26DD/E/827	26	G24q-3	27.77	8.04

PRODUCT CODE	WATTS	BASE	\$COL.1	\$COL.2
CF26DD/E/830	26	G24q-3	11.70	
CF26DD/E/835	26	G24q-3	25.60	5.32
CF26DD/E/841	26	G24q-3	25.60	8.04
F26DBX/SPX30/4P	26	G24q-3	9.30	
F26DBX/SPX30	26	G24d-3	9.30	
F26DBX/SPX35	26	G24d-3	9.30	
F26DBX/SPX41	26	G24d-3	9.30	
PL-T 26W/30/4P/ALTO	26	GX24q-3	19.98	
PL-T 26W/35/4P/ALTO	26	GX24q-3	16.98	
TT26/27	26	GX24q-3		6.91
TT26/41	26	GX24q-3		6.91
TT26/65	26	GX24q-3		6.91
QT26/27-4P	26	G24q-2		4.57
QT26/30	26	G24d-3		4.57
QT26/35	26	G24d-3		3.40
QT26/35-4P	26	G24q-2		6.11
QT26/41	26	G24d-3		4.57
QT26/41-4P	26	G24q-3		5.21
QT26/50	26	G24d-3		5.09
QT26/50-4P	26	G24q-3		4.57
QT26/65	26	G24d-3		4.57
QT26/65-4P	26	G24q-3		4.57
28 to 55 Watts				
PL-C 15mm/28W/27	28	GX32d	47.53	
TT32/35	32	GX24q-3		7.98
F39/36BX/SPX30/RS	39	2G11	13.57	
F39/36BX/SPX35/RS	39	2G11	13.57	
F39/36BX/SPX41/RS	39	2G11	13.57	
F40/30BX/SPX30	40	2G11	11.47	
F40/30BX/SPX35	40	2G11	11.47	
F40/30BX/SPX41	40	2G11	11.47	
F50BX/SPX35/RS	50	2G11	12.19	
DT40/41/RS	40	2G11		9.04
DT50/41/RS	50	2G11		10.19
DT55/41/RS	55	2G11		9.57
CANDELABRA SCREW BASE				
T2W-10702C Torpedo	2	E12		14.51
SL4/27NPF 28904C	4	E12		8.45
T4W-10704C Torpedo	4	E12		10.90
FLE5/2/CAC/827	5	E12	11.21	
FLE7/2/CAC/827	7	E12	11.57	
FLE9/2/CAC/827	9	E12	12.02	
MEDIUM SCREW BASE				
2 to 9 Watt				
SL2/27NPF 28902	2	E26		8.45
SL4/27NPF 28904	4	E26		8.45
FLE5/2/CAM/827	5	E26	11.21	
CF7EL/MINITWIST/1	7	E26	5.98	
FLE7/2/CAM/827	7	E26	11.57	
CF9EL/CL/830*	9	E26	18.09	
CF9CLT	9	E26		7.64
FLE9/2/CAM/827	9	E26	12.02	
SL9/27NPF 28909	9	E26		8.45
SL9/27/HPF Dimmable	10109	E26		
	9	E26		18.32
SL9/51/NPF Mini 28009/51K		E26		14.96
10 to 13 Watt				
FLE10HT3/2/827Spiral	10	E26	4.26	
CF11EL/MINITWIST/1	11	E26	6.17	
CF11CLT	11	E26		7.64
FLE11/2/R20XL827	11	E26	11.70	
SL11/27/HPF Dimmable	11	E26		18.32
CF13CLT	13	E26		7.64
CF13EL/B/830*	13	E26	23.40	
CF13EL/MINITWIST/1	13	E26	5.43	
CF13EL/SUPERMINI/5K/1BL	13	E26		8.47

PRODUCT CODE	WATTS	BASE	\$COL.1	\$COL.2
FLE13HT2/2/SW	13	E26	5.00	
SL13/27/NPF Mini 289 13	13	E26		8.45
SL13/41/NPF Mini 28013	13	E26		14.96
SP13/27K	13	E26		4.02
SP13/41K	13	E26		4.02
14 to 18 Watts				
CF14EL/A19	14	E26	8.02	
SL14/19/32W 3-WAY 19032				
	14/19/32	E26		24.54
T14W/51 10714/51Torpedo				
	14	E26		13.62
T14W-21314 A19	14	E26		13.62
T14W-1R2014 R20	14	E26		13.22
T14W-2R3014 R30	14	E26		13.22
CF15CLT	14	E26		7.64
CF15ELBR30/DIMMABLE	15	E26	26.04	
FLE15/2/DV/R30	15	E26	14.89	
FLE15/2/R30SWCD	15	E26	17.45	
FLE15HT3/2/827 Spiral	15	E26	3.72	
FLE15/2/G25XL	15	E26	12.77	
FLE15TT3/827	15	E26	8.51	
R30/15/27K	15	E26		7.45
R30/15/41K	15	E26		7.45
R30/15/65K	15	E26		7.45
SL15/65/HPF 18215/65	15	E26		7.45
SLS/R30 15W*	15	E26	33.38	
T3WAY-19032	15/23/32	E26		24.54
SL16/R30/27	16	E26		13.22
SL16/R30/51	16	E26		13.22
SL16/R40/27	16	E26		14.54
SL18/27/NPF	18	E26		9.62
SL18/41/NPF 28018/41K	18	E26		14.96
19 to 20 Watts				
CF19EL/BR40/827/DIM/RP			23.40	
CF19EL/MINITWIST/830	19	E26	6.17	
T19W-1R4019 R40	19	E26		15.88
T19W-2P3819 PAR 38	19	E26		15.88
SP19/35K	19	E26		4.79
SP19/41K	19	E26		4.79
CF20CLT	20	E26		7.64
CF20EL/MICRO/830/ECO	20	E26	9.04	
CF20EL/BR40*	20	E26	11.70	
FLE20HT3/2/827 Spiral	20	E26	3.83	
FLE20TT3/827	20	E26	10.64	
R30/20/27K	20	E26		7.98
R30/20/41K	20	E26		7.98
R30/20/65K	20	E26		7.98
SLS 20*	20	E26	25.74	
SP20/65K	20	E26		6.91

ILLUMINATION COMPARISONS

Between compact fluorescents and incandescents

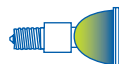
Fluorescents

Incandescents



2W = 15W
4W = 25W
9W = 40W
13-16W = 60W
18-20W = 75W
23-27W = 100W
32W = 130W
42W = 150W
58W = 200W
68W = 300W

* While available



Compact Fluorescent Lamps

PRODUCT CODE	WATTS	BASE	\$COL.1	\$COL.2
22 to 85 Watts				
CF23CLT	23	E26		7.64
CF23EL/MINI/830	23	E26	6.17	
CF23EL/PAR38/827	23	E26	15.19	
EL23/R25/27 Genura	23	E26	47.04	
EL23/R25/30 Genura	23	E26	47.04	
R40/23/27K	23	E26	7.98	
R40/23/41K	23	E26	7.98	
R40/23/65K	23	E26	7.98	
SL23/27/NPF 28923	23	E26	9.62	
SL23/35/NPF 28023/31K	23	E26	9.62	
SL23/FRESH2 28923F2	23	E26	18.58	
SL23/NPF Full Spectrum 28923FS	23	E26		14.68
SP23/27K	23	E26	5.21	
SP23/41K	23	E26	5.21	
T23W-1R4023 R40	23	E26	15.88	
FLE24QBX/A/827	24	E26	18.04	

PRODUCT CODE	WATTS	BASE	\$COL.1	\$COL.2
CF26CLT	26	E26		7.64
SLS 25*	25	E26	25.74	
FLE26/2/DV/R40	26	E26	21.28	
FLE26/2/R40XL827	26	E26	17.02	
FLE26HT3/2/827 Spiral	26	E26	4.79	
CF27EL/TWIST/830	27	E26	11.23	
SL27/27/NPF	27	E26		10.32
SL27/41K/NPF-WL	27	E26		14.58
SL27/51K/NPFH-WL	27	E26		14.58
SP27/27	27	E26	6.38	
SP27/41	27	E26	6.38	
CF28EL/3WAY/TWIST	28	E26	17.19	
FLE28QBX/A/827	28	E26	21.17	
FLE29QBX/DV/827	29	E26	31.77	
CF30EL/TWIST/830	30	E26	12.32	
SL32/27/NPF	32	E26		15.07
SL32/3-WAY 14/19/32 19032		E26		24.54
T32W CIRCLINE 32032		E26		7.90

PRODUCT CODE	WATTS	BASE	\$COL.1	\$COL.2
SP32/27	32	E26		7.06
SP32/35	32	E26		7.06
SP32/41	32	E26		7.06
CF40EL/TWIST/827	40	E26	15.40	
SL42/27/NPF 28942	42	E26		19.92
SL42/27/NPF/MOG 28942H42		E39		25.90
SL42/27/NPF/MOG 277V	42	E39		31.34
SP42/35K	42	E26		11.66
SP42/41K	42	E26		11.66
SP42/50K	42	E26		11.66
T58W/2D CIRCLINE 32058	58			12.24
SP85/41/MED	85	E26		28.91
SP85/50/MED	85	E26		28.91
SP85/64	85	E26		28.91
U28085*	85	E26		34.04
SP105/41/MED	105	E26		37.43
SP105/50/MED	105	E26		37.43
SP105/41/MOG	105	E39		37.43



Ultraviolet Fluorescent Lamps

PRODUCT CODE	WATTS	BASE	\$COL.1	\$COL.2
UV-A BLACKLIGHT & BLACKLIGHT BLUE LAMPS 352-368nm				
Miniature Bipin Base G5				
F4T5/BL	4	G5		3.23
F4T5/BLB	4	G5	28.28	8.62
F6T5/BL	6	G5		3.34
F6T5/BLB	6	G5	32.30	8.81
F8T5/BL	8	G5		3.34
F8T5/BLB	8	G5	28.28	9.77
F8T5/BLB Philips	8	G5	32.30	
Medium Bipin Base G13				
F10T8/BLB	10	G13		14.15
F15T8/BL	15	G13	13.72	8.19
F15T8/BLB	15	G13	36.06	15.30
F15T8/350BL	15	G13	14.77	
"F25T8/350BL/18"	25	G13	13.81	
F30T8/BLB	30	G13	73.60	31.34
F30T8/350BL	30	G13	17.72	
Medium Bipin Base G13				
F15T12/350BL/500PH22		G13	23.96	
F18T12/350BL700/PH32		G13	23.74	
F20T10/BLB	20	G13		23.23
F20T12/350BL	20	G13	18.40	
F20T12/BB	20	G13	48.74	
F20T12/BL	20	G13	16.77	
F20T12/BLB	20	G13	51.96	
Circline G10q Base				
FC8T9/BLB	22	G10q	30.98	
Compact Style G23, GX23 & 2G11 Bases				
DULUXS 9W/78 UVA	9	G23	9.30	
PL-S 9W/10	9	G23	21.09	

PRODUCT CODE	WATTS	BASE	\$COL.1	\$COL.2
FPX9BL	9	G23		31.34
PL-S 9W/8 BLB	9	G23	25.21	
FPX9BLB	9	G23		22.23
FPL18K/BLB	18	2G11		38.38
UV-B GERMICIDAL LAMPS				
G8T5E	8	G5		34.36
G15T8E	15	G13		38.38
G25T8E	25	G13		63.53
UV-C GERMICIDAL LAMPS 253.7nm				
GBX5/UVC	5	G23	24.81	
GPX5	5	G23		19.15
PL-S 5W/TUV	5	G23	21.38	
GBX9/UVC	9	G23	26.28	
GCF9DS/G23/SE/OF	9	G23	16.28	
GPX9	9	G23		18.09
PL-S 9W/TUV	9	G23	24.15	
GBX11/UVC	11	G23	28.19	
GCF11DS/G23/SE/OF	11	G23	22.57	
GPX11	11	G23		26.60
GBX13/UVC	13	G23	29.87	
GFT18DL/2G11/SE/OF	18	2G11	28.26	
GPL18K	18	2G11		44.47
GFT24DL/2G11/SE/OF	24	2G11	40.89	
GFT36DL/2G11/SE/OF	36	2G11	37.02	
GL36K	36	2G11		51.53
GBX55/UVC	55	2G11	38.23	

WARNING: Protect your eyes and skin when operating these lamps. Equipment should be designed to completely screen or filter UV radiation.

PRODUCT CODE	WATTS	BASE	\$COL.1	\$COL.2
Miniature Bipin Base G5				
G4T5	4	G5	22.94	15.15
G4T5/OF	4	G5	8.98	
G6T5	6	G5	22.94	15.74
G6T5/OF	6	G5	5.87	
G8T5	8	G5	20.21	14.85
G8T5/OF	8	G5	7.23	
G16T5	16	G5	31.57	18.96
G20T5	20	G5		22.79
G20T5/OF	20	G5	14.47	
Medium Bipin Base G13				
G10T8	10	G13	28.19	22.36
G10T8/OF	10	G13	10.38	
G15T8	15	G13	23.81	25.00
G15T8/CVG	15	G13	30.98	
G15T8/OF	15	G13	13.83	
G20T10/OF	20	G13	28.19	
G25T8	25	G13	21.28	19.68
G25T8/CVG	25	G13	35.94	
G25T8/OF	25	G13	15.74	
G30T8	30	G13	28.72	21.68
G30T8/CVG	30	G13	39.26	
G30T8/OF	30	G13	16.49	
Slimline Single Pin Base				
G10T5L	10			35.43
G10T5VH	10			45.36
Slimline 4-Pin Base				
G10T5L/4P	10		29.81	39.26
G14T5L/4P (GPH287)14				34.96
G22T5L/4P (GPH436)22				45.49
E17 Intermediate Screw Base				
GTL-2	2	E17		11.36
GTL3	3	E17		10.64

TCP Lamps



PRODUCT CODE	VOLTS	WATTS	BASE	PRICE
TORPEDO LAMPS				
T2W-10702C	120	2	E12	14.51
T4W-10704C	120	4	E12	10.90
T14W/51 10714/51K	120	14	E26	13.62
A-LAMP				
T14W-11314 A19	120	14	E26	13.62
SPIRAL SPRING LAMPS				
SL2/27NPF 28902	120	2	E26	8.45
SL4/27NPF 28904C	120	4	E12	10.90
SL4/27NPF 28904	120	4	E26	8.45
SL9/27NPF 28909	120	9	E26	8.45
SL9/27/HPF Dimmable	120	9	E26	18.32

PRODUCT CODE	VOLTS	WATTS	BASE	PRICE
SL11/27/HPF Dimmable	120	11	E26	18.32
SL18/27/NPF	120	18	E26	9.62
SL23/27/NPF	120	23	E26	9.62
SL23/NPF Full Spectrum	120	23	E26	14.68
SL27/27/NPF	120	27	E26	10.32
SL27/41K/NPFH-WL	120	27	E26	14.58
SL27/51K/NPFH-WL	120	27	E26	14.58
SL32/27/NPF	120	32	E26	15.07
SL42/27/NPF	120	42	E26	19.92
SL42/27/NPF/MOG	120	42	E39	25.90
SL42/27/NPF/MOG 277V	277	42	E39	31.34

PRODUCT CODE	VOLTS	WATTS	BASE	PRICE
REFLECTOR LAMPS				
T14W-1R2014 R20	120	14	E26	13.22
T14W-2R3014 R30	120	14	E26	13.22
T19W-1R4019 R40	120	19	E26	15.88
T23W-1R4023 R40	120	23	E26	15.88

Most lamps are available in 27K, 31K, 35K, 41K, 50K and 65K

Ask about options for wet location, shatter resistant, colors, and full spectrum

* While available

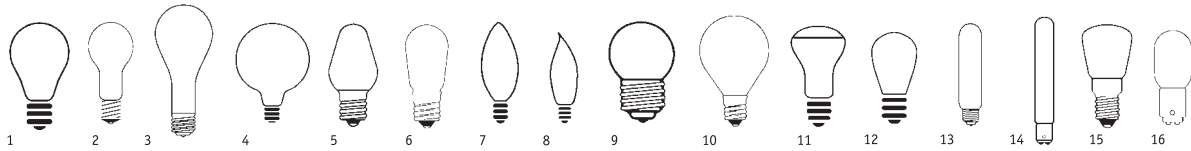
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Wattage Coded Lamps

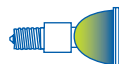
Column 1 represents GE and Osram Sylvania
Column 2 represents Ushio, Eiko & others



Figures may represent more than one lamp on this page. See matching information on page 32.

PRODUCT CODE	SCOL.1	SCOL.2	PRODUCT CODE	SCOL.1	SCOL.2	PRODUCT CODE	SCOL.1	SCOL.2	PRODUCT CODE	SCOL.1	SCOL.2
2W18V E10		1.97	10G12/W		1.45	25BC	3.49		40G25/H/CL		6.32
2W18V E12		1.97	10S6 120V BA15s		1.69	25BC/H	24.81		40G25/H/CRYSTAL		6.32
2W24V E10		1.97	10S6 120V E12		1.16	25BC/RVL	8.81		40G25/W/L		4.06
2W24V E12		1.97	10S6/10 230V	5.85	1.05	25BM/H	29.62		40G25/W/RVL		4.15
2W24V BA9s		1.97	10S6/10 250V	5.85	1.76	25CFC 130V		2.66	40GC/RVL		5.34
2W130V BA9s		1.97	10S6/10DC 230V	6.49		25CFC/P 130V 25MM		2.66	40GC/W/RVL		5.34
3S6/5 130V	6.57	1.05	10S11/79	4.96		25CTC		2.66	40S11/CS		2.63
3W24V E10		1.97	10S11N	7.49	2.00	25CTC E14 120V		2.66	40S11N	6.53	1.37
3W24V BA15d		1.97	10S11N/F	4.19	2.87	25CTF		2.66	40S11N/1*		6.87
3W30V E12		1.97	10S14	4.68		25E14/CL 120V		4.06	40S11N/IF	5.70	2.24
4C7		1.19	10S14/IF*	7.77		25E14FR 120V		4.06	40S11/MED		1.32
4C7CD/2	3.62		10W6V BA15s		2.37	25E14/PYGYMY 120V		4.06	40T6.5/2	7.21	
4C7/W 130V		1.45	10W12V BA15d		1.98	25E14/PYGYMY 220V		4.06	40T6.5N/2F		1.47
5E1435-305 30V		2.50	10W12V BA15s		1.98	25F15 130V		2.11	40T8/CL	17.64	5.79
5E1448-65		2.50	11S14	3.53	1.24	25FM/A	5.32		40T8/CS		3.29
5W12V BA15s		1.97	11S14/CR		2.56	25G12 130V		1.45	40T8/DC		3.95
5W24V BA15d		1.97	11S14/W		1.44	25G16.5	2.47	1.66	40T8N		2.54
5W24V BA15s		1.97	12S8/93T 12V	5.15		25G18.5W*	4.70		40T10/CL	5.34	1.16
5W30V BA15d		2.66	15A15	1.54	1.87	25G25/W	4.15	2.26	40T10/F	5.55	1.24
5W130V BA15d		2.50	15A15 130V	2.89		25GC/RVL	7.90		40T10/F/RVL	7.04	
6S6 6V		.89	15A15/CL	3.73		25GC/W	2.11		40T10/RVL	7.04	
6S6 12V	6.09	.89	15BA9C*	2.29		25S6		2.26	42A/CAP120V	6.51	
6S6 24V	6.09	.89	15BA9C/LL	4.38		25S11/2C	7.32	1.39	42A/CAP130V	7.91	
6S6 30V	6.23	.89	15BC/CD2 120V	3.47		25S11/5C	7.68	1.03	50/150A21/SPK	6.34	
6S6 48V		.89	15C7 130V		1.24	25S11/IF E12		1.71	50/150RVL	4.64	
6S6 120V	1.77	.95	15CTC 130V		1.58	25S11N/FR		1.45	50A21 12V	6.87	
6S6 130V	2.64	.95	15CTC/P 25MM		1.97	25T6 130V		1.45	52A/CAP120V	6.51	
6S6 145V	5.26	.95	15E14/12V		4.06	25T6.5/CL 120V	6.02		52A/CAP130V	7.91	
6S6 155V	5.26	.95	15E14/120VPYGYMY		4.06	25T6.5 130V	7.96	1.29	55A/SW/MI	2.03	
6S6/DC 6V		.89	15E14/220V		5.51	25T6.5DC	9.26	1.29	60A 130V	2.28	
6S6/DC 12V		.89	15E27/CL		4.06	25T6.5/DC/F	12.83	1.71	60A15/CF/STG	11.47	
6S6/DC 24V		.89	15F10/ALL	5.66		25T6.5/F	7.83	1.29	60A19/CB		3.95
6S6/DC 30V		.89	15GC/L	2.47		25T7/CS 130V		1.45	60A19/CG		3.95
6S6/DC 48V		.90	15S11/102/CL	4.17	2.37	25T7/DC 130V		1.79	60A19/230V		2.50
6S6/DC 60V		.95	15S11/102F		2.79	25T7N		1.45	60A19/CR		3.29
6S6/DC 75V	6.02	1.76	15S11/13	4.11	1.82	25T8/C	5.04	1.39	60A/FRB22		3.39
6S6/DC 120V	3.83	.95	15S11/14		1.82	25T8DC	5.17	1.21	60A/GRO	9.62	
6S6/DC 130V	5.04	.95	15S11/87		2.32	25T8DC/F		2.00	60A/HAL	9.96	
6S6/DC 145V	6.64	.95	15S11 230V		17.83	25T8N	5.75	1.08	60A/RS/1P/1	4.85	
6S6/DC/R		2.19	15S11/IF		2.87	25T10	4.83	1.29	60A/S	3.15	
6S6/SC 6V		3.21	15S11N/IF		2.87	25T10/F	5.55	1.55	60A/SB	5.72	
6S6/SC 120V		1.05	15S14/IF*	3.62		25T10/TF		6.58	60A/SPK	3.45	
6T4.5/1 130V		1.76	15T4C 130V		2.63	30/100RVL	4.64		60B10/BL	2.17	
7C7	1.81	.63	15T4.5 130V E12		1.32	30A15/8	3.90		60B10C/DL/BL	2.34	
7C7/A 130V		1.24	15T6-120V	5.23	1.08	30S11		6.75	60BT15/HAL/W	14.49	4.62
7C7/O	3.55	1.24	15T6-145V	6.15	1.05	30T7DC		1.87	60BTT/CL	14.23	
7C7/R	3.55	1.24	15T7C	4.49	1.26	LN35/W		19.74	60BTT/POST	13.57	
7C7/W	2.34	1.11	15T7/DC	4.34	1.26	40A15	2.38	1.37	60C15SG/BL		9.21
7C9 120V		1.03	15T7N	4.60	1.26	40A15/CLBL	2.43		60CFC		1.32
7C9/W 120V		1.32	15T8/C		1.98	40A15/RVL 2-PK	6.13		60CTC		1.32
7G8 E12		1.76	15T8/E14 120V		2.68	40A15/CF/RVL	7.36		60E14/B10 120V		4.06
7.5S	3.26		15T10/CL	5.32		40A15/WCF/RVL	6.13		60G16.5		1.79
7.5S/CR*	3.74	1.16	18BT6 24V		2.24	40A/RVL	2.04		60G25	2.37	
7.5S/CW	3.45	1.16	18S11-10V-SCB	3.20		40A15/TF	7.47	3.16	60G25/H	6.32	
7.5S/CW 130V	4.06	1.16	20S11/MED	1.76		40B10/BL	2.17		60G25/H/CRYSTAL	6.32	
7.5S/W	3.83		20T6.5	11.43	1.29	40C15S/TF		9.21	60G25/W	3.89	1.48
7.5S11		1.16	20T6.5/DC	13.70	1.29	40CAC/L	2.04		60GC/CD*	3.94	
7.5S11/CB 130V		1.16	20T6.5/DCF	10.13	1.37	40CAM/LL 2/PK	4.45		60K19/DL	11.19	
7.5S11/CO 130V		1.16	20T6.5/F	8.45	1.29	40CFC E12		1.26	60T8 130V		4.68
7.5S11/CR 130V		1.16	20T7 130V		1.78	40CTC E12		1.45	60T8/DC		1.71
7.5S11/W 130V		1.16	20T7/DC		1.87	40E14/CP 120V		4.07	60T10		2.63
8W12V/MB	2.24		25A 24V		4.03	40E14/B/120V/FR		4.07	60T10F	6.17	2.63
8W12V/MS	2.24		25A/R	3.62	2.79	40E14/B 220V		4.07	60T10/TF		3.94
10BS37/24V BA15s		1.98	25A19 12V	7.17	2.63	40EFC E26		1.18	60T10/RVL	7.04	
10C7	3.70	.89	25A19 230V	9.02	2.74	40EFF E26		1.18	60TC/DC		3.48
10C7/DC		.95	25A19/CL	3.23		40G12/CL		1.58	K60A19/TS/EW	13.11	
10G12/CS 130V		1.18	25A19 CO		2.79	40G16.5C	2.57	1.32	LN60	30.55	
10G12/R 130V		1.79	25B10C/DL/BL	2.15		40G25C/RVL	4.15		72A/CAP 120V	6.51	

* While available



Wattage Coded Lamps

PRODUCT CODE	\$COL.1	\$COL.2
72A/CAP 130V	7.91	
75A/1SBIF*	15.40	
75A/HAL/CRYSTAL	10.13	
75A/RS	3.62	1.20
75A/RS/TF		1.61
75BT15/HAL/W	14.49	5.71
75G40/W	9.11	
75K19/DL	11.19	
75T10/1	26.15	
75T10/45	19.77	
90A/HAL	13.04	
100/300	7.79	
100A/HAL	9.34	
100ARS/CL		2.87

PRODUCT CODE	\$COL.1	\$COL.2
100ARS/TF		1.61
100A/RVL	2.04	
100A/Y	2.35	
100A21 130V	3.40	
100A21/SBIF	14.87	
100BT15/HAL/W	14.49	5.71
100G16.5/29DC		24.04
100G16.5/29SC		24.04
100G40/W	9.70	
100K19/DL	11.19	
100T8/1SC 20V (BZA)		24.04
125T10/P		24.55
150/99 130V	6.60	
150A23	4.23	

PRODUCT CODE	\$COL.1	\$COL.2
150A/RS		2.49
150BTT15/SW	13.57	5.71
150G40/W	12.98	4.11
150P25/2SB	25.13	34.08
150P25/10		33.68
150PS25/SB	15.83	30.64
LN150	20.32	
200ARS/TF		5.86
200PS25/99/XL	8.45	
200/SBIF*	13.64	
300	10.17	
300 130V	12.89	
300/IF	11.02	

PRODUCT CODE	\$COL.1	\$COL.2
300M/99 130V	13.19	
300M/IF/99/XL	16.53	
300M/IF	8.36	
300PS35/FR		3.94
500	21.45	
500/CL	17.34	
500/IF	24.43	
500/99/IF130V	37.23	
500/IFPS35	25.11	
500/SBIF*	30.37	
620PS40/P	38.94	
750PS52/CL		38.16
900T3/CL/16*	58.05	

EXIT SIGN LAMPS



PRODUCT CODE	VOLTS	WATTS	BASE	COL 1	COL 2
15T6 120V	120	15	E12	5.23	1.08
15T6 145V	145	15	E12	6.15	1.05
20T6.5DC	120	20	BA15d	13.70	1.29
20T6.5/DCF	120	20	BA15d	10.13	1.37
20T6.5/F	120	20	E12	8.45	1.29
25T6.5 130V	130	25	E12		1.29
25T6.5/DC	120	25	BA15d	9.26	1.29
25T6.5/DC/F	120	25	BA15d	12.83	1.71
25T6.5/F	120	25	E12	7.83	1.29
CF5DS/827		5	G23	2.62	2.02
CF7DS/827		7	G23	2.62	2.45
CF9DS/827		9	G23	2.62	2.45

Replace your current incandescent or fluorescent bulbs with these cost efficient LED bulbs and forget about them - they are **GUARANTEED** to last at least 5 years!

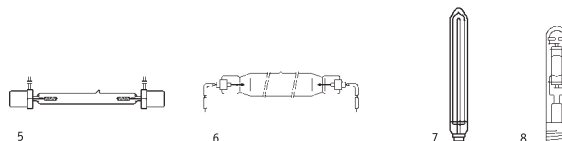
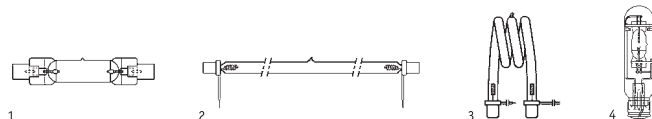
TCP LED RETROFITS	PRICE
TCP 40 Diode LED replacement Lamp	
2 Red Lamps with 4 Adaptors	25.76
2 Green Lamps with 4 Adaptors	39.76
Medium Adapter	1.20



Emergency Vehicle Lamps

MANUFACTURER MODEL	CODE	PRICE
Aerodynamic	JA12V55W H1	5.32
Aerotwin	7400	12.89
Code 3 Compact Traffic Buster	795	10.87
Code 3 Lo Pro	JA12V55W H1	5.32
Code 3 MX7000	JA12V55W H1	5.32
Co-Pilot Lights	64111	4.77
DashLaser	JA12V55W H1	5.32
Federal Signal Teardrop	JA12V55W H1	5.32
Federal Signal TwinSonic	7400	12.89
Firebeam	JA12V55W H1	5.32
Halogen Dyna-Lite	795	10.87
Halogen SVP Teardrop	795	10.87
Hi-Lighter	JA12V55W H1	5.32
JetSonic	795	10.87
JetStream	795	10.87
Mini-Jet	795	10.87
Nitetracker XL (1,000,000 CP)	12455	26.6
No-Sho Grille Lights	JA12V55W H3	5.32
Sho-Me Alternating Lights-Clear	4416	11.45
Sho-Me Color Grille Lights	JA12V55W H3	5.32
Sho-Me Lollipop Grille Lights	1156	1.53
Stainless Steel Grille Lights	JA12V55W H3	6.09
Streethawk	JA12V55W H1	5.32
TrafficBuster	JA12V55W H1	5.32
TrafficBuster All-Light	795	10.87
TrafficBuster Beacon	JA12V55W H1	5.32
Unity 250 (110,000 CP) 5"	4509	20.64
Unity 225 (160,000 CP) 6"	H7635	23.81
Visibar-Clear	7400	12.89

Graphic Arts Lamps



PRODUCT CODE	PRICE
1106-12*	114.29
1406-01*	228.57
1406-05*	257.14
1406-06*	157.14
GW114 see MHL-1000/1	
HPM 10B	204.17
HPM 12	283.84
HPM 13	222.36
HPM 15	138.05
HPM 17	338.41
HPM 19	311.10
HPM 20	311.10
HPM 20C	132.62
L1250	257.14
MP400T5.5/1.5Q3*	81.81

PRODUCT CODE	PRICE
MP2000T8/4R*	134.38
MP3000T8/6J*	282.66
MP3000T8/6R*	106.02
PAGA1200/1*	94.83
PAGA1200/2*	94.83
PXA44*	67.70
PXA45*	70.28
PXA80*	226.80
SAH250B	548.94
SOX E18 GE	64.64
SOX 35	146.63
SOX 55	147.73
SOX 90 GE	143.03
SOX 135	222.02
SOX 180	223.08

Figures may represent more than one lamp on this page.
See matching information on page 32.

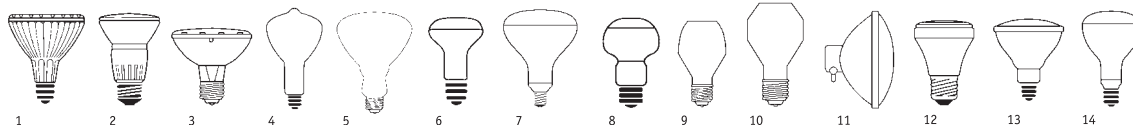
USHIO REPLACEMENTS

PRODUCT CODE	PRICE	PRODUCT CODE	PRICE
MHL-5KM NuArc KM5	231.69	MHL-450 Q402 Z4	76.60
MHL-33LY NuArc LY33	145.00	MHL-1000/1 NuArc GW114	55.00
MHL-38KT NuArc KT38	219.57	MHL-1403 1406-03	133.33
MHL-121HT NuArc HT121	178.57	MHL-2000/1 NuArc HT28	148.40
MHL-153LY NuArc MH153	157.14	MHL-2000/3	153.22
MHL-170L Olec L-1250	125.53	MHL-3001S THS 3000	123.40
MHL-170LR Olec L-1250R	175.71	MHL-5000/4 1406-04	125.00
MHL-261L Olec L-1261	249.86	MHL-5000/7 1406-07	125.00
MHL-280L Olec L-1280	291.50	MHL-5007*	205.00
MHL-281L Olec L-1281	291.50	MHL-5007S THS 5007	133.33
MHL-282L Olec L-1282	291.50		

* While available

Par, Flood & Spot Lamps

Figures may represent more than one lamp on this page.
See matching information on page 32.



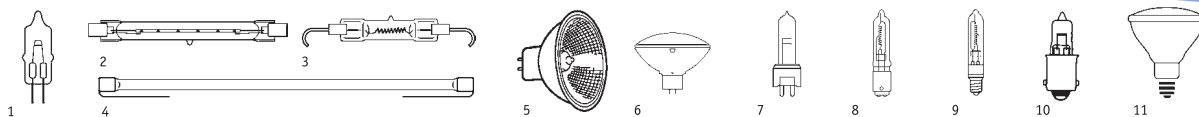
PRODUCT CODE	PRICE	PRODUCT CODE	PRICE	PRODUCT CODE	PRICE	PRODUCT CODE	PRICE
GE AND OSRAM SYLVANIA BRANDS							
25PAR36/NSP 12V	15.72	50PAR30L/H/WFL 120V	10.51	90PAR38HAL/3FL30 120V	28.57	300R40/FL 12V	82.47
25PAR36/WFL 12V	15.72	50PAR30L/HAL/FL25 130V	28.68	90PAR38HAL/FL30 120V	7.60	300R/FL120V	18.15
25PAR36/VWFL 12V	15.72	50PAR30LNHAL/NFL30 120V PH	8.19	90PAR38HAL/FL30 130V	9.30	300R/FL 130V	32.15
25R14N 120V	13.64	50PAR30LNHAL/NFL30 130V	9.47	90PAR38HAL/NFL25 130V	8.68	300R/SP 120V	23.45
25R14N 120V SY	2.03	50PAR30LNHAL/NSP9 120V	7.98	90PAR38HAL/SP9 120V	18.98	300R/3FL 120V	26.23
25R14N 130V Import	3.18	50PAR30LNHAL/NSP9 130V	9.47	90PAR38HAL/SP9 130V	22.32	300R/3FL 130V	43.57
25R14SC/SP 12V	16.81	50PAR30LNHAL/WFL50 130V	9.47	90PAR38HAL/WSP12 120V	7.81	Q500PAR56/MFL	49.77
30R20 120V	10.51	50PAR36/NSP 12V	29.96	90PAR38HAL/WSP12 130V	9.45	Q500PAR56/MFL SY	38.30
30R20 130V	14.09	50PAR36/VNSP 12V	13.40	90PAR38HAL/WFL50 130V	8.68	Q500PAR56/NSP	98.53
30R20/FL 130V Import	2.68	50PAR36/VWFL 12V	13.40	90PAR/H/FL25 120V	9.02	Q500PAR56/NSP SY	38.30
35PAR14HALFLRP	10.00	50PAR36/WFL 12V	13.40	90PAR/H/FL25 130V	8.38	Q500PAR56/WFL	98.53
35PAR16/CURIO	15.00	50PAR36/WFL/4 12V*	21.60	90PAR/H/SP10 120V	9.02	Q500PAR56/WFL SY	38.30
35PAR20HAL/NFL30 120V	8.83	50R20 120V PH*	11.56	90PAR/H/SP10 130V	10.83	500PAR64/MFL 120V	90.60
35PAR20HAL/NFL30 130V	20.17	50R20/A	4.33	90PAR/HAL/FL25 120V PH*	21.68	500PAR64/MFL 120V SY	34.72
35PAR20HAL/NSP10 120V	8.83	50R20/G	4.33	90PAR/HAL/FL25 130V PH*	26.00	500PAR64/NSP120V GE	81.94
35PAR20HAL/WFL400 120V	16.74	50R20/PL/1	11.32	100PAR/H/FL25 120V	8.45	500PAR64/NSP120V SY	35.40
35PAR20HAL/WFL40 130V	20.17	50R20/RVL	9.47	100PAR/H/FL25 130V	8.68	500PAR64/WFL 120V GE	81.94
35PAR36/H/NSP8 12V	25.47	52AHAL/F 120V	6.51	100PAR/HIR/FL25 120V	25.51	500PAR64/WFL 120V SY	34.72
35PAR36/H/VNSP5 12V	25.47	52AHAL/F 130V	7.91	100PAR/HIR/FL25 130V	28.23	500R/3FL 120V	38.94
40E14/120V/R50MM	5.86	60PAR16HAL/NFL30 120V	13.23	100PAR/HIR/FL40 120V	25.51	Q1000PAR64/MFL GE	142.54
40R14/N/RP 120V	4.71	60PAR16HAL/NFL30 130V	14.32	100PAR/HIR/SP10 120V	25.51	Q1000PAR64/MFL	65.77
40R14/N 120V	10.62	60PAR16HAL/NSP10 120V	13.23	100PAR/HIR/SP10 130V	28.23	Q1000PAR64/NSP GE	142.54
40R16/FL 120V GE	10.62	60PAR16HAL/NSP10 130V	14.32	100R20* 120-130V	2.47	Q1000PAR64/NSP	65.67
40R16/FL 120V SY	4.70	60PAR16/HAL/FL 120V	36.13	120BR/FL 130V	5.86	Q1000PAR64/WFL GE	142.54
42AHAL/F 120V	6.51	60PAR16/HAL/SP 120V	36.13	120ER40 120V	12.62	Q1000PAR64/WFL	65.77
42AHAL/F 130V	7.91	60PAR30HAL/NFL25 120V	10.17	120ER40 130V	14.21	EIKO PAR LAMPS 120 & 130 VOLTS	
45PAR16/HAL/NFL 120V	36.13	60PAR38HAL/FL30 120V	10.06	120ER40 130V Import	6.28	45PAR38/H/FL35	5.96
45PAR38HAL/FL30 120V	7.60	60PAR38HAL/FL30 130V	10.98	120PAR38HAL/SPL/FL30 120V	10.53	45PAR38/H/NSP8*	5.96
45PAR38HAL/SPL/FL30 130V	8.89	60PAR38HAL/SP9 120V	10.06	120PAR38HAL/SPL/FL30 130V	11.62	45PAR38/H/SP15	5.96
45PAR38HAL/WSP12 120V	7.60	60PAR38HAL/SP9 130V	10.98	120PAR38HAL/SPL/SP10 120V	10.55	45PAR38/H/WFL50	5.96
45PAR38HAL/WSP12 130V	8.89	60PAR/HIR/FL 120V	17.66	120PAR38HAL/SPL/SP10 130V	11.62	50PAR20/H/NFL25	5.96
45PAR38HAL/VWFL50 130V	22.07	60PAR/HIR/FL 130V	21.24	120PAR38HAL/SPL/WFL55 120V	10.51	50PAR20/H/SP15	5.96
45PAR38/H/FL 120V	7.83	60PAR/HIR/SP 120V	17.66	120PAR56/VNSP 12V	42.45	50PAR30/H/FL35	5.96
45PAR38/H/FL 130V	8.28	60PAR/HIR/SP 130V	21.24	125R40/1	10.81	50PAR30/H/NFL25	5.96
45PAR38/H/SP 120V	7.83	60PAR/HIR/WFL 120V	17.66	150PAR38/3SP/MINE 120V	19.91	50PAR30/H/SP15	5.96
45PAR38/H/SP 130V	8.38	60PAR/HIR/WFL 130V	21.24	150PAR38/3FL/120WM 120V	19.49	50PAR30LN/H/FL35	5.96
45R20/RVL	9.47	65BR30/FL 120V	9.62	200PAR46/3MFL 120V	38.04	50PAR30LN/H/NFL25	5.96
45R30/FL/LL	11.43	65BR30/FL 130V	12.40	200PAR46/3MFL 120V SY	22.47	50PAR30LN/H/SP15	5.96
50ER30 120V	9.15	65R30/PL/1	11.68	200PAR46/3MFL 130V	66.43	75PAR30/H/FL35	5.96
50PAR20HAL/NFL30 130V	9.19	65R/FL/RVL	10.54	200PAR46/3NSP 120V	38.04	75PAR30/H/NFL25	5.96
50PAR20HAL/NSP10 120V	8.04	72AHAL/F 120V	6.51	200PAR46/3NSP 120V SY	22.47	75PAR30/H/SP15	5.96
50PAR20HAL/NSP10 130V	9.38	72AHAL/F 130V	7.91	200PAR46/3NSP 130V	51.04	75PAR30LN/H/FL35	5.96
50PAR20HAL/WFL40 120V	16.74	75PAR16HAL/NFL30 120V	13.23	K250PAR38FL 120-130V	46.77	75PAR30LN/H/NFL25	5.96
50PAR20H/FL 120V	8.30	75PAR16HAL/NFL30 130V	14.32	K250PAR38SP 120-130V	46.77	75PAR30LN/H/SP15	5.96
50PAR20H/FL 130V	8.72	75PAR16HAL/NSP10 120V	13.23	Q250PAR38/SP10 120V	35.66	90PAR38/H/FL35	5.96
50PAR20H/SP 120V	8.30	75PAR16HAL/NSP10 130V	14.32	250BR40/1	11.21	90PAR38/H/NSP8	5.96
50PAR20H/SP 130V	8.23	75PAR38HAL/FL30 120V	9.19	250R40/1	8.98	90PAR38/H/SP15	5.96
50PAR30HAL/FL40 120V	8.26	75PAR38HAL/FL30 130V	9.91	250R40/4	29.30	90PAR38/H/WFL50	5.96
50PAR30HAL/FL40 130V	9.62	75PAR38HAL/SP9 120V	9.38	250R40/10	13.81	USHIO PRO-PAR	
50PAR30HAL/NFL25 120V	8.26	75PAR38HAL/SP9 130V	9.91	250R40/10 GE	20.91	50PAR20/SP	6.96
50PAR30HAL/NFL 130V	9.62	75PAR30HAL/FL40 120V	8.09	300PAR56/MFL 120V GE	34.79	50PAR30/FL	6.96
50PAR30HAL/NSP9 120V	8.26	75PAR30HAL/FL40 130V	9.19	300PAR56/MFL 120V SY	21.60	50PAR30/NFL	6.96
50PAR30HAL/NSP 130V	9.62	75PAR30HAL/NFL25 120V	8.09	300PAR56/MFL 130V PH	69.34	50PAR30/SP	6.96
50PAR30HAL/WFL50 120V	8.43	75PAR30HAL/NFL25 130V	9.19	300PAR56/MFL 130V	71.96	50PAR30LN/FL	6.96
50PAR30HIR/FL 120V	20.98	75PAR30HAL/NSP9 120V	8.25	300PAR56/NSP 120V GE	34.79	50PAR30LN/SP	6.96
50PAR30HIR/FL 130V	30.70	75PAR30HAL/NSP9 130V	9.38	300PAR56/NSP 120V SY	21.60	75PAR30/FL	6.96
50PAR30HIR/SP 120V	20.11	75PAR30H/FL25 120V	9.74	300PAR56/WFL 120V	44.91	75PAR30/SP	6.96
50PAR30H/FL35 120V	8.38	75PAR30H/FL35 130V	8.72	300PAR56/WFL 120V SY	21.19	75PAR30LN/NFL	6.96
50PAR30H/FL35 130V	8.72	75PAR30L/H/FL25 120V	10.51	300PAR56/WFL 130V	69.34	75PAR38/SP	6.96
50PAR30H/NFL 120V GE	8.38	75PAR30L/H/SP10 120V	10.51	300PAR56/WFL 130V SY	78.51	90PAR38/WFL	6.96
50PAR30H/NFL 130V GE	8.72	75PAR30L/H/WFL 120V	10.51				
50PAR30H/NSP10 130V GE	8.72	75PAR30LNHAL/FL25 120V	8.26				
50PAR30H/SP 120V GE	8.38	75PAR30LNHAL/FL25 130V	9.38				
50PAR30L/H/FL40 120V	10.58	75PAR30LNHAL/SP9 120V	8.26				
50PAR30L/H/WFL40 120V PH	23.58	75PAR30LNHAL/SP9 130V	9.38				
50PAR30L/H/FL40 130V	11.00	75PAR30LNHAL/WFL50 120V	8.09				
50PAR30L/H/SP 120V	10.51	75PAR30LNHAL/WFL50 130V	9.38				
		75R20 120V	12.53				
		85BR40/FL60 PH*	12.45				

“ It was a pleasure talking with you today. Thank you so much for all of your help. ”

- Sean R

* While available

“ It was a pleasure talking with you today. Thank you so much for all of your help. ”
- Sean B.



PRODUCT CODE	VOLTS	WATTS	FIG.	\$COL.1	\$COL.2
Q6.6AT2.5/1CL		45	3	57.98	
Q6.6A/T4/5CL		200	3	104.39	
Q6.6A/T4/DCR		200	8	103.17	
Q20A/PAR56/2		300		127.15	
Q10T3/CL	12	10	1	12.02	
Q20G9	120	20			11.49
Q20GU10/FL	120	20		9.57	
Q20GY8	120	20			10.54
Q20GY8/S	120	20			9.04
Q20T2.5/12V/CL	12	20	1	9.39	
Q20T4/CL/AX	12	20		14.36	
Q25G8/CD2	120	25		19.22	
Q25GY8	120	25			10.54
Q35DC	130	35	8		12.77
Q35G9	120	35			11.49
Q35GU10/FL	120	35		9.57	
Q35GY8	120	35			10.54
35MR16/B/SP10	12	35		11.09	
Q35MR16/CG/35K/10	12	35	5		14.79
Q35MR16/CG/35K/17	12	35	5		14.79
Q35MR16/CG/35K/24	12	35	5		14.79
Q35MR16/CG/35K/36	12	35	5		14.79
Q35MR16/CG/41K/10	12	35	5		14.79
Q35MR16/CG/41K/17	12	35	5		14.79
Q35MR16/CG/41K/24	12	35	5		14.79
Q35MR16/CG/41K/36	12	35	5		14.79
Q35T3	6	35			4.47
Q35T3/CL	12	35	1	9.39	
Q50DC	130	50	8		10.54
Q50DC/F	130	50			12.37
Q50G9	120	50			11.49
Q50GU10/FL	120	50		9.57	
Q50GU10/FL/RVL	120	50		18.08	
Q50GY8	120	50			10.54
Q50MC	130	50	9		10.54
50MR16/HIR/NFL25	12	50		34.79	
50MR16/Q/20/TL	12	50	5	14.89	
50MR16/Q/40/TL	12	50	5	27.30	
50MR16/T/NSP10 EXT	12	50		13.62	
Q50MR16/CG/35/10	12	50	5		14.79
Q50MR16/CG/35/17	12	50	5		14.79
Q50MR16/CG/35/24	12	50	5		14.79
Q50MR16/CG/35/36	12	50	5		14.79
Q50MR16/CG/41/10	12	50	5		14.79
Q50MR16/CG/41/17	12	50	5		14.79
Q50MR16/CG/41/24	12	50	5		14.79
Q50MR16/CG/41/36	12	50	5		14.79
Q50MR16/CG/47/10	12	50	5		14.79
Q50MR16/CG/47/17	12	50	5		14.79
Q50MR16/CG/47/24	12	50	5		14.79
Q50MR16/CG/47/36	12	50	5		14.79
Q50T3/CL	12	50	1	9.39	
Q50T3/CL 80MM	120	50	2		5.32
Q75CL/DC	28	75	8		14.64
Q75CL/DC	120	75	8		4.68
Q75CL/E14*	110/130	75			23.30
Q75CL/MS E10	28	75	9		14.64
Q75CL/MC	120	75	9	39.24	
Q75DC	130	75	8		10.54
Q75DC/F	130	75	8		9.58
Q75GY8	120	75			10.54
Q75MC	120	75	9		4.68
Q75MC 130V	130	75	9		9.58
Q75T3/CL 80MM	120	75	2		5.32

PRODUCT CODE	VOLTS	WATTS	FIG.	\$COL.1	\$COL.2
Q75T4/CL	12	75	1	12.03	
Q100CL/DC	120	100	8	39.24	4.26
Q100CL/MC	120	100	9	39.24	4.68
Q100DC	120	100	8	42.03	4.68
Q100G9	120	100			10.11
Q100GY8	120	100			7.93
Q100GY8.6	120	100			8.51
Q100MC	130	100	9	42.03	4.68
Q100T3/CL	12	100	1	16.56	
Q100T3/CL	24	100	1	14.30	
Q100T3/CL	120	100	2	18.24	2.60
Q100T4/CL	12	100			2.60
Q150CL/DC	130	150	8	45.02	4.68
Q150CL/MED	120	150			12.45
Q150CL/E14	120	150			23.30
Q150/MC	130	150	9		7.93
Q150T3/CL 78mm	120	150	2	22.49	
Q150T3/CL 117mm	120	150	2	22.49	2.60
Q150T4/CL	25	150	2	92.79	10.64
Q200T3/CL	120	200	2		2.60
Q200T3/CL	220	200	2		5.25
Q200W/S 80MM	120	200	2		2.30
220T4Q/2PPF	22	220		15.19	
235T4Q/2PPF	33	235		13.19	
Q235T4/3	33	235	7	28.72	17.00
Q250CL/DC	130	250	8	40.03	2.54
Q250CL/MC	120	250	9		2.54
Q250CL/MC	130	250	9	40.03	4.34
Q250PAR38/FL	120	250	11	45.79	
Q250PAR38/SP	120	250	11	45.79	
Q250T3/CL	120	250	2	22.60	2.60
Q250W/S 80MM	120	250	2		2.60
Q300T3/CL	130	300	2		2.60
Q300T3/CL	220	300	2		2.60
Q350T3/CL/HIR	120	350		32.64	
Q500CL/DC	120	500	8	60.41	5.60
Q500CL/MC	130	500	9		5.60
Q500DC/F	130	500	8		12.77
Q500PAR56/MFL SY	120	500	6	38.30	
Q500PAR56/MFL	120	500	6	49.77	
Q500PAR56/NSP SY	120	500	6	38.30	
Q500PAR56/NSP	120	500	6	98.53	
Q500PAR56/WFL SY	120	500	6	38.30	
Q500PAR56/WFL	120	500	6	98.53	
Q500T3/CL	120	500	2		2.60
Q500T3/IR/7	120	500	2	50.94	
Q900T3/CL/HIR	240	900		87.14	
Q1000PAR64/MFL GE	120	1000	6	142.54	
Q1000PAR64/MFL	120	1000	6	65.77	
Q1000PAR64/NSP GE	120	1000	6	142.54	
Q1000PAR64/NSP	120	1000	6	65.77	
Q1000PAR64/WFL GE	120	1000	6	142.54	
Q1000PAR64/WFL	120	1000	6	65.77	
Q1000T3/CL	220	1000	2		2.60
Q1500T3/CL	208	1500	2		2.60
Q1500T3/CL	240	1500	2	32.09	3.17
Q1500T3/CL	277	1500	2	32.66	3.05
QH375T3/CL	115/120	375	4	56.68	27.96
QH500T3/7	120	500	2	60.37	29.73
QH500T3/CL	120	500	4	89.90	29.73
QH1000T3	200-220	1000			38.49
QH1000T3/2CL	240	1000	4		38.49
QH1000T3/CL	230	1000	4	72.45	
QH1000T3/CL/1	230	1000	4	97.24	
QH1200T3/CL	144	1200	4	116.66	38.49
QH1200T3/CL/HT	144	1200		145.64	
QH1600T3/CL	230-250	1600	4	142.82	52.51
QH2500T3/CL	460	2500	4	167.53	70.05

* While available



USHIO - the #1 specialty lighting manufacturer, offers the broadest array in the world of Scientific-Medical lamps for all applications. The highest quality, in-stock lamps anywhere.

PRODUCT CODE	VOLTS	WATTS	BASE	PRICE
AUDIO VISUAL/STAGE STUDIO/MISC				
EJA	21	150	GX5.3	11.70
EKE	21	150	GX5.3	11.28
EKE/L	21	150	GX5.3	15.11
HPL 375/115X	115	375	Heat Sink	31.91
HPL 575/115V	115	575	Heat Sink	28.72
HPL 575/115X	115	575	Heat Sink	23.40
HPL 575/120V	120	575	Heat Sink	23.40
HPL 750/115X	115	750	Heat Sink	23.40
JC6V30W	6	30	G4	7.45
JC24V150WL-H	24	150	G6.35	15.96
JCD24V60W/BA15d	24	60	BA15d	16.17
JCD120V300WC	120	300	GY9.5	15.26
JCR/M12V75W/HO	12	75	G5.3-4.8	18.62
JCR/M14V35W	14	35	GZ4	19.66
JPD25V150WG1	25	150	R7s	12.66
MEDICAL LAMPS				
16678	24	50	BA22d	17.96
18566	22.8	50	G6.35	11.70
39-01-58	6	30		24.15
74000	24	120	X514	19.15
77458	115	30	BA15d	13.09
78595	120	20	BA15d	11.47
8C102	6-8	30	P29t	18.09
8C103	6-8	15		21.28
8G101	6	5	E10	9.36
8G102	6	10	E10	10.11
8M102	3-6	12	BA15s	15.43
900-930	6	27	P44s	18.30
A101028	24	40	E11	40.43
B101028	24	50	G8	24.47
B501132	24	100		22.55
CAX	130	50	BA15d	5.11
CAX HALOGEN	130	50	BA15d	20.74
CZ907-22	22.8	250	G6.35	28.72
CZ908-22	22.8	150	G6.35	28.72
FC72T4	33	10.9	G5	41.96
FCB74L/WW	50	6	G10q	93.51
G4T5		4	G5	9.04
G30T8		30	G13	19.68
GTL3	12	3	E17	12.23
H2000	22.8	50	G6.35	18.30
P129249-001or Q235T4/3	33	235	GY9.5	17.00
SHL-50AC1	39-45	50		192.00
SHL-50AC2	34-39	50		166.68
USH-102D	20	100		114.45
USH-102DH	20	100		114.45
USH-103D	20	100		123.56
UXL-75XE	12.5	75		170.00
UXL-150M-O	17.5	150		209.23
UXL-S150M-O	17.5	150		315.15
UXR-300BU	14	300		428.57
UXR-300CU	14	300		412.86
UXR-MT Timer				56.00
VAC 175-F-C	14	175		399.38
VAC 300-F-C5	14	300		367.69

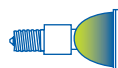
PRODUCT CODE	VOLTS	WATTS	BASE	PRICE
LCD PROJECTION LAMPS				
UMR-6102545609		200		368.00
UMR-6102576269		180-200		274.00
UMR-6102590562		200		393.00
UMR-6102595291		400		538.00
UMR-6102607208		160		286.25
UMR-6102641196		200		293.00
UMR-6102641943		250		305.00
UMR-6102658828		120		374.00
UMR-6102763010		150		443.00
UMR-6102795417		150		407.50
UMR-6102806939				393.00
UMR-6102822755				393.00
UMR-6102854824				418.00
UMR-6102875379				405.00
UMR-6102907698				249.00
UMR-6102924848		200		374.00
UMR-6102932751				403.00
UMR-6102973891				405.00
UMR-6102983135				443.00
UMR-6103000862		250		405.00
UMR-6103017167		275		405.00
UMR-6103055602		250		399.00
UMR-6103065977		300		393.00
UMR-6103077925		200		411.25
UMR-6103083117				311.25
UMR-6103092706				405.00
UMR-6103252940				409.00
UMR-6450047763		125		243.00
UMR-ELPLP04		150		561.25
UMR-LP620BX		300		374.00
UMR-LP740B				616.25
UMR-LT81/100		280		505.00
QUARTZ INFRARED HEAT LAMPS				
QIH120-500/S	120	500		39.00
QIH120-500T3/7	120	500		23.40
QIH120-500T/S	120	500		39.00
QIH240-1000/S2	240	1000		38.30
QIH240-1000T	240	1000		54.19
QIH115-1350/L	115	1350		49.62
QIH230-1500/E	230	1500		66.74
QIH225-1500/S	225	1500		35.11
QIH144-1600/S	144	1600		46.81
QIH240-1600/S	240	1600		38.30
QIH240-1600T/L	240	1600		62.62
QIH240-2000/S2	240	2000		99.30
QIH240-2000/VS	240	2000		70.21
QIH240-2000/VZD	240	2000		89.81
QIH480-2500/VS	480	2500		65.09
QIH240-3000/S	240	3000		110.64
QIH570-3800/S	570	3800		125.53



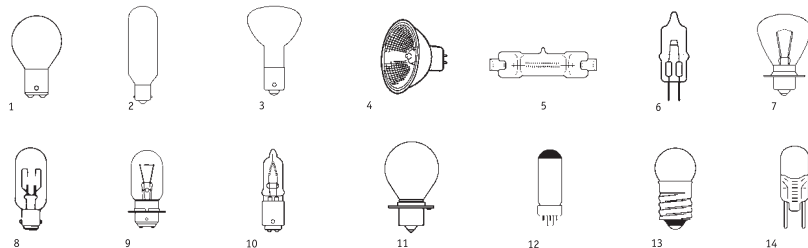
74000



P129249-001



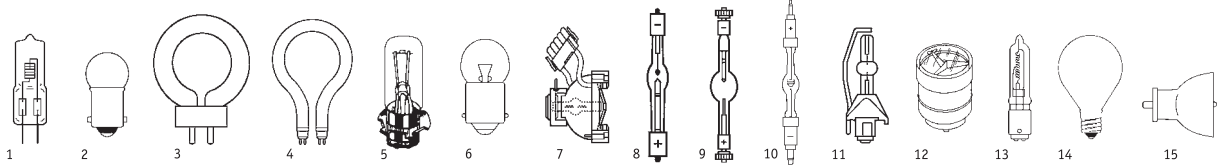
Medical/Scientific Lamps



Figures may represent more than one lamp on this page. See matching information on page 32.

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2	PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2	PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
BAK	4	.75A		4.55	EPV	14.5	90	13.89	19.12	774	12	8	14.66	
BFM*	120	25		13.07	EPZ	13.5	50	12.77	18.63	778	6	20	9.47	
BHB	120	250	36.28	33.15	EPZ Philips	13.5	50	33.62		782	12	1.66A	10.23	
BLC	120	30	6.72	3.57	ESA/FHD	6	10	4.53	4.95	783	12	12	8.49	
BLK*	120	30	10.11		ESB/FHE	6	20	4.46	4.67	784	6	6	8.38	
BLX	120	50		4.90	ESD	120	150	35.07	26.93	785	6	8	8.38	
BMV	120	100		11.95	ESL	120	150	13.79	13.67	786	6	12	8.38	
BNF	120	75		6.19	ESN	120	100	22.66	11.93	787	6	10	8.49	10.47
BRK	4	.75A		4.33	ESN Osram Sylvania	120	100	13.57		788	6	20	8.49	10.47
BRL	12	50	4.55	4.07	ESP	120	150	22.66	11.43	789	12	14	9.26	10.47
BXE	10	7.5A		4.52	ESP Osram Sylvania	120	150	14.11		790	14	25	9.26	
BXT	12	100		12.90	ESR	120	100	22.66	11.13	791	14	35	9.26	
BZA (100T8/1SC)	20	100		25.31	ESR Osram Sylvania	120	100	14.11		795	12.8	50	10.87	5.49
BZW*	115/125	50	11.19		ESX	12	20	4.50	3.17	809M	70	.12A		6.26
CAS/CAV	120	50	POR		ESY	100	150		15.71	812*	6.5	1.7A		17.05
CAX/CAW 120V	120	50	6.38	4.96	ETC	120	150	14.74	9.84	881	12	2.1A	8.21	
CAX/CAW 120V SY	120	50	12.23		ETD	120	100	13.57	13.21	1003	12.8	.94A	1.47	.52
CAX/CAW 130V	130	50	10.44	5.11	ETE	120	100		12.24	1047	26	2.7A		2.53
CAX-HALOGEN	130	50	12.23	20.74	ETJ	120	250	15.13	17.95	1096	6	4.5A		11.02
CDD	120	100	18.41	10.13	EVA	12	100	5.74	8.77	1129	6.4	2.63		.92
CDS/CDX	120	100		13.11	EVB/BRJ	15	150	4.33	10.42	1133	6.2	3.91	2.96	1.11
CXY	120	300		26.43	EVC/FGX	24	250	5.32	11.47	1152	12.8	1.34A	9.72	.61
DDJ/DZZ	10	80		17.59	EXN	12	50	4.50	3.49	1156	12.8	2.10A	1.53	.52
DDL	20	150	11.12	10.57	EXT	12	50	4.50	3.49	1183	5.5	6.25A		2.00
DDP*	22	132		12.58	EXT/FG	12	50	17.44	4.69	1209*	6.1	4.1A		9.38
DFT	120	1000		32.90	EXZ	12	50	4.50	3.28	1240	32	3.6A		3.20
DNE	120	150	36.28	42.81	EZE	82	150	17.17	23.70	1251	28	.23A	3.00	.87
DNE Osram Sylvania	120	150	17.28		EZK	120	150	20.34		1434	3.7	2.75A	21.87	13.28
DNF	21	150	28.54	20.79	FAD	120	650	16.83	16.80	1460	6.5	2.75A		4.79
DNF Osram Sylvania	21	150	17.45		FCR	12	100	4.98	5.07	1460X	6.5	2.75A	11.53	5.00
DTA	120	1500	68.28	68.67	FCS	24	150	3.45	4.23	1468X	6	4.5A		7.36
DZA	10.8	30	29.49	14.24	FDT	12	100	12.13	9.26	1489	6.5	2.75A		9.19
DZE/FDS	24	150	14.76	9.41	FDV	24	150	14.43	9.70	1493	6.5	2.75A	5.64	.52
EFM	8	50	15.58	20.78	FDX*	12	100		13.21	1507	12.5	3.0A		7.34
EFN	12	75	15.58	17.58	FTD	12	20	6.51	4.65	1561	6.3	4.0A		19.92
EFP	12	100	15.12	17.69	FTD GE	12	20	17.44		1565	5.1	1.75A		17.68
EFR	15	150	14.08	14.27	FTE	12	35	6.62	6.26	1591	28	.61A		.66
EHE	12	100	19.89		1X	12	5		2.11	1594	6	5A		1.76
EHJ	24	250	4.61	6.87	14	2.47	.3A		.52	1612	5.4	1.9A		3.21
EHT	120	250	15.89	11.83	64	7	.63A		.55	1619	6.7	1.9A	6.91	1.74
EJA	21	150	13.55	13.74	73	14	.08A		.55	1630	6.5	2.75A	8.32	5.79
EJL	24	200	12.14	16.46	87	6.8	1.91A		.55	1631X	6.5	2.75A		6.09
EJM	21	150	12.14	18.12	157	5.8	1.1A	5.49	2.11	1634	20	1.01A	15.66	5.36
EJV	21	150	13.23	15.84	199	12	25		.68	1638	28	1.02A	7.36	1.55
EJY	19	80		23.37	222	2.25	.25A	1.76	.52	1649	6.5	2.75A		7.62
EKE	21	150	12.92	11.10	233	2.33	.27A		.97	1662	28	.93A	12.60	.82
EKP/ENA	30	80	21.50	21.90	238	6.3	.5A		1.18	1680X	6	4.1A	8.66	2.85
EKZ	10.8	30	28.46	16.83	252	2.5	.35A		1.71	1731*	6.3	6.6A	21.64	
ELC	24	250	12.79	12.66	253X	2.5	.35A		4.47	1763	6.1	4.1A		5.11
ELC 64653HLX	24	250	11.17		316	6	.7A	3.34		1874*	3.7	2.75A		5.49
ELH	120	300	11.95	12.07	325	3	.19A		2.68	1876	3.5	2.5A		14.30
ELZ	21	150		24.21	327	28	.04A	1.03	.52	1974	6	3.33A	85.73	
EML	24	175	13.13	15.26	328	6	.2A	1.05	.68	2017	14	50	19.32	
ENH	120	250	13.23	15.89	345	6	.04A		.68	2331	5.9	4.66A		4.47
ENL	12	50	12.14	12.52	349	6.3	.2A		.68	2604X	5	2A	37.45	
ENW/ENC	19	80	36.22	21.42	365	3.69	.5A		2.13	5627	24	5		1.92
ENX	82	360	10.15	10.57	394	12	.04A		.63	5761	6	30	7.98	
ENZ	30	50	22.92	18.89	605	6.15	.5A	2.39	.58	5972	6	10	8.94	
EPN	12	35	29.49	16.24	767	6	12	25.07		6251*	6	5		2.55
EPT	10.8	42	22.60	19.59	773	12	8	17.00		6423 EFR	15	150	14.08	

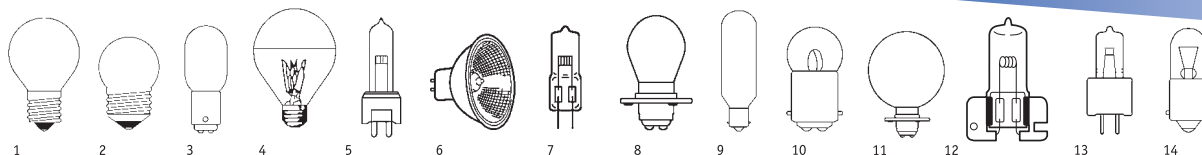
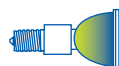
* While available



Figures may represent more than one lamp on this page. See matching information on page 32.

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2	PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2	PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
6428	12	3		2.49	64627 HLX EFP	12	100	15.12		FCB74L/D	50	6		100.51
6550 EVB/BRJ	15	150	4.33	10.42	64628 HLX FDT	12	100	12.13		FCB74L/WW	50	6		93.51
6605	6	10	6.92		64633 HLX EVB/BRJ	15	150	4.33		G4T5	4		22.94	15.15
6834 EFP	12	100	15.12	17.69	64634 HLX EFR	15	150	14.08		G4T5/OF	4		8.98	
6839C ETA	12	100	29.60		64640 HLX FCS	24	150	3.45		G6T5	6		22.94	15.74
6844	6	18		4.15	64641	24	150	15.43		G6T5/OF	6		5.87	
6853 EFN	12	75	15.58	17.58	64642 HLX FDV	24	150	14.43		G8T5	8		20.21	14.85
6899	22.8/24	55	25.43		64643 DZE/FDS	24	150	14.76		G8T5/OF	8		7.23	
6958 EVC	12	100	7.55		64650	22.8	50	15.60		G10T5L	10			35.43
7023 FCR	12	100	4.98		64653 HLX ELC	24	250	11.17		G10T8	10		28.19	22.36
7027 BRL	12	50	4.55		64655 HLX EHJ	24	250	4.61		G10T8/OF	10		10.38	
7158 FCS	24	150	3.45		64657 HLX EVC	24	250	5.32		G15T8	15		23.81	25.00
7387 ESA	6	10	4.53		A1C	125	.14		.55	G25T8	25		21.28	19.68
7388 ESB	6	20	4.46		B1A	125	.04	1.74	.82	GTL3	3		10.64	
7420	6	15		2.66	B2A	125	.14	1.74	.82	H2000	22.8	50		18.30
7577	6	25		6.92	B9A	120	2.4		1.16	HBO 50W/AC/L1	39-45	50	127.50	
7724 EVA	12	100	7.55		CF5DS/841		5	2.62	2.45	HBO 50W/AC/L2	34-39	50	127.50	
7748 EHJ	24	250	4.61		EI-77Z	6	15		12.77	HBO 50W/3	22	50	145.23	
8001	6	4.35A		9.20	EI-722	120	30		5.60	HBO 100W/2	20	100	115.63	
8005 BRK	4	.75A		4.33	EI-737	6	3A		8.45	HBO 103W/2	22	100	123.08	
8013	6	10	37.77	7.34	EI-738	6	5A		28.98	HBO R 103W/45	22	100	510.87	
8014	6	10		7.34	EI-886	120	20		7.47	HBO 200W/DC TM	61	200	221.43	
8017	6	15	38.19	7.34	EI-2201	115	20		5.09	HBO 200W/DC	57	200	250.00	
8018	6	15	15.23	8.81	EI-71818	10	70		17.45	HBO 200W/4	61	200	240.43	
8022	12	50		11.81	EI-74000	24	120		14.37	HBO 202W/4	61	200	230.87	
8024*	12	40		11.77	EI-76907	6	15		6.45	HBO 350W	60-75	350	264.00	
8025*	6	30		14.62	EI-77903	6	15		10.09	HSR 400W/60	67	400	358.66	
8025BL	6	30		97.88	EI-77904	6	30		6.79	HSR 700W/60	72	700	394.01	
8029*	15	60		11.77	EI-77910	6	15		7.34	HTI 150W	90	150	180.85	
8032*	12	100	47.40		EI-B153	120	20		11.03	HTI 250W/22	45	270	311.66	
8100	6	5A	37.32	9.20	EI-M102	3 to 6	2A		6.11	HTI 250W/32	45	270	300.00	
8128*	6	30	18.79		EI-M103	6 to 9	2A		6.22	HTI 250W/32C	45	270	321.57	
13165	14	35	26.43		EL-1B	13.5	4A		8.45	HTI 250W/32-MODI	45	270	393.58	
13298	10	52	32.98		EL-2B	8	12		4.24	HTI 250W/SE	45	270	246.50	
13347W	6	15	30.86		EL-3B	8	12		4.58	HTI 400W/24	55	400	265.49	
13865*	12	75	26.70		EL-4B*	10	7		12.09	HTI 403W/24	55	400	340.70	
62138 HLX*	12	100	7.45		EL-12B	6	15		6.79	HTI 600W/SE	95	600	286.67	
64150	12	55	20.54		EL-38	8	15		7.34	JA12V55WD	12	55		5.81
64151	12	55	3.72		F4T5/BL	4			2.11	JC6V10WH3/G4	6	10		6.36
64152	12	100	10.28		F4T5/BLB	4		28.28	8.81	JC6V15W	6	15		3.87
64173	12	55	17.03		F4T5/CW	4		10.13	2.11	JC6V30W/G4	6	30		7.45
64222	6	10	30.22		F4T5/D	4			1.81	JC12V20W/G4	12	20		2.58
64223*	6	10	12.81		F6T5/BL	6			3.43	JC12V20WH20 G6.3512	20			2.39
64225 HLX ESA/FHD	6	10	4.53		F6T5/BLB	6	32.30		8.81	JC12V50W C-6	12	50		2.45
64250 HLX ESB/FHE	6	20	4.46		F6T5/CW	6	8.79		2.11	JC12V50WG/1.0	12	50		2.66
64251 HLX	6	20	24.47		F6T5/D	6	12.00		2.11	JC12V50WH20	12	50		1.70
64260	12	30	17.87		F8T5/BL	8			2.11	JC12V100WS*	12	100		23.94
64261	12	30	14.51		F8T5/BLB	8	28.28		9.77	JC24V150WL-H	24	150		15.96
64415	12	10	3.47		F8T5/CW	8	7.21		2.11	JC24V300W-H	24	300		20.96
64425	12	20	3.47		F8T5/D	8	14.62		2.11	JCD24V60W/BA15D	24	60		16.17
64425AX	12	20	3.60		F13T5/CW	13	10.94		4.02	JCD28V70W/FR	28	70		17.85
64440	12	50	3.47		F14T8/CW	14	14.68		1.60	JCD28V75WGB	28	75		18.62
64458AX	12	90	10.57		F14T8/D	14	16.51		1.60	JCD100V300WL*	100	300		23.94
64486FR	120	100	34.45		F14T12/CW	14	9.40			JCD120V150WB	120	150		13.83
64607 EFM	8	50	15.58		F14T12/D	14	12.32			JCD120V300WC	120	300		15.26
64609	12	50	29.79		F15T8/CW	15	7.68		2.98	JCD120V300W/CP	120	300		17.09
64610 HLX BRL	12	50	4.55		F15T8/D	15	11.53		3.49	JCD120V300WC/LP	120	300		23.94
64611 HLX	12	50	7.60		F20T12/BB	20	34.47			JCR/M 6V15W/FG	6	15		19.68
64613 HLX	12	75	35.11		F20T12/BLB	20	44.87			JCR/M 12V50W	12	50		23.94
64615 HLX EFN	12	75	15.58		F20T12/WW	20	9.09			JCR/M 12V75W/HO	12	75		18.62
64617	12	75	19.15		F30T12/D/RS	30	10.94			JCR/M 12V100W	12	100		28.77
64621 HLX	12	100	20.17		FBO16/865XP	16	28.96			JCR/M 14V35W	14	35		19.66
64623 HLX EVA	12	100	5.74		FC72T4	33	10.9		41.96	JPD25V150WG1/R7s	25	150		12.66
64624	12	100	28.19		FC72T5	45	15		41.96	LN60	120	60		30.55
64625 HLX FCR	12	100	4.98		FC8T9/D	22	17.11		3.62	PE-150BF	150	433.75		
64626 HLX EHE	12	100	19.89		FCB74L/CW*	50	6		100.51	PE-175BF	175	395.00		

* While available



Figures may represent more than one lamp on this page. See matching information on page 32.

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
PE-300BF		300	395.00	
PE-300C-10F		300	670.00	
Q75CL/DC 28V	28	75		14.64
Q75CL/MS 28V E10	28	75		14.64
Q100T3/24V/CL	24	100	14.30	
Q150T4/CL 25V R7s	25	150	92.79	10.64
Q220T4/2PPF	22	220	15.19	
Q235T4/3 33V	33	235	28.72	17.00
SAH250B	42	250	548.94	
SD10	120	125		24.55
SHL-50AC1	39-45	50		192.00
SHL-50AC2		50		166.68
TB20	120	20		29.58
USH-102D	20	100		114.45
USH-102DH	20	100		114.45
USH-103D	20	100		123.56
USH-200DP	57	200		161.67
UXL-75XE	12.5	65		170.00
UXL-150M-O	17.5	150		209.23
UXL-S150M-O	17.5	150		315.15
UXL-150P-O	20	150		276.92
UXL-150S	20	150		242.42
UXL-150S-O	20	150		208.00
UXL-151H	20	150		215.91
UXL-151H-O	20	150		230.77
UXL-152H	20	150		272.73
UXL-152H-O	20	150		276.92
UXL-302-O	20	300		246.15
UXL-451-O	18	450		590.91
UXR-300BU	14	300		428.57
UXR-300BU w/ Timer	14	300		470.57
UXR-300CU	14	300		412.86
UXR-MT Timer				56.00
VAC 175-F-C	14	175		399.38
VAC 300-F-CS	14	300		367.69
VAC 300-F-CS w/Timer				409.69
XBO 75W/2	14	75	225.82	
XBO 75W/2OFR	14	75	231.02	
XBO 100W/OFR	14	100	342.02	
XBO 150W/1	20	150	267.40	
XBO 150W/1OFR	20	150	277.18	
XBO 150W/4	20	150	386.26	
XBO 150W/CR OFR	17.5	150	276.10	
XBO 150W/S	20	150	405.07	
XBO 300W/OFR*	20	300	467.19	
XBO 450W	18	450	420.14	
XBO 450W/OFR	18	450	490.84	
XBO 450W/1	18.5	450	507.08	
XBO 450W/2OFR	18	450	460.95	
XBO 450W/4	18	450	566.67	
6S6/DC 120V	120	6	3.83	.95
7C7/A 130V	130	7		1.24
10S6/10	250	10	5.85	1.76
10S11N	120	10	7.49	2.00
10S11N/F	120	10	4.19	2.87
15S11/13	120	15	4.11	1.82
15S11/87	120	15		2.32
15S11/102CL	120	15	4.17	2.37
15S11/102/IF	130	15		2.79
15S11/IF	120	15		2.87
15T6	120	15	5.23	1.08
15T7/DC	120	15	4.34	1.26
15T7/N	120	15	4.60	1.26
15T8C	120	15		1.98
20S11 E26 CL	130	20		1.76
25R14N	120	25	2.03	3.18

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
25S11/2C	120	25	7.32	1.39
25S11/5C	120	25	7.68	1.03
25T8DC	120	25	5.17	1.21
25T8/SCP	6	25		17.00
25T10/F	120	25	5.55	1.55
30S11 120V	120	30		6.75
100A21/SBIF	120	100	14.87	
100G16.5/29DC	120	100		24.04
100G16.5/29SC	120	100		24.04
100T8/1SC BZA	20	100		24.04
125T10P	120	125		24.55
150P25/10	120	150		33.68
150P25/2SB	120	150	25.13	34.08

MEDICAL MFG #/MODEL

ABBOTT				
1366-24	12	100	12.13	9.26
14110-025	8	50	15.58	20.78
8520-12	8	50	15.58	20.78
9085-000	12	55	20.54	
Spectrum 2	10	80		17.59

ACMI/CIRCON				
DNF	21	150	28.54	20.79
EKE	21	150	12.92	11.10
FCB96	21	150	13.55	13.74
LA300-20	14	300	395.00	367.69
MV9086B	14	300	395.00	367.69

ACCU-SCOPE				
3370	6	15		19.68

ACUFEX				
013849	14	300	395.00	367.69

ADC				
Miller #2 Blade	2.5			3.19

ADEL				
2112	28	70		17.85

AINSWORTH				
Balance	6.8	1.91A		.55

AIRSHIELD/HEALTHCO				
17 807 45	12	50	4.50	3.28
17 806 61			34.47	
17 806 94			10.94	
43 003 65			13.23	15.89
43 004 70			11.12	10.57

AIT				
501	6	4.1A	8.66	2.85

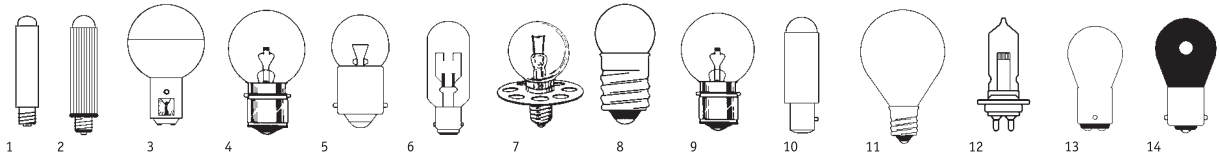
ALM/CHICK				
ECA001	24	120		12.75
ECA002	24	120		14.37
ECL0001	23	100		38.15
H6950	24	120		14.37
74000	24	120		14.37
79330	24	150	3.45	4.23
701256	12	100	10.57	

AMERICAN DIAGNOSTIC				
5211-4	2.5			4.68

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
AMES				
Clinitek 200+	10.8	30	28.46	16.83
AMSCO				
93902-608	22	50		
P129249-001	33	235	28.72	17.00
P129357-106	33	235		160.34
P129362-228	22.8	220		20.25
P84079-003	120	150	14.74	9.84
P84079-033	120	150	22.66	11.43
P150P25/2SB	120	150	15.83	30.64

AO-REICHERT				
334*	6.5	1.7A		17.05
335*	6.5	1.7A		17.05
360	6.5	2.75A	5.64	.52
375	120	100		24.04
569	6	20	9.47	10.47
581	6	4.5A		7.36
602	120	100		11.95
611	120	15	4.17	2.37
621	120	15	4.60	1.26
623	120	15	4.17	2.37
624	6	10	4.53	4.95
626	120	15	4.11	1.82
634	2.5	.35A		1.71
649	53	200		161.67
651	6	15	30.86	
655C	6	10	4.53	4.95
1005	120	6	3.83	.95
1033	6.5	2.75A		4.79
1096	6	4.5		11.02
1120	6	20	4.46	4.67
1121	6	20	9.47	10.47
1180	19	80		23.37
1182	19	80		23.37
1468	6	4.5A		7.36
1493	6.5	2.75A	5.64	.52
2052	12	100	4.98	5.07
2055	34-39	50	127.50	192.00
2509	5.8	1.1A	5.49	2.11
6014	130	50	10.44	5.11
10407	120	6	3.83	.95
10409	250	10	5.85	1.76
10454	6.15	.5A	2.39	.58
10462	6.3	.5A		1.18
11002	120	15		1.98
11063	6.5	2.75A		4.79
11143	6	20	4.46	4.67
11148	6	20	4.46	4.67
11154		4	28.28	8.81
11163	120	10	7.49	2.00
11176	130	50	10.44	5.11
11211	120	15		5.49
11231	6.5	2.75A	5.64	.52
11405*	2.5			42.19
11496	2.7	.45A		28.13
11581	6	4.5A		7.36
11583*	7.5	1.65		2.03
11594	6.5	2.75A		7.62
11807	6	4.5A		11.02
12419	6	.2A	1.05	.68
12533	6	4.5A		7.36
12563	6	20	4.46	4.67
12603	120	15		2.32
12604	120	10	7.49	2.00

* While available



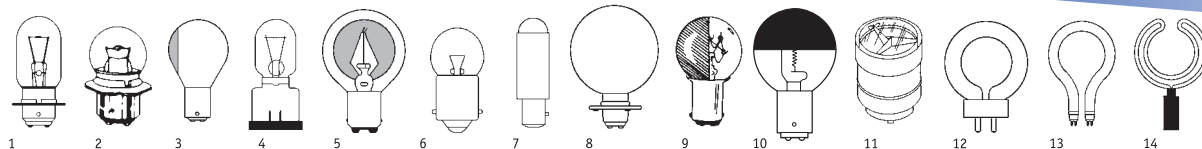
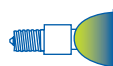
Figures may represent more than one lamp on this page. See matching information on page 32.

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
12610	120	15	4.34	1.26
14110-025	8	50	15.58	20.78
666162	120	15	4.17	2.37
70255*	6	15		51.09
86-00-14	61	200		161.67
86-00-16	20	150		242.42
9-0850-00	12	55	20.54	
9-8600-15	12	100	4.98	5.07
M5000/133	20	100	115.63	114.45
MITEY LITE	24	50	46.49	
APPLIED BIOSYSTEM				
2900-0484				395.00
APPLIED FIBRE OPTIC				
1160	21	150	28.54	20.79
APPLIED SURGICAL				
ELC	24	250	12.79	12.66
BAIRD ATOMIC				
Spectrofluorometer	20	150		215.91
BAUSCH & LOMB				
21-65-18	120	25	7.68	1.03
21-65-21	120	15	4.11	1.82
21-65-70	120	15		2.87
31-01-01	57	200		161.67
31-01-05	6.5	2.75	11.53	5.00
31-31-03		4		1.81
31-31-12	120	30		6.75
31-31-12	120	20		1.76
31-31-15	120	15	4.17	2.37
31-31-21	6	20	9.47	10.47
31-31-24	2.47	.3A		.52
31-31-25	110	15		22.98
31-31-27	120	20		29.58
31-31-30 CW	50	6		100.51
31-31-30 WW	50	6		93.51
31-31-31	50	6		100.51
31-31-35	120	20		1.76
31-31-37	20	1.04A	15.66	5.36
31-31-42	6.5	2.75A	11.53	5.00
31-31-43	6.5	2.75A		7.62
31-31-50	6	.2A	1.05	.68
31-31-52	21	150	12.92	11.10
31-31-57		6		POR
31-31-58	12	100	12.13	9.26
31-31-65	34-39	50	127.50	192.00
31-31-71-03	120	30	6.72	3.57
31-31-71-05	120	30	6.72	3.57
31-31-75	6.5	2.75A	11.53	5.00
31-31-76	6.5	2.75A	11.53	5.00
31-31-77-01	6	10	8.49	10.47
31-31-77-10	6	10	8.49	10.47
31-31-79	6.5	2.75A		6.09
31-31-81-01	6	20	9.47	10.47
31-31-81-10	6	20	9.47	10.47
31-31-85	6.5	2.75A		6.09
31-31-86	6.5	2.75A		6.09
31-31-87	120	30	10.11	
31-36-05*		45		95.32
31-71-25	2.25	.25A	1.76	.52
31-74-28	120	30		24.36
31-74-44	120	30	6.72	3.57

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
31-75-47	12	20	3.47	
33-33	20	150		242.42
33-33-23	28	.61A		.66
33-33-25	28	.93A	12.60	.82
70 Clear 15W	120	15	4.11	1.82
70 Clear 25W	120	25	7.32	1.39
70 Frost 15W	120	15		2.87
70 Frost 25W	120	25	7.68	1.03
71-26-62	120	25	7.68	1.03
71-34-40 50W	115/125	50	11.19	
71-34-40 100W	115/125	100	18.14	10.13
71-61-86	12	4.2A		134.37
71-71-25	2.47	0.3A		.52
71-71-37	7	35		21.88
71-71-41	6.5	2.75		9.19
71-71-48	120	100	18.14	10.13
71-71-50	6	25		17.00
71-71-55	3	1.5		18.09
71-71-77	120	50		POR
71-71-78	120	100	18.14	10.13
71-71-80	12.5	3.0A		7.32
71-71-84	120	15		1.82
71-71-86	6.5	2.75A	5.64	.52
71-71-93	120	25	5.55	1.55
71-71-99*	6.5	1.54A		8.49
71-75-62	2.5	.38A		13.37
71-77-86	6.5	2.75A	5.64	.52
Spectronic 20D				POR
BAXTER V. MUELLER				
150 Light Source	21	150	13.55	13.74
3001	14	300	395.00	367.69
VS5510	14	300	395.00	367.69
BECKMAN INSTRUMENTS				
Densitometer	120	100		13.11
BECTON-DICKINSON				
51-30012-00	20	100	115.63	114.45
423709	120	25	7.32	1.39
BEI/XYLOG				
Y-1089	14	300	395.00	367.69
BERCHTOLD				
CZ 904-24	22.8/24	55	25.43	
CZ 905-22	22.8	110		24.47
CZ 906-24	24	150	14.43	9.70
CZ 907-22	22.8	250		28.72
CZ 908-22	22.8	150		28.72
CZ 908-24	24	150	14.43	9.70
CZ 955-12	12	50	4.55	4.07
BIRTCHE/SOLOS				
ELS2 175W Xenon		175	395.00	
ELS2 300W Xenon	14	300	395.00	367.69
GS9205	14	300	395.00	367.69
GS9255 Visible	24	150	3.45	4.23
GS9255 Xenon	14	300	395.00	367.69
BRISTOLINE				
3255	6	15		6.45
8608	120	30		24.38
723236	6	18	11.91	11.91
743031	6	15		6.45

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
743987	120	30		6.75
754718	120	15	4.17	2.37
792337	6	3A		16.62
95-BR3256	6	20	4.46	4.67
BURTON (R.H.)				
80-A		8		POR
L800	6	4.5A		20.24
L850	6	4.5A		20.24
L1000	6	4.5A		20.24
L2000	12	50		1.70
L2020	120	15	4.17	2.37
L2021	120	15	4.17	2.37
L2030	6	20	4.46	4.67
P4090	6	3		5.13
P4290	7	35		13.20
P4590	6	15		11.43
P4690	110	15	4.17	2.37
P4691	6	2.4		7.73
P4890	6	33		47.85
P4892	6	4.5A		20.24
P4894	6	20		84.66
P4990	6	33		32.04
P4997	6	5		9.41
BURTON MEDICAL				
0001116	13.5	50	12.77	18.63
0001120	30	80	21.50	21.90
0001127		4		1.81
0003073		4	28.28	8.81
0006004	20	150	11.12	10.57
0006123	12	50	17.44	4.69
0006126PK	120	100		34.45
0007000	12	20	4.50	3.17
0007006	21	150	12.92	11.10
1000416	12	50	4.50	3.49
1003073		4	28.28	8.81
1006926	120	250		219.73
CABOT MEDICAL				
005431-501	14	300	395.00	367.69
CAMBRIDGE				
1291UZ	6	20	4.46	4.67
CANON				
BH33015-000	12	50	4.55	4.07
CASTLE/MDT				
125T10P	120	125		24.55
150P25/10	120	150		33.68
150P25/2SB	120	150	15.83	30.64
2300 Series	120	100	22.66	11.13
8415P	120	150	14.74	9.84
49455	120	150	22.66	11.43
60979	120	100	22.66	11.13
516767	24	60		16.17
12-1909-20	30	50	22.92	18.89
12-2024-10	24	200	12.14	16.46
12-2024-20	30	50	22.92	18.89
CIRCON				
LA300-20	14	300	395.00	367.69
MV9082L	45	270	300.00	
MV9086B	14	300	395.00	367.69

* While available



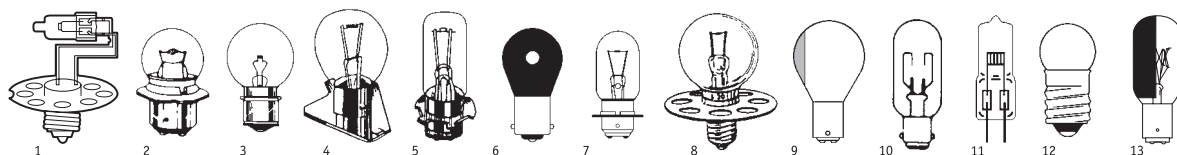
Figures may represent more than one lamp on this page. See matching information on page 32.

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
MV9090		300	670.00	
CLAY ADAMS				
5384	120	25	7.32	1.39
421484	12	5		2.11
423709	120	25	7.32	1.39
425384	120	25	7.32	1.39
15S11/14	120	15		1.82
CLC				
11581	6	4.5A		7.36
CODMAN & SHURTLEFF				
243054	21	150	28.54	20.79
CONCEPT/LINVATEC				
8431	14	300	395.00	367.69
COOPER SURGICAL				
8603	12	20	3.47	
21138	6.5	2.75A	5.64	.52
BLV 140017	12	50	29.79	
Y-1089	14	300	395.00	367.69
COPELAND				
71-71-55	3	1.5		18.09
360 Halogen	3.5			66.21
360 Regular	2.4			28.13
CRYOMEDIC				
1175-06-4305	21	150	13.55	13.74
KCFC20	9	2A		38.38
CUDA				
SY0023	21	150	28.54	20.79
SY0027	21	150	12.92	11.10
SY0029	21	150	13.55	13.74
DELTRONIC				
DH214-Profile	12	100	5.74	8.77
DH214-Surface	12	100	15.12	17.69
DESIGN FOR VISION				
4000-096-0019	21	150	28.54	20.79
DMS VIEWBOX				
Mammographic		30	16.40	
DR FISHER				
DF50T424DC	24	50		46.49
DF84117	6.3	5		37.98
DF841002	6	1.4A		30.64
DF841007	6.3	5		37.98
DF842008	12	35		27.13
DF843021	6	10		15.54
DF843084	6	20		54.43
DF843121	6	15		12.77
DF936003	24	60		37.77
DF945042	24	50		33.34
DF946031	22.4	40		8.23
X-Ray Machine	120	75		6.19
DR MACH				
Surgical Light	22.8	50		15.60

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
DYNAMAX				
Duocon 1, 2 or 3	120	75		6.19
Duocon M-100	24	150	3.45	4.23
DYNASCOPE				
TS4	15	150	14.08	14.27
DYONICS/SMITH & NEPHEW				
4248	14	300	395.00	367.69
ENDOLAP				
S 605-25	14	300	395.00	367.69
ENDOMEDICS				
Y1089	14	300	395.00	367.69
ENVISION				
Y1089	14	300	395.00	367.69
EPI				
Fluorescent Microscope		50	145.23	
ESPEC				
Temp/Humidity Chamber	24	5		1.92
FALONS				
Comparator	42	250	548.94	
FARRAND				
150W Xenon	20	150		215.91
FISHER SCIENTIFIC				
Binocular S2681	6	20	4.46	4.67
Micromaster	12	20	3.47	
Micromaster Model E	120	30		13.09
Stereomaster II	120	20		7.47
Stereomaster 12-562-1	6	15		19.68
Stereomaster II SPT-IH	120	20		29.59
FOCS				
Laryngoscope L-GE/G	2.5	.68A		11.17
FOREGGER				
Miller 2 blade	2.5	.28A		3.19
FOSSOMATIC				
215	14	75	225.82	
360	12	50	3.47	
FUJIKARA				
Early model CBB series	3.5	.72A		8.09
Cavitas 2000	3.5	.72A		8.09
FUJINON				
Y1072	14	300	395.00	367.69
Y1089	14	300	395.00	367.69
GAUGE MASTER				
THE-43	12	100	15.12	17.69
GENERAL ELECTRIC				
AMX-3	24	150	14.76	9.41
AMX-3 (Portable)	14	.08A		.55
AMX-4	24	100	14.30	

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
GLENBROOK TECHNOLOGY				
C038	120	60	30.55	
GOODLIGHT				
700	6	12		13.77
GOWLLANDS				
Otoscope Small	2.5	.28A		4.68
Otoscope Large (8-32)	2.5	.28A		4.68
Ophthalmoscope-Maylite				5.32
GYNASCOPE				
Vaginal Specula	6			13.19
GYNETECH				
610-025	6	26		9.20
Colposcope	12	20	3.47	
Colposcope B101-D	6	30		97.88
Colposcope Microzoom120	120	150	17.28	42.81
HAAG STREIT/GOLDMANN				
360	6.5	2.75A	5.64	.52
366	6	4.5A		15.22
510-250	6	4.5A		33.88
70335	6	4.5A		33.88
900-930	6	4.5A		18.30
940-750	6	4.5A		33.88
HANALUX/SIEMENS				
15282	22.8	50		18.30
16164	24	25		16.13
16170*	110	30		14.87
16191	12	25		40.28
16332	24	25		18.38
16344	120	30		24.62
16372	24	40		48.40
16423	110	50		POR
16534	120	40		28.73
16578	125	50		21.28
16579	32	40		POR
16678	24	50		24.47
16679	110	50		55.64
16685	50	50		51.60
18366	22.8	75		20.96
18366/24V	24	75		POR
18550	24	40		13.47
18566	22.8	50		14.17
18769	22.8	40		8.24
59500	24	60		37.77
Blue 30	24	50		145.17
H2000	22.8	50		18.30
H6950	24	120		14.37
HANOVA				
901B0011	22.5	200		230.77
901C0011	20	150		215.91
L5122-000	20	150		230.77
HEATHDYNE				
PT1401	82	360	10.15	10.57
HEINE				
J.05.27.073	12	20	3.26	3.17
J.05.27.074	12	20	17.44	4.69
X-01.88.034	2.5	.40A		10.64
X-01.88.035	2.5	.40A		10.64

* While available



Figures may represent more than one lamp on this page. See matching information on page 32.

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
X-01.88.037	2.5	.40A		10.64
X-01.88.038	2.5	.40A		10.64
X-01.88.040	2.5	.60A		10.64
X-01.88.041	2.5	.60A		36.06
X-01.88.042	2.5	.40A		10.64
X-01.88.043	2.5	.60A		10.64
X-01.88.058	2.5	.40A		23.40
X-01.88.059	2.5	.28A		6.38
X-01.88.061	2.5			10.23
X-01.88.071	2.5	.60A		10.64
X-02.88.044	3.5	.40A		52.34
X-02.88.046	3.5			12.77
X-02.88.048	3.5	.60A		10.64
X-02.88.049	3.5	.40A		10.64
X-02.88.051	3.5	.750MA		10.64
X-02.88.063	3.5	.60A		10.64
X-02.88.070	3.5	.60A		10.64
X-02.88.072	3.5	.650MA		11.70
X-04.88.068	6	10		23.40
XHL 038	2.5	.40A		10.64
XHL 042	2.5	.40A		10.64
XHL 058	2.5	.40A		23.40
Y-96.11.103	20	150	11.12	10.57
Y-96.14.103	6	20	4.46	4.67
Y-96.15.102	24	150	14.43	9.70
Y-96.15.103	12	100	5.74	8.77

HILL-ROM

BSS1089	22.7	180		42.56
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HITACHI

250-1600	20	150		242.42
885-1200	12	50		1.70
UXL-152H	20	150		272.73

HOSOBUCHI

O3113	6	18		11.91
OP2101	4 to 6	1.2A		12.24
OP2101/U	4 to 6	1.2A		21.02
OP2103	6	1.6A		14.64
OP2104	6	2A		24.81
OP2105	6	2A		22.09
OP2106	3 to 6	2A		6.11
OP2106W/RG	3 to 6	2A		44.11
OP2109	6	2A		6.79
OP2111*	6	2.5A		34.15
OP2114	6	18		6.45
OP2115	6	3A		28.98
OP2116	6	3A		41.38
OP2118	6	30		6.79
OP2120	6	5.5A		36.17
OP2121	6	5.5A		29.79
OP2129	6	15		7.34
OP2130	6	15		10.09
OP2131	6	15		12.77
OP2173	6	12		43.28
OP2200	6.5	2.75A	8.32	5.79
OP2205	8	5A		40.32
OP2401	10	70		17.45
OP2402	10	70		17.45
OP2406CD	10	3		81.41
OP2502	12	60		29.49
OP2503	12	100		71.09
OP2505	12	150		85.11
OP2600*	13.5	4A		32.26
OP8611	6	15		10.09

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
HUMPHREY/ZEISS				
8168	12.8	.94A	1.47	.52
ILC				
LX300F	14	300	395.00	367.69
LX300FP	14	300		428.57
Y1052S	14	300		428.57
Y1064S	14	300		428.57
Y1089	14	300	395.00	367.69
Y1089A	14	300	395.00	367.69
Y1153	14	300		428.57

INAMI

Colposcope 9V	9	2A		38.38
Colposcope 12V	12	100	4.98	5.07

IO SPENDER

1036A	6	20	8.49	10.47
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IWASAKI

Microscope	15	150	14.08	14.27
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JENA/NARVA

687.95	6	20	4.46	4.67
Amplival	6	15		68.09
SL-69	6	15		68.09

JONES & LAMPSON

PC-14A		250	548.94	
Shadowgraph PC-14	5.5	6.25A	2.00	
Shadowgraph TC10	10	7.5A	4.52	

KARL STORZ

103C	21	150	13.55	13.74
425	21	150	13.55	13.74
481C	21	150	13.55	13.74
482	15	150	14.08	14.27
487XF	14	300		428.57
610XF	14	300	395.00	367.69
611XF	14	300		428.57
615XF	14	175	395.00	
630XF	14	300		428.57
201330-20	45	270	300.00	

KEELER

1011P-5055	3.5			10.64
1011P-7034	3.5			10.64
1011P-7042	2.8			10.64
1012P-5110	6			170.55
1012P-7006	6			138.22
1013P-5104	3	1.5		18.09
1015P-5070	3.5			10.64
1015P-5191	2.8			10.64
1015P-7023	3.5			10.64

KODAK

14-2A	120	1000	32.90	
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KONTRON

Spectrofluorometer	20	150		242.42
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KOWA

ASL3CB2A26	15	150	14.08	14.27
ASL7A26	12	30	17.87	
L17A26	6	20	4.46	4.67

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
KRAMER SCIENTIFIC				
Microscope	3-6	2A		6.11

LABORIE

615XE	14	300	395.00	367.69
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LDC/MILTON ROY

108036		4	22.94	15.15
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LECO

Metallograph	20	150		208.00
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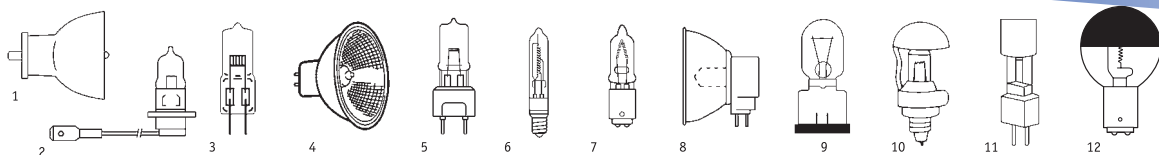
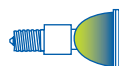
LEISEGANG

Colposcope 103	12	20	3.47	
Colposcope 635500	6	30		97.88
Sharplan 779 C02 Laser	12	20	3.47	

LEITZ/LEICA/WILD

0070249	6	20		62.81
037-717	24	150	3.45	4.23
037-723	24	250	4.61	6.87
037-790	12	100		12.90
043-144	12	100	5.74	8.77
050-320	57	200		161.67
050-525	6.4	15		.92
050-530	6	25		6.92
050-535	12	25		.68
050-540	20	1.01A	15.66	5.36
050-550	6	10	4.53	4.95
050-556	6	10	4.53	4.95
050-615	61	200	240.43	
050-620	57	200		161.67
094-502	6	25	2.96	1.11
094-504	6.1	4.1A		5.11
094-524	6.1	4.1A		5.11
094-528	6.1	4.1A		5.11
094-529	6.1	4.1A		5.11
098-145	12	100	15.12	17.69
098-210		20	9.09	
098-724	120	650	16.83	16.80
166-324	6	15	15.23	
177-160	6	20		62.81
193-049	12	100	4.98	5.07
31-31-25	110	15		22.65
362-658	6	20	4.46	4.67
384-643	12	50		78.28
500-007	120	40		4.07
500-008	20	150		208.00
500-010	12	60		22.47
500-011	6	5A	37.32	
500-012	6	15	15.23	
500-016	57	200		161.67
500-031	18	450		590.91
500-037	12	100	4.98	5.07
500-073	6	5		2.55
500-096	6	10		1.87
500-137	34-39	50	127.50	192.00
500-138	20	100	115.63	114.45
500-139	12.5	65		170.00
500-182	12	50	4.55	4.07
500-227	6	15	38.19	7.34
500-245	6	20	4.46	4.67
500-603		4	10.13	2.11
500-974	12	100	4.98	5.07
501-109	24	150	3.45	4.23
505-620	57	200		161.67

* While available



Figures may represent more than one lamp on this page. See matching information on page 32.

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
506-014	20	1.4A	15.66	5.36
510-070	120	25		13.07
580-603		4	10.13	2.11
590-910	24	250	4.61	6.87
610-025	6	4.35A		9.20
620-068	6	15	38.19	7.34
620-071*	6	30		14.62
620-125	12.5	65		170.00
700-009	6	15		2.66
700-026	12	3	2.49	
700-034	6.5	2.75A	5.64	.52
700-065	6	10	4.53	4.95
799-892	24	150	3.45	4.23
902-058	21	150	12.92	11.10
902-063	21	150	13.55	13.74
907-090	6	10	4.53	4.95
918-088	6	5A		1.76
920-033	12	2.1A	1.53	.52
997-053	15	150	14.08	14.27
3040-0090	39-45	50	127.50	192.00
3040-0330	14	300	395.00	367.69
3040-0380	20	100	115.63	114.45
M420	6	20	4.46	4.67

LINVATEC/CONCEPT

8431	14	300	395.00	367.69
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LORAD

Mammography X-Ray 12	100	12.13	9.26
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LUMLITE

300W Xenon Lamp	14	300	395.00	367.69
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LUXTEC

00-1300	21	150	28.54	20.79
00-2125	12	50	4.50	3.49
00-2854	12	150		433.75
1300	21	150		24.21
1600	21	150		24.21
6000	14	300	395.00	367.69
7000	14	300	395.00	367.69
400048NT	14	175	395.00	
400049NT	14	300	395.00	367.69
ACO Series	15	150	14.08	14.27
Y1290	14	300	395.00	367.69

MACBETH

TD929	12	50	4.55	4.07
TR944	12	50	4.55	4.07

MACHIDA

Y1089	14	300	395.00	367.69
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MARCO

1008	6	4.5A		20.24
1013	2.5	.3A		18.09
1036	120	150	17.28	42.81
1037	120	150	17.28	42.81
1045	12	30	17.87	
1080	12	30	17.87	
2007-6	6	4.5A		33.88
3006	120	30		1.98
4007	120	25	7.68	1.03
4008	120	15	4.60	1.26
4014	6	30		6.79
4032	7	35		13.20

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
5010	6.5	2.75A	5.64	.52
6014	130	50	10.44	5.11
6025	12	20		2.39
CP2	6	20	4.46	4.67
MR5010	6.5	2.75A	5.64	.52
OM2020	15	150	14.08	14.27

MARTIN/BERCHTOLD

CZ 904-24	22.8/24	55	25.43	
CZ 905-22	22.8	110		24.47
CZ 906-24	24	150	14.43	9.70
CZ 907-22	22.8	250		28.72
CZ 908-22	22.8	150		28.72
CZ 908-24	24	150	14.43	9.70

McCROWN

Polarizing BHT	6	10	6.92	
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McPHERSON

412-313	20	150		215.91
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MEDICAL DYNAMICS

10020	14	300	395.00	367.69
6000-150	21	150	28.54	20.79

MEDICAL ILLUMINATION

#0001255	20	150	11.12	10.57
#0001256	12	100		10.57
#0001727	120	150	38.13	
Century 021312	12	75	8.09	
ETD	120	100	13.57	13.21

MEIJI

MA111	12	10	2.63	
MA260/05	6	20	9.47	10.47
MA263/05	115	30		61.17
MA264/05	6.5	2.75A		4.79
MA275/05	12	50		2.45
MA309/05		4		1.81
MA326	6	30	7.98	
MA361/10	120	20		11.49
MA362/10	120	30		13.09
MA560	4-6	1.2A		12.24
MA561	4-6	1.2A		21.02
MA570	6-Jan	10	8.49	10.47

MELLES GRIOT

Inteferometer		3		10.64
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MENTOR

22-1008	6	4.5A		7.36
22-4003	6	4.5A		7.36
22-4010	12	4.2A		134.37
22-4506	3.7	.74A		14.62

METTLER

657 Black Replacement	6.5	1.4A		30.64
11698 Black Replacement	6	1.4A		30.64
841002 Clear	6	1.4A		30.64
84117	6.3	5		37.98

MICROVIEW

H14	16	50	33.83	
Q16	21	150	12.92	11.10

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
MIDMARK				
970 SERIES	12	20	3.47	
LH-58	24	65		17.56
Operating Light	24	250	16.60	

MIDWEST MEDICAL

Apollo	24	40		37.40
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MILTON ROY

601 Visable	14	1.79A	9.26	
34-33-23	28	.61A		.66
35-54-23	6	10	6.92	

MIST

LX-300F	14	300	395.00	367.69
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MITSUBISHI

LS300X	14	300	395.00	367.69
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MITUTOYA

PJ300	12	150		85.11
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MITUTOYO

PH350	12	100	12.13	9.26
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MLA

1000	12	20	6.51	4.65
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MOLECULAR DEVICES

L9404	12	20		47.79
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MUELLER INSTRUMENTS

8632-S	12	50	4.55	4.07
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NARVA

17301	6	10		1.87
17503	6	18		4.15
17643	24	21		2.50
55125	6	10		44.68
55133	6	20		44.68
55147	6	25		44.83
55205	12	50		44.68
55305	12	100		44.68
55307	12	100		35.29
55405	24	150		48.94
55913	6	20	4.46	4.67
57901	12	50	4.55	4.07
67271	6	15		68.09

NEITZ/KOWA

L4	4	3.6	21.17	
L9	12.5	60	30.81	
L11	6	12	25.07	
L19	120	15	4.17	2.37
L44	6	30		33.88

NEXTEC

Y-1089	14	300	395.00	367.69
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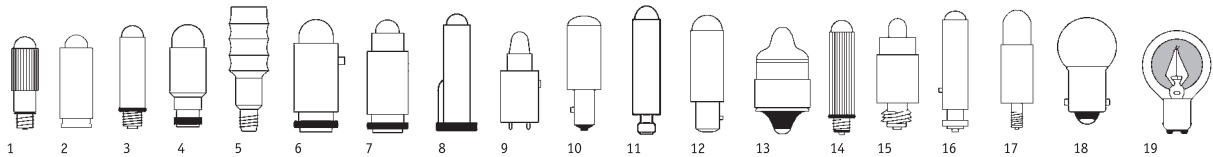
NIDEK

SL1600	12	30	17.87	
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NIKON

5554-0102	20	100	115.63	114.45
66221	21	150	12.92	11.10

* While available



Figures may represent more than one lamp on this page. See matching information on page 32.

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
70061	6	15	15.23	
70386	6	15	15.23	
70410	12	5A		29.49
70999	120	150	17.28	42.81
71256	10	70		17.45
71500	100	300	26.43	
71818	10	70	17.45	
71826	24	150	3.45	4.23
74990	115	15	4.17	2.37
76223	21	150	13.55	13.74
76342	6	10	4.53	4.95
76461	20	150	242.42	
76513	12	100	4.98	5.07
76516	12	50	4.55	4.07
76517	12	50	3.47	
76617	2.25	.25A	1.76	.52
76642	3-6	2A		6.62
76906	6	15	15.23	
76907	6	15		6.45
77098	6	.04A		.68
77155	3.69	.5A		2.13
77458	115	30	13.09	
77903	6	15	10.09	
77904	6	30		6.79
77906	120	15	4.34	1.26
77910	6	15		7.34
77918	115	20	33.68	
78021	6	30		7.45
78079	6	15		10.09
78153	18	450	590.91	
78508	120	30	24.36	
78564	34-39	50	127.50	192.00
78580	57	200		161.67
78589	20	100	115.63	
78590	57	200		161.67
78595	120	20	11.81	
78652	120	30	24.36	
78671	12	50	4.55	4.07
78682	12.5	65		170.00
79098	6	.02A	1.05	.68
79099	6	20	4.46	4.67
79186	6	.02A	1.05	.68
79726	6	.2A		22.34
79761	12	30	17.87	
81295	6	15		10.09
8229	20	100	115.63	114.45
82931	20	150	11.12	10.57
84125	12	100	5.74	8.77
84246	6	30	7.45	
88106	6	20	4.46	4.67
89500	6	20	4.46	4.67
89502	220	15		14.87

NORTH AMERICAN IMAGING

DRX 1403B	120	75		6.19
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NUVO SURGICAL

BSS1089	22.7	180		42.56
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OHMEDA

6600-0262-200	20	150	11.12	10.57
Blanket	21	150	12.92	11.10
Infant Warmer	12	50	4.50	3.28

OLYMPUS

58101	24	150	3.45	4.23
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PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
58102	15	150	14.08	14.27
58107	14	300	395.00	367.69
58110	14	300	395.00	367.69
58111	14	300		428.57
88001	6	5A		1.76
88006	20	150		208.00
8-B101	6	30		14.26
8-B102	6.5	2.75A	5.64	.52
8-B150	120	15	4.17	2.37
8-B151	120	20		13.00
8-B152	120	30	6.72	3.57
8-B153	120	20		22.03
8-B190	57	200		161.67
8-B192	20	100	115.63	
8-B193	34-39	50	127.50	192.00
8-B195	17.5	150		209.23
8-B196	20	150		208.00
8-B198	12.5	65		170.00
8-C101	6	30		6.79
8-C102	6	30		25.24
8-C103	6	15		25.24
8-C104	12	50		2.45
8-C201	6	2A		26.00
8-C401	12	100	4.98	5.07
8-C402	12	50	4.55	4.07
8-C403	6	10	4.53	4.95
8-C404	21	150	13.55	13.74
8-C405	6	20	4.46	4.67
8-C406	12	100	5.74	8.77
8-C407	12	50	4.55	4.07
8-C410	6	30		7.45
8-G101	6	5		13.47
8-G102	6	10		14.79
8-G103	6	1		17.40
8-M102	3-6	2A		6.62
8-M103	6-8	2A		7.39
8-S251	120	20		18.77
8-S307	6	20	4.46	4.67
8-S401	15	150	14.08	14.27
CLE-10	15	150	14.08	14.27
CLE-F10	15	150	14.08	14.27
CLH-2	15	150	14.08	14.27
CLK-3	15	150	14.08	14.27
CLKS	15	150	14.08	14.27
CLK-4	15	150	14.08	14.27
CLV-1	14	300	395.00	367.69
CLV-10	14	300	395.00	367.69
CLV-20	14	300	395.00	367.69
CLV-F10	14	300	395.00	367.69
CLV-S20D	14	300		428.57
CLV-U20D	14	300		428.57
MH968	24	250	4.61	6.87
VS010	20	150	11.12	10.57
VS011	14.5	90	13.89	19.12
Y1052	14	300	395.00	367.69
Y1064	14	300	395.00	367.69
Y1064S	14	300		428.57
ZM0198	12	100		48.60

OPG

827	120	1500	68.28	68.67
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OPTICAL GAUGING

USH-205DP	57	200		179.63
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PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
OPTI-QUIP				
OQ53Z	6	25		28.73
OQ58Z	6	30		24.15
OQ76Z	6	15		37.22
OQ77Z	6	15		12.77
OQ86Z	6	50		39.43
OQ348	12	60		22.47
OQ366HS	6	4.5A		15.22
OQ70249	6	20		62.81
OPUS				
Immural Assay System	12	35	6.62	6.26

ORIGIN MEDICAL

LX300F	14	300	395.00	367.69
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PENLON

55091 Large	2.5	.28A		3.19
55092 Small	2.5	.28A		3.19
55094	2.5	.40A		8.51

PENTAX

EPM-3000	14	300	395.00	367.69
EPM-3300	14	300	395.00	367.69
LX3000	14	300	395.00	367.69
OL-X1	12.5	65		170.00

PHILIPS

X-Ray Collimator	12	.04A		.63
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PILLING

Endoscope	14	300	395.00	367.69
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PILLING-WECK

52118	21	150	28.54	20.79
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PROFESSIONAL PRODUCTS

15100 Gooseneck	120	25	7.68	1.03
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PROJECT-O-CHART

Acuity Lamp	130	50	10.44	5.11
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PROPPER

198022	2.5	.40A		10.64
199020	2.5	.40A		23.40
199028	3.5	.60A		12.77
199035	2.5	.40A		5.32
199036	2.5	.28A		4.26
199112	2.5			10.64
199125	2.5	.40A		11.70
199306	6			10.64
199402	3.5			52.34
199404	3.5	.60A		11.70
199405	3.5	.60A		11.70
199406	2.5	.40A		11.70
199407	2.5	.40A		11.70
339036	6V			10.64
LM22	2.5			36.07

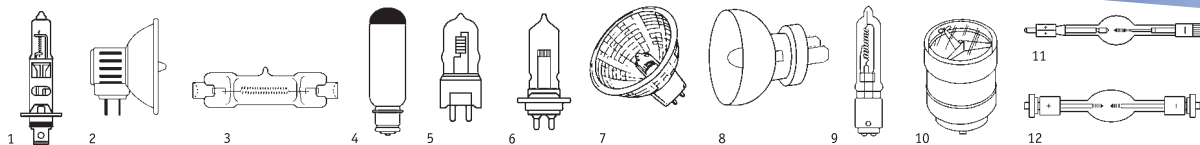
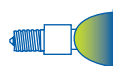
REN

X-Ray Duplicator	130	7		1.24
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RESPIRONICS

3600/Wallaby III	21	150	12.92	11.10
Wallaby II	21	150	12.92	11.10

* While available



Figures may represent more than one lamp on this page. See matching information on page 32.

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
RFQ				
L-GE/G	2.5	.68A		11.17

RIESTER				
3900	2.5			4.68
3950	2.5			5.11
10424				5.11
10473				5.85
10531	2.5			9.57
10533	2.5			9.57
10600	2.5			9.57
10601	3.5			9.57
10602				9.57
10605	2.5			9.57
10606	3.5			9.57
10607				9.57
10608				9.57
10609				9.57

RUSCH				
008322-000/Gold	2.5	.68A		11.17
Mac-curved blade-size 3 & 4				
	2.5	.28A		3.19
Miller-size 3 straight blade				
	2.5	.28A		3.19
Miller-size 4 straight blade				
	2.5	.28A		3.19

RUSH/PILLING				
5212-11	21	150	28.54	20.79
5212-51	21	150	28.54	20.79
5212-81	21	150	28.54	20.79

SCIENTIFIC INSTRUMENTS				
240-140	120	25	2.03	3.18

SHIMADZU				
150W Xenon	20	150		242.42

SHIN-NIPPON				
Acuity Lamp	12	30		26.76
OP-2	15	150	14.08	14.27
SL-40	12	20	4.46	4.67

SKYLUX				
SP-25*	24	25		9.81

SKYTRON				
A101018	24	40		POR
A101028	24	40		36.73
A142010	24	60		34.90
A151001	24	50		36.73
B101028 DKK	24	50		33.03
B401029	24	75		53.73
B501132	24	100		22.56
SH37	24	40		36.73
SH42	24	40		36.73
SH52	24	40		36.73
SH62	24	60		34.90
STL-9	24	75		53.73

SLM				
416-992	20	150		215.91

SMITH & NEPHEW				
4248	14	300	395.00	367.69

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
SNOWDEN PENCER				
Y-1089	14	300	395.00	367.69

SOLOS/BIRTCHER				
ELS2 175W Xenon		175	395.00	
ELS2 300W Xenon	14	300	395.00	367.69
GS9205	14	300	395.00	367.69
GS9255 Visible	24	150	3.45	4.23
GS9255 Xenon	14	300	395.00	367.69

SOUTHERN PRECISION				
1859A	120	25	5.17	1.21
1868	120	15		1.26

SPEX				
1689	12.5	65		170.00
1905	17.5	150	276.10	
1906	20	150		242.42
1906-OFRR	20	150		208.00
1907	18	450		590.91
1907-OFRR	18	450		590.91

STARR				
ETT	12	100	15.12	17.69

STERIS				
P093926047	20	180		50.58

STERNE MFG				
31-BLD-C	100	150		15.71

STOCKER & YALE				
973-510A		10.9		41.96
973-510B		10.9		41.96

STRYKER				
8815-035-800	28	70	17.85	
Quantum 3000	45	270	451.43	
Quantum 4000	45	270	500.00	
Quantum 5000	45	270	518.57	
X6000	14	300	395.00	367.69
X7000		300	670.00	
X8000			POR	

SUNMED/SUNLITE				
Laryngoscope Lamp	2.5	.68A		11.17

SUNNEX				
High Intensity Unit	12	20	3.47	

SWIFT				
MA100	6	18		33.51
MA216	115	20		5.09
MA326	6	30		13.09
MA402	6.5	2.75A	5.64	.52
MA560	6	1.2A		12.24
MA584	120	30		61.17
MA722	120	30		5.60
MA722A	120	30		5.60
MA724	120	20		38.73
MA725	120	10		22.00
MA737	6	3A		8.45
MA738	6	5A		29.98
MA760	6.5	2.75A		4.79
MA780	6	20	4.46	4.67
MA782	12	100	4.98	5.07

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
MA784	12	50	4.55	4.07
MA786	24	150	3.45	4.23
MA885	57	200		161.67
MA886	120	20		7.47
MA887	6	18		POR
MA2201	115	20		5.09
MA2202F		5	2.62	2.45
MA2251B	115	20		5.09
MA8816	6	18	5.64	.52

TECHNICON				
108-3310-01	6	20	85.73	
195-B637-01 100W	12	100	12.13	9.26
195-B637-01 150W	24	150	14.76	9.41
633-0094-01	15	150	4.33	10.42

TFX FIBEROPTICS				
AO9540	14	300	395.00	367.69

TOPCON				
40100-11530	6	15		19.15
40101-20570	6	3		5.13
40120-10080	6	2.4		7.73
40300-20700*	6	20		85.37
40300-25500	6	33		47.85
40310-25600	6	4.5A		20.24
40310-40770	6	.2A		9.45
40340-20700	6	20		84.66
40531-18100	8	50	15.58	20.78
41107-50130	15	150	14.08	14.27
41455-33100	12	15		71.60
41500-30130	6	10	8.49	10.47
41560-80020	6	10		60.55
42025-51010	110	15	4.17	2.37
42320-10550	6	15		6.37
42409-30060	7	35		13.20
42412-20400	12	50		211.06
42425-31600	130	50	10.44	5.11
42426-30160	130	50	10.44	5.11
42426-31600	130	50	10.44	5.11
42440-20030	12	30		26.86
43100-14800	6	33		32.04
43108-12230	6	5		8.28
43123-46140	12	50	4.55	4.07
6834	12	100	15.12	17.69
T-23 Clear	120	15	4.17	2.37
T-23 Frost	120	15	4.17	2.37

TOSHIBA				
EES-70A	14	300		399.38
TRE-3000	14	300		399.38
Y-1089	14	300	395.00	367.69

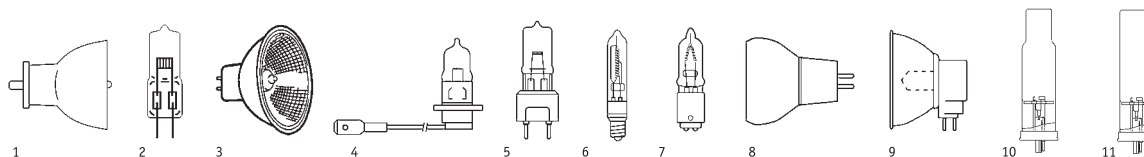
TRACOR				
150W Xenon	20	150		242.42

TRANSWORLD				
BNF	120	75		6.19

TTI - TAGARNO				
8222	14	300	395.00	367.69

UNITRON				
EL-1B	13.5	4		8.45
EL-2B	8	12		4.24
EL-3B	8	12		4.58

* While available



Figures may represent more than one lamp on this page. See matching information on page 32.

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
EL-4B	10	7		12.09
EL-12B	6	15		6.79
EL-30	117	30		28.09
EL-XN	20	150		276.92

UNIVERSAL

3481L	120	75		6.19
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VANGUARD

Motion Analyzer	100	300		23.94
Y-1089	14	300	395.00	367.69

VARIAN

150W Xenon	20	150		242.42
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VICKERS

414140	34-39	50	127.50	192.00
M32-05-45	12	100	4.98	5.07
PHCSX150	17.5	150	276.10	

VIDEO DYNAMICS

Y-1089	14	300	395.00	367.69
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VOLPE

10001-111	15	150	14.08	14.27
23500-014	20	150	11.12	10.57

WALLABY

EKE	21	150	12.92	11.10
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WALLACH

Zoomscope 906009	120	150	17.28	42.81
Zoomscope 906117	120	150	35.07	26.93

WECK

173301	14	300	395.00	367.69
Oper Micro 104	6	30		6.79

WELCH ALLYN REPLACEMENTS

WA00100	2.5	.28A		3.19
WA00110	2.5	.28A		3.19
WA00200	2.5	.32A		4.68
WA00400	2.5	.28A		3.19
WA00600	2.5	.32A		5.32
WA00800	6		13.19	
WA00900	2.5	.38A		6.17
WA01000	2.5	.29A		9.57
WA01110	6	10	8.49	10.47
WA01111	6	20	9.47	10.47
WA01115	12	14	9.26	10.47
WA01300	2.2	.18A	1.76	.52
WA01400	2.5	.30A		.52
WA01800	2.5	.45A		17.02
WA01900	6			12.77
WA02000	7	.63A		.55
WA02100	2.5	.38A		2.63
WA02200	2.2	.18A		5.11
WA02300	2.5	.18A		5.32
WA02500	5.8	1.10A	5.49	2.11
WA02600	6.3	2.10A		23.40
WA02700	2.5	2.10A		8.51
WA03000	3.5	.72A		9.57
WA03000 Old Style	3.5	.72A		9.57
WA03100	3.5	.72A		8.09

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
WA03300	2.5	.66A		9.79
WA03400	2.5	.66A		9.57
WA03600	2.5			8.19
WA03700	3.5	.70A		15.32
WA03800				9.36
WA03900	2.5	.66A		9.57
WA04000	6	.71A		13.83
WA04050	21	150	13.55	13.74
WA04100	14.5	2.25		20.21
WA04200	12	35	29.49	16.24
WA04300	2.5	.38A		4.10
WA04400	2.5	.66A		9.57
WA04500	3.5	.74A		15.43
WA04600	2.5	.74A		14.89
WA04700	2.5	.28A		3.19
WA04700/FR	2.5	.28A		8.41
WA04800	2.5	.28A		3.19
WA04800/FR	2.5	.28A		6.81
WA04900	3.5	.72A		18.09
WA06000	2.5	.28A		9.36
WA06100	14.25			21.28
WA06200	3.8	.65A		9.57
WA06300	12	20	3.60	
WA06400	12	20	4.50	3.17
WA06500				9.36
WA07200	2.5			14.89
WA07600	2.5			28.90
WA07800	6			13.19
WA08100	12	1.68A	3.47	
WA08200	3.5			13.83
WA08300	3.5			14.89
WA08500				9.36
WA08800				18.08
Y-1139	14	300	395.00	367.69

WESCO

Microscope	6	15		3.87
Stereomicroscope 3000	6	15		19.68

WILD

166-324	6	15	15.23	
193-049	12	100	4.98	5.07
362-658	6	20	4.46	4.67
384-643	12	50		
977-053	15	150	14.08	14.27
M420	6	20	4.46	4.67
W113806	12	50		78.29

WOLF

N650012	21	150	13.55	13.74
N650013	21	150	13.55	13.74
N900007	14	300	395.00	367.69

WOODLYN

31270	6	20	4.46	4.67
45570	6	20		84.66
55070	120	15		1.82

WOTAN

70302	12	60		22.47
70313	6	30		24.15
70396	6	50		39.43
86260	12	30		17.87

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
XTD (China)				
9609933	6	8		8.38

XYLOG/BEI

Y-1089	14	300	395.00	367.69
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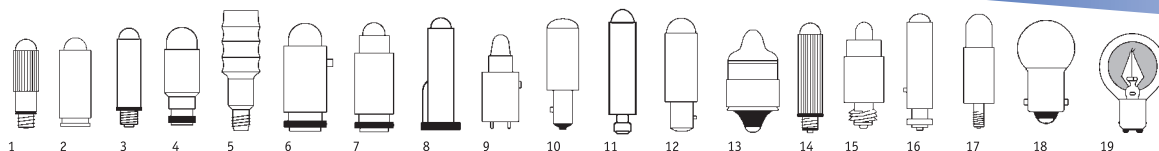
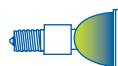
YAG

1379	12	30		17.87
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ZEISS

31-01-87	15	150	14.08	14.27
31-01-98	15	150	14.08	14.27
31-07-52	45	270		393.58
38-01-77	6	15		12.77
38-01-79	6	15	38.19	7.34
38-02-15	12	100	47.40	
38-02-16	12	60		22.47
38-04-16	120	25		13.07
38-16-02	12.5	65		170.00
38-16-16	20	100	115.63	114.45
38-16-17	20	150		242.42
38-16-19	34-39	50	127.50	192.00
38-16-23	18	450		590.91
38-39-8740	12.5	65		170.00
38-49-53	14	300	395.00	367.69
38-61-08	6	10		6.36
39-01-58	6	30		24.15
39-01-77	6	15		12.77
39-01-86	6	50		39.43
39-02-18	12	60		29.40
39-04-13	110	50		46.47
39-25-42	6	15		12.77
3800-18-1830	120	25		13.07
3800-18-2520	12	60		22.47
3800-18-2600	12	100	47.40	
3800-18-3980D	18	450		590.91
3800-18-4060	20	100	115.63	114.45
3800-18-4060D	20	100	115.63	114.45
3800-18-4070	57	200		161.67
3800-20-1740D	6	20	4.46	4.67
3800-29-9020	6	15	15.23	
3800-44-7390	20	150		242.42
3800-59-1660	12	100	4.98	5.07
3800-75-1020	12	100	19.89	
3800-79-9030	12	75	15.58	17.58
3800-79-9040	12	100	15.12	17.69
3800-79-9190	12.5	65		170.00
3800-79-9240	22.8	50		14.17
3800-79-9540	12	100	4.98	5.07
3800-79-9550	12	50	4.55	4.07
3800-79-9690	6	20	4.46	4.67
3801-20-1740	12	30	17.87	
3801-20-7030	6	20	4.46	4.67
3801-20-7030D	6	10	30.22	
3801-20-7040	12	30	17.87	
3801-22-2450	20	150		208.00
3803-01-9350	20	100	123.08	
90-30-50	12.5	65		170.00
91-00-50	57	200		161.67
91-01-42	12.5	65		170.00
91-01-54	6	10		6.36
910849-1045	20	100		114.45
910881-2000	20	100	115.63	114.45
910881-2013	12.5	65		170.00

* While available



Figures may represent more than one lamp on this page. See matching information on page 32.

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
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DENTAL LAMPS

3M

Visilux 1 & 2	12	75	19.15	18.62
XL 1500	10	52	32.98	
XL 3000	12	75	19.15	18.62

ACCUBITE

Hi Lux 200	12	75	26.70	
ADC				
Quala Model 2501	14	35	26.43	19.66

ADEC

A-Dec Dental Lamp	24	150	3.45	4.23
Performer	12	55	3.72	6.09

AIR TECHNIQUES

EFR	15	150	14.08	14.27
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ALGOTEC

FCS	24	150	3.45	4.23
Walklite	8	50	15.58	20.78

ALMORE

OP 11	12	75	19.15	18.62
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AMERICAN MIDWEST

Insight 1 & 2	120	250	15.13	17.95
Oral Illuminator 1, 2 & 3	21	150		24.21
Tradition 1	120	250	15.13	17.95

AMPCO

Contender	12	55	3.72	6.09
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BELMONT

040, 045, 046	12	55	3.72	6.09
047, 048, 049	12	55	3.72	6.09
HLU	12	55	3.72	6.09
X-Caliber	12	55	3.72	6.09

BOSWORTH

92102	15	150	14.08	14.27
LCO	120	150	35.07	26.93

BOYD INDUSTRIES

Oplite S1500	12	20	4.50	3.17
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CABOT

100416	21	150	12.14	18.12
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CELEX

Celex	12	55	3.72	6.09
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CHAYES VIRGINIA

Chayes Light	12	55	3.72	6.09
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CIDA PRODUCTS

SYC0023	21	150	28.54	20.79
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CLIVE CRAIG

F14T12/D	14	12.32		
F14T8/D	14	16.51	1.60	

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
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COBY

EJA	21	150	13.55	13.74
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COE LITE

4070110	15	150	14.08	14.27
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COLTENE/WHALEDENT

Cotolux 2	12	75	19.15	18.62
Cotolux 3 & 4	12	75	19.15	18.62
D1-500 Oven	12	50	3.47	

CUDA PRODUCTS

Fibre Optic	21	150	28.54	20.79
M3-150	21	150	28.54	20.79

CYGNUS IMAGING

Stylus 240 & 2000	12	75	15.58	17.58
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CYGNUS INSTRUMENTS

Cygnascope	120	250	15.13	17.95
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DARBY DENTAL

Superdent 2001 & 2500	12	75	19.15	18.62
Superdent 5000 & 8000	120	150	35.07	26.93
Superdent 7500	21	150	13.23	15.84

DEGUSSA

Degulux	12	75	19.15	18.62
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DEMETRON

Optilux 35, 50, 150, 250, 350				
	14	35	26.43	19.66
Optilux 101, 400, 401, 403				
	12	75	19.15	18.62
Optilux HiOutput 400, 401, 403				
	12	100	28.19	28.77
VCL 100, 200, 300, 401				
	12	75	19.15	18.62

DEN-MAT

Ceri Light	12	100	28.19	28.77
Marathon & Marathon 2	120	150	13.55	13.74
Visar 2	21	150	13.23	15.84

DEN-TAL-EZE

201 & 202		6	12.00	2.11
3801376	12	50		23.94
Handpiece	12	55	3.72	6.09

DENTAMERICA

Hilux 350	12	75	19.15	18.62
Litex 660 & 680	12	75	19.15	18.62

DENTECH

Ultima II	12	100	5.74	8.77
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DENTSPLY EQUIPMENT/YORK

70353	120	250	13.23	15.89
Perspective & Retrospective				
	12	75	15.58	17.58
Spectrum 200R	10	52	32.98	
Triad 2000	120	250	15.13	17.95
Triad TCU11	21	150	13.23	15.84

DeTRET

Prismetics	12	75	19.15	18.62
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PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
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DEXTA

Star II	12	20	4.50	3.17
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DOLAN JENNER

Fibrelite 170, 170D, 176	21	150	13.23	15.84
180	21	150	12.92	11.10
190	10.8	30	28.46	16.83

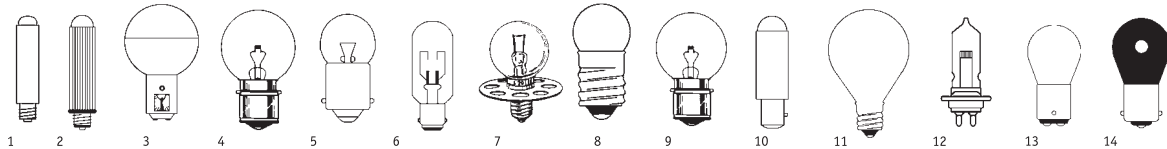
EFOS

3008	120	150	20.34	
3009	10	52	32.98	
3010	12	75	35.11	
3011	21	150	12.14	18.12
3014	15	150	14.08	14.27
3015	120	250	15.13	17.95
3016	12	75	19.15	18.62
3017	24	200	12.14	16.46
3018	21	150	13.55	13.74
3019	120	150	17.28	42.81
3020	12	100	15.12	17.69
3021	12	100	28.19	28.77
3022	21	150	13.23	15.84
3023	21	150	28.54	20.79
3024	21	150		24.21
3026	14	35	26.43	19.66
3027	21	150	12.92	11.10
3028	120	150	35.07	26.93
3029	14	35	26.43	19.66
3032	12	50	3.47	
3034	100	150		15.71
3035	12	75	15.58	17.58
3036	12	50	12.14	12.52
3038	24	250	4.61	6.87
3039	10	52	32.98	
3040	8	50	15.58	20.78
3047	22	17.11	3.62	
3048	6	12.00	2.11	
3049	8	14.62	2.11	
3049B	8		2.11	
3050	6	8.79	2.11	
3051	8	7.21	2.11	
3052	13	10.94	4.02	
3053	14	9.40		
3054	14	12.32		
3055	14	14.68	1.60	
3056	14	16.51		
3057	15	7.68	2.98	
3058	15	11.53	3.49	
3059	12	100	5.74	8.77
4070	24	150	3.45	4.23
4071	12	55	3.72	6.09
4072	120	125		24.55
4073	120	250	15.89	11.83
4074	24	150	14.76	9.41
4075	24	150	3.45	4.23
4076	25	150		12.66
4079	28	75		14.64
4080	14.5	90	13.89	19.12
4081	12	100	12.13	9.26
4084	30	50	22.92	18.89
4085	12	20	4.50	3.17

ELLMAN

Conversion	120	250	15.89	11.83
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* While available



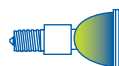
Figures may represent more than one lamp on this page. See matching information on page 32.

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
ENVISION IMAGING TECH				
Polaris Intra Oral	100	150	15.71	
ESPE				
Elipar 2	12	75	35.11	
EURODENT				
FCS	24	150	3.45	4.23
FARO				
Koolbeam Light	24	150	14.76	9.41
P287 Polymerizing Lamp	14	35	26.43	19.66
Sunlight 70 (Original Units)	24	150	3.45	4.23
Sunlight 70 (Upgraded Units)	24	150	14.76	9.41
Sunlight S90, S200, S2000	24	150	14.76	9.41
FIAD				
The Light	12	55	3.72	6.09
FIRST MEDICA				
950-302	12	75	19.15	18.62
FOREST				
DZE/FDS	24	150	14.76	9.41
FUJI OPTICAL SYSTEMS				
DentaCam 2, 11, 50, 100	15	150	14.08	14.27
VisionPlus	100	150	15.71	
FULTON				
DentaCam (Oral Camera)14	300	395.00	367.69	
HARRY J BOSWORTH				
Superlight	15	150	14.08	14.27
Bosworth Light LCO	120	150	35.07	26.93
HEALTHCO				
Aristocrat I, Aristocrat II-new	12	75	19.15	18.62
Aristocrat II-gun	14	35	26.43	19.66
Aristocrat Celebrity	12	55	3.72	6.09
DE 100 & 200	14	16.51		
Healthco VLC Wand	120	250	15.13	17.95
High Intensity VLC Unit	15	150	14.08	14.27
HENRY SCHEIN				
Crusader	24	150	14.76	9.41
Economy	12	75	26.70	
Maxima 250	14	35	26.43	19.66
Star Brite	25	150	14.76	9.41
VCL 200	12	75	19.15	18.62
VCL 300	12	100	28.19	28.77
J MORITA				
Exam/Operating Light	24	150	3.45	4.23
KAVO AMERICA				
553-3881	3.5	2.5	19.15	
Vicon DLS, Vicon Polar II	120	250	15.13	17.95
Vicon LS II, LS Polar II	12	100	4.98	5.07
Vicon LS Illuminator	120	250	15.13	17.95

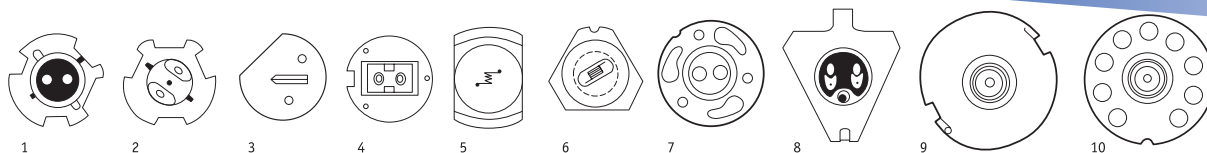
PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
KERR MANUFACTURING				
15512 12V	12	100	28.19	28.77
15512 21V	21	150	12.14	18.12
KINETIC INSTRUMENTS				
Sunlite 2	21	150	13.23	15.84
Sunspot, Sunspot E	12	100	28.19	28.77
KNIGHT MANUFACTURING				
DZE/FDS	24	150	14.76	9.41
Model L	24	150	3.45	4.23
KULZER				
Translux 2, EC, EX	15	150	14.08	14.27
Translux CL	12	100	28.19	28.77
LADES				
Quartz Fire	120	250	15.13	17.95
Apollo CP	12	75	19.15	18.62
LASAC TECH				
LT1 5000	12	75	19.15	18.62
LD CAULK				
Caulk PR1, Prisma Lite	24	200	12.14	16.46
Maxlite	14	35	26.43	19.66
Prismetrics Lite	12	100	28.19	28.77
Pro Lite	14	35	26.43	19.66
Spectrum	10	52	32.98	
LESTER A DINE				
Oral Scan	21	150	13.55	13.74
LITEMA				
Arcus II	10	52	32.98	
Pluraflex HL 150	15	150	14.08	14.27
LUXO				
X-Ray Viewing Box	15	11.53	3.49	
MARUS				
Exam Light	24	150	14.76	9.41
MDT/CASTLE				
Rolux I	24	200	12.14	16.46
Rolux II	30	50	22.92	18.89
12-2024-20	30	50	22.92	18.89
125T10P	120	125	24.55	
49455	120	150	22.66	11.43
516767	24	60	16.17	
60976	120	100	22.66	11.13
60979	120	100	22.66	11.13
8415P	120	150	14.74	9.84
MEGADENTA				
Megalux	12	75	19.15	18.62
MEGA PHYSIK				
Cromalux 100	12	75	19.15	18.62
Optima 250, Optimeca 250	24	250	4.61	6.87
MISSION WHITE				
JCR/M12V-100W	12	100	28.19	28.77
MOTLOID				
Compolite 660	12	75	19.15	18.62

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
NEW IMAGE INDUSTRIES				
AcuCam 12V, Intraview 12	100	15.12	17.69	
AcuCam 120V	120	250	15.13	17.95
Dental View	100	150	15.71	
Multi Cam	12	100	15.12	17.69
NSK				
Omega 750	12	75	26.70	
Optica Fibre Optic Light	12	100	15.12	17.69
Opticure	12	100	15.12	17.69
O'RYAN INDUSTRIES				
ONE	120	150	17.28	42.81
Omega 110	120	150	17.28	42.81
Omega 510	120	150	17.28	42.81
ORAL VISION				
ETJ	120	250	15.13	17.95
PANASONIC				
KS102 Fibre Optic Monitor	12	100	15.12	17.69
	21	150	13.23	15.84
PATTERSON DENTAL				
TCL 390	14	35	26.43	19.66
PELTON & CRANE				
#008044	13	13.85	2.11	
#008045	8	7.21	2.11	
Older Models	120	125	24.55	
Executive, Spirit	14	9.40		
LF1 & LF2 Dental Light	25	150	12.66	
PENN MED				
200L (Wand)	21	150	13.23	15.84
200L (Original Wand)	120	150	35.07	26.93
300L, 310 (Gun)	12	75	19.15	18.62
Pluraflex HL 150	15	150	14.08	14.27
PENTRON INDUSTRIES				
Avanti	12	75	19.15	18.62
PHASEALLOY				
WiteLite (Gun)	12	75	19.15	18.62
WiteLite (Wand)	120	150	35.07	26.93
20-016	120	150	35.07	26.93
20-255	12	100	28.19	28.77
PLAN MECA				
Delight	24	150	3.45	4.23
PORTER				
Daystar 509B	24	150	14.76	9.41
PRO-DEN SYSTEMS				
20-016	120	150	35.07	26.93
20-055	12	100	28.19	28.77
64617	12	75	19.15	18.62
PRODENTEC				
Oral Vision Scope	120	250	15.13	17.95
Prism	12	100	15.12	17.69
ProCam C1000	30	50	22.92	18.89
PROVISION IMAGING				
DIS	120	250	15.13	17.95

* While available



Medical/Scientific Lamps



Figures may represent more than one lamp on this page. See matching information on page 32.

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
RITTER				
114041	25	150		12.66
151-001	120	25	7.68	1.03
2300	120	100	22.66	11.13
H	120	125		24.55
J Starlite	28	75	14.64	
K Super Starlite	24	150	14.76	9.41
H3 12V 55W	12	55	3.72	6.09
SATELEC				
Servolite	8	50	15.58	20.78
SCI CAN				
Dual Lux 2&3 (Illuminator)	21	150	12.92	11.10
Dual Lux 2 (Curing)	120	250	15.13	17.95
Dual Lux 3 (Curing)	21	150	13.55	13.74
SDS				
FCS	24	150	3.45	4.23
H3	12	55	3.72	6.09
SEL CAR				
1350	21	150	13.55	13.74
Fantastic 1300	12	55	3.72	6.09

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
SIEMENS				
A1/E1 Sirona	24	150	3.45	4.23
SOLID STATE SYSTEMS				
Initiator	15	150	14.08	14.27
SS WHITE				
Profile VCL	21	150	12.14	18.12
Profile VCS	12	100	28.19	28.77
STAR DENTAL				
Endo Viewer, TR 130		8	14.62	2.11
Mini Viewer		6	12.00	2.11
Star DE 100,120, 150, 160, 200		14	16.51	
Starflite	21	150	28.54	20.79
TELEDYNE GETZ				
Focus Activator	12	100	28.19	28.77
UNITEK				
Ortholux, Ortholux XT	12	75	19.15	18.62

PRODUCT CODE	VOLTS	WATTS	\$COL.1	\$COL.2
VACUDENT				
DZE/FDS	24	150	14.76	9.41
VIVADENT				
Heliomat (Multi), H-10	15	150	14.08	14.27
Heliolux, Heliolux 2	14	35	26.43	19.66
Heliolix DLX	12	75	26.70	
Heliolux GT	12	75	19.15	18.62
Heliomat, Vivadent B	21	150	13.55	13.74
WEBER				
Panavision	120	125		24.55
SK100	12	100	12.13	9.26
SK580	14.5	90	13.89	19.12
SK800	14.5	90	13.89	19.12
SK900	14.5	90	13.89	19.12
WEIL DENTAL				
Elcelux	14	35	26.43	19.66
WYKLE RESEARCH				
Witelite 1500	12	75	19.15	18.62



Deuterium Lamps

Deuterium lamps are available for UV Detectors, AA Spectrometers, Fluorometers, and Spectrophotometers.

Following is a list of the manufacturers for which we can provide the light sources:

AGILENT
ALLTECH
AMERSHAM
AMINCO
APPLIED BIOSYSTEMS (ABI)
ATI/UNICAM
AVIV
BAS
BAUSCH & LOMB
BECKMAN
BIO-RAD
BIOTEK
BUCHI
CAMAG
CARLO ERBA
CARY
COLE-PARMER

DIONEX
DUPONT
EM SCIENCE
ERC
ESA
FISHER
GBC
GILFORD
GILSON
GYNKOTEK
HAC
HERAEUS
HEWLETT-PACKARD
HITACHI
HNU
IBM
ISCO

JASCO
JY (JOVIN YVON)
KNAUER
KONTRON
KRATOS
LAB ALLIANCE
LC PACKINGS
LDC
LINEAR
LKB
MCPHERSON
MERCK
MICHROM BIORESOURCES
MILTON-ROY
MOLECULAR DEVICES
OI
PERKIN-ELMER
PERSEPTIVE BIOSYSTEMS
PHARMACIA

PROTERION
PYE UNICAM
RAININ
ROSEMOUNT ANALYTICAL
SCIENTIFIC SYSTEMS INC (SSI)
SCHOEFFEL
SEDEX
SHIMADZU
SIEVERS
SPECTRA PHYSICS
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SPEX
THERMAL ELECTRON
THERMAL SEPARATION
PRODUCTS
TRANSGENOMIC
UNICAM
VARIAN
WATERS

Please call or fax with your brand, model number, and manufacturer's lamp part number for pricing and availability on these light sources.



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NEW FOR 2010!



NEW LED MR16, PAR 16, PAR 20, PAR 30 & PAR 38 BULBS
FROM SYLVANIA *pages 17 & 34*

NEW LED MR16, PAR 20 & PAR 30 BULBS
FROM GE *pages 34 & 38*

NEW LED A SHAPE BULBS & CANDLE SHAPE BULBS
pages 17, 34 & 38

12 PLUS SPECIALS are now on page 30
COMPACT FLUORESCENT BULBS are on pages 39 to 41
LCD PROJECTION INFORMATION is on pages 4 & 5
MEDICAL BULBS are on pages 47 to 59

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