

**BULBWORKS**

SPECIALTY LIGHTBULBS AND SOCKETS

**Consumer**

**PRICE SHEET & CROSS REFERENCE GUIDE**

**July, 2016**



**Replacement Lamps For:  
OPTICAL COMPARATORS,  
Inspection Equipment  
& Precision Optical Equipment**

Replacement Lamps For Baty Gagemaster;  
Bendix; Deltronic; J & L; MicroVu;  
Mitutoyo; Nikon; OGP; Scherr Tumico; Starrett;  
Vermont Precision; & Many Others

Bulbworks, Inc.  
P.O. Box 586 · Succasunna, NJ 07876

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Replacement Lamps For:

## Optical Comparators

Inspection Equipment & Precision Optical Equipment

# Price Sheet & Cross Reference Guide

## July, 2016

(Good Through July 31, 2017)

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*Pay Less, Expect More...*

Just because our lamps cost less doesn't mean you'll get less! See for yourself why Bulbworks is fast catching the attention of Dealers, Equipment Manufacturers and Specialty Lamp Buyers all over the country. We will quickly become a valuable asset to your business.

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**The same brands used by the equipment manufacturers, but you'll save big!**

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**Save On The Bulbs You Need! Call For Any Item Not Listed!**  
(Prices Good Through July 31, 2017)

*For Baty; J & L; MicroVu; Mitutoyo; Nikon; OGP; Scherr Tumico; Vermont Precision; and More At Low Low Prices!*

Industry Stand.Code	Description	Osram No	Philips No	Bulbworks P/N	Price Ea.	Fig.No.
BCL	120V,300W	-	-	BW.BCL (Delisted)	\$66.35	11
BEC	115-120V,150W	-	-	BW.BEC***	32.45	44
BEJ	120V,200W	-	-	BW.BEJ	36.45	44
BEY	20V,100W,5AG16.5/3	-	-	BW.BEY	47.35	63
BHD	20V,100W	-	-	BW.BHD (Delisted)**	112.00	36
BRL	12V,50W	64610	7027	BW.BRL	8.27	26
BRL-OSRAM	12V,50W	64610	7027	BW.BRL-OSR <i>Osram Brand</i>	8.85	26
BTL	120V,500W	-	6800C	BW.BTL	64.25	5
BTL-GE	120V,500W	-	6800C	BW.BTL-GE <i>GE Brand</i>	71.30	5
BTM	120V,500W	-	-	BW.BTM	75.80	4
BTR	120V,1000W	-	-	BW.BTR	55.75	5
BTR-OSRAM	120V,1000W	-	-	BW.BTR-OSR <i>Osram Brand</i>	61.00	5
BXE	10V,7.5A	-	-	BW.BXE	17.10	37
CPR	6V,18A T10 MEDIUM PREFOCUSED BASE	-	-	BW.CPR**	154.30	9
CPS	6V,100W	-	-	BW.CPS (Delisted)**	150.00	-
CXK	115-125V,300W MEDIUM PREFOCUSED BASE	-	-	BW.CXK	39.25	7
CXL/CXR	8V,50W	58.8007	13120C	BW.CXL.CXR	50.95	64
CXZ	120V,1500W	64762	-	BW.CXZ***	181.75	21
CYX	120V,2000W	64790	6377P	BW.CYX	97.50	21
CZX/DAB	120V,500W	58.8880E	6152C	BW.CZX.DAB <i>Ushio Brand</i>	86.98	7
CZX/DAB-GE	120V,500W	58.8880E	6152C	BW.CZX.DAB-GE (Delisted)** <i>GE Brand</i>	94.50	7
DDL	20V,150W	-	-	BW.DDL	21.05	15
DDL-OSRAM	20V,150W	-	-	BW.DDL-OSR <i>Osram Brand</i>	22.60	15
DDS	21V,80W	-	13160	BW.DDS	24.65	16
DFD	120-125V,1000W	-	7242C	BW.DFD (Delisted)**	23.16	7
DFT	120V,1000W	58.8985E	-	BW.DFT (Delisted)**	69.75	7
DHT	120V,1200W	-	-	BW.DHT (Delisted)**	71.35	7
DKM-GE	21.5V,250W	-	-	BW.DKM-GE (Delisted)** <i>GE Brand</i>	72.35	12
DKN	6V,35W	-	-	BW.DKN (Delisted)**	58.95	12
DKR	21V,150W	-	-	BW.DKR (Delisted)**	104.50	12
DLR	21.5V,250W	-	-	BW.DLR (Delisted)**	61.50	12
DLS/DLG/DHX*	22V,150W	-	-	BW.DLS.DLG.DHX* (Delisted)**	CALL	13
DN921	120V,1200W	-	-	BW.FSG <i>Import Brand</i>	106.75	6
DSW*	24V,200W	-	-	BW.DSW (Delisted)**	CALL	13
DTJ	120V,1500W	-	-	BW.DTJ	90.95	8
DUV35W	35W SPECIAL MERCURY	-	-	BW.DUV35W	340.25	71
DYS	120V,600W	-	-	BW.DYS	18.45	24
EFN	12V,75W	64615	6853	BW.EFN	23.15	16
EFN-OSRAM	12V,75W	64615	6853	BW.EFN-OSR <i>Osram Brand</i>	24.90	16
EFP	12V,100W	64627	6834	BW.EFP	23.15	14
EFP-OSRAM	12V,100W	64627	6834	BW.EFP-OSR <i>Osram Brand</i>	25.45	14
EFR	15V,150W	64634	6423	BW.EFR	23.15	16
EFR-OSRAM	15V,150W	64634	6423	BW.EFR-OSR <i>Osram Brand</i>	25.60	14
EHJ	24V,250W	64655	7748	BW.EHJ	12.75	25
EHJ-OSRAM	24V,250W	64655	7748	BW.EHJ-OSR <i>Osram Brand</i>	14.95	25
EJA	21V,150W	-	-	BW.EJA	18.15	16
EJA-OSRAM	21V,150W	-	-	BW.EJA-OSR <i>Osram Brand</i>	23.15	16
EJL	24V,200W	64644	13164	BW.EJL	21.85	16
EJL-OSRAM	24V,200W	64644	13164	BW.EJL-OSR <i>Osram Brand</i>	24.05	16
EJL-USHIO	24V,200W	64644	13164	BW.EJL-USH <i>Ushio Brand</i>	24.95	16
EJV	21V,150W	-	-	BW.EJV	23.65	16
EJV-OSRAM	21V,150W	-	-	BW.EJV-OSR <i>Osram Brand</i>	25.45	16
EKE	21V,150W	-	-	BW.EKE	16.26	16
EKE-GE	21V,150W	-	-	BW.EKE-GE <i>GE Brand</i>	20.79	16
EKE-HC	21V,150W MR16 GX5.3 BASE HIGH COLOR	-	-	BW.EKE-HC***	33.66	16
EKE-OSRAM	21V,150W	-	-	BW.EKE-OSR <i>Osram Brand</i>	20.15	16
EKE-PHILIPS	21V,150W	-	-	BW.EKE-PHIL <i>Philips Brand</i>	20.50	16
EKE-USHIO	21V,150W	-	-	BW.EKE-USH <i>Ushio Brand</i>	18.60	16

\*Delisted Lamp-If For Use In ST-Industries Comparator See Page 11 For Information About Retrofit Kits

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Industry Stand.Code	Description	Osram No	Philips No	Bulbworks P/N	Price Ea.	Fig.No.	
EKP	30V,80W	-	-	BW.EKP	\$36.70	15	
EKP-IMP	30V,80W	-	-	BW.EKP-IMP	17.75	15	
EKZ	10,8V,30W	-	-	BW.EKZ	25.50	16	
EL-2	8V,12W	-	-	BW.EL-2	16.35	51	
EL-3B	8V,12W	-	-	BW.EL-3B	9.60	50	
EL25C	8V,24W	-	-	BW.EL-25C	31.50	-	
ELC	24V,250W	64653	13163	BW.ELC	18.23	16	
ELC-OSRAM	24V,250W	64653	13163	BW.ELC-OSR	Osram Brand	20.50	16
ELS	16V,50W	-	-	BW.ELS	72.50	18	
ENH	120V,250W	-	13095	BW.ENH	26.25	16	
ESA	6V,10W	64225	7387	BW.ESA	Philips Brand	6.57	29
ESA-OSRAM	6V,10W	64225	7387	BW.ESA-OSR	Osram Brand	6.82	29
ESB	6V,20W	64250	7388	BW.ESB	Philips Brand	6.62	29
ESB-OSRAM	6V,20W	64250	7388	BW.ESB-OSR	Osram Brand	6.62	29
EVA	12V,100W	64623	7724	BW.EVA	14.15	26	
EVA-OSRAM	12V,100W	64623	7724	BW.EVA-OSR	Osram Brand	16.50	26
EVC/FGX	24V,250W	64657	6958	BW.EVC.FGX	21.35	25	
EVC/FGX-OSRAM	24V,250W	64657	6958	BW.EVC.FGX-OS	Osram Brand	20.60	25
EXY	82V,250W	-	13632	BW.EXY	24.70	19	
EXZ	12V,50W	-	6649	BW.EXZ	12.25	16	
FAV	11.5V,100W	-	-	BW.FAV (Delisted)**	116.10	48	
FCR	12V,100W	64625	7023	BW.FCR	8.55	26	
FCR-OSRAM	12V,100W	64625	7023	BW.FCR-OSR	Osram Brand	9.90	26
FCR-USHIO	12V,100W	64625	7023	BW.FCR-USH	Ushio Brand	10.05	26
FCS	24V,150W	64640	7158	BW.FCS	7.69	25	
FCS-EIKO	24V,150W	64640	7158	BW.FCS-EIKO	Eiko Brand	9.15	25
FCS-OSRAM	24V,150W	64640	7158	BW.FCS-OSR	Osram Brand	9.12	25
FCS-PHILIPS	24V,150W	64640	7158	BW.FCS-PHIL	Philips Brand	9.15	25
FCS-USHIO	24V,150W	64640	7158	BW.FCS-USH	Ushio Brand	9.30	25
FC6T9.CW	20W 6" FLUORESCENT RING LIGHT COOL WHITE			BW.FC6T9.CW	11.55	80	
FC8T9.BLB	22W 8" FLUOR. RING LIGHT BLACK LIGHT BLUE			BW.FC8T9.BLB	37.40	81	
FC8T9.CW	22W 8" FLUORESCENT RING LIGHT COOL WHITE			BW.FC8T9.CW	15.95	80	
FC8T9.D	22W 8" FLUORESCENT RING LIGHT DAYLIGHT			BW.FC8T9.D	16.45	80	
FC8T9.350BL	22W 8" FLUORESCENT RING LIGHT BLACK LIGHT			BW.FC8T9.350BL	38.60	80	
FC12T9.CW	32W 9" FLUORESCENT RING LIGHT COOL WHITE			BW.FC12T9.CW	14.98	80	
FC12T9.D	32W 9" FLUORESCENT RING LIGHT DAYLIGHT			BW.FC12T9.D	CALL	80	
FC72T5VW-285	VIEW WHITE FLUORESCNET RING LIGHT			BW.FC72T5VW-285	93.50	76	
FCB74LD	74MM DIAMETER FLUOR. RING LIGHT DAYLIGHT			BW.FCB74LD	148.60	75	
FCB80A	80MM DIAMETER FLUOR. RING LIGHT 4 PINS IN A ROW			BW.FCB80A	42.75	79	
FCB80D	80MM DIAMETER FLUOR. RING LIGHT DAYLIGHT			BW.FCB80D	185.95	75	
FCB92D	92MM DIAMETER FLUOR. RING LIGHT DAYLIGHT			BW.FCB92D	115.40	75	
FDS/DZE	24V,150W	64643	5974	BW.FDS.DZE	17.05	22	
FDT	12V,100W	64628	5973	BW.FDT	14.73	23	
FDT-OSRAM	12V,100W	64628	5973	BW.FDT-OSR	Osram Brand	21.90	23
FDT-USHIO	12V,100W	64628	5973	BW.FDT-USH	Ushio Brand	22.25	23
FDV	24V,150W	64642	-	BW.FDV	16.70	25	
FDV-OSRAM	24V,150W	64642	-	BW.FDV-OSR	Osram Brand	21.75	25
FDV-USHIO	24V,150W	64642	-	BW.FDV-USH	Ushio Brand	22.45	25
FHS	82V,300W	-	13634	BW.FHS	22.05	19	
FL150	80MM DIAMETER FLUOR. RING LIGHT 4 PINS 90 DEG.			BW.FL150	84.95	98	
FSG (DN921)	120V,1200W	-	-	BW.FSG	Import Brand	106.75	6
F4T5.BLB	4W BLACK LIGHT BLUE FLUORESCENT			BW.F4T5.BLB	13.05	72	
F10T8.BLB	10W BLACK LIGHT BLUE FLUORESCENT			BW.F10T8.BLB	22.95	73	
F20T12.BLB	20W BLACK LIGHT BLUE FLUORESCENT			BW.F20T12.BLB	27.52	74	
HBO200W/DC	200W DIRECT CURRENT			BW.HBO200W.DC	398.00	66	
HBO200W/DC/TML1*	200W MERCURY THREAD METRIC			BW.HBO200W2TML1	392.60	66	
HBO200W2/L1	200W MERCURY			BW.HBO200W.2.L1	434.50	66	

\*Formerly HBO200W2TML1

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Industry Stand.Code	Description	Osram No	Philips No	Bulbworks P/N	Price Ea.	Fig.No.
HBO200W2/TML1	200W MERCURY THREAD METRIC			BW.HBO200W2TML1	\$392.60	66
HBO200W2/TML2	200W MERCURY THREAD METRIC			BW.HBO200W2TML1 (Replaces L2)	392.60	66
HEX0188041	2.5V HEINE			BW.HEX0188041***	70.75	59
HSW125	125V,125W ED23 1/2 BLACK LIGHT BLUE			BW.HSW125	87.95	70
HTI150W	150W METAL HALIDE			BW.HTI150W	362.50	67
HTI150W	150W METAL HALIDE			BW.HTI150W-IMP	109.50	67
HTI250W/32C	250W METAL HALIDE WITH CONNECTOR			BW.HTI250W.32C	612.00	82
HTI400W/24	400W METAL HALIDE			BW.HTI400W.24	592.40	82
H44GS-100	100W SPECIAL MERCURY PAR38 ADMED BASE			BW.H44GS-100 (Delisted) ***	145.50	68
H44GS100MDSK	100W SPECIAL MERCURY PAR38 MEDIUM SKIRTED BASE			BW.H44GS100MDSK	141.25	69
H705	SOCKET FOR GZ6.35 BASE TYPES			BW.H705	43.10	84
H706	SOCKET FOR GX5.3 BASE TYPES			BW.H706	43.10	84
JA24V-70WD	24V,70W	-	-	BW.JA24V-70WD	14.90	32
JC6V-15W	6V,15W	-	-	BW.JC6V-15W	9.05	30
JC12V-50W	12V,50W	-	-	BW.JC12V-50W	11.34	26
JC12V-50WG1	12V,50W	-	-	BW.JC12V-50WG1	13.05	26
JC12V-50WH20	12V,50W	-	-	BW.JC12V-50W	11.34	26
JC24V-300WB	24V,300W	-	-	BW.JC24V-300WB	37.30	27
JRM12V-10WG4	12V,10W	-	-	BW.JRM12V-10WG4	10.30	17
L1009	3.5V,1.5W	-	-	BW.L1009	68.15	60
L1024	3.5V,2W	-	-	BW.L1024	68.15	61
M34	6V,20W	-	-	BW.M34	14.90	29
M36	24V,250W	-	-	BW.M36	34.80	28
MB84117	6V,5W DC BAYONET BASE			BW.MB84117***	61.30	40
OP2128	6V,15W DC BAYONET			BW.OP2128	23.85	43
QEW	SOCKET FOR GY; GZ9.5 BASE LAMPS			BW.QEW	12.70	87
QLV-1	SOCKET FOR MR16 GX5.3 BASE LAMP			BW.QLV-1	18.70	83
RL3742	SOCKET (CERAMIC) FOR MED.PREF.LAMPS (P28S)			BW.RL3742	46.40	85
S-5203	12V,10W G4 1/2 9MM SC BAYONET			BW.S-5203	41.40	49
SAH250B	250W MERCURY (Contact Us For Retrofit Options)			BW.SAH250B (Delisted)**	CALL	10
SC-120-8	SOCKET FOR G;GX;GY;GZ 6.35 BASE			BW.SC-120-8	13.10	94
SR24V-MS	24V,2.4W			BW.SR24V-MS	8.75	46
SR120V-MB	120V.2.6W T3 1/4 BA9S BASE			BW.SR120V-MB	6.85	39
TP9	SOCKET FOR GY6.35 BASE			BW.TP9	20.45	92
TP17	SOCKET FOR G;GX;GY;GZ 6.35 BASE			BW.TP-17 (Delisted)**	CALL	94
TP27	SOCKET FOR GZ9.5 BASE LAMPS			BW.TP27	16.80	88
TP120	SOCKET FOR G;GX;GY5.3 BASE			BW.TP120	16.70	95
TQ-BTL	BLACK LIGHT BLUE RING LIGHT			BW.TQ-BTL	165.00	77
TQ-WTL	RING LIGHT 5600 DEGREES K			BW.TQ-WTL ***	114.25	76
USH102DH	100W MERCURY DBL. ENDED			BW.USH102DH	164.92	65
USH205DP	200W MERCURY DBL.ENDED			BW.USH205DP	354.00	66
USH250D	250W MERCURY DBL.ENDED			BW.USH250D	425.95	66
USH350DP	350W MERCURY LAMP			BW.USH350DP	457.50	-
WA03000	3.5V,720MA			BW.WA03000 Welch Allyn Brand	47.87	53
03000	3.5V,720MA			BW.03000	25.65	53
WA03100	3.5V,720MA TL1 1/2 LENS END			BW.WA03100 Welch Allyn Brand	51.30	55
03100	3.5V,720MA TL1 1/2 LENS END			BW.03100	25.65	55
WA03400	2.5V HALOGEN			BW.WA03400 Welch Allyn Brand	45.73	57
03400	2.5V HALOGEN			BW.03400	25.65	57
WA03900	2.5V HALOGEN			BW.WA03900 Welch Allyn Brand	57.95	58
03900	2.5V HALOGEN			BW.03900	14.05	58
WA04900	3.5V HALOGEN SC GROOVE			BW.WA04900 Welch Allyn Brand	64.95	54
04900	3.5V HALOGEN SC GROOVE BASE			BW.04900	21.45	54
10S11N	120-130V,10W S11 INT.SCREW BASE			BW.10S11N	4.50	47
12V20W	12V,20W TUBULAR FESTOON			BW.12V20W	25.40	62
25T8/DC	120V,25W T8 DC BAYONET BASE			BW.25T8.DC-120V	6.40	41

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46	6.3V,0.25A MINIATURE SCREW			BW.46*	\$1.75	46
50	7.5V,0.22A MINIATURE SCREW			BW.50*	1.74	45
52	14.4V,0.1A MINIATURE SCREW			BW.52*	1.74	45
55	7V,0.41A MINIATURE BAYONET			BW.55*	2.42	49
70A	10V,70W			BW.70A (Delisted)**	110.10	33
90	13V,0.58A DC BAYONET			BW.90*	2.70	43
100T8.1SC	20V,100W SC BAYONET			BW.100T8.1SC	18.25	38
194	14V,0.27A T3 1/4 WEDGE BASE			BW.194*	2.25	52
787	6V,10W G4 HAL.BI-PIN			BW.787	14.02	31
902	SOCKET FOR G;GY6.35 BASE TYPES			BW.902	16.15	91
905	SOCKET FOR G;GY6.35 BASE TYPES			BW.905	16.15	93
1073	12.8V,1.80A SC BAYONET			BW.1073*	1.62	34
1183	5.5V,6.25A SC BAYONET			BW.1183	4.25	35
1594	6V,30W DC BAYONET			BW.1594	11.20	42
1619	6.7V,13.37W SC BAYONET			BW.1619	7.87	34
1724	6.2V,4.5A DC BAYONET			BW.1724	14.60	42
2820	12V,2W T3 1/4 WEDGE BASE			BW.2820 (Delisted)	CALL	52
3742	SOCKET (CERAMIC) FOR MED.PREF.LAMPS (P28S)			BW.RL3742 (Replaced BW.3742)	46.40	85
3743	SOCKET (PLASTIC) FOR MED.PREF.LAMPS (P28S)			BW.3743***	76.75	85
6461	12V,10W			BW.6461	4.90	62
7350	SOCKET FOR DC BAYONET (BA15D)			BW.7350	56.10	89
03000	3.5V,720MA			BW.03000	25.65	53
WA03000	3.5V,720MA			BW.WA03000 Welch Allyn Brand	47.87	53
03100	3.5V,720MA TL1 1/2 LENS END			BW.03100	25.65	55
WA03100	3.5V,720MA TL1 1/2 LENS END			BW.WA03100 Welch Allyn Brand	51.30	55
03400	2.5V HALOGEN			BW.03400	25.65	57
WA03400	2.5V HALOGEN			BW.WA03400 Welch Allyn Brand	45.73	57
03900	2.5V HALOGEN			BW.03900	14.05	58
WA03900	2.5V HALOGEN			BW.WA03900 Welch Allyn Brand	57.95	58
04900	3.5V HALOGEN SC GROOVE BASE			BW.04900	21.45	54
WA04900	3.5V HALOGEN SC GROOVE			BW.WA04900 Welch Allyn Brand	64.95	54
16121	2.5V.0.28A 8/32" THREADED BASE			BW.16121	13.95	56
41900SP	12V,20W GY4 BASE			BW.41900SP	28.95	20
57901	12V,50W			BW.57901	38.10	27
64440	12V,50W			BW.64440	8.30	26
64451	24V,60W H3 PK22S BASE			BW.64451	32.80	32
64637	12V,100W			BW.64637	45.90	16
64638	24V,100W T3 G6.35 BASE			BW.64638	24.20	25
64638	24V,100W T3 G6.35 BASE			BW.64638-IMP	16.52	25
64653	24V,250W MR16			BW.64653	27.65	16
71256	10V,70W MED.PREF.BASE			BW.71256	41.95	2
71502	12V,200W SC PREF.BLACK TOP			BW.71502***	157.50	3
71818	10V,70W			BW.71818	34.50	1
72168	15V,150W			BW.72168	191.50	2
200-727	12V,100W MED.PREF. BASE			BW.200-727***	98.50	1
201-131	12V,150W SC PREF.BASE			BW.201-131***	CALL	1
247-008	15V,2W			BW.247-008***	50.95	45
247-050	12V,2W			BW.194 (Bulb Only)*	2.25	52
20-1517-00	RETROFIT KIT FOR ST1500 SERIES			BW.20-1517-00	CALL	-
22-3829-04	FAN FOR ST 30" RETROFIT			BW.22-3829-04	250.00	-
22-3933-02	RETROFIT FOR ST SURFACE BULB			BW.22-3933-02	250.00	-
22-3934-04	RETROFIT FOR ST PROFILE BULB			BW.22-3934-04	250.00	-
22-3934-09	RETROFIT FOR ST PROFILE BULB			BW.22-3934-09	250.00	-
7460-0026	SOCKET FOR GX, GY, GZ17Q BASE TYPES			BW.7460-0026**	CALL	86

\*Miniature Lamps Must Be Ordered In Packs Of Ten. Prices Shown Are Per Bulb

\*\*Delisted Lamp. Subject to Availability. \*\*\* Price is for Stock on Hand Only.

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Figure 1      Figure 2      Figure 3      Figure 4      Figure 5      Figure 6      Figure 7      Figure 8      Figure 9



Figure 10      Figure 11      Figure 12      Figure 13      Figure 14      Figure 15      Figure 16



Figure 17      Figure 18      Figure 19      Figure 20      Figure 21      Figure 22      Figure 23



Figure 24      Figure 25      Figure 26      Figure 27      Figure 28      Figure 29      Figure 30      Figure 31      Figure 32

**Pictures Are For Reference Only And Are Not To Scale**  
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Figure 68



Figure 69



Figure 70



Figure 71



Figure 72



Figure 73



Figure 74



Figure 75



Figure 76



Figure 77



Figure 78



Figure 79



Figure 80



Figure 81



Figure 82



Figure 83



Figure 84



Figure 85



Figure 86



Figure 87



Figure 88



Figure 89



Figure 90



Figure 91



Figure 92



Figure 93



Figure 94



Figure 95

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## Replacement Lamps For Optical Comparators And Inspection Equipment

### Cross Reference Guide (Prices Good Through July 31, 2017)

*Here's Just A Partial List...*

<u>Manufacturer</u>	<u>Mfr.Part No.</u>	<u>Lamp Code</u>	<u>Description</u>	<u>Bulbworks P/N</u>	<u>Price</u>	<u>Fig.</u>
<b>Anca</b> Model JG-7		JA24V-70WD	24V,70W	BW.JA24V-70WD	\$14.90	32
<b>Baty Gagemaster</b>						
Models #14, 20, 29, 30, 50, 350, R14, R14XL, R400, SM14, SM20-XL-2, SM50, SM350						
Profile Illuminator	247-005	EVA; 64623	12V,100W	BW.EVA-OSR	16.50	26
Profile Illuminator Socket	247-021	902 Socket	G;GY6.35 BASE TYPE	BW.902	16.15	91
Surface Illuminator	247-064	EFP; 64627	12V,100W	BW.EFP-OSR	25.45	14
Surface Illuminator Socket	247-068	H705 Socket	FOR USE WITH EFP	BW.H705	43.10	84
Angle Measurement	247-050	247-050	14V,.27A T3 1/4 BASE	BW.194****	2.25	52
	247-008	247-008	15V,2W MIN.SCREW	BW.247-008***	50.95	45
Models R600, R770, SM20, SM24, SM120-XL						
Profile Illuminator	247-006	FDV, 64627	24V,250W	BW.FDV-OSR	21.75	26
Profile Illuminator Socket	247-021	902 Socket	G;GY6.35 BASE TYPE	BW.902	16.15	91
Surface Illuminator	247-069	ELC, 64653		BW.ELC-OSR	20.50	14
Surface Illuminator Socket	247-075	H706 Socket	FOR USE WITH ELC	BW.H706	43.10	84
Models R14, R122, R400, R600, R770, SM14, SM20, SM24, SM350						
Profile And On Axis Surface Socket						
	247-021	902 Socket	G;GY6.35 BASE TYPE	BW.902	16.15	91
Models R600, R770, SM20						
On Axis Lamp	247-006	FDV, 64627	24V,250W	BW.FDV-OSR	21.75	26
On Axis Socket	247-021	902 Socket	G;GY6.35 BASE TYPE	BW.902	16.15	91
Model SM20-XL-2						
On Axis Lamp	247-005	EVA; 64623	12V,100W	BW.EVA-OSR	16.50	26
On Axis Socket	247-021	902 Socket	G;GY6.35 BASE TYPE	BW.902	16.15	91
Model 28						
Profile Illuminator	247-005	EVA; 64623	12V,100W	BW.EVA-OSR	16.50	26
Surface Illuminator	247-080	EKZ	10.8V,30W	BW.EKZ	25.50	16
Model 40						
Profile Illuminator	247-027	EVC/FGX	24V,250W	BW.EVC.FGX-OS	20.60	25
Surface Illuminator	247-027	EVC/FGX	24V,250W	BW.EVC.FGX-OS	20.60	25
Models 80, 89						
Profile Illuminator	247-027	EVC/FGX	24V,250W	BW.EVC.FGX-OS	20.60	25
Surface Illuminator	247-069	ELC, 64653		BW.ELC-OSR	20.50	14
For Some Other Baty Models:						
		FCR-OSR	12V,100W	BW.FCR-OSR	9.90	26
		JC12V-50WG1	12V,50W	BW.JC12V-50WG1	13.05	26
	076-223	EKE	21V,150W	BW.EKE	16.26	16
Vantage (Fostec), Venture (Fostec) Models						
	9000-127	DDL	20V,150W	BW.DDL-OSR	22.60	15
<b>Bendix</b>						
		5AG16.5/3	20V,100W	BW.BEY	\$47.35	63
<b>Blanchette</b> - Visual Gage						
		1619	6.7V,13.37W	BW.1619	\$7.87	34
<b>Bridger</b> Model 1000 VE126						
		EFP	12V,100W	BW.EFP-OSR	\$25.45	14
<b>Covel Comparator</b>						
		25T8DC-120	120V,25W	BW.25T8.DC-120V	\$6.40	41
		BHD	20V,100W	BW.BHD (Delisted)**	112.00	36
<b>Deltronic</b>						
Angle Measurement (Several Models)	46-000-900	52	14.4V,0.1A	BW.52****	\$1.74	45
Model DH14						
Profile Illuminator	46-000-400	64623	12V,100W	BW.EVA-OSR	16.50	26
Surface Illuminator	46-000-401	64627	12V,100W	BW.EFP-OSR	25.45	14
Model DH214; DH216; DV114						
Profile Illuminator	46-000-402	FDV;64642	24V,150W	BW.FDV-OSR	21.75	25
Surface Illuminator	46-000-404	ELC;64653	24V,250W MR16	BW.ELC	18.23	16

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Lamps for Deltronic Are Continued On the Next Page

**Replacement Lamps For Optical Comparators And Inspection Equipment**  
**Cross Reference Guide** (Prices Good Through July 31, 2017)

<u>Manufacturer</u>	<u>Mfr.Part No.</u>	<u>Lamp Code</u>	<u>Description</u>	<u>Bulbworks P/N</u>	<u>Price</u>	<u>Fig.</u>
<b><u>Deltronic</u> - Deltronic Lamps Are Continued From Previous Page</b>						
Model DVC115 Video Vision System	46-000-407	64637	12V,100W	BW.64637	\$45.90	16
Model DVC120 Video Vision System	46-000-403	EFN	12V,75W	BW.EFN	23.15	16
*Use EFN in both positions replacing two different bulbs formerly used.						
Model 330A-IN Both Positions	46-000-400	EVA; 64623	12V,100W	BW.EVA-OSR	16.50	26
VMS121 And Other Models	46-000-406	EKZ	10.8V,30W	BW.EKZ	25.50	16
For Some Other Models	46-000-401	64627	12V,100W	BW.EFP-OSR	25.45	14
	46-065-600	Socket For 46-000-401 Lamp		BW.TP-17 (Delisted)**	CALL	94
	46-000-400	64623	12V,100W	BW.EVA-OSR	16.50	26
	46-000-403	EFN	12V,75W	BW.EFN	23.15	16
Socket	46-000-501	TP9	FOR GY6.35 BASE	BW.TP9	20.45	92
Socket	46-005-601	TP120	FOR G,GX,GY5.3	BW.TP120	16.70	95
Socket	46-065-600	TP-17	FOR G,GX,GY,GZ6.35	BW.TP-17 (Delisted)**	CALL	94
<b><u>Demco</u> Model E96/B1 Alloy Grinder (E19 or B19)</b>						
			12.8V,1.80A	BW.1073****	\$1.62	34
<b><u>Dorsey Gage</u></b>						
Model 16H		EFP;64627	12V,100W	BW.EFP-OSR	\$25.45	14
For Some Other Dorsey Models		FDV;64642	24V,150W	BW.FDV-OSR	21.75	25
		ELC;64653	24V,250W MR16	BW.ELC	18.23	16
<b><u>Federal Products</u></b>						
		JC24V-300W	24V,300W	BW.JC24V-300WB	\$37.30	28
<b><u>Flexbar</u></b>						
For Some Flexbar Models		16121	2.5V,0.28A	BW.16121	\$13.95	56
		12V20W	12V,20W	BW.12V20W	25.40	62
<b><u>Fowler</u></b>						
Officelux		JC6V-15W	6V,15W	BW.JC6V-15W	\$9.05	30
Model 53-900		JC12V-50W	12V,50W	BW.JC12V-50W	11.34	26
Video 500 Systems		54-711-095	6V,20W	BW.M34	14.90	29
44" Model 52-900-100		JC12V-50W	12V,50W	BW.JC12V-50W	11.34	26
For Some Other Fowler Models	53-650-925	6461	12V,10W	BW.6461	4.90	62
	51-30012-00	USH102DH	100W MERCURY	BW.USH102DH	164.92	65
<b><u>Genx</u></b>						
Profile Illuminator		BHD/BHF	20V,100W	BW.BHD (Delisted)**	\$112.00	36
<b><u>J &amp; L (Jones &amp; Lamson)</u></b>						
Model BC14	31966	BXE	10V,7.5A	BW.BXE	\$17.10	37
Models BC14 & PC14 (Older 6 Volt Models)		1183	5.5V,6.25A RP11 SC BAY.	BW.1183	4.25	35
Model Classic 14F	93940		21.5V,250W	BW.DKM-GE (Delisted)**	72.35	12
Model Epic 14F		HSA350SB	350W MERCURY	BW.USH350DP	457.50	-
Model Epic 30						
Profile Illuminator	91991	SAH250B	250W MERCURY	BW.SAH250B	CALL	10
Surface Illuminator	94397	CYX	120V,2000W	BW.CYX	97.50	21
Model Epic 220:	91991	SAH250B	250W MERCURY	BW.SAH250B	CALL	10
		HSH250-7446		CALL	CALL	-
Model Epic 230 Surface:	94397	CYX	120V,2000W	BW.CYX	97.50	21
Model FC14						
Profile Illuminator	91991	SAH250B	250W MERCURY	BW.SAH250B	CALL	10
Socket		Socket (Ceramic) For SAH250B Lamp		BW.RL3742	46.40	85
Socket		Socket (Plastic) For SAH250B Lamp		BW.3743*	76.75	85
Surface Illuminator	94630	FSG; DN921	120V,1200W	BW.FSG	106.75	6
Obsolete Surface Illuminator	91640	DHT	120V,1200W	BW.DHT (Delisted)**	71.35	7
Model FC30 (Newer Models 1 of 2 lamps)		FDT;64648	12V,100W	BW.FDT-OSR	21.90	23
Model FC30	35-20-4270-1	1183	5.5V,6.25A RP11 SC BAY	BW.1183	4.25	35
Model PC14, PC14A	35-20-2195-1	BXE	10V,7.5A	BW.BXE	17.10	37

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Lamps for J & L Are Continued On the Next Page



## Replacement Lamps For Optical Comparators And Inspection Equipment

### Cross Reference Guide (Prices Good Through July 31, 2017)

<u>Manufacturer</u>	<u>Mfr.Part No.</u>	<u>Lamp Code</u>	<u>Description</u>	<u>Bulbworks P/N</u>	<u>Price</u>	<u>Fig.</u>
<b>J &amp; L (Jones &amp; Lamson)</b> - J & L Lamps Are Continued From Previous Page						
Model PC14A; Classic 14T	95673	FDT;64648	12V,100W	BW.FDT-OSR	\$21.90	23
Socket (01-52-1032-2)	95694	TP27 Socket	FOR GZ9.5 BASE	BW.TP27	16.80	88
Model TC10	91991	SAH250B	250W MERCURY	BW.SAH250B	CALL	10
Model TC14 (Older Models)	31966	BXE	10V,7.5A	BW.BXE	17.10	37
Model TC14 (Newer Models)	95673	FDT	12V,100W	BW.FDT	14.73	23
Model Vertech 14	94397	CYX	120V,2000W	BW.CYX	97.50	21
For Some Other J & L Models	01-52-2029-1	ELC	24V,250W MR16	BW.ELC	18.23	16
	95673	FDT; 64628	12V,100W	BW.FDT-OSR	21.90	23
	94630	FSG; DN921	120V,1200W	BW.FSG	106.75	6
	01-52-219-04	QEW Socket	For GY;GZ9.5 BASE	BW.QEW	12.70	87
		1183	5.5V,6.25A RP11 SC BAY	BW.1183	4.25	35
		DYS	120V,600W GY9.5 BASE	BW.DYS	18.45	24
	93936	BTR	120V,1000W	BW.BTR	55.75	5
		DLR	21.5V,250W	BW.DLR (Delisted)**	61.50	12
		USH250D	250W MERCURY	BW.USH250D	425.95	67
		32982	DFD	120-125V,1000W	BW.DFD (Delisted)**	23.16
96397	CXZ	120V,1500W	BW.CXZ	181.75	21	
<b>Kodak Comparator</b> - (Also See OGP - Optical Gaging Products)						
Model 2A Contour		100T10P6V	6V,100W	BW.CPT (Delisted)	CALL	-
	422838	100T10/7-6V	6V,100W	BW.CPS (Delisted)**	\$150.00	-
With Retrofit	423507		120V,1000W	BW.BTR	55.75	5
Surface Reflection		DFT	120V,1000W	BW.DFT (Delisted)**	69.75	7
Kodak 30" Model	423509	CZX/DAB	120V,500W	BW.CZX.DAB	86.98	7
Retrofits Are Available For Some Model Kodak Comparators - Call For Further Information.						
<b>MicroVu</b>						
Century Model C 14" & 30"						
Profile Illuminator		M36	24V,250W	BW.M36	\$34.80	28
Surface Illuminator		BCL	120V,300W	BW.BCL	66.35	11
Century Model E Optical 14"; Model M103						
Profile Illuminator	L7390	EVA	12V,100W	BW.EVA-OSR	16.50	26
Surface Illuminator		ELS	16V,50W	BW.ELS	72.50	18
Matrix & Vector Optical With Or Without Edge Detector						
Profile Illuminator		64440	12V,50W	BW.64440	8.30	26
Surface Illuminator		BCL	120V,300W	BW.BCL	66.35	11
Model H14						
Profile Illuminator		64440	12V,50W	BW.64440	8.30	26
Surface Illuminator		ELS	16V,50W	BW.ELS	72.50	18
Models M14; 500HP; 400HP; 300; 400; 600						
Profile Illuminator		1724*	6.2V,4.5A	BW.1724	14.60	42
Surface Illuminator		ELS	16V,50W	BW.ELS	72.50	18
*If Retrofit Has Been Installed Use #73401		L7394	6V,20W	BW.M34	14.90	29
Model M30-IV		DDS	21V,80W	BW.DDS	24.65	16
Model 614 (Uses 2 Bulbs)		DKN	6V,35W 4 PIN BASE	BW.DKN (Delisted)**	58.95	12
Series V Optical						
Profile Illuminator		1724	6.2V,4.5A	BW.1724	14.60	42
Surface Illuminator		BCL	120V,300W	BW.BCL	66.35	11
Old V-Series Video With Edge Detector V200, V250, V2500 H14 Video						
Profile Illuminator		90	13V,0.58A DC BAYONET	BW.90****	2.70	43
Surface Illuminator		EKE	21V,150W	BW.EKE	16.26	16
For Spectra & Matrix Vector & Century Manual Qubix (No Edge Detector)						
Profile Illuminator		L1009	3.5V,1.5W	BW.L1009	68.15	60
Surface Illuminator		EKE	21V,150W	BW.EKE	16.26	16
Same As Above But With Edge Detector						
Profile Illuminator		L1024	3.5V,2W	BW.L1024	68.15	61
Surface Illuminator		EKE	21V,150W	BW.EKE	16.26	16

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Lamps for MicroVu Are Continued On the Next Page





**Replacement Lamps For Optical Comparators And Inspection Equipment**  
**Cross Reference Guide** (Prices Good Through July 31, 2017)

<u>Manufacturer</u>	<u>Mfr.Part No.</u>	<u>Lamp Code</u>	<u>Description</u>	<u>Bulbworks P/N</u>	<u>Price</u>	<u>Fig.</u>
<b>MicroVu - MicroVu Lamps Are Continued From Previous Page</b>						
Socket For Spectra; Vector; Matrix; and Qubix Models Using EKE Lamp			GX5.3 BASE	BW.QLV-1	\$18.70	83
Spectra 14" Optical With Or Without Edge Detector						
Profile Illuminator	L7390 (7347)		12V,100W	BW.EVA-OSR	16.50	26
Surface Illuminator	ELS (7341)		16V,50W	BW.ELS	72.50	18
Some Other MicroVu Models	1724		6.2V,4.5A	BW.1724	14.60	42
	EVA		12V,100W	BW.EVA	14.15	26
	64623		12V,100W	BW.EVA-OSR	16.50	26
	1594		6V,30W DC BAYONET	BW.1594	11.20	42
	EKE		21V,150W	BW.EKE	16.26	16
	ELS		16V,50W	BW.ELS	72.50	18
	600-7350	7350		Socket	BW.7350	56.10
<b>Mitutoyo</b>						
Model GFL10202 Manual Vision System		57901	12V,50W	BW.57901	\$38.10	27
Model MBKH1 Micro Hardness Tester		OP2128	6V,15W	BW.OP2128	23.85	43
Model PH14LS & PHA14 (172-810A)						
New#	512-305	FDV	24V,150W	BW.FDV	16.70	25
New#	512-305	64642	24V,150W	BW.FDV-OSR	21.75	25
Model PH350 (Newer Models); PJ250-H						
Profile Illuminator	512-437	EVA	12V,100W	BW.EVA	14.15	26
Surface Illuminator	512-305 (172-952)	FDV	24V,150W	BW.FDV	16.70	25
Model PH350 (Older Models)						
Profile Illuminator	201-131		12V,150W	BW.201-131	CALL	1
Surface Illuminator	201-131		12V,150W	BW.201-131	CALL	1
Model PH3500 Series (Including 3515F)						
Profile Illuminator	515-530	FCS	24V,150W	BW.FCS	7.69	25
Surface Illuminator	64PPP277	ELC	24V,250W MR16	BW.ELC	18.23	16
Older Model PJ250	200-727	-	12V,100W MED. PREF.	BW.200-727	98.50	1
Model PJ250B	200-672	-	10V,70W	BW.71818	34.50	1
Model PJ300	201-131	-	12V,150W	BW.201-131	CALL	1
Model PJ311 Old#	515-530	FCS	24V,150W	BW.FCS	7.69	25
Model PV350						
Profile Illuminator	512-437	EVA	12V,100W	BW.EVA	14.15	26
Surface Illuminator	512-305	FDV	24V,150W	BW.FDV	16.70	25
TM Series Toolmaker's Microscope		101-479	6.3V,0.25A	BW.46****	1.75	46
Other Mitutoyo Toolmaker's Scopes		64PPP516	12V,10W BA9S	BW.S-5203	41.40	49
		64PPP672	12V,10W	BW.JRM12V-10WG4	10.30	17
Model 505-510 Series 176 Toolmaker's Microscope						
Model 176-811A; 176-808	383-038	24V-MS	24V,2.4W	BW.SR24V-MS	8.75	46
Other Mitutoyo Models:						
	01-0066	EKE	21V,150W	BW.EKE-USH	18.60	16
	101-479	46	6.3V,0.25A	BW.46****	1.75	46
	172-952	FDV	24V,150W	BW.FDV	16.70	25
	172-952	64642	24V,150W	BW.FDV-OSR	21.75	25
	201-131	-	12V,150W	BW.201-131	CALL	1
	512-437	EVA	12V,100W	BW.EVA	14.15	26
	512-437	64623	12V,100W	BW.EVA-OSR	16.50	26
	515-557	EL-25C	8V,24W	BW.EL-25C	31.50	-
	515-559	EL-3B	8V,12W	BW.EL-3B	9.60	50
	-	EL-2	8V,12W	BW.EL-2	16.35	51
	-	ESB; 7388	6V,20W	BW.ESB	6.62	29
	-	64250	6V,20W	BW.ESB-OSR	6.62	29
<b>Mondo</b>						
Video Insp. System	A1/230		12V,75W	BW.EFN	\$23.15	16

\*\*\*\*Miniature Lamps Must Be Ordered In Packs Of Ten. Prices Shown Are Per Bulb.

**Replacement Lamps For Optical Comparators And Inspection Equipment**  
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<u>Manufacturer</u>	<u>Mfr.Part No.</u>	<u>Lamp Code</u>	<u>Description</u>	<u>Bulbworks P/N</u>	<u>Price</u>	<u>Fig.</u>
<b><u>Nikon</u></b>						
Model H14A	72168	72168	15V,150W	BW.72168	\$191.50	2
Model H14B	76513	76513	12V,100W	BW.FCR	8.55	26
Model TM20	76516	76516	12V,50W	BW.BRL-OSR	8.85	26
Model V Vertical	72168	72168	15V,150W	BW.72168	191.50	2
Model V12	71826	71826	24V,150W	BW.FCS-OSR	9.12	25
Model V16A	72168	72168	15V,150W	BW.72168	191.50	2
Model V16 B;C;E	71826	71826	24V,150W	BW.FCS-OSR	9.12	25
Model 2A,3,3A,3C	71256	71256	10V,70W	BW.71256	41.95	2
Model 2A,3,3A,6C Shadowgraph	71818	71818	10V,70W	BW.71818	34.50	1
Model 5A,5B Surface Illuminator	CXK	CXK	115-125V,300W	BW.CXK	39.25	7
Model 5A,5B,R14,H38,V24,V24A,V24AS	71502	71502	12V,200W BLACK TOP	BW.71502*	157.50	3
Models 15;16	72168	72168	15V,150W	BW.72168	191.50	2
Some Other Nikon Models:	71818	71818	10V,70W	BW.71818	34.50	1
	71819	71819	21V,150W	BW.DKR (Delisted)**	104.50	12

<b><u>OGP (Optical Gaging Products)</u> - (Also See Kodak)</b>						
	423507	BTR	120V,1000W	BW.BTR	\$55.75	5
B & L Model 20 & Early OGP						
Profile Illuminator	218524	BEY(5AG16.5/3)	20V,100W	BW.BEY	47.35	63
Surface Illuminator		DTJ	120V,1500W	BW.DTJ	90.95	8
Excello 30" Contour		BTL	120V,500W	BW.BTL	64.25	5
		BTL-GE	120V,500W	BW.BTL-GE	71.30	5
	423500	FDT	12V,100W	BW.FDT	14.73	23
	423500	64628	12V,100W	BW.FDT-OSR	21.90	23
	425967	EVC/FGX	24V,250W	BW.EVC.FGX	21.35	25
	425967	64657	24V,250W	BW.EVC.FGX-OS	20.60	25
	426725	ELC	24V,250W	BW.ELC	18.23	16
	Excello Model 14814		100T10P-6V	6V,100W	BW.CPT (Delisted)**	CALL
Excello 30-826		DTJ	120V,1500W	BW.DTJ	90.95	8
Focus (Some Models)	427216	EXY	82V,250W	BW.EXY	24.70	19
Focus (Other Models)	427303	FHS	82V,300W	BW.FHS	22.05	19
FOV Smart Scope	521963	EFP	12V,100W	BW.EFP-OSR	25.45	14
Model Avant 400	521963	EFP	12V,100W	BW.EFP-OSR	25.45	14
Model OQ30B	426538	HTI400W/24	400W METAL HALIDE	BW.HTI400W.24	592.40	82
Model OQ300311						
Profile Illuminator	423500	FDT	12V,100W	BW.FDT-OSR	21.90	23
Surface Illuminator	424567	FAV	11.5V,100W	BW.FAV (Delisted)**	116.10	48
Model QC-DCC Video	423500	FDT	12V,100W	BW.FDT-OSR	21.90	23
	521963	EFP	12V,100W	BW.EFP-OSR	25.45	14
Model QL20	426725	ELC	24V,250W	BW.ELC	18.23	16
	424567	FAV	11.5V,100W	BW.FAV (Delisted)**	116.10	48
Model XL30	12887A0004	HBO200W2TML1*)	200W MERCURY	BW.HBO200W2TML1*	392.60	66
Opticon Qualifier 14B						
Profile Illuminator	423500	64628	12V,100W	BW.FDT-OSR	21.90	23
Surface Illuminator	425967	64657	24V,250W	BW.EVC.FGX-OS	20.60	25
Opticon Qualifier30 - Newer	427425	HBO200W2TML1*)	200W MERCURY	BW.HBO200W2TML1*	392.60	66
Opticon Qualifier30 - Older						
Profile May Have Used		BTM	120V,500W	BW.BTM	75.80	4
Surface May Have Used	423507	BTR	120V,1000W	BW.BTR	55.75	5

\*Can Use Equivalent Brand Ushio Lamp

\*\*Delisted Lamp. Subject to Availability. Price is for Stock on Hand Only.

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<u>Manufacturer</u>	<u>Mfr.Part No.</u>	<u>Lamp Code</u>	<u>Description</u>	<u>Bulbworks P/N</u>	<u>Price</u>	<u>Fig.</u>
<b>OGP (Optical Gaging Products) - OGP Lamps Are Continued From Previous Page</b> (Also See Kodak)						
14" Benchtop Model	427573	64642	24V,150W	BW.FDV-OSR	\$21.75	25
Smartscope 1300	427332	EKP	30V,80W	BW.EKP	36.70	15
Some Other OGP Models		CPR	6V,18A	BW.CPR	154.30	9
	427303	FHS	82V,300W	BW.FHS	22.05	19
	427573	FDV	24V,150W	BW.FDV	16.70	25
	427573	64642	24V,150W	BW.FDV-OSR	21.75	25
	421864	HBO200WDCTML1 (Formerly HBO200W2TML1*)	200W MERCURY	BW.HBO200W2TML1	392.60	66
*Can Use Equivalent Brand Ushio Lamp		USH205DP	200W MERCURY	BW.USH205DP	354.00	66
<b>Pexit Paragon</b> 60" Model		EHJ	24V,250W	BW.EHJ-OSR	\$14.95	25
<b>Portman</b> Comparator		BEJ	120V,200W	BW.BEJ	\$36.45	44
<b>Prazis</b>	58-8007	CXL/CXR	8V,50W	BW.CXL.CXR	\$50.95	64
<b>Ram Optical</b> (Some Models)		EJV	21V,150W	BW.EJV	\$23.65	16
<b>Rank Pneumo</b>	48-5766-00	DSW	24V,200W	BW.DSW	CALL	13
<b>Scherr Tumico</b>						
Model 20-2450						
Profile Illuminator	48-7271-00	FDV	24V,150W	BW.FDV	\$16.70	25
Surface Illuminator	48-8086-00	EKE	21V,150W	BW.EKE	16.26	16
Model 20 - 3500, 3600, 4450, 4500 & 4600 Series						
Profile Illuminator	48-7271-00	FDV	24V,150W	BW.FDV-OSR	21.75	25
Surface Illuminator	48-7747-00	EFP;64627	12V,100W	BW.EFP-OSR	25.45	14
Model 20-4500	48-6701-00	ENH	120V,2501	BW.ENH	26.25	16
Model 22-2500 Series						
Profile Illuminator	48-5766-00	DSW*	24V,200W 4 PIN BASE	BW.DSW	CALL	13
Surface Illuminator	48-5442-00	DLS/DLG/DHX*	22V,150W 4 PIN BASE	BW.DLS.DLG.DHX*(Delisted)**	CALL	13
Model 22-3001						
Profile Illuminator	48-5442-00	DLS/DLG/DHX*	22V,150W 4 PIN BASE	BW.DLS.DLG.DHX*(Delisted)**	CALL	13
Surface Illuminator	48-6701-00	ENH	120V,250W	BW.ENH	26.25	16
Model 22-5800 (Before June 1, 1998)						
Profile Illuminator	48-5766-00	DSW*	24V,200W 4 PIN BASE	BW.DSW	CALL	13
Surface Illuminator	48-5442-00	DLS/DLG/DHX*	22V,150W 4 PIN BASE	BW.DLS.DLG.DHX*(Delisted)**	CALL	13
Model 22-5800 (After June 1, 1998)						
Profile Illuminator	48-8088-00	EJL	24V,200W	BW.EJL	21.85	16
Surface Illuminator	48-8086-00	EKE	21V,150W	BW.EKE	16.26	16
Model 1500 Series						
Profile Illuminator	48-5442-00	DLS/DLG/DHX*	22V,150W	BW.DLS.DLG.DHX* (Delisted)**	CALL	13
Surface Illuminator	48-5279-00	CZX/DAB	120V,500W	BW.CZX.DAB	86.98	7
Model 2536 Profile	48-7271-00	FDV	24V,150W	BW.FDV	16.70	25
Some Other Models	48-6563-00	50	7.5V,0.22A	BW.50	1.74	45
	48-6575-00	55	7V,0.41A MINI BAYONET	BW.55	2.42	49
	48-6701-00	ENH	120V,250W	BW.ENH	26.25	16
Profile Illuminator	48-7271-00	FDV	24V,150W	BW.FDV	16.70	25
	5A/G16½/3	BEY	20V,100W	BW.BEY	47.35	63
With BEY Retrofit	48-7271-00	64642	24V,150W	BW.FDV-OSR	21.75	25

\* Price is for Stock on Hand Only. \*\* Delisted Lamp. Subject to Availability.

Lamps for Scherr Tumico Are Continued On the Next Page

**Replacement Lamps For Optical Comparators And Inspection Equipment**  
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<u>Manufacturer</u>	<u>Mfr.Part No.</u>	<u>Lamp Code</u>	<u>Description</u>	<u>Bulbworks P/N</u>	<u>Price</u>	<u>Fig.</u>
<b><u>Scherr Tumico</u> - Scherr Tumico Lamps Are Continued From Previous Page</b>						
<b>*Retrofit Kits From ST-Industries For Some 14" Models (Please Provide Serial Number) Using DLS/DLG/DHX (48-5442-00) Lamps:</b>						
To Replace DLS/DLG/DHX Lamp Use Kit 20-1517-00 Kit Includes Bulb & Instructions				<b>BW.20-1517-00****</b>	<b>CALL</b>	<b>-</b>
<b>*Retrofit Kits From ST-Industries For 14" Model 22-3001 Using DLS/DLG/DHX (48-5442-00) Lamps:</b>						
For Profile Illuminator Use Kit BW.22-3934-09 Kit Includes Bulb & Instructions				<b>BW.22-3934-09***</b>	<b>\$250.00</b>	<b>-</b>
<b>*Retrofit Kits From ST-Industries For All 30" Models Using DSW (48-5766-00) &amp; DLS/DLG/DHX (48-5442-00) Lamps:</b>						
For Profile Illuminator Use Kit BW.22-3934-04 Kit Includes Bulb & Instructions				<b>BW.22-3934-04**</b>	<b>250.00</b>	<b>-</b>
Heavy Duty Fan Required For all 30" Comparator Lamp Houses Use With Kit 22-3934-04 Above				<b>BW.22-3829-04</b>	<b>250.00</b>	<b>-</b>
For Surface Illuminator Use Kit BW.22-3933-02 Kit Includes 2 Bulbs & Instructions				<b>BW.22-3933-02***</b>	<b>250.00</b>	<b>-</b>
**For Spare Profile Bulbs Order	48-8088-00	EJL	24V,200W	<b>BW.EJL-USH</b>	<b>24.95</b>	<b>16</b>
***For Spare Surface Bulbs Order	48-8086-00	EKE	21V,150W	<b>BW.EKE</b>	<b>16.26</b>	<b>16</b>
****For Spare Bulbs Order	48-7271-00	FDV	24V,150W	<b>BW.FDV-OSR</b>	<b>21.75</b>	<b>25</b>
<b><u>Shinko Seiki</u></b>						
Profile Illuminator	70A	-	10V,70W	<b>BW.70A (Delisted)*</b>	<b>\$110.10</b>	<b>33</b>
<b><u>Starrett Precision</u></b>						
Model HB350 & HE350						
Profile Illuminator	34026 (P10099)	FCR	12V,100W	<b>BW.FCR</b>	<b>\$8.55</b>	<b>26</b>
	34026 (P10099)	64625 (FCR)	12V,100W	<b>BW.FCR-OSR</b>	<b>9.90</b>	<b>26</b>
Surface Illuminator	34018	EFP	12V,100W	<b>BW.EFP</b>	<b>23.15</b>	<b>14</b>
	34018	64627 (EFP)	12V,100W	<b>BW.EFP-OSR</b>	<b>25.45</b>	<b>14</b>
Model HB400						
Profile Illuminator	34019 (P10104)	FCS	24V,150W	<b>BW.FCS</b>	<b>7.69</b>	<b>25</b>
	34019 (P10104)	64640 (FCS)	24V,150W	<b>BW.FCS-OSR</b>	<b>9.12</b>	<b>25</b>
Socket For Profile Illuminator		905	G;GY6.35 BASE	<b>BW.905</b>	<b>16.15</b>	<b>93</b>
Surface Illuminator	34462	64653 (ELC)	24V,250W	<b>BW.64653</b>	<b>27.65</b>	<b>16</b>
Socket For Surface Illuminator		H706	GX5.3 BASE	<b>BW.H706</b>	<b>43.10</b>	<b>84</b>
Model HC400						
Profile Illuminator	34019 (P10104)	FCS	24V,150W	<b>BW.FCS</b>	<b>7.69</b>	<b>25</b>
	34019 (P10104)	64640 (FCS)	24V,150W	<b>BW.FCS-OSR</b>	<b>9.12</b>	<b>25</b>
Surface Illuminator	34462	64653	24V,250W	<b>BW.64653</b>	<b>27.65</b>	<b>16</b>
Model HC800 (Older Models)						
	8T20	HT1150W	150W METAL HALIDE	<b>BW.HT1150W</b>	<b>362.50</b>	<b>67</b>
Model HC800 (Newer Models)						
Profile Illuminator	P12418	HBO200W.DC	200W DIRECT CURRENT	<b>BW.HBO200W.DC</b>	<b>398.00</b>	<b>66</b>
Surface Illuminator	P12416	HTI250W/32C	250W METAL HALIDE	<b>BW.HTI250W.32C</b>	<b>612.00</b>	<b>82</b>
Model HD400						
Profile Illuminator	34019 (P10104)	FCS	24V,150W	<b>BW.FCS</b>	<b>7.69</b>	<b>25</b>
	34019 (P10104)	64640 (FCS)	24V,150W	<b>BW.FCS-OSR</b>	<b>9.12</b>	<b>25</b>
Surface Illuminator	34462 (P10103)	64653 (ELC)	24V,250W	<b>BW.64653</b>	<b>27.65</b>	<b>16</b>
Models HE400 (Earlier Models) & Sigma VF600						
Profile Illuminator	34019	FCS	24V,150W	<b>BW.FCS</b>	<b>7.69</b>	<b>25</b>
	34019	64640 (FCS)	24V,150W	<b>BW.FCS-OSR</b>	<b>9.12</b>	<b>25</b>
Surface Illuminator	34018	EFP	12V,100W	<b>BW.EFP</b>	<b>23.15</b>	<b>14</b>
	34018	64627	12V,100W	<b>BW.EFP-OSR</b>	<b>25.45</b>	<b>14</b>
Socket For Surface Illuminator		H705	GZ6.35	<b>BW.H705</b>	<b>43.10</b>	<b>84</b>
Model HE400 (Later Models)						
Profile Illuminator	34026 (P10099)	FCR (F007)	12V,100W	<b>BW.FCR</b>	<b>8.55</b>	<b>26</b>
	34026 (P10099)	64625 (FCR)	12V,100W	<b>BW.FCR-OSR</b>	<b>9.90</b>	<b>26</b>
Surface Illuminator	34018	EFP	12V,100W	<b>BW.EFP</b>	<b>23.15</b>	<b>14</b>
	34018	64627 (EFP)	12V,100W	<b>BW.EFP-OSR</b>	<b>25.45</b>	<b>14</b>

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<u>Manufacturer</u>	<u>Mfr.Part No.</u>	<u>Lamp Code</u>	<u>Description</u>	<u>Bulbworks P/N</u>	<u>Price</u>	<u>Fig.</u>
<b><u>Starrett Precision</u> - Starrett Precision Lamps Are Continued From Previous Page</b>						
Model HF600						
Profile Illuminator	HL19	64640	24V,150W	BW.FCS-OSR	\$9.12	25
Surface Illuminator	FO07	64657	24V,250W	BW.EVC.FGX-OS	20.60	25
Model HF750						
Profile Illuminator	34018	64627	12V,100W	BW.EFP-OSR	25.45	14
Surface Illuminator	34019	64640	24V,150W	BW.FCS-OSR	9.12	25
Model ST1500		BEC	115-120V,150W	BW.BEC*	32.45	44
<b><u>Stocker &amp; Yale</u></b>						
For Some Stocker & Yale Models		EKE-HC	21V,150W	BW.EKE-HC*	\$33.66	16
		F4T5.BLB	4W BLACK LIGHT BLUE	BW.F4T5.BLB	13.05	72
		FC72T5VW-285	VIEW WHITE RING LIGHT	BW.FC72T5VW-285	93.50	76
		TQ-BTL	BLACK LIGHT BLUE RING	BW.TQ-BTL	165.00	77
		TQ-WTL	RING LIGHT 5300 DEG. K	BW.TQ-WTL	114.25	76
<b><u>Suburban Tool</u></b>						
Master View 14" Profile Illuminator		64638	24V,100W	BW.64638	\$24.20	25
		64638-IMP	24V,100W	BW.64638-IMP	16.52	25
Master View 14" Surface Illuminator		EJA	21V,150W	BW.EJA	18.15	16
		EJA-OSR	21V,150W	BW.EJA-OSR	23.15	16
<b><u>Sunnex</u></b>						
Bench, Task & Work Light	2450	64451	24V,60W H3	BW.64451	\$32.80	32
<b><u>Swiss Precision Instruments</u></b>						
Model P0750		EFR 64634	15V,150W	BW.EFR-OSR	\$25.60	14
		JC24V-300WB	24V,300W	BW.JC24V-300WB	37.30	28
<b><u>Techniquip</u></b>						
For Some Techniquip Models		TQ-BTL	BLACK LIGHT BLUE RING	BW.TQ-BTL	\$165.00	77
		TQ-WTL	RING LIGHT 5300 DEG. K	BW.TQ-WTL	114.25	76
<b><u>Titan</u></b>						
Fiber Optic Illuminator Model FOL1B	Q1250	EJA	21V,150W	BW.EJA	\$18.15	16
Viewer TMTVS 51210	188041		2.5V HEINE	BW.HEX0188041*	70.75	59
<b><u>Unison</u> Truflute</b>						
		10S11N	120-130V,10W	BW.10S11N	\$4.50	47
<b><u>Vermont Precision</u> Some Models</b>						
		JC24V-300WB	24V,300W	BW.JC24V-300WB	\$37.30	28

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