

# Microscope Replacement Lamp Specialist

Hi-Tech Lamps, Inc.  
Toll Free - 800-229-6509  
[www.hi-techlamps.com](http://www.hi-techlamps.com)

| Manufacturer, Model   | Manufacturer Lamp Part Number | Description     | Hi-Tech Lamps Part Number |
|-----------------------|-------------------------------|-----------------|---------------------------|
| American Optical 40   | 621                           | 120V 15W        | 15T7BA15D                 |
| American Optical 50   | 611                           | 120V 15W        | 15S11/102CL               |
| American Optical 78   | 386                           | 120V 25W        | 25S115C120V               |
| American Optical 218  | 334                           | 6.5V 1.7A       | 812                       |
| American Optical 328  | 334                           | 6.5V 1.7A       | 812                       |
| American Optical 354  | 360                           | 6.5V 2.75A      | 1493                      |
| American Optical 359  | 360                           | 6.5V 2.75A      | 1493                      |
| American Optical 363  | 1033                          | 6.5V 2.75A      | 1460                      |
| American Optical 364  | 1033                          | 6.5V 2.75A      | 1460                      |
| American Optical 369  | 1033                          | 6.5V 2.75A      | 1460                      |
| American Optical 370  | 375                           | 120V 100W BA15S | 100G16.5BA15S             |
| American Optical 385  | 386                           | 120V 25W        | 25S115C120V               |
| American Optical 579  | 1033                          | 6.5V 2.75A      | 1460                      |
| American Optical 583  | 1121                          | 6V 20W          | 778                       |
| American Optical 600  | 602                           | 120V 100W       | BMY                       |
| American Optical 603  | 360                           | 6.5V 2.75A      | 1493                      |
| American Optical 605  | 611                           | 120V 15W        | 15S11/102CL               |
| American Optical 610  | 611                           | 120V 15W        | 15S11/102CL               |
| American Optical 612  | 611                           | 120V 15W        | 15S11/102CL               |
| American Optical 614  | 611                           | 120V 15W        | 15S11/102CL               |
| American Optical 615  | 621                           | 120V 15W        | 15T7BA15D                 |
| American Optical 616  | 611                           | 120V 15W        | 15S11/102CL               |
| American Optical 623  | 624                           | 6V 10W          | ESA                       |
| American Optical 645  | 649                           | 200W Mercury    | USH205DP, HBO200W2L2      |
| American Optical 653  | 360                           | 6.5V 2.75A      | 1493                      |
| American Optical 735  | 375                           | 120V 100W BA15S | 100G16.5BA15S             |
| American Optical 1000 | 1005                          | 2.33V .27A      | 233                       |
| American Optical 1031 | 1120                          | 6V 20W          | 788                       |
| American Optical 1034 | 611                           | 120V 15W        | 15S11/102CL               |
| American Optical 1036 | 1033                          | 6.5V 2.75A      | 1460                      |
| American Optical 1037 | 611                           | 120V 15W        | 15S11/102CL               |
| American Optical 1048 | 634                           | 2.5V .35A       | 252                       |
| American Optical 1130 | 1120                          | 6V 20W          | 788                       |
| American Optical 1139 | 611                           | 120V 15W        | 15S11/102CL               |
| American Optical 1140 | 611                           | 120V 15W        | 15S11/102CL               |
| American Optical 1180 | 1182                          | 19V 80W         | EJY                       |
| American Optical 1810 | 360                           | 6.5V 2.75A      | 1493                      |
| American Optical 1820 | 1120                          | 6V 20W          | 788                       |
| American Optical 2505 | 2509                          | 6V 5W           | 8G101                     |

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| American Optical 2520                   | 360                           | 6.5V 2.75A  | 1493                      |
| American Optical 3000                   | 1033                          | 6.5V 2.75A  | 1460                      |
| American Optical 3060                   | 1033                          | 6.5V 2.75A  | 1460                      |
| American Optical 3411                   | 360                           | 6.5V 2.75A  | 1493                      |
| American Optical 4046                   | 626                           | 120V 15W    | 15S11/13-120V             |
| American Optical 10406                  | 10407                         | 120V 6W     | 6S6DC-120V                |
| American Optical 10408                  | 10409                         | 120V 10W    | 10S6E12-120V              |
| American Optical 10450                  | 10454                         | 6.15V .50A  | 605                       |
| American Optical 10460                  | 10454                         | 6.15V .50A  | 605                       |
| American Optical 1070H                  | 2052                          | 12V 100W    | FCR                       |
| American Optical 10DICL                 | 1033                          | 6.5V 2.75A  | 1460                      |
| American Optical 1130A                  |                               | 6V 20W      | ESB                       |
| American Optical 1180E                  | 1182                          | 19V 80W     | EJY                       |
| American Optical 1183H                  | 1182                          | 19V 80W     | EJY                       |
| American Optical 1800 Micro Projector   | 11807                         | 6V 4.5W     | 1096                      |
| American Optical 2070C                  | 2055                          | 50W Mercury | HBO50WACL1 or L2          |
| American Optical 2070H                  | 2052                          | 12V 100W    | FCR                       |
| American Optical 2070L                  | 2055                          | 50W Mercury | HBO50WACL1 or L2          |
| American Optical 2071H                  | 2052                          | 12V 100W    | FCR                       |
| American Optical 2071M                  | 2055                          | 50W Mercury | HBO50WACL1 or L2          |
| American Optical 340A                   | 360                           | 6.5V 2.75A  | 1493                      |
| American Optical 341A                   | 360                           | 6.5V 2.75A  | 1493                      |
| American Optical 40-46, 4046            | 626                           | 120V 15W    | 15S11/13-120V             |
| American Optical 603V                   | 360                           | 6.5V 2.75A  | 1493                      |
| American Optical 615 Older Series       | 621 (Screw Base)              | 120V 15W    | 15T7E17                   |
| American Optical Custom Project O Chart | 11807                         | 6V 4.5W     | 1096                      |
| American Optical DN150                  | 634                           | 2.5V .35A   | 252                       |
| American Optical DN160                  | 634                           | 2.5V .35A   | 252                       |
| American Optical DN60                   | 634                           | 2.5V .35A   | 252                       |
| American Optical H10                    | 1120                          | 6V 20W      | 788                       |
| American Optical H110                   | 1120                          | 6V 20W      | 788                       |
| American Optical H20                    | 2052                          | 12V 100W    | FCR                       |
| American Optical K13602                 | 360                           | 6.5V 2.75A  | 1493                      |
| American Optical K1453                  | 360                           | 6.5V 2.75A  | 1493                      |
| American Optical K1567A                 | 1033                          | 6.5V 2.75A  | 1460                      |
| American Optical K1730                  | 1033                          | 6.5V 2.75A  | 1460                      |
| American Optical K1886                  | 1033                          | 6.5V 2.75A  | 1460                      |
| American Optical K1951                  | 360                           | 6.5V 2.75A  | 1493                      |
| American Optical L10                    | 1033                          | 6.5V 2.75A  | 1460                      |

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| American Optical L150                   | 624                           | 6V 10W       | ESA                       |
| American Optical Older series 40        | 621 (Screw Base)              | 120V 15W     | 15T7E17                   |
| American Optical Pointer 1049           | 1032                          | 6V 1.2W      | 328                       |
| American Optical Pointer DN50           | 634                           | 2.5V .35A    | 252                       |
| American Optical V20                    | 2055                          | 50W Mercury  | HBO50WACL1 or L2          |
| Bausch & Lomb 31-18-85                  | 31-31-50                      | 6V .20A      | 328                       |
| Bausch & Lomb 31-18-93                  | 31-31-50                      | 6V .20A      | 328                       |
| Bausch & Lomb 31-27-12                  | 31-31-81                      | 6V 20W       | 778                       |
| Bausch & Lomb 31-27-12                  | 31-31-81-01                   | 6V 20W       | 778                       |
| Bausch & Lomb 31-27-65                  | 31-31-81                      | 6V 20W       | 778                       |
| Bausch & Lomb 31-27-65                  | 31-31-81-01                   | 6V 20W       | 778                       |
| Bausch & Lomb 31-27-69 through 31-27-99 | 31-31-12                      | 120V 20W     | 20S11CL-120V              |
| Bausch & Lomb 31-29-26                  | 31-31-03                      | 4W 6500K FI. | F4T5D                     |
| Bausch & Lomb 31-29-46                  | 31-31-24                      | 2.47V .3A    | 14                        |
| Bausch & Lomb 31-30-50-01               | 31-31-52                      | 21V 150W     | EJA, EKE                  |
| Bausch & Lomb 31-30-50-02               | 31-31-52                      | 21V 150W     | EJA, EKE                  |
| Bausch & Lomb 31-30-50-03               | 31-31-52                      | 21V 150W     | EJA, EKE                  |
| Bausch & Lomb 31-30-50-04               | 31-31-52                      | 21V 150W     | EJA, EKE                  |
| Bausch & Lomb 31-30-50-05               | 31-31-52                      | 21V 150W     | EJA, EKE                  |
| Bausch & Lomb 31-31-66                  | 31-31-03                      | 4W 6500K FI. | F4T5D                     |
| Bausch & Lomb 31-32-12-01               | 31-31-15                      | 120V 15W     | 15S11/102CL               |
| Bausch & Lomb 31-32-13                  | 31-31-85                      | 6.5V 2.75A   | 1631X                     |
| Bausch & Lomb 31-32-13                  | 31-31-86                      | 6.5V 2.75A   | 1631X                     |
| Bausch & Lomb 31-32-14                  | 31-31-42                      | 6.5V 2.75A   | 1649                      |
| Bausch & Lomb 31-32-14                  | 31-31-43                      | 6.5V 2.75A   | 1649                      |
| Bausch & Lomb 31-32-15                  | 31-31-81                      | 6V 20W       | 778                       |
| Bausch & Lomb 31-32-15                  | 31-31-81-01                   | 6V 20W       | 778                       |
| Bausch & Lomb 31-32-16                  | 31-31-81                      | 6V 20W       | 778                       |
| Bausch & Lomb 31-32-16                  | 31-31-81-01                   | 6V 20W       | 778                       |
| Bausch & Lomb 31-32-18                  | 31-31-81                      | 6V 20W       | 778                       |
| Bausch & Lomb 31-32-18                  | 31-31-81-01                   | 6V 20W       | 778                       |
| Bausch & Lomb 31-32-42                  | 31-31-81                      | 6V 20W       | 778                       |
| Bausch & Lomb 31-32-42                  | 31-31-81-01                   | 6V 20W       | 778                       |
| Bausch & Lomb 31-32-56                  | 31-31-65                      | 50W Mercury  | HBO50WACL2                |
| Bausch & Lomb 31-32-57                  | 31-31-58                      | 12V 100W     | FDT                       |
| Bausch & Lomb 31-33-03                  | 31-31-40                      | 120V 7W      | 7C9W120V                  |
| Bausch & Lomb 31-33-04                  | 31-31-77                      | 6V 10W       | 787                       |
| Bausch & Lomb 31-33-05                  | 31-31-75                      | 6.5V 2.75A   | 1460X                     |
| Bausch & Lomb 31-33-05                  | 31-31-76                      | 6.5V 2.75A   | 1460X                     |

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| Bausch & Lomb 31-33-07 | 31-31-37                      | 20V 20W                | 1634                      |
| Bausch & Lomb 31-33-20 | 31-31-37                      | 20V 20W                | 1634                      |
| Bausch & Lomb 31-33-23 | 31-31-23                      | Fluor. Ringlight       | M1457-3BL-W45             |
| Bausch & Lomb 31-33-24 | 31-31-87                      | 120-130V 30W (Frosted) | BLK                       |
| Bausch & Lomb 31-33-32 | 31-31-79                      | 3.2V .16A              | 1630                      |
| Bausch & Lomb 31-33-32 | 31-33-85                      | 3.2V .16A              | 1630                      |
| Bausch & Lomb 31-33-33 | 31-31-77                      | 6V 10W                 | 787                       |
| Bausch & Lomb 31-33-34 | 31-31-77                      | 6V 10W                 | 787                       |
| Bausch & Lomb 31-33-35 | 31-31-77                      | 6V 10W                 | 787                       |
| Bausch & Lomb 31-33-39 | 31-31-77                      | 6V 10W                 | 787                       |
| Bausch & Lomb 31-33-40 | 31-31-42                      | 6.5V 2.75A             | 1649                      |
| Bausch & Lomb 31-33-40 | 31-31-43                      | 6.5V 2.75A             | 1649                      |
| Bausch & Lomb 31-33-41 | 31-31-85                      | 6.5V 2.75A             | 1631X                     |
| Bausch & Lomb 31-33-41 | 31-31-86                      | 6.5V 2.75A             | 1631X                     |
| Bausch & Lomb 31-33-44 | 31-31-03                      | 4W 6500K Fl.           | F4T5D                     |
| Bausch & Lomb 31-33-53 | 31-31-85                      | 6.5V 2.75A             | 1631X                     |
| Bausch & Lomb 31-33-53 | 31-31-86                      | 6.5V 2.75A             | 1631X                     |
| Bausch & Lomb 31-33-56 | 31-31-85                      | 6.5V 2.75A             | 1631X                     |
| Bausch & Lomb 31-33-56 | 31-31-86                      | 6.5V 2.75A             | 1631X                     |
| Bausch & Lomb 31-33-59 | 31-31-37                      | 20V 20W                | 1634                      |
| Bausch & Lomb 31-33-60 | 31-31-81                      | 6V 20W                 | 778                       |
| Bausch & Lomb 31-33-60 | 31-31-81-01                   | 6V 20W                 | 778                       |
| Bausch & Lomb 31-33-61 | 31-31-03                      | 4W 6500K Fl.           | F4T5D                     |
| Bausch & Lomb 31-33-69 | 31-31-37                      | 20V 20W                | 1634                      |
| Bausch & Lomb 31-33-74 | 31-31-87                      | 120-130V 30W (Frosted) | BLK                       |
| Bausch & Lomb 31-33-82 | 31-31-03                      | 4W 6500K Fl.           | F4T5D                     |
| Bausch & Lomb 31-33-84 | 31-31-03                      | 4W 6500K Fl.           | F4T5D                     |
| Bausch & Lomb 31-33-96 | 31-31-81                      | 6V 20W                 | 778                       |
| Bausch & Lomb 31-33-96 | 31-31-81-01                   | 6V 20W                 | 778                       |
| Bausch & Lomb 31-34-27 | 31-31-85                      | 6.5V 2.75A             | 1631X                     |
| Bausch & Lomb 31-34-27 | 31-31-86                      | 6.5V 2.75A             | 1631X                     |
| Bausch & Lomb 31-34-28 | 31-31-81                      | 6V 20W                 | 778                       |
| Bausch & Lomb 31-34-28 | 31-31-81-01                   | 6V 20W                 | 778                       |
| Bausch & Lomb 31-74-24 | 31-74-28                      | 115V 30W BA15D         | 78508                     |
| Bausch & Lomb 31-74-26 | 31-74-29                      | 6V 20W                 | 778                       |
| Bausch & Lomb 31-74-27 | 31-74-29                      | 6V 20W                 | 778                       |
| Bausch & Lomb 42-31-32 | 31-33-85                      | 3.2V .16A              | 1630                      |
| Bausch & Lomb 42-31-42 | 31-31-79                      | 3.2V .16A              | 1630                      |
| Bausch & Lomb 42-31-42 | 31-33-85                      | 3.2V .16A              | 1630                      |

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| Bausch & Lomb 42-31-52                     | 31-31-79                      | 3.2V .16A            | 1630                      |
| Bausch & Lomb 42-31-52                     | 31-33-85                      | 3.2V .16A            | 1630                      |
| Bausch & Lomb 42-44-41                     | 31-31-03                      | 4W 6500K Fl.         | F4T5D                     |
| Bausch & Lomb 42-63-59                     | 42-42-86                      | 20V 100W             | BEY                       |
| Bausch & Lomb 42-63-60                     | 42-42-86                      | 20V 100W             | BEY                       |
| Bausch & Lomb 74 BCW Cool White            | 31-31-30                      | 100V 6W 4200K Fl.    | FCB74LCW                  |
| Bausch & Lomb 74 BWW Warm White            | 31-31-30D                     | 100V 6W 3000K Fl.    | FCB74LWW                  |
| Bausch & Lomb 74 DBL Daylight Blue         | 31-31-31                      | 100V 6W 6300K Fl.    | FCB74LD                   |
| Bausch & Lomb Galen II Halogen             | 31-74-29                      | 6V 20W               | 778                       |
| Bausch & Lomb Galen II Tungsten            | 31-74-28                      | 115V 30W BA15D       | 78508                     |
| Bausch & Lomb Stereo Zoom 2000, academic   | 31-31-25                      | 6V 15W               | 8C408                     |
| Bausch & Lomb                              | 33-51-24                      | 14V 25W              | 790                       |
| Bausch & Lomb (Spectronic) Spectronic 21UV | 33-33-07                      | 6.7V 10W w/PCB       | 333307                    |
| Bausch & Lomb (Spectronic) Spectronic 21DV | 33-33-07                      | 6.7V 10W w/PCB       | 333307                    |
| Bausch & Lomb (Spectronic) Spectronic 21MV | 33-33-07                      | 6.7V 10W w/PCB       | 333307                    |
| Fossomatic 215                             |                               | 75W Xenon            | XBO75W2, UXL75XE          |
| Fossomatic 360                             |                               | 12V 50W (2000 hours) | 64440                     |
| Foton                                      | UXL451                        | 450W XENON           | UXL451, XBO450W1          |
| Hund / Wetzlar A BF                        |                               | 6V 20W               | ESB                       |
| Hund / Wetzlar A PH                        |                               | 6V 20W               | ESB                       |
| Hund / Wetzlar AFL50                       |                               | 6V 20W               | ESB                       |
| Hund / Wetzlar AM50                        |                               | 6V 20W               | ESB                       |
| Hund / Wetzlar BS Wilo-Gyn                 |                               | 6V 20W               | ESB                       |
| Hund / Wetzlar H500                        |                               | 6V 20W               | ESB                       |
| Hund / Wetzlar H500 AFL 50                 |                               | 50W Mercury          | HBO50WACL1                |
| Hund / Wetzlar H500 AFL100                 |                               | 100W Mercury         | HBO100W2, USH102DH        |
| Hund / Wetzlar H500 AFL50                  |                               | 50W Mercury          | HBO50WACL1 or L2          |
| Hund / Wetzlar H600 AFL100                 |                               | 100W Mercury         | HBO100W2, USH102DH        |
| Hund / Wetzlar H600 AFL100E                |                               | 100W Mercury         | HBO100W2, USH102DH        |
| Hund / Wetzlar H600 AFL50                  |                               | 50W Mercury          | HBO50WACL1 or L2          |
| Hund / Wetzlar H600 AFL50E                 |                               | 50W Mercury          | HBO50WACL1 or L2          |
| Hund / Wetzlar Phaco                       |                               | 6V 20W               | ESB                       |
| Hund / Wetzlar PL5                         |                               | 6V 20W               | ESB                       |
| Hund / Wetzlar S BF                        |                               | 6V 20W               | ESB                       |
| Hund / Wetzlar S PH                        |                               | 6V 20W               | ESB                       |
| Hund / Wetzlar Wilo-Brau                   |                               | 6V 20W               | ESB                       |
| Hund / Wetzlar Wilocyt                     |                               | 6V 20W               | ESB                       |
| Hund / Wetzlar Wilo-Derm                   |                               | 6V 20W               | ESB                       |
| Hund / Wetzlar Wilo-in                     |                               | 6V 20W               | ESB                       |

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| Hund / Wetzlar Wilo-Prax             |                               | 6V 20W            | ESB                       |
| Hund / Wetzlar Wilovert              |                               | 6V 20W            | ESB                       |
| Jena/Narva 150                       | 55133                         | 6V 20W            | 688                       |
| Jena/Narva 160                       | 55133                         | 6V 20W            | 688                       |
| Jena/Narva 210                       | 55133                         | 6V 20W            | 688                       |
| Jena/Narva 211                       | 55133                         | 6V 20W            | 688                       |
| Jena/Narva 220                       | 55133                         | 6V 20W            | 688                       |
| Jena/Narva 310                       | 55133                         | 6V 20W            | 688                       |
| Jena/Narva 320                       | 55133                         | 6V 20W            | 688                       |
| Jena/Narva 330                       | 55133                         | 6V 20W            | 688                       |
| Jena/Narva 110 120                   | 55133                         | 6V 20W            | 688                       |
| Jena/Narva 111 113 121               | 55133                         | 6V 20W            | 688                       |
| All Jena 6V 15W Microscopes          | 67273                         | 6V 15W            | 67241                     |
| Jena/Narva Amplival                  | 672.41                        | 6V 15W T-P5       | 04700FR                   |
| Jena/Narva Amplival                  | 55147                         | 6V 25W            | 55147                     |
| Jena/Narva Amplival photom.          | 55305                         | 12V 100W PY24-1.5 | 55305                     |
| Jena/Narva Amplival Pol D&U          | 55147                         | 6V 25W            | 55147                     |
| Jena/Narva Amplival Pol U (Incident) | 55305                         | 12V 100W PY24-1.5 | 55305                     |
| Jena/Narva Camera Slit Lamp          | 674.71                        | 6V 30W            | 67471                     |
| Jena/Narva Citoval                   | 672.41                        | 6V 15W T-P5       | 04700FR                   |
| Jena/Narva Citoval 2                 | 55147                         | 6V 25W            | 55147                     |
| Jena/Narva Colposcope 110/120        | 55133                         | 6V 20W            | 688                       |
| Jena/Narva Colposcope III            | 672.41                        | 6V 15W T-P5       | 04700FR                   |
| Jena/Narva D-Illumination Equipment  | 55205                         | 12V 50W           | ESB                       |
| Jena/Narva DL2 Plack Viewer          | 682.92                        | 12V 100W          | FCR                       |
| Jena/Narva Docuval                   | 55205                         | 12V 50W           | ESB                       |
| Jena/Narva Eduval                    | 10619                         | 6V 5W M12X-15     | 68861-NARVA               |
| Jena/Narva Epignost                  | 672.41                        | 6V 15W T-P5       | 04700FR                   |
| Jena/Narva Epignost 21 HD            | 55147                         | 6V 25W            | 55147                     |
| Jena/Narva Epiquant                  | 55305                         | 12V 100W PY24-1.5 | 55305                     |
| Jena/Narva Epityp 2                  | 55305                         | 12V 100W PY24-1.5 | 55305                     |
| Jena/Narva Epival                    | 55205                         | 12V 50W           | ESB                       |
| Jena/Narva Epival INKO               | 55305                         | 12V 100W PY24-1.5 | 55305                     |
| Jena/Narva Epival INKO               | 55133                         | 6V 20W            | 688                       |
| Jena/Narva Ergaval                   | 672.41                        | 6V 15W T-P5       | 04700FR                   |
| Jena/Narva Ergaval                   | 55147                         | 6V 25W            | 55147                     |
| Jena/Narva Flouval 2                 | 688.09                        | 200W Mercury      | USH205DP, HBO200W2L2      |
| Jena/Narva Fluoval                   | 55305                         | 12V 100W PY24-1.5 | 55305                     |
| Jena/Narva GSM                       | 55147                         | 6V 25W            | 55147                     |

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| Jena/Narva GSZ                   | 55147                         | 6V 25W            | 55147                     |
| Jena/Narva Hand Ophthalmoscope   | 683.76                        | 6V 5W             | 68376                     |
| Jena/Narva I-212                 | 55133                         | 6V 20W            | 688                       |
| Jena/Narva Invertascope          | 55168                         | 6V 30W            | 55168                     |
| Jena/Narva Jena Tech (Incident)  | 55307                         | 12V 100W PY24-1.5 | 55305                     |
| Jena/Narva Jenalumarm            | 688.09                        | 200W Mercury      | USH205DP, HBO200W2L2      |
| Jena/Narva Jenalumarm            | 55147                         | 6V 25W            | 55147                     |
| Jena/Narva Jenamed               | 55147                         | 6V 25W            | 55147                     |
| Jena/Narva Jenamed Dual View     | 1415                          | 6V 2.1W           | 1483                      |
| Jena/Narva Jenapol D&U           | 55147                         | 6V 25W            | 55147                     |
| Jena/Narva Jenatech              | 55125                         | 6V 10W (HLWS5)    | 55125                     |
| Jena/Narva Jenatech              | 55147                         | 6V 25W            | 55147                     |
| Jena/Narva Jenaval               | 55147                         | 6V 25W            | 55147                     |
| Jena/Narva Jenaval Power Supply  |                               | 200W Mercury      | USH205DP, HBO200W2L2      |
| Jena/Narva Jenavert BF/DF        | 55307                         | 12V 100W PY24-1.5 | 55305                     |
| Jena/Narva Laboval (Old Style)   | 681.16                        | 120V 25W E14      | BFM                       |
| Jena/Narva Laboval 2             | 688.61                        | 6V 5W M12X-15     | 68861-NARVA               |
| Jena/Narva Laboval 2 AFL         | 682.51                        | 50W Mercury       | HBO50W3                   |
| Jena/Narva Laboval 2 AFL         | 682.501                       | 50W Mercury       | HBO50WACL2                |
| Jena/Narva Laboval 2 Dual View   | 1415                          | 6V 2.1W           | 1483                      |
| Jena/Narva Laboval 2 Pol D       | 683.76                        | 6V 5W             | 68376                     |
| Jena/Narva Laboval 3             | 55125                         | 6V 10W (HLWS5)    | 55125                     |
| Jena/Narva Laboval 4             | 55131                         | 6V 20W            | ESB                       |
| Jena/Narva Maxial Illuminator    | 688.61                        | 6V 5W M12X-15     | 68861-NARVA               |
| Jena/Narva Metaval               | 55205                         | 12V 50W           | ESB                       |
| Jena/Narva Microlux              | 55131                         | 6V 20W            | ESB                       |
| Jena/Narva Neophot 2/21          | 55305                         | 12V 100W PY24-1.5 | 55305                     |
| Jena/Narva NU 2                  | 55305                         | 12V 100W PY24-1.5 | 55305                     |
| Jena/Narva NV2                   | 688.01                        | 12V 100W PY24-1.5 | 55305                     |
| Jena/Narva Officelux 107         | 55131                         | 6V 20W            | ESB                       |
| Jena/Narva Peraval               | 672.41                        | 6V 15W T-P5       | 04700FR                   |
| Jena/Narva Peraval INKO          | 55147                         | 6V 25W            | 55147                     |
| Jena/Narva Pictoval              | 682.52                        | 150W Xenon        | XBO150W1                  |
| Jena/Narva Plack Viewer          | 55301                         | 12V 100W          | FCR                       |
| Jena/Narva Plastival             | 55926                         | 12V 50W           | BRL                       |
| Jena/Narva Rapid Vision Tester   | 13751                         | 5.8V 6.4W E10     | 157                       |
| Jena/Narva Recording Adaptometer | 674.01                        | 6V 30W T-F1       | 8025                      |
| Jena/Narva Recording Nykometer   | 674.01                        | 6V 30W T-F1       | 8025                      |
| Jena/Narva Retinaphot            | 672.42                        | 6V 15W T-P1       | 04700FR                   |

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| Manufacturer, Model                             | Manufacturer Lamp Part Number | Description        | Hi-Tech Lamps Part Number |
|---|-------------------------------|--------------------|---------------------------|
| Jena/Narva Scleral Lamp                         | 683.76                        | 6V 5W              | 68376                     |
| Jena/Narva Sedival                              | 55147                         | 6V 25W             | 55147                     |
| Jena/Narva Skiascope                            | 683.76                        | 6V 5W              | 68376                     |
| Jena/Narva Slide Viewer                         | 1415                          | 6V 2.1W            | 1483                      |
| Jena/Narva Slit Lamp 110                        | 55133                         | 6V 20W             | 688                       |
| Jena/Narva Slit Lamp 69                         | 672.41                        | 6V 15W T-P5        | 04700FR                   |
| Jena/Narva Slit Lamp Smxx                       | 674.71                        | 6V 30W             | 67471                     |
| Jena/Narva Stereo                               | 1415                          | 6V 2.1W            | 1483                      |
| Jena/Narva Surgery 110F                         | SI 64627                      | 12V 100W           | EFP                       |
| Jena/Narva Surgery 150F                         | SI 64627                      | 12V 100W           | EFP                       |
| Jena/Narva Surgery 212                          | 55133                         | 6V 20W             | 688                       |
| Jena/Narva Technival                            | 672.41                        | 6V 15W T-P5        | 04700FR                   |
| Jena/Narva Technival 2                          | 55147                         | 6V 25W             | 55147                     |
| Jena/Narva Telaval 3                            | 55147                         | 6V 25W             | 55147                     |
| Jena/Narva Test Type Projector                  | 674.71                        | 6V 30W             | 67471                     |
| Jena/Narva Vertival                             | 55205                         | 12V 50W            | ESB                       |
| Leica EL6000                                    |                               | 120W MERCURY REFL  | HXPR120W45CVIS            |
| Leica M600, M650, M695 SURGICAL MICROSCOPE      | HLX4643                       | 12V 50W W/BRACKET  | 384-643                   |
| Leica M695 SURGICAL MICROSCOPE                  |                               | 300W Ceramic XENON | CL300BF                   |
| Leitz 100z                                      | 500-974                       | 12V 100W           | FCR                       |
| Leitz 102z                                      | 500-974                       | 12V 100W           | FCR                       |
| Leitz Attachable illuminator for Leitz Model SM | 050-535                       | 12.8V 25W          | 1156                      |
| Leitz Autocollimator                            | 500-979                       | 8V 5W              | 500-979                   |
| Leitz Biopromar                                 | 500-974                       | 12V 100W           | FCR                       |
| Leitz Clear or frosted                          | 500-011                       | 6V 30W E14         | 8100                      |
| Leitz Comp. Microscope                          | 500-182                       | 12V 50W            | BRL                       |
| Leitz Comp. Microscope                          | 500-177                       | 6V 15W             | 500-177                   |
| Leitz DF Interference                           | 610-071                       | 6V 30W T-F1        | 8025                      |
| Leitz Dialux                                    | 500-177                       | 6V 15W             | 500-177                   |
| Leitz Dialux & attachable illuminator MPA-5     | 500-012                       | 6V 15W BA15D       | 8018                      |
| Leitz Dialux 20                                 | 500-974                       | 12V 100W           | FCR                       |
| Leitz Dialux 20                                 | 500-245                       | 6V 20W             | 778                       |
| Leitz Diascriptor 4                             | 098-724                       | 120V 650W R7S      | FAD                       |
| Leitz Diavert                                   | 500-177                       | 6V 15W             | 500-177                   |
| Leitz Dilatometer                               | 500-012                       | 6V 15W BA15D       | 8018                      |
| Leitz Dual Illuminator                          | 500-011                       | 6V 30W E14         | 8100                      |
| Leitz Elipsoidal                                | 500-073                       | 6V 5W              | 1855                      |
| Leitz Epivert                                   | 500-182                       | 12V 50W            | BRL                       |
| Leitz HD-Lux                                    | 500-177                       | 6V 15W             | 500-177                   |

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|--|-------------------------------|--------------|---------------------------|
| Leitz Heating Scope                      | 500-010                       | 12V 60W      | 380018-2520               |
| Leitz Heating Scope                      | 500-979                       | 8V 5W        | 500-979                   |
| Leitz HM-Lux                             | 500-013                       | 120V 25W E14 | BFM                       |
| Leitz HMLux3                             | 500-073                       | 6V 5W        | 1855                      |
| Leitz HMR                                | 500-073                       | 6V 5W        | 1855                      |
| Leitz JIG Bore Microscope                | 500-979                       | 8V 5W        | 500-979                   |
| Leitz KM150                              | 500-011                       | 6V 30W E14   | 8100                      |
| Leitz Laborlux 12                        | 500-245                       | 6V 20W       | 778                       |
| Leitz Laborlux 12 HLME                   | 500-245                       | 6V 20W       | 778                       |
| Leitz Laborlux II                        | 050-550                       | 6V 10W       | ESA                       |
| Leitz Laborlux NANAW                     | 500-012                       | 6V 15W BA15D | 8018                      |
| Leitz Lamp house 100                     | 500-974                       | 12V 100W     | FCR                       |
| Leitz Lamp house 100                     | 500-010                       | 12V 60W      | 380018-2520               |
| Leitz Lamp house 100Z                    | W/2                           | 100W Mercury | HBO100W2, USH102DH        |
| Leitz Lamp house 100Z                    | 500-974                       | 12V 100W     | FCR                       |
| Leitz Lamp house 100Z                    | 500-137                       | 50W Mercury  | HBO50WACL1 or L2          |
| Leitz Lamp house 102Z                    | 500-974                       | 12V 100W     | FCR                       |
| Leitz Lamp house 102Z                    | W/2                           | 100W Mercury | HBO100W2, USH102DH        |
| Leitz Lamp house 102Z (specify L1 or L2) | 500-137                       | 50W Mercury  | HBO50WACL1 or L2          |
| Leitz Lamp House 250                     | 500-008                       | 150W Xenon   | XBO150W1                  |
| Leitz Lamp House 250                     |                               | 200W Mercury | HBO200W4L1                |
| Leitz Lamp House 250                     |                               | 200W Mercury | USH205DP, HBO200W2L2      |
| Leitz Lamp House 250                     |                               | 200W Mercury | USH205DP, HBO200W2L2      |
| Leitz Lamp House 250AC                   | 050-615                       | 200W Mercury | HBO200W4L1                |
| Leitz Lamp House 250AC                   | 050-616                       | 200W Mercury | USH205DP, HBO200W2L2      |
| Leitz Lamp House 250DC                   | 050-610                       | 200W Mercury | USH205DP, HBO200W2L2      |
| Leitz Lamp House 250DC                   | 050-620                       | 200W Mercury | USH205DP, HBO200W2L2      |
| Leitz Lamp house 50                      | 500-182                       | 12V 50W      | BRL                       |
| Leitz Lamp House 500                     | 500-008                       | 150W Xenon   | XBO150W1                  |
| Leitz Lamp House 500                     | 050-615                       | 200W Mercury | HBO200W4L1                |
| Leitz Lamp House 500                     |                               | 200W Mercury | HBO200W4L1                |
| Leitz Lamp Housing 500 Microprojector    | 500-031                       | 450W Xenon   | XBO450WOFR                |
| Leitz Large comparison microscope        | 500-009                       | 6V 5W        | 8G101                     |
| Leitz Leitz Laborflux                    | 500-012                       | 6V 15W BA15D | 8018                      |
| Leitz LH100Z                             | 500-138                       | 100W Mercury | HBO100W2, USH102DH        |
| Leitz LH100Z                             | 500-137                       | 50W Mercury  | HBO50WACL1 or L2          |
| Leitz LH100Z                             | 500-139                       | 75W Xenon    | XBO75W2, UXL75XE          |
| Leitz LH102Z                             | 500-138                       | 100W Mercury | HBO100W2, USH102DH        |
| Leitz LH102Z                             | 500-137                       | 50W Mercury  | HBO50WACL1 or L2          |

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|------------------------------|-------------------------------|----------------|---------------------------|
| Leitz LH102Z                 | 500-139                       | 75W Xenon      | XBO75W2, UXL75XE          |
| Leitz LH50                   | 500-182                       | 12V 50W        | BRL                       |
| Leitz Linnick                | 500-186                       | 15V 15W Sodium | NA10                      |
| Leitz Low Voltage Lamp       | 500-011                       | 6V 30W E14     | 8100                      |
| Leitz M20                    | 500-974                       | 12V 100W       | FCR                       |
| Leitz M20                    | 177-160                       | 6V 20W BA15D   | 70249                     |
| Leitz M50                    | 500-974                       | 12V 100W       | FCR                       |
| Leitz M501                   | 500-974                       | 12V 100W       | FCR                       |
| Leitz M8                     | 166-324                       | 6V 15W BA15D   | 8018                      |
| Leitz Mask Comparator PP600  | 37-723                        | 24V 250W       | EHJ                       |
| Leitz Mask Comparator PP600  | 590-910                       | 24V 250W       | EHJ                       |
| Leitz Metalux                | 500-010                       | 12V 60W        | 380018-2520               |
| Leitz Mettalloplan           | 500-974                       | 12V 100W       | FCR                       |
| Leitz micro ring illuminator | 500-009                       | 6V 5W          | 8G101                     |
| Leitz Microdia (SM)          | 500-013                       | 120V 25W E14   | BFM                       |
| Leitz Micropromar            | 37-723                        | 24V 250W       | EHJ                       |
| Leitz Micropromar            | 590-910                       | 24V 250W       | EHJ                       |
| Leitz Miniload               | 500-979                       | 8V 5W          | 500-979                   |
| Leitz MM5                    | 500-031                       | 450W Xenon     | XBO450WOFR                |
| Leitz MM6                    | 500-010                       | 12V 60W        | 380018-2520               |
| Leitz Monla                  | 500-011                       | 6V 30W E14     | 8100                      |
| Leitz Monochromator          | 610-025                       | 6V 26W E17     | 8001                      |
| Leitz MPA5                   | 500-012                       | 6V 15W BA15D   | 8018                      |
| Leitz MPV                    | 500-073                       | 6V 5W          | 1855                      |
| Leitz NADAL-M-8              | 500-012                       | 6V 15W BA15D   | 8018                      |
| Leitz Neo-Promar             | 37-723                        | 24V 250W       | EHJ                       |
| Leitz Neo-Promar             | 590-910                       | 24V 250W       | EHJ                       |
| Leitz Nephelometer           | 620-071                       | 6V 30W T-F1    | 8025                      |
| Leitz Old UWM                | 500-011                       | 6V 30W E14     | 8100                      |
| Leitz Ophthalmic             | 500-177                       | 6V 15W         | 500-177                   |
| Leitz Ortholux               | 500-011                       | 6V 30W E14     | 8100                      |
| Leitz Ortholux 2             | 500-182                       | 12V 50W        | BRL                       |
| Leitz Orthomat               | 500-245                       | 6V 20W         | 778                       |
| Leitz Orthoplan              | 500-974                       | 12V 100W       | FCR                       |
| Leitz Orthoplan-MM5          | 500-010                       | 12V 60W        | 380018-2520               |
| Leitz Panphot                | 500-010                       | 12V 60W        | 380018-2520               |
| Leitz Photrometer 1          | 094-502                       | 6.2V 24.24W    | 1133                      |
| Leitz Photrometer 19000-up   | 094-524, 094-528, 094-529     | 6.1V 25W       | 1763                      |
| Leitz Photrometer 70017600   | 094-524, 094-528, 094-529     | 6.1V 25W       | 1763                      |

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| Manufacturer, Model                                    | Manufacturer Lamp Part Number | Description                    | Hi-Tech Lamps Part Number |
|--|-------------------------------|--------------------------------|---------------------------|
| Leitz Photrometer 760118999                            | 094-524, 094-528, 094-529     | 6.1V 25W                       | 1763                      |
| Leitz PP600  | 590-910                       | 24V 250W                       | EHJ                       |
| Leitz Prado  | 37-723                        | 24V 250W                       | EHJ                       |
| Leitz Prado Universal                                  | 590-910                       | 24V 250W                       | EHJ                       |
| Leitz Pradolux   | 37-717                        | 24V 150W                       | FCS                       |
| Leitz Pradovit 250                                     | 590-910                       | 24V 250W                       | EHJ                       |
| Leitz Promar OM 20                                     | 37-723                        | 24V 250W                       | EHJ                       |
| Leitz Promar OM 20                                     | 590-910                       | 24V 250W                       | EHJ                       |
| Leitz Reprovit Pradix                                  | 098-588                       | 120V 150W                      | BEH                       |
| Leitz Simplex  | 500-012                       | 6V 15W BA15D                   | 8018                      |
| Leitz Simplex  | 500-011                       | 6V 30W E14                     | 8100                      |
| Leitz SM Illuminator (SM-POL, SM-M, MPV, HM-Lux 3, HM) | 500-073                       | 6V 5W                          | 1855                      |
| Leitz SM-Lux   | 500-096                       | 6V 10W                         | 8014                      |
| Leitz SM-Lux   | 500-012                       | 6V 15W BA15D                   | 8018                      |
| Leitz SM-Lux HL  | 500-245                       | 6V 20W                         | 778                       |
| Leitz SMM  | 500-073                       | 6V 5W                          | 1855                      |
| Leitz SMPOL  | 500-073                       | 6V 5W                          | 1855                      |
| Leitz Stereo Twin III Galvanometer (Heat Micro)        | 580-603                       | 4W 4100K FI.                   | F4T5CW                    |
| Leitz Telepromar 500                                   | 500-031                       | 450W Xenon                     | XBO450WOFR                |
| Leitz TL Lamp  | 500-096                       | 6V 10W                         | 8014                      |
| Leitz Ultropak   | 500-013                       | 120V 25W E14                   | BFM                       |
| Leitz Ultropak   | 500-177                       | 6V 15W                         | 500-177                   |
| Leitz Univ. Pradovit 250+AF                            | 37-723                        | 24V 250W                       | EHJ                       |
| Leitz Univ. Pradovit 250+AF                            | 590-910                       | 24V 250W                       | EHJ                       |
| Leitz UWM  | 500-979                       | 8V 5W                          | 500-979                   |
| Leitz UWM1   | 500-010                       | 12V 60W                        | 380018-2520               |
| Leitz UWM1   | 500-979                       | 8V 5W                          | 500-979                   |
| Leitz UWM2   | 500-010                       | 12V 60W                        | 380018-2520               |
| Leitz UWM3   | 500-010                       | 12V 60W                        | 380018-2520               |
| Leitz UWM3X8   | 500-012                       | 6V 15W BA15D                   | 8018                      |
| Leitz Vario  | 500-245                       | 6V 20W                         | 778                       |
| Leitz Vert Gauge                                       | 500-979                       | 8V 5W                          | 500-979                   |
| Leitz Vert III   | 500-979                       | 8V 5W                          | 500-979                   |
| Leitz Wild Univ. Lamp M12                              | 500-974                       | 12V 100W                       | FCR                       |
| Leitz Wild Universal Lamp (specify type L1 or L2)      |                               | 200W Mercury                   | USH205DP, HBO200W2L2      |
| Leitz WS Stereomicroscope UPM3D                        | 050-550                       | 6V 10W                         | ESA                       |
| Leitz XICMM6   | 500-031                       | 450W Xenon                     | XBO450WOFR                |
| Leitz  | 193-049                       | 12V 100W                       | FCR                       |
| Nikon 3  | 71818                         | 10V 70W P28S Vertical Filament | 71818                     |

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|---|-------------------------------|----------------------------------|---------------------------|
| Nikon 100W Halogen Illuminators (Older)         | 76513                         | 12V 100W                         | FCR                       |
| Nikon 1EPI                                      | 76906                         | 6V 15W BA15D                     | 8018                      |
| Nikon 2 Vert                                    | 79099                         | 6V 20W                           | ESB                       |
| Nikon 2A  | 71818                         | 10V 70W P28S Vertical Filament   | 71818                     |
| Nikon 2A Shadow                                 | 71256                         | 10V 70W P28S Vertical Filament   | 71818                     |
| Nikon 3 Shadow                                  | 71256                         | 10V 70W P28S Vertical Filament   | 71818                     |
| Nikon 3A Shadow & 3C Shadow/Surface             | 71256                         | 10V 70W P28S Vertical Filament   | 71818                     |
| Nikon 3A Surface                                | 71818                         | 10V 70W P28S Vertical Filament   | 71818                     |
| Nikon 50i Eclipse i-Series                      | 84246                         | 6V 30W                           | 64265                     |
| Nikon 6C Shadow - Surface                       | 71818                         | 10V 70W P28S Vertical Filament   | 71818                     |
| Nikon 6C2                                       | 71826                         | 24V 150W                         | FCS                       |
| Nikon 80i Eclipse i-Series                      | 84125                         | 12V 100W                         | EVA                       |
| Nikon 88 Epi/Dia                                | 76516                         | 12V 50W                          | BRL                       |
| Nikon 90i Eclipse i-Series                      | 84125                         | 12V 100W                         | EVA                       |
| Nikon Alphaphot & SE                            | 78508                         | 120V 30W                         | 78508                     |
| Nikon Alphaphot (old)                           |                               | 115V 20W BA15D SILV SIDE         | 77427                     |
| Nikon Alphaphot KT-2 & KT                       | 79099                         | 6V 20W                           | ESB                       |
| Nikon Alphaphot-2                               | 78508                         | 115V 30W BA15D                   | 78508                     |
| Nikon Alphaphot YS                              | 78595                         | 120V 20W                         | 78595                     |
| Nikon Apophot                                   | 78508                         | 115V 30W BA15D                   | 78508                     |
| Nikon Apophot                                   |                               | 6V 30W                           | 77904                     |
| Nikon Apophot 100W Halogen                      | 76513                         | 12V 100W                         | FCR                       |
| Nikon Apophot FL                                | 78560                         | 200W Mercury                     | USH205DP, HBO200W2L2      |
| Nikon Apophot Tungsten                          | 77904                         | 6V 30W                           | 738                       |
| Nikon Apophot Xenon Illum                       | 76461                         | 150W Xenon                       | XBO150W1OFR               |
| Nikon Apophot Xenon not available               | 76378                         | 150W Xenon                       | XBO150W1OFR               |
| Nikon Aristo Dual Ring Fluorescent              | 76492                         | RINGLIGHT 4500K                  | M1457-2W45                |
| Nikon Autocollimator 6D                         | EXB20134                      | 6V 15W BA15D                     | 8018                      |
| Nikon Autocollimator 6D, 6B                     | EXA20140                      | 6V 15W BA15D                     | 8018                      |
| Nikon Autocollimator models 3, 5, 6             |                               | 6V 10W                           | ESA                       |
| Nikon Autocollimator, Photoelectric single/dual | 79098                         | 6V 1.2W                          | 328                       |
| Nikon Biophot                                   | 76513                         | 12V 100W                         | FCR                       |
| Nikon CL Classic                                | 77427                         | 115V 20W BA15D SILV SIDE         | 77427                     |
| Nikon CL Classic Binocular                      | 77427                         | 115V 20W BA15D SILV SIDE         | 77427                     |
| Nikon CL Monoc                                  | 77427                         | 115V 20W BA15D SILV SIDE         | 77427                     |
| Nikon Coaxial illuminator                       | 79099                         | 6V 20W                           | ESB                       |
| Nikon Comparator 2                              | 71820                         | 8V 60W BA15D                     | 71820                     |
| Nikon Comparator 2A Shadow                      | 71818                         | 10V 70W P28S Vertical Filament   | 71818                     |
| Nikon Comparator 2a Surface                     | 71819                         | 10V 70W P28S Horizontal Filament | OP2401                    |

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|---|-------------------------------|----------------------------------|---------------------------|
| Nikon Comparator 3, 3A Surface            | 71819                         | 10V 70W P28S Horizontal Filament | OP2401                    |
| Nikon Comparator 3, 3A, 3C Shadow         | 71818                         | 10V 70W P28S Vertical Filament   | 71818                     |
| Nikon Comparator 3C (Surface - Shadow)    | 71818                         | 10V 70W P28S Vertical Filament   | 71818                     |
| Nikon Comparator 5A 5B (Shadow)           | 71502                         | 12V 200W P28S                    | 71502                     |
| Nikon Comparator 5A 5B (Surface)          | 71500                         | 120V 300W P28S                   | CXK                       |
| Nikon Comparator 6C Hi-Intensity          |                               | 21V 150W                         | EJA, EKE                  |
| Nikon Comparator 6C Hi-Intensity          |                               | 22V 150W                         | EKE/LL                    |
| Nikon Comparator 6C Shadow - Surface      | 71819                         | 10V 70W P28S Horizontal Filament | OP2401                    |
| Nikon Comparator 6C-2                     | 71826                         | 24V 150W                         | FCS                       |
| Nikon Comparator 7                        | 72168                         | 15V 150W P28S                    | 72168                     |
| Nikon Comparator H14 H14A                 | 72168                         | 15V 150W P28S                    | 72168                     |
| Nikon Comparator H14 H14A Opt Readout     | EXA20140                      | 6V 15W BA15D                     | 8018                      |
| Nikon Comparator H14 H14A Opt Readout     |                               | 6V 15W Screw Base                | TBD                       |
| Nikon Comparator H14B                     | 76513                         | 12V 100W                         | FCR                       |
| Nikon Comparator R14 (Shadow)             | 71502                         | 12V 200W P28S                    | 71502                     |
| Nikon Comparator R14 Pilot                |                               | 6V 1.5W                          | 328                       |
| Nikon Comparator R14 Surface              | 72168                         | 115V 500W                        | 72168                     |
| Nikon Comparator V10                      | 76516                         | 12V 50W                          | BRL                       |
| Nikon Comparator V12                      | 71826                         | 24V 150W                         | FCS                       |
| Nikon Comparator V12 Aux Illum            | 71826                         | 24V 150W                         | FCS                       |
| Nikon Comparator V14                      | 72168                         | 15V 150W P28S                    | 72168                     |
| Nikon Comparator V16 V16A                 | 72168                         | 15V 150W P28S                    | 72168                     |
| Nikon Comparator V16C V16D V16E           | 71826                         | 24V 150W                         | FCS                       |
| Nikon Comparator V20 V20A                 | 71826                         | 24V 150W                         | FCS                       |
| Nikon Comparator V24 V24A V24AS (Shadow)  | 71502                         | 12V 200W P28S                    | 71502                     |
| Nikon Comparator V24 V24A V24AS (Surface) | 71500                         | 120V 300W P28S                   | CXK                       |
| Nikon Comparator V24B                     | 71826                         | 24V 150W                         | FCS                       |
| Nikon Diaphot                             | 76516                         | 12V 50W                          | BRL                       |
| Nikon Diascopic                           | 77904                         | 6V 5A                            | 738                       |
| Nikon Diff "R" M & MS Epi                 | 77910                         | 6V 15W                           | 77910                     |
| Nikon Differential R (S Series)           | 77910                         | 6V 15W                           | 77910                     |
| Nikon Dual View (can sub 79186)           |                               | 3V SX6S                          | 328                       |
| Nikon E1000 & E1000M                      | 84125                         | 12V 100W                         | EVA                       |
| Nikon E200                                | 79099                         | 6V 20W                           | ESB                       |
| Nikon E200 EPI-FL 50 Mercury Illum.       | 78588                         | 50W Mercury                      | HBO50WACL1                |
| Nikon E400 & E400POL                      | 84246                         | 6V 30W                           | 64265                     |
| Nikon E600, E600FN, and E600POL           | 84125                         | 12V 100W                         | EVA                       |
| Nikon E800 & E800M                        | 84125                         | 12V 100W                         | EVA                       |
| Nikon Electronic Flash (old)              | MBV10010                      | 200W Flash Tube                  | 79883                     |

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| Manufacturer, Model                               | Manufacturer Lamp Part Number | Description              | Hi-Tech Lamps Part Number |
|---|-------------------------------|--------------------------|---------------------------|
| Nikon Endothelial Camera                          | 78021                         | 6V 30W                   | 78021                     |
| Nikon EPI FL (Single Fltr) Optiphot/Labophot, S/L | 78588                         | 50W Mercury              | HBO50WACL1                |
| Nikon EPI Fluorescence                            | 78589                         | 100W Mercury             | HBO100W2, USH102DH        |
| Nikon Epi Fluorescence Apophot                    | 78580                         | 200W Mercury             | USH205DP, HBO200W2L2      |
| Nikon Epi Fluorescence Fluophot                   | 78580                         | 200W Mercury             | USH205DP, HBO200W2L2      |
| Nikon Epi Fluorescence Optiphot & Labophot        | 78564                         | 50W Mercury              | HBO50WACL1 or L2          |
| Nikon EPI illum. (S) & stereo (old models)        | 76906                         | 6V 15W BA15D             | 8018                      |
| Nikon Epi Model 2                                 | 77910                         | 6V 15W                   | 77910                     |
| Nikon EPI Model 2 (S Series)                      | 77910                         | 6V 15W                   | 77910                     |
| Nikon Epiphot                                     | 76516                         | 12V 50W                  | BRL                       |
| Nikon Epiphot TME 100W Mercury                    | 78589                         | 100W Mercury             | HBO100W2, USH102DH        |
| Nikon Epiphot TME 12V 100W Halogen                | 76513                         | 12V 100W                 | FCR                       |
| Nikon Epiphot TME 12V 50W Halogen                 | 76516                         | 12V 50W                  | BRL                       |
| Nikon Epiphot TME 75W Xenon                       | 78682                         | 75W Xenon                | XBO75W2, UXL75XE          |
| Nikon Epiphot-200/300 12V 100W Halogen            | 84125                         | 12V 100W                 | EVA                       |
| Nikon Epiphot-200/300 12V 50W Halogen             | 76516                         | 12V 50W                  | BRL                       |
| Nikon Epiphot-200/300 200W Mercury                | 78589                         | 100W Mercury             | HBO100W2, USH102DH        |
| Nikon Epiphot-200/300 75W Xenon                   | 78682                         | 75W Xenon                | XBO75W2, UXL75XE          |
| Nikon Epiphot-200/300 Metal Halide                | MXK21979                      | 150W METAL HALIDE        | HTI150W                   |
| Nikon EPOI Inverted                               | 76597                         | 2.25V .25W E10           | 222                       |
| Nikon Fiber Optic Illuminator                     | 76223                         | 21V 150W                 | EJA, EKE                  |
| Nikon FL200 FT200                                 | 78590                         | 200W Mercury             | USH205DP, HBO200W2L2      |
| Nikon FL200 Tungsten                              | 77904                         | 6V 5A                    | 738                       |
| Nikon Fluophot Base                               | 76513                         | 12V 100W                 | FCR                       |
| Nikon Fluorescent Ringlight                       | 83361                         | Fluor. Ringlight         | FL150                     |
| Nikon G   |                               | 115V 20W BA15D SILV SIDE | 77427                     |
| Nikon H14   | 72168                         | 15V 150W P28S            | 72168                     |
| Nikon H14A-Shadow-Surface                         | 72168                         | 15V 150W P28S            | 72168                     |
| Nikon HMX Lamphouse - 75W Xenon                   | 78682                         | 75W Xenon                | XBO75W2, UXL75XE          |
| Nikon HMX Lamphouse - Mercury 100W                | 78589                         | 100W Mercury             | HBO100W2, USH102DH        |
| Nikon HMX Lamphouse 100 Halogen                   | 76513                         | 12V 100W                 | FCR                       |
| Nikon HMX-2 Lamphouse - Halogen 100W              | 84125                         | 12V 100W                 | EVA                       |
| Nikon L150/L150A-75W Xenon                        | 78682                         | 75W Xenon                | XBO75W2, UXL75XE          |
| Nikon L150/L150A-Halogen 100W                     | 84125                         | 12V 100W                 | EVA                       |
| Nikon L150/L150A-Mercury 100W                     | 78589                         | 100W Mercury             | HBO100W2, USH102DH        |
| Nikon L200 Eclipse                                | 84125                         | 12V 100W                 | EVA                       |
| Nikon L200A Eclipse                               | 84125                         | 12V 100W                 | EVA                       |
| Nikon L200D Eclipse                               | 84125                         | 12V 100W                 | EVA                       |
| Nikon Labophot                                    | 79099                         | 6V 20W                   | ESB                       |

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|---|-------------------------------|-------------------|---------------------------|
| Nikon Labophot (specify type L1 or L2)        | 78564                         | 50W Mercury       | HBO50WACL1 or L2          |
| Nikon Labophot-2 & Labophot-2A                | 84246                         | 6V 30W            | 64265                     |
| Nikon LKE                                     |                               | 6V 30W            | 77904                     |
| Nikon L-Ke                                    | 77904                         | 6V 5A             | 738                       |
| Nikon L-Ke 100W Halogen                       | 76513                         | 12V 100W          | FCR                       |
| Nikon M                                       | 77904                         | 6V 30W            | 77904                     |
| Nikon M & MS EPI Illum                        | 77910                         | 6V 15W            | 77910                     |
| Nikon M 100W Halogen                          | 76513                         | 12V 100W          | FCR                       |
| Nikon M Epi                                   | 79099                         | 6V 20W            | ESB                       |
| Nikon M EPI III (old 20W) Optiphot            | 79099                         | 6V 20W            | ESB                       |
| Nikon M Inverted                              |                               | 6V 30W            | 77904                     |
| Nikon M11                                     | 70249                         | 6V 20W            | 70249                     |
| Nikon M12                                     | 70249                         | 6V 20W            | 70249                     |
| Nikon M20                                     | 70249                         | 6V 20W            | 70249                     |
| Nikon M21                                     | 70249                         | 6V 20W            | 70249                     |
| Nikon M22 Epi                                 | 76516                         | 12V 50W           | BRL                       |
| Nikon Marco CP670 Proj. Remote NP-3           | 88106                         | 6V 20W            | JC6V20WG6.35              |
| Nikon ME600D 12V 100W Diascopic Illuminator   | 84125                         | 12V 100W          | EVA                       |
| Nikon ME600L                                  | 78589                         | 100W Mercury      | HBO100W2, USH102DH        |
| Nikon ME600L 12V 100W Diascopic Illuminator   | 84125                         | 12V 100W          | EVA                       |
| Nikon ME600L 75W Xenon                        | 78682                         | 75W Xenon         | XBO75W2, UXL75XE          |
| Nikon ME600L Episcopic Lamphouse              | 84125                         | 12V 100W          | EVA                       |
| Nikon ME600P/D                                | 78589                         | 100W Mercury      | HBO100W2, USH102DH        |
| Nikon ME600P/D 12V 100W Halogen Episcopic     | 84125                         | 12V 100W          | EVA                       |
| Nikon ME600P/D 75W Xenon                      | 78682                         | 75W Xenon         | XBO75W2, UXL75XE          |
| Nikon Measurescope MM-11 (10W EPI & DIA)      | 76342                         | 6V 10W            | ESA                       |
| Nikon Measurescope MM-11 (20W EPI & DIA)      | 79099                         | 6V 20W            | ESB                       |
| Nikon Measurescope MM-22 EPI Illum            | 76516                         | 12V 50W           | BRL                       |
| Nikon Measurescope MM40 6V 20W EPI & DIA      | 79099                         | 6V 20W            | ESB                       |
| Nikon Measurescope MM40/60 100W HMX-2 Illum   | 76513                         | 12V 100W          | FCR                       |
| Nikon Measurescope MM40/60 100W Precent. III. | 84125                         | 12V 100W          | EVA                       |
| Nikon Measurescope MM40/60 75W Xenon HMX III. | 78682                         | 75W Xenon         | XBO75W2, UXL75XE          |
| Nikon Measurescope MM40/60 Fiber Optic 150W   | MXK21979                      | 150W METAL HALIDE | HTI150W                   |
| Nikon Measurescope MM40-2U Universal EPI      | 76516                         | 12V 50W           | BRL                       |
| Nikon Measurescope MM60 Universal EPI         | 76516                         | 12V 50W           | BRL                       |
| Nikon Measurescope Ringlight                  | 70877                         | 6V 3W             | 70877                     |
| Nikon Measurescope TM-1 (Shadow)              | EXA20014                      | 6V 10W            | ESA                       |
| Nikon Measurescope TM-1 EPI                   | 79099                         | 6V 20W            | ESB                       |
| Nikon Measurescope TM-1 EPI B III             | 77910                         | 6V 15W            | 77910                     |

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|---|-------------------------------|----------------|---------------------------|
| Nikon Measurescope TM-2 EPI               | 79099                         | 6V 20W         | ESB                       |
| Nikon Measurescope TM-2 EPI B III         | 77910                         | 6V 15W         | 77910                     |
| Nikon Measurescope TM-2 Surf & Shadow     | 77910                         | 6V 15W         | 77910                     |
| Nikon Measurescope TM-20 DIA & EPI        | 76516                         | 12V 50W        | BRL                       |
| Nikon Measurescope UM-3 Base              | 76516                         | 12V 50W        | BRL                       |
| Nikon Measurescope VM40/60 Diascopic Base | 76516                         | 12V 50W        | BRL                       |
| Nikon Metaphot EPI & DIA                  | 76513                         | 12V 100W       | FCR                       |
| Nikon Micropan                            |                               | 450W Xenon     | XBO450WOFR                |
| Nikon Microphot EPI FL 200W               | 78560                         | 200W Mercury   | USH205DP, HBO200W2L2      |
| Nikon Microphot FX (old)                  | 76513                         | 12V 100W       | FCR                       |
| Nikon Microphot STD                       | 76513                         | 12V 100W       | FCR                       |
| Nikon Microphot-FXA & FXL                 | 84125                         | 12V 100W       | EVA                       |
| Nikon Microscope-Illuminator              | 77906                         | 120V 15W       | 77906                     |
| Nikon Microscope-Illuminator              | 78595                         | 120V 20W       | 78595                     |
| Nikon MK2 Fiber Optic Illuminator         | 76223                         | 21V 150W       | EJA, EKE                  |
| Nikon Model 1                             | 76617                         | 2.25V .25W E10 | 222                       |
| Nikon Model 1 EPI                         | EXA20140                      | 6V 15W BA15D   | 8018                      |
| Nikon Model 2 (new models)                | 76907                         | 6V 15W         | 76907                     |
| Nikon Model 5A                            | 71500                         | 120V 300W P28S | CXK                       |
| Nikon Model 5B                            | 71500                         | 120V 300W P28S | CXK                       |
| Nikon Model H                             | 76597                         | 2.25V .25W E10 | 222                       |
| Nikon Model H                             | 76617                         | 2.25V .25W E10 | 222                       |
| Nikon Model M                             | 76513                         | 12V 100W       | FCR                       |
| Nikon MS                                  | 76513                         | 12V 100W       | FCR                       |
| Nikon MS                                  | 77904                         | 6V 5A          | 738                       |
| Nikon MS 100W Halogen                     | 76513                         | 12V 100W       | FCR                       |
| Nikon MS Inverted                         |                               | 6V 30W         | 77904                     |
| Nikon Multi Viewing & Dual View           | 79186                         | 6V 1.2W        | 328                       |
| Nikon Multiphot                           | 77904                         | 6V 5A          | 738                       |
| Nikon Multiphot DIA Base                  |                               | 6V 30W         | 77904                     |
| Nikon Multiphot Universal illum.          |                               | 6V 30W         | 77904                     |
| Nikon NI-150 Fiber Optic Illuminator      | 83380                         | 21V 150W       | EJA, EKE                  |
| Nikon NI-30 Fiber Optic Illuminator       | 83381                         | 10.8V 30W      | EKZ                       |
| Nikon Optiphot                            | 78508                         | 115V 30W BA15D | 78508                     |
| Nikon Optiphot                            | 76516                         | 12V 50W        | BRL                       |
| Nikon Optiphot                            | 79099                         | 6V 20W         | ESB                       |
| Nikon Optiphot 66 DIA Base                | 79099                         | 6V 20W         | ESB                       |
| Nikon Optiphot 88 EPI/DIA                 | 76516                         | 12V 50W        | BRL                       |
| Nikon Optiphot II                         | 76513                         | 12V 100W       | FCR                       |

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|---|-------------------------------|--------------------------|---------------------------|
| Nikon Optiphot M,66,88 EPI III                    | 76516                         | 12V 50W                  | BRL                       |
| Nikon Optiphot 150 Halogen                        | 76516                         | 12V 50W                  | BRL                       |
| Nikon Optiphot 150 200 200C 300                   | 78589                         | 100W Mercury             | HBO100W2, USH102DH        |
| Nikon Optiphot 150 200 200C 300 Metal Halide      | MXK21979                      | 150W METAL HALIDE        | HTI150W                   |
| Nikon Optiphot 150 200 200C 300                   | 84125                         | 12V 100W                 | EVA                       |
| Nikon Optiphot 150 200 200C 300                   | 78682                         | 75W Xenon                | XBO75W2, UXL75XE          |
| Nikon Optiphot-2                                  | 84125                         | 12V 100W                 | EVA                       |
| Nikon Optiphot-POL                                | 76516                         | 12V 50W                  | BRL                       |
| Nikon Optistation 2, 2A, 3, 3A                    | 76516                         | 12V 50W                  | BRL                       |
| Nikon Optistation Epi                             | 76516                         | 12V 50W                  | BRL                       |
| Nikon Optistation V                               | 84125                         | 12V 100W                 | EVA                       |
| Nikon POH Epi                                     | 77910                         | 6V 15W                   | 77910                     |
| Nikon POH EPI Illum                               | 77910                         | 6V 15W                   | 77910                     |
| Nikon POH-3                                       | EXA20140                      | 6V 15W BA15D             | 8018                      |
| Nikon S   | 77406, 77806, 77906           | 110V 20W BA15D           | 20T7BA15D                 |
| Nikon S Substage                                  | 77907                         | 6V 18W BA15D S8          | 383                       |
| Nikon S Substage 6V                               | 77907                         | 6V 18W BA15D S8          | 383                       |
| Nikon SC  | 77458                         | 120V 30W                 | 77458                     |
| Nikon S-Cb/115                                    | 77427                         | 115V 20W BA15D SILV SIDE | 77427                     |
| Nikon S-Cb/D115                                   | 77427                         | 115V 20W BA15D SILV SIDE | 77427                     |
| Nikon S-Cb/D6                                     | 77907                         | 6V 18W BA15D S8          | 383                       |
| Nikon S-CB/D6 QH                                  | 76516                         | 12V 50W                  | BRL                       |
| Nikon S-CbD6/QH                                   | 79099                         | 6V 20W                   | ESB                       |
| Nikon S-CL D115                                   | 77427                         | 115V 20W BA15D SILV SIDE | 77427                     |
| Nikon SE2   | 78595                         | 120V 20W                 | 78595                     |
| Nikon SE-2  | 78595                         | 115V 20W BA15D SILV SIDE | 77427                     |
| Nikon S-KE  |                               | 6V 30W                   | 77904                     |
| Nikon S-Ke  | 77904                         | 6V 5A                    | 738                       |
| Nikon S-KT  | EXA20140                      | 6V 15W BA15D             | 8018                      |
| Nikon S-Kt Illuminator and POH-3                  | 77903                         | 6V 15W                   | 77903                     |
| Nikon S-kt. Labophot-pol                          | 79099                         | 6V 20W                   | ESB                       |
| Nikon Slit Lamp CS-1                              | 78021                         | 6V 30W                   | 78021                     |
| Nikon SMZ 10 Coaxial III.                         | 79099                         | 6V 20W                   | ESB                       |
| Nikon SMZ 10 DIA Base                             | 79099                         | 6V 20W                   | ESB                       |
| Nikon SMZ U Coaxial & EPI Illum                   | 79099                         | 6V 20W                   | ESB                       |
| Nikon SMZ-1 & 2 Vertical Illum                    | 79099                         | 6V 20W                   | ESB                       |
| Nikon SMZ-10 Dia. bases.                          | 79099                         | 6V 20W                   | ESB                       |
| Nikon SMZ 645 660 800 1000 1500 (83322) EPI Illum | 79099                         | 6V 20W                   | ESB                       |
| Nikon SMZ 645 660 800 1000 1500 (83325) 20W EPI   | 83314                         | 6V 20W MR11              | JCRM6V20WFL               |

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|--|-------------------------------|------------------|---------------------------|
| Nikon SMZ 645, 660, 800, 1000, 1500, (83411) DIA Stand | 84246                         | 6V 30W           | 64265                     |
| Nikon SMZ 645 660 800 1000 1500 (83412) OCC Stand      | 84246                         | 6V 30W           | 64265                     |
| Nikon SMZ 645 660 800 1000 1500 (83413) BD Stand       | 84246                         | 6V 30W           | 64265                     |
| Nikon SMZ645 660 800 1000 1500 DIA Stand (83311)       | 83314                         | 6V 20W MR11      | JCRM6V20WFL               |
| Nikon SMZ 800 1000 1500 (83450) Fluor.illum.           | 78589                         | 100W Mercury     | HBO100W2, USH102DH        |
| Nikon SMZ-U Dark/Bright DIA Base                       | 76516                         | 12V 50W          | BRL                       |
| Nikon SMZ-U DIA Base                                   | 79099                         | 6V 20W           | ESB                       |
| Nikon Stereo EPI Illum                                 | 76342                         | 6V 10W           | ESA                       |
| Nikon Stereo Fluor Ringlight old                       | 76378                         | Fluor. Ringlight | M1457-3-W45               |
| Nikon Stereo Fluor Ringlight old                       | MBF12232                      | Fluor. Ringlight | M1457-3-W45               |
| Nikon Stereo Fluorescence Ringlight                    | 76597                         | 2.25V .25W E10   | 222                       |
| Nikon Stereo Illuminator Model 1 - old                 | EXA20140                      | 6V 15W BA15D     | 8018                      |
| Nikon Stereo Illuminator Model 2 - new                 | 76906                         | 6V 15W BA15D     | 8018                      |
| Nikon Stereo Illuminator                               | 76907                         | 6V 15W           | 76907                     |
| Nikon Stereo Illuminator                               | 76906                         | 6V 15W BA15D     | 8018                      |
| Nikon Stereo Single Fluor Ringlight                    | 76378                         | Fluor. Ringlight | M1457-3-W45               |
| Nikon SU   | 76617                         | 2.25V .25W E10   | 222                       |
| Nikon SU   | 76906                         | 6V 15W BA15D     | 8018                      |
| Nikon SU   | EXA20140                      | 6V 15W BA15D     | 8018                      |
| Nikon SU 115V  |                               | 115V 30W BA15D   | 78508                     |
| Nikon Surface Finish Filar                             |                               | 3.7V 1.85W       | 365                       |
| Nikon TE200 & TE300                                    | 84125                         | 12V 100W         | EVA                       |
| Nikon Teaching Head (S Series)                         |                               | 3.7V 1.85W       | 365                       |
| Nikon Teaching Head Illuminator                        |                               | 6V .20A          | 328                       |
| Nikon TM Epi B   | 77910                         | 6V 15W           | 77910                     |
| Nikon TM10 Meascope                                    | 76342                         | 6V 10W           | ESA                       |
| Nikon TM2 Shadow                                       | 77910                         | 6V 15W           | 77910                     |
| Nikon TM20 Dia & Epi                                   | 76516                         | 12V 50W          | BRL                       |
| Nikon TMS  | 79099                         | 6V 20W           | ESB                       |
| Nikon TS100 & TS100-F                                  | 84125                         | 12V 100W         | EVA                       |
| Nikon TS100 EPI-FL 50W Mercury Illum                   | 78588                         | 50W Mercury      | HBO50WACL1                |
| Nikon UM3  | 76516                         | 12V 50W          | BRL                       |
| Nikon Univ Illum                                       | 77904                         | 6V 5A            | 738                       |
| Nikon Universal Epi                                    | 76516                         | 12V 50W          | BRL                       |
| Nikon Universal Microscope Lamp                        | 77904                         | 6V 30W           | 77904                     |
| Nikon V10  | 76516                         | 12V 50W          | BRL                       |
| Nikon V12  | 71826                         | 24V 150W         | FCS                       |
| Nikon V14  | 72168                         | 15V 150W P28S    | 72168                     |
| Nikon V16  | 72168                         | 15V 150W P28S    | 72168                     |

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|-----------------------------------|-------------------------------|----------------------|---------------------------|
| Nikon V16C                        | 71826                         | 24V 150W             | FCS                       |
| Nikon V20                         | 71826                         | 24V 150W             | FCS                       |
| Nikon V20A                        | 78580                         | 200W Mercury         | USH205DP, HBO200W2L2      |
| Nikon V20A                        | 71826                         | 24V 150W             | FCS                       |
| Nikon V24 Surface                 | 71500                         | 120V 300W P28S       | CXK                       |
| Nikon V24B                        | 71826                         | 24V 150W             | FCS                       |
| Nikon Vertexometer PL-2/Slit Lamp | 78079                         | 6V 15W               | 77903                     |
| Nikon VM8                         | 77904                         | 6V 5A                | 738                       |
| Nikon Wild M40/M50                | 70249                         | 6V 20W               | 70249                     |
| Nikon                             | 70386                         | 6V 15W BA15D         | 8018                      |
| Olympus A1FLM                     | 8B190                         | 200W Mercury         | USH205DP, HBO200W2L2      |
| Olympus AFL/ARFL                  | 8B190                         | 200W Mercury         | USH205DP, HBO200W2L2      |
| Olympus AH                        | 8C101                         | 6V 30W               | 77904                     |
| Olympus AH2                       | 88002                         | 150W Xenon           | XBO150W1OFR               |
| Olympus AH2LSRFTH                 | 8B194                         | 75V 220W Tin Halide  | SN250505                  |
| Olympus AH2RFL                    | 8B190                         | 200W Mercury         | USH205DP, HBO200W2L2      |
| Olympus AHMT                      | 8C406                         | 12V 100W             | EVA                       |
| Olympus AHS                       | 8C406                         | 12V 100W             | EVA                       |
| Olympus AHT                       | 8C406                         | 12V 100W             | EVA                       |
| Olympus ALSH3                     | 8C401                         | 12V 100W             | FCR                       |
| Olympus A-RFL-X                   | 88006                         | 150W Xenon           | UXL150SO                  |
| Olympus AX70TRF                   | 8B192U                        | 100W Mercury         | HBO100W2, USH102DH        |
| Olympus AX70TRF                   | 8B192                         | 100W Mercury         | HBO103W2, USH103D         |
| Olympus AX70TRF                   | 8B198                         | 75W Xenon            | XBO75W2, UXL75XE          |
| Olympus BH2MLSH                   | 8C402                         | 12V 50W (2000 hours) | 64440                     |
| Olympus BH2-RFL                   | 8B192O                        | 100W Mercury         | HBO100W2, USH102DH        |
| Olympus BH2-RFL                   | 8B192U                        | 100W Mercury         | HBO100W2, USH102DH        |
| Olympus BH2-RFL                   | 8B198                         | 75W Xenon            | XBO75W2, UXL75XE          |
| Olympus BHA                       | 8C102                         | 6V 30W               | 8C102                     |
| Olympus BHB                       | 8C102                         | 6V 30W               | 8C102                     |
| Olympus BHC                       | 8C103                         | 6V 15W               | 8C103                     |
| Olympus BH-DO                     | 8G102                         | 6V 10W               | 8G102                     |
| Olympus BHLSF                     | 8B193                         | 50W Mercury          | HBO50W3                   |
| Olympus BHM                       | 8C103                         | 6V 15W               | 8C103                     |
| Olympus BHMJ                      | 8C103                         | 6V 15W               | 8C103                     |
| Olympus BHMLSH2                   | 8C402                         | 12V 50W (2000 hours) | 64440                     |
| Olympus BH-RFL                    | 8B192O                        | 100W Mercury         | HBO100W2, USH102DH        |
| Olympus BH-RFL                    | 8B192U                        | 100W Mercury         | HBO100W2, USH102DH        |
| Olympus BH-RFL                    | 8C401                         | 12V 100W             | FCR                       |

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| Manufacturer, Model             | Manufacturer Lamp Part Number | Description            | Hi-Tech Lamps Part Number |
|---------------------------------|-------------------------------|------------------------|---------------------------|
| Olympus BH-RFL                  | 8B198                         | 75W Xenon              | XBO75W2, UXL75XE          |
| Olympus BHS                     | 8C406                         | 12V 100W               | EVA                       |
| Olympus BHT                     | 8C405                         | 6V 20W                 | ESB                       |
| Olympus BHTU                    | 8C405                         | 6V 20W                 | ESB                       |
| Olympus BLSH3                   | 8C401                         | 12V 100W               | FCR                       |
| Olympus Blue White              | 8S302                         | Fluor. Ringlight 4500K | M1457-2W45                |
| Olympus BMAX                    | 8C410                         | 6V 30W                 | 64265                     |
| Olympus BX40                    | 8C410                         | 6V 30W                 | 64265                     |
| Olympus CH                      | 8B152                         | 115-125V 30W           | BLC                       |
| Olympus CHA                     | 8C403                         | 6V 10W                 | ESA                       |
| Olympus CHA                     | 8B104                         | 6V 10W (2000 hours)    | 8B104                     |
| Olympus CHB                     | 8B152                         | 115-125V 30W           | BLC                       |
| Olympus CHK                     | 8B153                         | 120V 20W               | 8B153                     |
| Olympus CH-LSK                  | 8B150                         | 120V 20W               | 8B150                     |
| Olympus CHS                     | 8C405                         | 6V 20W                 | ESB                       |
| Olympus CHT                     | 8B152                         | 115-125V 30W           | BLC                       |
| Olympus CHZ                     | 8B152                         | 115-125V 30W           | BLC                       |
| Olympus CK                      | 8M102                         | 6V 12W                 | 8M102                     |
| Olympus CK2                     | 8C405                         | 6V 20W                 | ESB                       |
| Olympus Daylight White          | 8S302                         | Fluor. Ringlight 5500K | M1457-2W55                |
| Olympus DO                      | 8G101                         | 6V 15W                 | 8G101                     |
| Olympus E                       | 8C101                         | 6V 30W                 | 77904                     |
| Olympus EH                      | 8C101                         | 6V 30W                 | 77904                     |
| Olympus EHS                     | 8B103                         | 6V 15W                 | 8B103                     |
| Olympus F                       | 8C101                         | 6V 30W                 | 77904                     |
| Olympus FH                      | 8C101                         | 6V 30W                 | 77904                     |
| Olympus Fiber Optic Illuminator | 8C404                         | 21V 150W               | EJA, EKE                  |
| Olympus FLM                     | 8C101                         | 6V 30W                 | 77904                     |
| Olympus IMT                     | 8C102                         | 6V 30W                 | 8C102                     |
| Olympus IMT2                    | 8C408                         | 12V 50W                | BRL                       |
| Olympus IMT2-RFL                | 8B192                         | 100W Mercury           | HBO100W2, USH102DH        |
| Olympus IMT2-RFL                | 8B198                         | 75W Xenon              | XBO75W2, UXL75XE          |
| Olympus IXILL30                 | 8C410                         | 6V 30W                 | 64265                     |
| Olympus IX-RFA                  | 8B192U                        | 100W Mercury           | HBO100W2, USH102DH        |
| Olympus IX-RFA                  | 8B192                         | 100W Mercury           | HBO103W2, USH103D         |
| Olympus IX-RFA                  | 8B198                         | 75W Xenon              | XBO75W2, UXL75XE          |
| Olympus KHC                     | 8B152                         | 115-125V 30W           | BLC                       |
| Olympus KHC                     | 8B102                         | 6.5V 2.75A             | 1493                      |
| Olympus KHC                     | 8B102                         | 6V 16.5W               | 8B102                     |

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|---------------------------|-------------------------------|------------------------|---------------------------|
| Olympus L-DO              | 8G102                         | 6V 10W                 | 8G102                     |
| Olympus LK04              | 8C102                         | 6V 30W                 | 8C102                     |
| Olympus LSD               | 8C101                         | 6V 30W                 | 77904                     |
| Olympus LSD Illuminators  | 8C101                         | 6V 30W                 | 77904                     |
| Olympus LSE               | 8C101                         | 6V 30W                 | 77904                     |
| Olympus LSF New Design    | 8S203                         | Fluor. Ringlight       | M1457-3-W45               |
| Olympus LSF Old Design    | 8S203                         | Fluor. Ringlight       | M1457-3-W45               |
| Olympus LSF Old Design UV | 8S203                         | Fluor. Ringlight 365NM | MIC1457-3OL-BLB           |
| Olympus LSF-2             | 8S302                         | Fluor. Ringlight 4500K | M1457-2W-45               |
| Olympus LSF-2             | 8S306                         | Fluor. Ringlight 4500K | M1457-3-W45               |
| Olympus LSH               | 8C403                         | 6V 10W                 | ESA                       |
| Olympus LSK               | 8B150                         | 120V 20W               | 8B150                     |
| Olympus LSK-11            | 8B150                         | 120V 20W               | 8B150                     |
| Olympus LSM               | 8M102                         | 6V 12W                 | 8M102                     |
| Olympus LSM3              | 88002                         | 150W Xenon             | XBO150W1OFR               |
| Olympus LSN               | 8M102                         | 6V 12W                 | 8M102                     |
| Olympus LSP               | 8C201                         | 6V 12W                 | 8C201                     |
| Olympus LSP               | 8M102                         | 6V 12W                 | 8M102                     |
| Olympus M-DO              | 8G102                         | 6V 10W                 | 8G102                     |
| Olympus MG                | 8M102                         | 6V 12W                 | 8M102                     |
| Olympus MI                | 8M103                         | 6V 12W                 | 8M103                     |
| Olympus MTX               | 8C101                         | 6V 30W                 | 77904                     |
| Olympus OCS               | 8S401                         | 15V 150W               | EFR, EFR-5X (500HR)       |
| Olympus OCS-2             | 8S401                         | 15V 150W               | EFR, EFR-5X (500HR)       |
| Olympus OME               | 8S401                         | 15V 150W               | EFR, EFR-5X (500HR)       |
| Olympus Photomax          | 8B101                         | 6V 30W                 | 8B101                     |
| Olympus PMD               | 8C101                         | 6V 30W                 | 77904                     |
| Olympus PME               | 8C101                         | 6V 30W                 | 77904                     |
| Olympus PMEDL             | 8M102                         | 6V 12W                 | 8M102                     |
| Olympus PMELSM            | 8C104                         | 12V 100W               | FCR                       |
| Olympus PMG3              | 8C406                         | 12V 100W               | EVA                       |
| Olympus SCX Stereo        | 8B192                         | 100W Mercury           | HBO100W2, USH102DH        |
| Olympus SS105             | 8S307                         | 6V 20W                 | ESB                       |
| Olympus STM               | 8M102                         | 6V 12W                 | 8M102                     |
| Olympus STM               | 8C103                         | 6V 15W                 | 8C103                     |
| Olympus STM-4             | 8M103                         | 6V 12W                 | 8M103                     |
| Olympus STM-4             | 8G101                         | 6V 15W                 | 8G101                     |
| Olympus STS reflected MI  | 8M102                         | 6V 12W                 | 8M102                     |
| Olympus SZ                | 8C201                         | 6V 12W                 | 8C201                     |

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|---------------------------------|-------------------------------|-------------------------------|---------------------------|
| Olympus SZH-1LLB                | 8C405                         | 6V 20W                        | ESB                       |
| Olympus SZH-1LLC                | 8C405                         | 6V 20W                        | ESB                       |
| Olympus SZH-1LLK                | 8C405                         | 6V 20W                        | ESB                       |
| Olympus SZH-ILLD                | 8C402                         | 12V 50W (2000 hours)          | 64440                     |
| Olympus SZHLSGA                 | 8C408                         | 6V 15W                        | 8C408                     |
| Olympus TMLSG2                  | 8C201                         | 6V 12W                        | 8C201                     |
| Olympus Transillum Base SZIII   | 8S250                         | 120V 20W                      | 8S250                     |
| Olympus ULS03                   | 8C410                         | 6V 30W                        | 64265                     |
| Olympus ULS30                   | 8C410                         | 6V 30W                        | 64265                     |
| Olympus Ultra-Violet            | 8S302                         | Fluor. Ringlight 365NM        | M1457-2WBLB               |
| Olympus Universal Lamphouse AH2 | 8B195                         | 150W Xenon                    | XBO150WCROFR              |
| Olympus VH-1LA2                 | 8C405                         | 6V 20W                        | ESB                       |
| Olympus VM-ILA                  | 8B153                         | 120V 20W                      | 8B153                     |
| Olympus VM-ILA2                 | 8C405                         | 6V 20W                        | ESB                       |
| Olympus VM-LSG                  | 8C103                         | 6V 15W                        | 8C103                     |
| Olympus VMZ500                  | 8S307                         | 6V 20W                        | ESB                       |
| Olympus Warm White              | 8S302                         | Fluor. Ringlight 3100K        | M1457-2W31                |
| Olympus XTR                     | 8S250                         | 120V 20W                      | 8S250                     |
| Olympus                         | 8S302                         | Fluor. Ringlight W/REFL 4500K | M1457-2OL-W45             |
| Osram                           | 64623                         | 12V 100W                      | EVA                       |
| Osram                           | 64625                         | 12V 100W                      | FCR                       |
| Osram                           | 64627                         | 12V 100W                      | EFP                       |
| Osram                           | 64626                         | 12V 100W PG22                 | 64626                     |
| Osram                           | 64425                         | 12V 20W (2000 hours)          | 64425                     |
| Osram                           | 64610                         | 12V 50W                       | BRL                       |
| Osram                           | 64440                         | 12V 50W (2000 hours)          | 64440                     |
| Osram                           | 64615                         | 12V 75W                       | EFN                       |
| Osram                           | 64634                         | 15V 150W                      | EFR, EFR-5X (500HR)       |
| Osram                           | 64640                         | 24V 150W                      | FCS                       |
| Osram                           | 64655                         | 24V 250W                      | EHJ                       |
| Osram                           | 64410                         | 6V 10W                        | 64410                     |
| Osram                           | 64225                         | 6V 10W                        | ESA                       |
| Osram                           | 64223                         | 6V 10W                        | 64223                     |
| Osram                           | 64250                         | 6V 20W                        | ESB                       |
| Phillips                        | 7023                          | 12V 100W                      | FCR                       |
| Phillips                        | 7724                          | 12V 100W                      | EVA                       |
| Phillips                        | 7023                          | 12V 100W                      | FCR                       |
| Phillips                        | 6839C                         | 12V 100W                      | EHE                       |
| Phillips                        | 6423                          | 15V 150W                      | EFR, EFR-5X (500HR)       |

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|------------------------------------|-------------------------------|----------------------|---------------------------|
| Phillips                           | 7158                          | 24V 150W             | FCS                       |
| Phillips                           | 7748                          | 24V 250W             | EHJ                       |
| Phillips                           | 7387                          | 6V 10W               | ESA                       |
| Phillips                           | 6605                          | 6V 10W (2000 hours)  | 8B104                     |
| Phillips                           | 13528                         | 6V 15W               | 8C408                     |
| Phillips                           | 13347W                        | 6V 15W BA15D         | 8018                      |
| Phillips                           | 13347Z                        | 6V 15W BA15D         | 8018                      |
| Phillips                           | 13347C                        | 6V 15W PX22D         | 380018-1730               |
| Seiler (after 2000)                | 5972                          | 6V 20W               | 64223                     |
| Seiler 102 Ceiling Model           | 64634                         | 15V 150W             | EFR, EFR-5X (500HR)       |
| Seiler 102 ENT Ceiling Model       | 64634                         | 15V 150W             | EFR, EFR-5X (500HR)       |
| Seiler 102 ENT Floor Model         | 64634                         | 15V 150W             | EFR, EFR-5X (500HR)       |
| Seiler 102 ENT Table Model         | 64634                         | 15V 150W             | EFR, EFR-5X (500HR)       |
| Seiler 102 ENT Wall Model          | 64634                         | 15V 150W             | EFR, EFR-5X (500HR)       |
| Seiler 102 Floor Model             | 64634                         | 15V 150W             | EFR, EFR-5X (500HR)       |
| Seiler 102 Table Model             | 64634                         | 15V 150W             | EFR, EFR-5X (500HR)       |
| Seiler 102 Wall Model              | 64634                         | 15V 150W             | EFR, EFR-5X (500HR)       |
| Seiler 107 Ceiling Model           | 64634                         | 15V 150W             | EFR, EFR-5X (500HR)       |
| Seiler 107 Floor Model             | 64634                         | 15V 150W             | EFR, EFR-5X (500HR)       |
| Seiler 107 Table Model             | 64634                         | 15V 150W             | EFR, EFR-5X (500HR)       |
| Seiler 107 Wall Model              | 64634                         | 15V 150W             | EFR, EFR-5X (500HR)       |
| Seiler 170F Table Model            | 64634                         | 15V 150W             | EFR, EFR-5X (500HR)       |
| Seiler 931 Floor Model             | EKE                           | 21V 150W             | EKE                       |
| Seiler Colposcope 935/955/965      | 64634                         | 15V 150W             | EFR, EFR-5X (500HR)       |
| Seiler Laboval 5 (Binocular)       | 64250                         | 6V 20W               | ESB                       |
| Seiler Laboval 5 (Trinocular)      | 64250                         | 6V 20W               | ESB                       |
| Seiler M902 Floor Model            | 64634                         | 15V 150W             | EFR, EFR-5X (500HR)       |
| Seiler M903 Wall Model             | 64634                         | 15V 150W             | EFR, EFR-5X (500HR)       |
| Seiler M904 Ceiling Model          | 64634                         | 15V 150W             | EFR, EFR-5X (500HR)       |
| Seiler Microlux II (SP Flat Field) | 64250                         | 6V 20W               | ESB                       |
| Seiler Microlux III                | 64425                         | 12V 20W (2000 hours) | 64425                     |
| Seiler Revelation                  | 64634                         | 15V 150W             | EFR, EFR-5X (500HR)       |
| Seiler Seilerscope                 | 64250                         | 6V 20W               | ESB                       |
| Seiler Surgery 110F                | SI 64627                      | 12V 100W             | EFP                       |
| Seiler Surgery 150F                | SI 64627                      | 12V 100W             | EFP                       |
| Seiler V3000 (before 2000)         | 5972                          | 6V 10W               | 64223                     |
| Seiler Westlab                     | 64250                         | 6V 20W               | ESB                       |
| Seiler ZM-11 (Zoom/Floor Model)    | DNE                           | 120V 150W            | DNE                       |
| Sunnex High Intensity Unit         | 64425                         | 12V 20W (2000 hours) | 64425                     |

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|---|-------------------------------|---------------------|---------------------------|
| Swift (Prefocused)                                | MA760                         | 6.5V 2.75A          | 1460                      |
| Swift CIB   | MA886                         | 120V 20W            | MA886                     |
| Swift CIBM  | MA722                         | 120V 30W            | MA722A                    |
| Swift CIBM M3200-50% Silver                       | MA886                         | 120V 20W            | MA886                     |
| Swift CYHR5                                       | MA760                         | 6.5V 2.75A          | 1460                      |
| Swift CYR   | MA402                         | 6.5V 2.75A          | 1493                      |
| Swift CYVR  | MA722                         | 120V 30W            | MA722A                    |
| Swift Duo Master                                  | MA987                         | 6V 6W               | 8G101                     |
| Swift EPI Illum                                   | MA100                         | 6V 18W BA15D S8     | 383                       |
| Swift Fluoromaster                                | MA885                         | 200W Mercury        | HBO200W4L1                |
| Swift Incident illumination on M80B Stand-frosted | MA724                         | 120V 20W            | MA724                     |
| Swift M100 Series                                 | MA100                         | 6V 18W BA15D S8     | 383                       |
| Swift M1000                                       | MA402                         | 6.5V 2.75A          | 1493                      |
| Swift M1001                                       | MA722                         | 120V 30W            | MA722A                    |
| Swift M1001D                                      | MA722A                        | 120V 30W            | MA722                     |
| Swift M1002                                       | MA760                         | 6.5V 2.75A          | 1460                      |
| Swift M1002D                                      | MA780                         | 6V 20W              | ESB                       |
| Swift M1004                                       | MA760                         | 6.5V 2.75A          | 1460                      |
| Swift M1004D                                      | MA780                         | 6V 20W              | ESB                       |
| Swift M1005                                       | MA760                         | 6.5V 2.75A          | 1460                      |
| Swift M1005D                                      | MA780                         | 6V 20W              | ESB                       |
| Swift M1190                                       | MA570                         | 120V 15W 1/2 silver | MA570                     |
| Swift M20 Series                                  | MA987                         | 6V 6W               | 8G101                     |
| Swift M20T Series                                 | MA21                          | 6V 12W              | MA21                      |
| Swift M2240                                       | MA2201                        | 115V 20W            | MA2201                    |
| Swift M2247B                                      | MA722                         | 120V 30W            | MA722A                    |
| Swift M240  | MA2201                        | 115V 20W            | MA2201                    |
| Swift M25   | MA2201                        | 115V 20W            | MA2201                    |
| Swift M250  | MA2201                        | 115V 20W            | MA2201                    |
| Swift M250  | MA2201                        | 115V 20W            | MA2201                    |
| Swift M3200                                       | MA886                         | 120V 20W            | MA886                     |
| Swift M3200                                       | MA722A                        | 120V 30W            | MA722                     |
| Swift M3300D                                      | MA780                         | 6V 20W              | ESB                       |
| Swift M3301D                                      | MA722A                        | 120V 30W            | MA722                     |
| Swift M400  | MA886                         | 120V 20W            | MA886                     |
| Swift M400  | MA402                         | 6.5V 2.75A          | 1493                      |
| Swift M4000D                                      | MA780                         | 6V 20W              | ESB                       |
| Swift M4001D                                      | MA722A                        | 120V 30W            | MA722                     |
| Swift M4002D                                      | MA780                         | 6V 20W              | 778                       |

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|-----------------------------------|-------------------------------|--------------|---------------------------|
| Swift M4003D                      | MA780                         | 6V 20W       | 778                       |
| Swift M4004D                      | MA780                         | 6V 20W       | 778                       |
| Swift M4005D                      | MA780                         | 6V 20W       | 778                       |
| Swift M459B                       | MA722                         | 120V 30W     | MA722A                    |
| Swift M80BH Blue Transmitted      | MA726 (Blue)                  | 120V 20W     | MA726                     |
| Swift M80BH Incident Illumination | MA723                         | 6V 6W BA15D  | Use 6S6BA15D6V            |
| Swift M8802B Incident Illum Stand | MA8816                        | 6V 18W       | 1493                      |
| Swift M80BH Stand                 | MA724                         | 120V 20W     | MA724                     |
| Swift M950                        | MA2201                        | 115V 20W     | MA2201                    |
| Swift M960                        | MA2201                        | 115V 20W     | MA2201                    |
| Swift M960                        | MA722A                        | 120V 30W     | MA722                     |
| Swift M970                        | MA722A                        | 120V 30W     | MA722                     |
| Swift MA25                        | MA2201                        | 115V 20W     | MA2201                    |
| Swift MA759                       | MA780                         | 6V 20W       | ESB                       |
| Swift MA985D Duo Master           | MA986                         | 12V 10W E10  | MA986                     |
| Swift OR SL-24 Frosted Flood      | MA584                         | 120V 30W     | MA584                     |
| Swift POH-3                       | MA737                         | 6V 3A        | MA737                     |
| Swift SL-23 (Prior 1984)          | MA760                         | 6.5V 2.75A   | 1460                      |
| Swift SL-8                        | MA584                         | 120V 30W     | MA584                     |
| Swift SSL-10                      | MA2201                        | 115V 20W     | MA2201                    |
| Swift SSL-10C for M240            | MA2201                        | 115V 20W     | MA2201                    |
| Swift SSL-10E                     | MA2201                        | 115V 20W     | MA2201                    |
| Swift Swiftmaster I               | MA780                         | 6V 20W       | ESB                       |
| Swift Swiftmaster II              | MA784                         | 120V 50W     | BRL                       |
| Swift Y2                          | MA736                         | 120V 20W     | MA736                     |
| Swift Y3                          | MA737                         | 6V 18W       | MA737                     |
| Swift Y3 Frosted-50% Silver       | MA737                         | 6V 3A        | MA737                     |
| Swift Y3H                         | MA780                         | 6V 20W       | ESB                       |
| Swift Y4                          | MA738                         | 6V 60W       | MA738                     |
| Swift Y4 (Before 1976)            | MA738                         | 6V 30W       | MA738                     |
| Unitron BMEC                      | 15753                         | 8V 15W       | EL-12B                    |
| Unitron BMLU                      | 15748                         | 8V 12W       | EL-3B                     |
| Unitron BMLU                      | 15747                         | 8V 12W Frost | EL-2B                     |
| Unitron BPHN                      | 15747                         | 8V 12W       | EL-2B                     |
| Unitron BR-MIC                    | 15747                         | 8V 12W Frost | EL-2B                     |
| Unitron Comp Micro                | 16034                         | 21V 150W     | EJA, EKE                  |
| Unitron CP6 Comparison Proj       | 16034                         | 21V 150W     | EJA, EKE                  |
| Unitron DMR                       | 15747                         | 8V 12W Frost | EL-2B                     |
| Unitron DMR                       | 15753                         | 8V 15W       | EL-12B                    |

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|---|-------------------------------|--------------|---------------------------|
| Unitron Fiber Optic Power Supply                | 16034                         | 21V 150W     | EJA, EKE                  |
| Unitron GM                                      | 15753                         | 8V 15W       | EL-12B                    |
| Unitron High Intensity Ring Illuminator         | 15887                         | TBD          | FL RINGLIGHT              |
| Unitron HUM-HI                                  | 15745                         | 13.5V 54W    | EL-1B                     |
| Unitron LAB3                                    | 15828                         | 6V 20W       | 778                       |
| Unitron LHC                                     | 15757                         | 115V 15W     | EL-CHL                    |
| Unitron LKR                                     | 15759                         | 8V 40W       | EL-RKL                    |
| Unitron LKR Koehler Research Illum              | 15759                         | 8V 40W       | OP2205                    |
| Unitron LLV High Intensity Substage Illuminator | 15758                         | TBD          | 48V 4W                    |
| Unitron LS                                      | 15756                         | 12.8V 12W    | 1003                      |
| Unitron LT Spotlight Illum                      | 15756                         | 12.8V 12W    | 1003                      |
| Unitron M1005D                                  | 15746                         | 8V 12W       | EL-6                      |
| Unitron M3300D                                  | 15746                         | 8V 12W       | EL-9                      |
| Unitron M4000D                                  | 15746                         | 8V 12W       | EL-10                     |
| Unitron MA759                                   | 15746                         | 8V 12W       | EL-8                      |
| Unitron MC-TL                                   | 15747                         | 8V 12W Frost | EL-2B                     |
| Unitron ME                                      | 15753                         | 8V 15W       | EL-12B                    |
| Unitron MEC                                     | 15746                         | 8V 12W       | EL-2                      |
| Unitron MEC                                     | 15747                         | 8V 12W       | EL-2B                     |
| Unitron ME-HI                                   | 15745                         | 13.5V 54W    | EL-1B                     |
| Unitron Metallograph                            | 15761                         | 150W Xenon   | XBO150W1OFR               |
| Unitron MIC                                     | 15747                         | 8V 12W Frost | EL-2B                     |
| Unitron MK                                      | 15754                         | 115V 30W     | EL-30                     |
| Unitron MK                                      | 15748                         | 8V 12W       | EL-3B                     |
| Unitron MKD-A                                   | 15748                         | 8V 12W       | EL-3B                     |
| Unitron MKK                                     | 15754                         | 115V 30W     | EL-30                     |
| Unitron MLU                                     | 15748                         | 8V 12W       | EL-3B                     |
| Unitron MLU                                     | 15747                         | 8V 12W Frost | EL-2B                     |
| Unitron MMA                                     | 15746                         | 8V 12W       | EL-3                      |
| Unitron MMU                                     | 15746                         | 8V 12W       | EL-2                      |
| Unitron MPH                                     | 15747                         | 8V 12W Frost | EL-2B                     |
| Unitron MPHBPB                                  | 15747                         | 8V 12W       | EL-2B                     |
| Unitron MPH-N                                   | 15747                         | 8V 12W Frost | EL-2B                     |
| Unitron MSFN-TO                                 | 15746                         | 8V 12W       | EL-2                      |
| Unitron N-11                                    | 15745                         | 13.5V 54W    | EL-1B                     |
| Unitron N-12                                    | 15745                         | 13.5V 54W    | EL-1B                     |
| Unitron N-13                                    | 15745                         | 13.5V 54W    | EL-1B                     |
| Unitron NUM-SL                                  | 15745                         | 13.5V 54W    | EL-1B                     |
| Unitron NUM-TBF                                 | 15745                         | 13.5V 54W    | EL-1B                     |

# Microscope Replacement Lamp Specialist

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| Manufacturer, Model   | Manufacturer Lamp Part Number | Description       | Hi-Tech Lamps Part Number |
|---|-------------------------------|-------------------|---------------------------|
| Unitron NUM-TPH   | 15745                         | 13.5V 54W         | EL-1B                     |
| Unitron NX-11   | 15745                         | 13.5V 54W         | EL-1B                     |
| Unitron NX-11   | 15761                         | 150W Xenon        | XBO150W1OFR               |
| Unitron PH-MIC  | 15745                         | 13.5V 54W         | EL-1B                     |
| Unitron RMM   | 15747                         | 8V 12W Frost      | EL-2B                     |
| Unitron RMM   | 15753                         | 8V 15W            | EL-12B                    |
| Unitron Swiftmaster I   | 15746                         | 8V 12W            | EL-7                      |
| Unitron TMD   | 15747                         | 8V 12W Frost      | EL-2B                     |
| Unitron TM-HI   | 15745                         | 13.5V 54W         | EL-1B                     |
| Unitron TM-OL   | 15748                         | 8V 12W            | EL-3B                     |
| Unitron TMS   | 15747                         | 8V 12W Frost      | EL-2B                     |
| Unitron TPH-N   | 15747                         | 8V 12W Frost      | EL-2B                     |
| Unitron U-11  | 15745                         | 13.5V 54W         | EL-1B                     |
| Unitron U-12  | 15745                         | 13.5V 54W         | EL-1B                     |
| Unitron U-13  | 15745                         | 13.5V 54W         | EL-1B                     |
| Unitron UFM   | 15748                         | 8V 12W            | EL-3B                     |
| Unitron UFMQR High Intensity Illum Series UFM                       | 15752                         | 12V 100W          | EVA                       |
| Unitron Unimet Ser. MR4 Inverted Metal                              | 15828                         | 6V 20W            | 778                       |
| Unitron UX-11   | 15745                         | 13.5V 54W         | EL-1B                     |
| Unitron UX-11   | 15761                         | 150W Xenon        | XBO150W1OFR               |
| Unitron Versamet Metallograph                                       | 15777                         | 24V 150W          | FCS                       |
| Unitron Vert Illum Series UFM                                       | 15750                         | 8V 24W            | EL25C                     |
| Unitron Vertical Illum.   | 15753                         | 8V 15W            | EL-12B                    |
| Wild M40  | 177160                        | 6V 20W BA15D      | 70249                     |
| Wild W113806  | W1384643                      | 12V 50W W/BRACKET | 384-643                   |
| Zeiss 6   | 39-01-58                      | 6V 30W            | 39-01-58                  |
| Zeiss (for metal lamp house only)                                   | 39-01-86                      | 6V 50W            | 39-01-86                  |
| Zeiss 100 lamp house (specify for L1 or L2)                         | 38-16-19                      | 50W Mercury       | HBO50WACL1 or L2          |
| Zeiss 100/16  | 39-01-53                      | 6V 25W            | 39-01-53                  |
| Zeiss 100W lamp house   | 38-00-18-4060                 | 100W Mercury      | HBO100W2, USH102DH        |
| Zeiss 100W lamp house   | 38-00-59-1660                 | 12V 100W          | FCR                       |
| Zeiss 125/16  | 39-01-53                      | 6V 25W            | 39-01-53                  |
| Zeiss 250W lamp house   | 38-00-18-4060                 | 100W Mercury      | HBO100W2, USH102DH        |
| Zeiss 250W lamp house   | 38-00-59-1660                 | 12V 100W          | FCR                       |
| Zeiss 250W lamp house   | 38-00-18-4070                 | 200W Mercury      | HBO200W4L1                |
| Zeiss 60W lamp housing  | 38-00-18-2520                 | 12V 60W           | 380018-2520               |
| Zeiss 9 series  | 39-01-58                      | 6V 30W            | 39-01-58                  |
| Zeiss Attachable illuminator for KF microscopes without transformer | 38-00-18-1830                 | 125-130V 15W      | 15T8E14-130V              |
| Zeiss current & various microscopes & illuminators                  | 38-00-18-1740                 | 6V 15W            | 380018-1740               |

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|---|-------------------------------|-----------------------|---------------------------|
| Zeiss Fiber optic illuminators (operation microscopes)            | 39-01-98                      | 15V 150W              | EFR, EFR-5X (500HR)       |
| Zeiss general purpose illuminator                                 | 38-00-18-9020                 | 6V 15W BA15D          | 8018                      |
| Zeiss GFL   | 38-00-18-1740                 | 6V 15W                | 380018-1740               |
| Zeiss Light section microscopes                                   | 39-01-72                      | 6V 5W                 | 30-07-99                  |
| Zeiss multi-purpose 250W lamp house                               | 3800-18-2600                  | 12V 100W P28S         | 8032                      |
| Zeiss Multi-purpose microscope illuminator                        | 38-00-18-4060                 | 100W Mercury          | HBO100W2, USH102DH        |
| Zeiss Multi-purpose microscope illuminator                        | 38-00-59-1660                 | 12V 100W              | FCR                       |
| Zeiss Multi-purpose microscope illuminator                        | 38-00-18-4070                 | 200W Mercury          | HBO200W4L1                |
| Zeiss Older model GFL & WL microscopes                            | 38-00-18-1730                 | 6V 15W                | 380018-1730               |
| Zeiss Older model stereo microscopes                              | 38-00-18-9020                 | 6V 15W BA15D          | 8018                      |
| Zeiss Operation microscope  | 39-01-53                      | 6V 25W                | 39-01-53                  |
| Zeiss Operation microscope 1                                      | 39-01-58                      | 6V 30W                | 39-01-58                  |
| Zeiss Operation microscopes 1                                     | 39-01-86                      | 6V 50W                | 39-01-86                  |
| Zeiss photo slit lamp   | 39-01-53                      | 6V 25W                | 39-01-53                  |
| Zeiss Photo-microscope  | 38-00-18-1740                 | 6V 15W                | 380018-1740               |
| Zeiss Slit illuminator S  | 39-01-53                      | 6V 25W                | 39-01-53                  |
| Zeiss slit lamp   | 39-01-53                      | 6V 25W                | 39-01-53                  |
| Zeiss Standard microscopes w/6V 10W illuminator (modified socket) | 91-01-54                      | 6V 10W (2000 hours)   | 8B104                     |
| Zeiss standard WL   | 38-00-18-1740                 | 6V 15W                | 380018-1740               |
| Zeiss Stereo illuminator "10s" & "1D02"                           | 91-01-54                      | 6V 10W (2000 hours)   | 8B104                     |
| Zeiss Stereo microscope   | 38-00-18-1740                 | 6V 15W                | 380018-1740               |
| Zeiss Universal   | 38-00-18-1740                 | 6V 15W                | 380018-1740               |
| Zeiss various older model microscopes & illuminators              | 38-00-18-1730                 | 6V 15W                | 380018-1740               |
| Zeiss   | 38-16-13                      | 100W Mercury          | HBO100W2, USH102DH        |
| Zeiss   | 38-04-17                      | 120V 25W              | 25T7BA15D                 |
| Zeiss   | 38-04-16                      | 125-130V 15W E14 PEAR | 15T8E14-130V              |
| Zeiss   | 38-04-16                      | 125-130V 25W E14 PEAR | BFM                       |
| Zeiss   | 38-79-9540                    | 12V 100W              | EVA                       |
| Zeiss   | 38-00-79-9040                 | 12V 100W              | EFP                       |
| Zeiss   | 38-02-15                      | 12V 100W P28S         | 8032                      |
| Zeiss   | 38-75-1020                    | 12V 100W PG22         | 64626                     |
| Zeiss   | 38-01-16                      | 12V 60W               | 380018-2520               |
| Zeiss   | 38-00-447390                  | 150W Xenon            | UXL150S                   |
| Zeiss   | 38-16-17                      | 150W Xenon            | XBO150W1                  |
| Zeiss   | 31-01-98                      | 15V 150W              | EFR, EFR-5X (500HR)       |
| Zeiss   | 38-00-18-2550                 | 15V 150W              | EFR, EFR-5X (500HR)       |
| Zeiss   | 41-70-53                      | 15V 150W              | EFR, EFR-5X (500HR)       |
| Zeiss   | 38-16-15                      | 200W Mercury          | USH205DP, HBO200W2L2      |
| Zeiss   | 38-16-19                      | 200W Mercury          | USH205DP, HBO200W2L2      |

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|---------------------|-------------------------------|---------------------|---------------------------|
| Zeiss               | 39-16-03                      | 200W Mercury        | USH205DP, HBO200W2L2      |
| Zeiss               | 91-00-50                      | 200W Mercury        | USH205DP, HBO200W2L2      |
| Zeiss               | 91-01-43                      | 50W Mercury         | HB050W3                   |
| Zeiss               | 38-01-76                      | 6V 15W              | 380018-1730               |
| Zeiss               | 38-01-77                      | 6V 15W              | 380018-1740               |
| Zeiss               | 38-01-79                      | 6V 15W BA15D        | 8017                      |
| Zeiss               | 38-01-58                      | 6V 30W              | 39-01-58                  |
| Zeiss               | 30-07-99/39-01-72             | 6V 5W PX16S         | 39-01-72                  |
| Zeiss               | 91-02-19                      | 75V 220W Tin Halide | SN250505                  |
| Zeiss               | 38-79-9190                    | 75W Xenon           | XBO75W2, UXL75XE          |