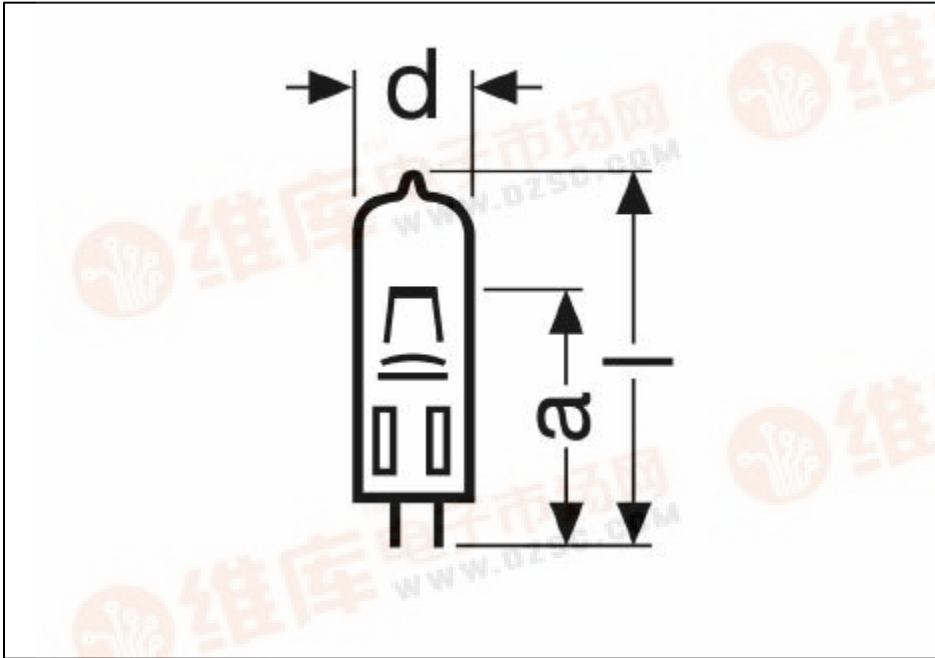


## Product Information Bulletin

### Microscope LV Lamps

#### Low Voltage Tungsten Halogen Lamps (Microscope)



**Microscope LV Lamps**  
**(NAED 54050, 54025, 54019,**  
**53999, 54023, 54138, 54034,**  
**54028, 54032, 54052, 54036)**  
**Low Voltage Tungsten Halogen**  
**Lamps (Microscope)**

- Single end quartz glass
- Legendary OSRAM halogen quality
- XENOPHOT® technology
  - up to 10% higher luminous flux
- Square filament types
  - more even illumination
- Long life version
- G4 / PG22 / G6.35 / GY6.35 bases

#### Technical Data

| Lamp / order reference | ANSI    | NAED  | Rated wattage (W) | Rated voltage (V) | Luminous flux (lm) | LCL a (mm) | MOL l (mm) | Diameter d (mm) | Filament dimensions (w x h) (mm) | Base   | Average service life (hrs) | Operating position |
|------------------------|---------|-------|-------------------|-------------------|--------------------|------------|------------|-----------------|----------------------------------|--------|----------------------------|--------------------|
| <b>64223</b>           |         | 54050 | 10                | 6                 | 150                | 24         | 38         | 9               | 1.5 x 0.7                        | G4     | 300                        | Any                |
| <b>64225</b>           | ESA/FHD | 54025 | 10                | 6                 | 200                | 19.5       | 31         | 9               | 1.7 x 0.65                       | G4     | 100                        | Any                |
| <b>64250 HLX</b>       | ESB     | 54019 | 20                | 6                 | 480                | 19.5       | 31         | 9               | 2.3 x 0.8                        | G4     | 100                        | Any                |
| <b>New 64265 HLX</b>   |         | 53999 | 30                | 6                 | 765                | 19.5       | 31         | 9               | 1.5 X 1.5                        | G4     | 100                        | Any                |
| <b>64261</b>           |         | 54023 | 30                | 12                | 750                | 30         | 44         | 11.5            | 2.6 x 1.3                        | G6.35  | 50                         | Any                |
| <b>64602</b>           |         | 54138 | 50                | 12                | 1000               | 30         | 44         | 11.5            | 3.0 x 3.0                        | G6.35  | 1100                       | s90                |
| <b>64610 HLX</b>       | BRL     | 54034 | 50                | 12                | 1600               | 30         | 44         | 11.5            | 3.3 x 1.6                        | G6.35  | 50                         | s90                |
| <b>64611 HLX</b>       |         | 54028 | 50                | 12                | 1350               | 30         | 44         | 11.5            | 3.3 x 1.6                        | G6.35  | 100                        | s90                |
| <b>64621 HLX</b>       |         | 54032 | 100               | 12                | 2,750              | 18         | 48         | 11.5            | 4.7 x 2.7                        | PG22   | 2,000                      | s90                |
| <b>64623 HLX</b>       | EVA     | 54052 | 100               | 12                | 2800               | 30         | 44         | 11.5            | 4.7 x 2.7                        | GY6.35 | 2000                       | s90                |
| <b>64625 HLX</b>       | FCR     | 54036 | 100               | 12                | 3600               | 30         | 44         | 11.5            | 4.2 x 2.3                        | GY6.35 | 50                         | s90                |

## Ordering Information

| Lamp Description | NAED Code | Standard Case Quantity |
|------------------|-----------|------------------------|
| 64223            | 54050     | 100/case               |
| 64225            | 54025     | 100/case               |
| 64250 HLX        | 54019     | 100/case               |
| 64265            | 53999     | 100/case               |
| 64261            | 54023     | 100/case               |
| 64602            | 54138     | 100/case               |
| 64610 HLX        | 54034     | 100/case               |
| 64611 HLX        | 54028     | 100/case               |
| 64621 HLX        | 54032     | 30/case                |
| 64623 HLX        | 54052     | 100/case               |
| 64625 HLX        | 54036     | 100/case               |

## Application Information

### Applications

- Microscope
- Optical comparators
- Medical scientific diagnostic equipment

### Fixtures

- Leica, Nikon, Olympus, Zeiss

### WARNING

The lamp emits ultraviolet (uv) radiation and operates at high internal pressure. **Before use** read the complete warning accompanying the product.

### Disposal

When disposing of spent lamps, always consult federal, state, local and provincial hazardous waste disposal rules and regulations to ensure proper disposal.

For Orders and  
General Information:  
**OSRAM SYLVANIA**  
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