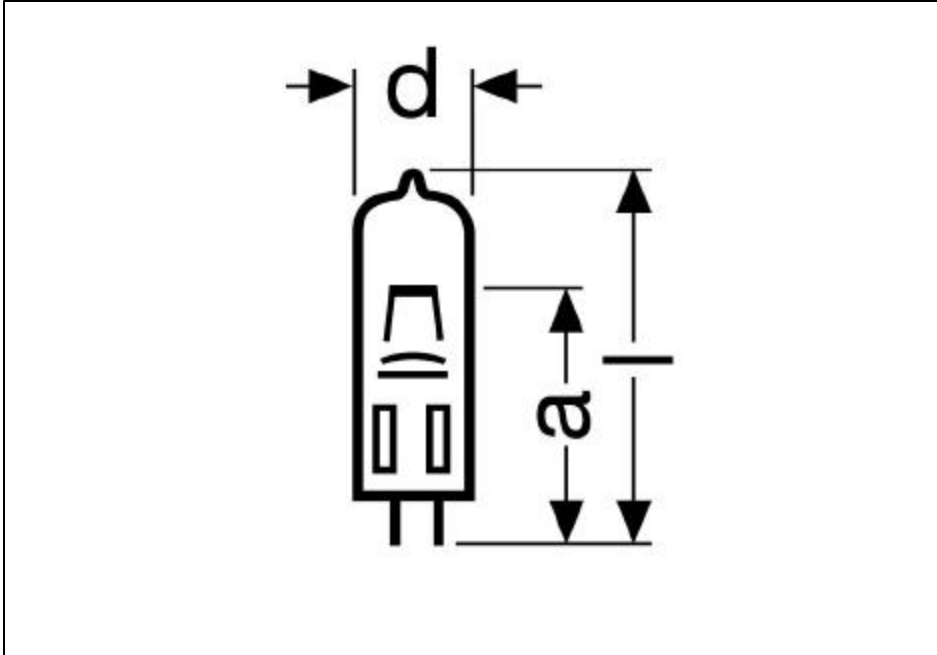


# Product Information Bulletin

## 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
64223		54050	10	6	150	24	38	9	1.5 x 0.7	G4	300	Any
64225	ESA/FHD	54025	10	6	200	19.5	31	9	1.7 x 0.65	G4	100	Any
64250 HLX	ESB	54019	20	6	480	19.5	31	9	2.3 x 0.8	G4	100	Any
New 64265 HLX		53999	30	6	765	19.5	31	9	1.5 X 1.5	G4	100	Any
64261		54023	30	12	750	30	44	11.5	2.6 x 1.3	G6.35	50	Any
64602		54138	50	12	1000	30	44	11.5	3.0 x 3.0	G6.35	1100	s90
64610 HLX	BRL	54034	50	12	1600	30	44	11.5	3.3 x 1.6	G6.35	50	s90
64611 HLX		54028	50	12	1350	30	44	11.5	3.3 x 1.6	G6.35	100	s90
64621 HLX		54032	100	12	2,750	18	48	11.5	4.7 x 2.7	PG22	2,000	s90
64623 HLX	EVA	54052	100	12	2800	30	44	11.5	4.7 x 2.7	GY6.35	2000	s90
64625 HLX	FCR	54036	100	12	3600	30	44	11.5	4.2 x 2.3	GY6.35	50	s90

**OSRAM**

## 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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