

SYLVANIA BI-PIN

Low Voltage Halogen Lamps



The SYLVANIA family of BI-PIN lamps represents an outstanding collection of compact, low voltage halogen light sources ideal for a wide range of applications.

Top of the line BI-PIN IR lamps have an infrared reflective coating on the outside of the capsule to conserve heat energy and create a more efficient source. With an axial filament for easy focusing and a 4000 hour life these lamps are suitable for either saving energy or increasing light output from existing fixtures without increasing energy costs.

High performance axial filament STARLITE lamps enable the design of efficient reflector systems that are easy to focus, resulting in better quality light on the target. These long life efficient lamps meet the needs of all residential, commercial and industrial bi-pin applications.

All SYLVANIA BI-PIN lamps utilize advanced UV-stop quartz that reduces UV-B and UV-C radiation by 90% compared to regular quartz. In addition, the IR coating on BI-PIN IR lamps further reduces this spectrum, effectively eliminating all UV-B and UV-C radiation from those capsules.

All 6V and 12V SYLVANIA BI-PIN lamps are low-pressure, low-voltage capsules. Because of this, these lamps are suitable for use without shielding.* The 24V SYLVANIA BI-PIN lamps are high-pressure capsules, and a suitable protective shield is required with these lamp types.

A complete family of BI-PIN halogen lamps to meet the various needs of designers and end users:

IR

- Axial filament
- 4000-hour average rated lamp life
- UV stop quartz capsule
- Low pressure
- Energy saving IR technology
- No UV-B or UV-C Light output
- Suitable for use without shielding*

STARLITE

- Axial filament
- 4000-hour average rated lamp life
- UV-control quartz capsule
- Low pressure
- Suitable for use without shielding*

STANDARD

- Clear and frosted
- 2000-hour average rated lamp life
- UV-control quartz capsule
- Low pressure
- 6V and 12V suitable for use without shielding*

Product Availability

Watts	STARLITE	STANDARD	IR
5	T3	T3, T3/F	
10	T3, T3 (6V)	T3, T3/F	
20	T3, T4	T3, T3/F, T3 (24V)	
35	T4		
37			BT4
50	T4	T4, T4/F, T4 (24V)	BT4
75	T4	T4	
90	T4		

*SYLVANIA does not require lamp containment shielding. Consult most recent UL standards for luminaire requirements.

Application Information

Applications	Application Notes	Fixtures
Small aperture down lighting Residential, commercial and industrial applications Accent strip lighting Task lighting Display lighting	<ul style="list-style-type: none"> • Axial filament orientation means light is smoothly distributed by reflector • Do not touch lamp with bare hands • Overall UV-emissions are reduced 95% for extra fade protection on light sensitive materials 	Ardee/USA Belfer BK Lighting CSL Lucifer Roberts Tivoli



Sample Specification

STANDARD

Lamp(s) shall be (a) 12V or 24V BI-PIN halogen lamp(s) with a UV-control quartz capsule and a 2000-hour average rated life. Lamp(s) shall be frosted or clear with an axial or transverse filament.

STARLITE

Lamp(s) shall be (a) 12V STARLITE halogen lamp(s) with a UV-control quartz capsule and a 4000-hour average rated life. Lamp(s) shall be clear with an axial filament and gold plated pins.

IR

Lamp(s) shall be (a) 12V BI-PIN halogen lamp(s) with a UV-control quartz capsule and a 4000-hour average rated life. Lamp(s) shall be clear with an axial filament, a constant and an infrared reflective coating on the lamp capsule.

24V BI-PIN Lamps must be operated in enclosed fixtures.

OSRAM SYLVANIA
National Customer
Support Center
18725 N. Union Street
Westfield, IN 46074
Industrial & Commercial
Phone: 1-800-255-5042
Fax: 1-800-255-5043
National Accounts
Phone: 1-800-562-4671
Fax: 1-800-562-4674
Special Markets
Phone: 1-800-762-7191
Fax: 1-800-762-7192

In Canada
OSRAM SYLVANIA LTD.
Headquarters
2001 Drew Road
Mississauga, ON L5S 1S4
Industrial & Commercial
Phone: 1-800-263-2852
Fax: 1-800-667-6772
Special Markets
Phone: 1-800-265-2852
Fax: 1-800-667-6772

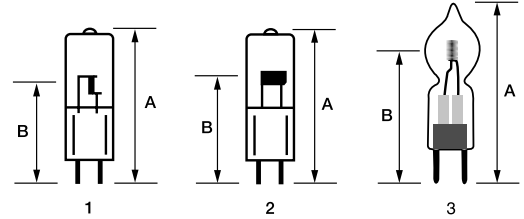
Visit our website: www.sylvania.com

Lamp Comparison

Item No.	Lamp Type	Watts	Lumens	Av. Rated life
58676	50T4Q/CL/AX	50	930	4000
	Brand X Q50T4/CL/CD	50	950	2000
	Brand Y 50W/12V/Capsule	50	950	2000
	Incandescent 60A19/CL	50	890	1000

Dimensions

	(A) MOL	(B) LCL
Standard (2) 5W-20W	31mm	22mm
Standard (2) 50W-75W	44mm	30mm
Standard (1) 50W/100W (24V)	44mm	30mm
Starlite (2) 5W	31mm	22mm
Starlite (1) 10W-20W	31mm	22mm
Starlite (1) 35W-90W	44mm	30mm
IR (3) 37W & 50W	44mm	30mm



Ordering and Specification Information

BI-PIN IR

Item Number	Ordering Abbreviation	Watts	Volts	Base	Avg. Rated Life	Lumens (lm)	Figure
58683	37BT4Q/IR	37	12	GY6.35	4000	900	3
58687	50BT4Q/IR	50	12	GY6.35	4000	1320	3

STARLITE

Item Number	Ordering Abbreviation	Watts	Volts	Base	Avg. Rated Life	Lumens (lm)	Figure
58690	5T3Q/CL	5	12	G4	4000	60	2
58691	10T3Q/CL/AX	10	12	G4	4000	130	1
58692	10T3Q/CL/AX/6V	10	6	G4	4000	130	1
58694	20T3Q/CL/AX ¹	20	12	G4	4000	320	1
58663	20T4Q/CL/AX	20	12	GY6.35	4000	320	1
58672	35T4Q/CL/AX	35	12	GY6.35	4000	600	1
58676	50T4Q/CL/AX ¹	50	12	GY6.35	4000	930	1
58680	75T4Q/CL/AX ¹	75	12	GY6.35	4000	1450	1
58684	90T4Q/CL/AX	90	12	GY6.35	4000	1800	1

STANDARD

Item Number	Ordering Abbreviation	Watts	Volts	Base	Avg. Rated Life	Lumens (lm)	Figure
58652	5T3Q/CL ¹	5	12	G4	2000	60	2
58658	10T3Q/CL ¹	10	12	G4	2000	140	2
58661	20T3Q/CL ¹	20	12	G4	2000	320	2
58675	50T4Q/CL ¹	50	12	GY6.35	2000	930	2
58662	20T3Q/CL/24V	20	24	G4	1000	350	2
58678	50T4Q/CL/AX/24V	50	24	GY6.35	2000	850	1

FROSTED

Item Number	Ordering Abbreviation	Watts	Volts	Base	Avg. Rated Life	Lumens (lm)	Figure
58651	5T3Q/F	5	12	G4	2000	55	2
58656	10T3Q/F	10	12	G4	2000	130	2
58695	20T3Q/F	20	12	G4	2000	300	2
58698	50T4Q/F	50	12	GY6.35	2000	830	2

¹ Also available in bulk pack

Ordering Guide

50	T4	Q	/	CL	/	AX	/	24V
Wattage	Tubular Lamp	Quartz Glass		Finish		AX= Axial Filament		Voltage
	T3= Diameter (3/8")			CL = Clear		__ = Transverse		__ = 12V
	T4= Diameter (4/8")			F = Frosted				24V
	BT4=Bulbous tube (4/8")			IR = IR Conserving				6V