

Product Information Bulletin
SYLVANIA BI-PIN
 Low Voltage Halogen Lamps

20T4QCLUVS



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

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*

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.

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.

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.

Product Availability

Watts	STARLITE	STANDARD
5	T3	T3, T3/F
10	T3, T3 (6V)	T3, T3/F
20	T3, T4	T3, T3/F, T3 (24V)
35	T4	
37		
50	T4	T4, T4/F, T4 (24V)
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.

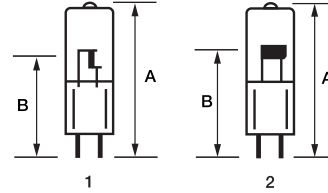
24V BI-PIN Lamps must be operated in enclosed fixtures.

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



Ordering and Specification Information

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	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	50	12	GY6.35	4000	930	1
58680	75T4Q/CL/AX	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	5	12	G4	2000	60	2
58658	10T3Q/CL	10	12	G4	2000	140	2
58661	20T3Q/CL	20	12	G4	2000	320	2
58675	50T4Q/CL	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

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Ordering Guide

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