

BI-PIN IR

Low Voltage Halogen Lamps



- 4000-hour average rated lamp life
- Significant reduction in energy consumption
- Increased lumen per watt by up to 30%
- Suitable for use without shielding*
- UV-stop capsule combined with IR coating eliminates UV-B and UV-C radiation
- Axial filament
- GY6.35 base for solid socket connection
- Available in 37W & 50W

ECOLOGIC® is a comprehensive program of OSRAM SYLVANIA focused on addressing environmental issues at all stages of lamp life.



SYLVANIA's exclusive BI-PIN IR lamp is the only low-volt infrared coated bi-pin lamp in the industry.

The high luminous efficacy of the BI-PIN IR lamp is achieved via thermal recovery. The ellipsoidal tungsten halogen capsule and its special infrared reflective coating ensure that the radiated heat which otherwise would be wasted is reflected back to the lamp filament. Because the heat stays within the lamp capsule, less energy is required to maintain the filament at its optimal operating temperature.

SYLVANIA BI-PIN IR lamps are low-pressure, low-voltage capsules, and therefore are suitable for use without shielding.*

Product Availability

Watt

37	BT4	Clear
50	BT4	Clear

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

Lamp Comparison

Item No.	Lamp Type	Watts	Lumens	Avg. Rated Life
58683	37BT4Q/IR	37	900	4000
58676	50T4Q/CL/AX	50	930	4000
	Brand X Q50T4/CL/CD	50	950	2000
	Brand Y 50W/12V/Capsule	50	950	2000

Application Information

Applications

Small aperture down lighting
Residential, commercial and Industrial applications
Accent strip lighting
Task lighting
Display lighting

Application Notes

1. Direct replacement for standard bi-pin lamps with GY 6.35 bases
 - BI-PIN IR lamps offer a reduction in energy consumption or significantly higher luminous intensity.
2. Axial filament orientation means light is smoothly distributed by reflector.
3. Do not touch lamp with bare hands
4. UV-B and UV-C emission is eliminated, overall UV-emissions are reduced 95% for extra fade protection on light sensitive materials

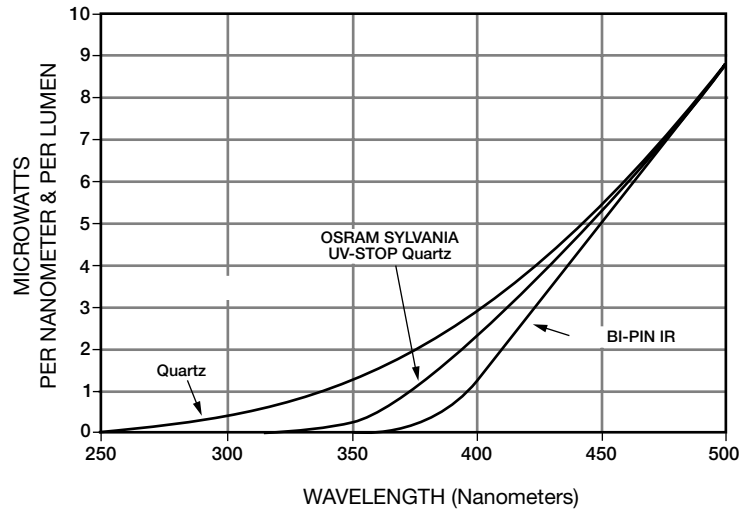


Sample Specification

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

Technical Information

UV-Transmission Curve of Quartz



Ordering and Specification Information

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

Ordering Guide

50 Wattage	BT4 Bulged Tubular Lamp 4= Diameter (4/8")	Q Quartz Glass	/	IR Infrared Reflective Coating
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Dimensions

(A) MOL	(B) LCL	Diameter
44mm 1-3/4"	30mm 1-3/16"	12mm 1/2"

