

HOW TO READ PRODUCT INFORMATION – HALOGEN

Nominal Wattage	Bulb Shape	MOL (in)	Base	Product Number	Ordering Abbreviation	Finish	Pkg Qty	Average Rated Life (hrs)	Initial Lumens	CCT	CRI	Filament	Life (years)	Cost per Year	Notes
Bulb		Describes the shape of the bulb followed by the bulb's major diameter given in eighths of an inch. See page 14: Halogen lamps.													
Base		Base Identification. See page 14: Bases.													
Symbols & Footnotes		All symbols and footnotes that apply to a specific product will appear in this space. The explanations of the symbols and footnotes are at the end of the halogen section.													
Lamp Finish		Applies only to non-reflector type lamps, usually either clear or frosted.													
Beam Type		Applies only to reflector type lamps. Describes the beam angle qualitatively as either a spot or a flood, etc.													

HOW TO READ ORDERING ABBREVIATIONS

40T4/G9/CL/BL				60PAR38/HAL/IR/NFL25/DL				60PAR30LN/HAL/S/WFL50			
40	Nominal lamp wattage			60	Nominal lamp wattage			60	Nominal lamp wattage		
T4/G9	T4 lamp with G9 base			PAR38	Bulb shape PAR38			PAR30LN	Bulb shape PAR30 Long Neck		
F, CL	Frosted finish, clear finish			HAL	Halogen lamp			HAL	Halogen lamp		
BL	Blister Card Package			IR	Infrared conserving capsule			S	Silver coated reflector		
				NFL25	Flood beam 25 degrees			WFL50	Wide Flood beam 50 degrees		
				DL, TL	Double Life, Triple Life						

ANSI BEAM ANGLE DESIGNATION

Beam angles for reflector lamps are designated to conform with ANSI C78.379 – Classification of the Beam Patterns of Reflector Lamps. For beam angles less than 13°, beam angles are rounded to the nearest whole number. For beam angles between 13° and 50°, values are rounded to the nearest 5°. For beam angles 50° and greater, the value is rounded to the nearest 10°. As an example, a family of lamps with an average beam angle of 13° is classified as 15°, and a family of lamps with an average beam angle of 54° would be classified as 50°.

LIFE RATING

The average rated life for 130V halogen lamps operated at 120V is conservatively estimated to be approximately 2 times the life when operated at 130V.

ANSI CODE REFERENCE GUIDE											
ANSI CODE	ITEM NO.	L.L. ORDERING ABBREVIATION (EXCEPT VOLTS)	VOLTS	ANSI CODE	ITEM NO.	L.L. ORDERING ABBREVIATION (EXCEPT VOLTS)	VOLTS	ANSI CODE	ITEM NO.	L.L. ORDERING ABBREVIATION (EXCEPT VOLTS)	VOLTS
BAB	58301	20MR16/T/FL35/C	12	ETC	58741	150Q/CL/DC	120	FCL	58996	500T3Q/CL	120
EHM	58998	300T3Q/CL	120	ETG	58735	150Q/CL/MC/2	120	FMW	58305	35MR16/T/FL35/C	12
EHT	58762	250Q/CL/MC	120	ETH	58736	150Q/MC	120	FNV	58310	50MR16/T/WFL60/C	12
ESL	58738	150Q/CL/MC	120	EVR	58766	500Q/CL/MC	120	FRB	58303	35MR16/T/SP10/C	12
ESM	58763	250Q/MC	120	EXN	58309	50MR16/T/FL35/C	12	FTB	55133	20MR11/T/SP10/C	12
ESN	58761	100Q/CL/MC	120	EXZ	58308	50MR16/T/NFL25/C	12	FTD	55134	20MR11/T/FL35/C	12
ESR	58755	100Q/CL/DC	120	EYV	58768	500Q/MC	130	FTE	55135	35MR11/T/SP10/C	12
ESS	58720	250Q/CL/DC	120	EYW	58756	500Q/CL/MC	130	FTH	55136	35MR11/T/FL35/C	12
ESX	58300	20MR16/T/SP10/C	12	EYX	58767	500Q/MC	120				

¹ Life in years based on 3 hours operation per day.
² Cost per Year based on 3 hours per day, \$0.11 per kWh.

SPECIALTY HALOGEN LAMPS (cont.)
Double End Quartz 120V Halogen Lamps

Nominal Wattage	Bulb Shape	MOL (in)	Base	Product Number	Ordering Abbreviation	Finish	Pkg Qty	Average Rated Life (hrs)	Initial Lumens	CCT (K)	CRI	Filament	Notes
100	T3	3.13	R7s RSC	58999	100T3Q/S/CL 120V	Clear	20	2000	1600	2950	100	CC-8	6,7,12
				58887	100T3Q/S/CL/RP 120V	Clear	6	2000	1600	2950	100	CC-8	6,7,12
150	T3	3.13	R7s RSC	58885	150T3Q/CL/RP 120V	Clear	6	2000	2250	2950	100	CC-8	6,7,12
				58886	150T3Q/S/CL/RP 120V	Clear	6	2000	2400	2950	100	CC-8	6,7,12
				59001	150T3Q/S/CL 120V	Clear	20	2000	2400	2950	100	CC-8	6,7,12
200	T3	4.69	R7s RSC	59003	200T3Q/CL 120V	Clear	20	2000	3350	2950	100	CC-8	6,7,12
250	T3	4.69	R7s RSC	58527	250T3Q/CL/RP 120V	Clear	12	2000	4000	2950	100	CC-8	6,7,12
300	T3	4.69	R7s RSC	58920	300T3Q/CL/RP(EHM) 120V	Clear	6	2000	6000	2950	100	CC-8	6,7,12
				58998	300T3Q/CL(EHM) 120V	Clear	20	2000	6000	2950	100	CC-8	6,7,12
500	T3	4.69	R7s RSC	58865	500T3Q/CL/RP(FCL) 120V	Clear	6	2000	8750	2950	100	CC-8	6,7,12
				58996	500T3Q/CL(FCL) 120V	Clear	20	2000	8750	2950	100	CC-8	6,7,12

Double End Quartz 130V Halogen Lamps

Nominal Wattage	Bulb Shape	MOL (in)	Base	Product Number	Ordering Abbreviation	Finish	Pkg Qty	Average Rated Life (hrs)	Initial Lumens	CCT (K)	CRI	Filament	Notes
300	T3	4.69	R7s RSC	59000	300T3Q/CL 130V	Clear	20	2000	6000	2950	100	CC-8	6,7,12
500	T3	4.69	R7s RSC	58997	500T3Q/CL 130V	Clear	20	2000	8750	2950	100	CC-8	6,7,12

Single End BiPin Halogen Lamps with Axial Filament (12V)

Nominal Wattage	Bulb Shape	MOL (in)	Base	Product Number	Ordering Abbreviation	Finish	Pkg Qty	Average Rated Life (hrs)	Initial Lumens	CCT (K)	CRI	Filament	Notes
10	T3	1.25	G4 Bipin	58691	10T3Q/CL/AX 12V	Clear	40	4000	130	3000	100	Axial	6,7,12
20	T3	1.25	G4 Bipin	58694	20T3Q/CL/AX 12V	Clear	40	2000	320	3000	100	Axial	6,7,12
20	T4	1.75	GY6.35 Bipin	58663	20T4Q/CL/AX 12V	Clear	40	4000	290	3000	100	Axial	6,7,12
35	T4	1.75	GY6.35 Bipin	58672	35T4Q/CL/AX 12V	Clear	40	4000	580	3000	100	Axial	6,7,12
50	T4	1.75	GY6.35 Bipin	58676	50T4Q/CL/AX 12V	Clear	40	4000	900	3000	100	Axial	6,7,12
75	T4	1.75	GY6.35 Bipin	58680	75T4Q/CL/AX 12V	Clear	40	4000	1450	3000	100	Axial	6,7,12

Single End BiPin Halogen Lamps with Transverse Filament (12V)

Nominal Wattage	Bulb Shape	MOL (in)	Base	Product Number	Ordering Abbreviation	Finish	Pkg Qty	Average Rated Life (hrs)	Initial Lumens	CCT (K)	CRI	Filament	Notes
5	T3	1.25	G4 Bipin	58652	5T3Q/CL 12V	Clear	40	4000	60	3000	100	Transverse	6,7,12
10	T3	1.25	G4 Bipin	58650	10T3Q/CL/RP 12V	Clear	6	2000	140	3000	100	Transverse	6,7,12
				58658	10T3Q/CL 12V	Clear	40	2000	140	3000	100	Transverse	6,7,12
20	T3	1.25	G4 Bipin	58655	20T3Q/CL/RP 12V	Clear	6	2000	320	3000	100	Transverse	6,7,12
				58661	20T3Q/CL 12V	Clear	40	2000	320	3000	100	Transverse	6,7,12
50	T4	1.75	GY6.35 Bipin	58660	50T4Q/CL/RP 12V	Clear	6	2000	910	3000	100	Transverse	6,7,12
				58675	50T4Q/CL 12V	Clear	40	2000	910	3000	100	Transverse	6,7,12

Single End BiPin Lamps with Axial Filament (24V)

Nominal Wattage	Bulb Shape	MOL (in)	Base	Product Number	Ordering Abbreviation	Finish	Pkg Qty	Average Rated Life (hrs)	Initial Lumens	CCT (K)	CRI	Filament	Notes
20	T3	1.25	G4 Bipin	58662	20T3Q/CL/24V	Clear	40	1000	320	3000	100	Axial	6,7,12
50	T4	1.75	GY6.35 Bipin	58678	50T4Q/CL/AX/24V	Clear	40	2000	900	3000	100	Axial	6,7,12

¹ Life in Years based on 3 hours operation per day.
² Cost per Year based on 3 hours per day, \$0.11 per kWh.

For the current listing of available products and more complete product information, please visit us at www.sylvania.com.