



Bi-Pin



HPL



Med Bi-Pin



Med 2-Pin




HALOGEN

SINGLE END

ANSI Code	Product Number	Ordering Abbreviation	Color Temp (K)	Watts (W)	Volts (V)	Base	Lumens (lm)	Avg Rated Life (hrs)	Bulb	Pkg Qty	Symbols & Footnotes
	54704	HPL 750/240/X (UCF)	3050	750	240	Sp Med Bipin	15600	1500	T6	12	23
	58729	60T4QCL	3100	60	24	BA15d	1280	500	T12	12	
	58939	220T4Q/2PPF	3250	220	22	GY9.35	6200	200	T4	12	
	58941	235T4Q/2PPF	3250	235	33	GZ9.5	5800	200	T4	12	
	54256	62138 HLX		100	12	G6.35	2800	50	T3.5	40	47
	54245	64223	2900	10	6	G4	150	300	T3	40	
	54021	64251 HLX	3200	20	6	PG22	500	100	T3	30	
	54262	64258 HLX		20	12	G4	350	2000	T3	40	45
	54022	64260	3300	30	12	PG22	800	50	T3	30	
	54247	64261	3300	30	12	G6.35	750	50	T3.5	40	
	54606	64265 HLX	3200	30	6	G4	765	100	T3	40	
	54258	64275	3150	35	6	G4	780	50	T3	40	
	54318	64291 XIR 40W	3100	40	23	G6.35	1200	600	T4	40	
	54322	64292 XIR 150W	3250	150	23	G6.35	6000	600	T4	40	
	54001	64501	3400	150	115	GX6.35	4500	25	T4	25	
	54354	64514	3400	300	120	GX6.35	8100	75	T6	12	45
	58524	64515	3300	300	230	GX6.35	9600	15	T6	12	45
	54356	64516	3100	300	230	GX6.35	7400	75	T6	12	45,86
	58525	64575	3400	1000	230	GX6.35	33000	15	T8	12	
	54607	64602	3050	50	12	G6.35	1000	1100	T3.5	40	45
	54608	64611 HLX	3250	50	12	G6.35	1350	100	T3.5	40	45
	54032	64621 HLX	3300	100	12	PG22	2750	2000	T3.5	30	45
	54252	64638 HLX	3350	100	24	G6.35	2900	300	T4	40	
	54320	64647		113	24	G6.35	3600	300	T4	40	
	54257	64650	3100	50	23	G6.35	1000	1300	T4	40	
	54304	64654 HLX 24V		250	24	GY9.5	9000	300	T4	12	45
	54273	64664 HLX	3500	400	36	G6.35	14500	150	T6	12	45
	54274	64665 HLX	3400	400	36	G6.35	400	300	T6	12	45
	54323	64668 XIR 80W	3200	80	22.8	G6.35	3000	400		40	
	54951	64672 500W 230V	2900	500	230	GY9.5	8500	2000	T7	12	
	54964	64672 500W 240V	2900	500	240	GY9.5	8500	2000	T7	12	
	54497	64678 800W 230V	3200	800	230	G9.5	20000	250	T6	12	⚙
	54965	64680 500W 230V	3200	500	230	GY9.5	14500	50	T7	12	
	54969	64680 500W 240V	3200	500	240	GY9.5	14500	50	T7	12	
	54701	64805 CP/85 (CP/29)	3200	5000	230	G38	135000	400	T19	1	45
	54793	JCP 650W/100V	3250	650	100	GY9.5	18750	100	T6	12	
	54181	Med Hal OS03000-U		2.5	3.5	Special Mini		15		6	
	54182	Med Hal OS03100-U		2.7	3.5	Special Mini		15		6	

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

SYMBOLS & FOOTNOTES FOR DISPLAY/OPTIC LAMPS

Symbol	Description
	New item introduced within the past year.
	See your OSRAM SYLVANIA Lighting Representative for product availability. Product to be discontinued when inventory depleted.
	This ECOLOGIC® lamp was designed to pass the Federal TCLP criteria for classification as non-hazardous waste in most states. Disposal regulations may vary; check local and state regulations.

Footnote	Description
1	Average life rating at 12 hours operation per start is 28,800 hours.
2	Average rated life is measured at 3 hours per start on 2-lamp, rapid start magnetic ballasts per IES recommended practice. Lamp life on single-lamp rapid start ballasts may be reduced.
3	Approximate initial lumens after 100 hours operation.
4	The life ratings of fluorescent lamps are based on 3 hr. burning cycles under specified conditions and with ballast meeting ANSI specifications. If burning cycle is increased, there will be a corresponding increase in the average hours life.
5	Germicidal lamps can be operated on corresponding wattage preheat ballasts.
6	Starter required.
7	These lamps are not intended and should not be used for diagnostic, therapeutic or cosmetic purposes.
8	40W Rapid Start Lamps may be used in starter operated fixtures designed for 40W preheat lamps. Life rating for preheat service is approximately 15,000 hours average.
9	WARNING: To prevent possible serious injury, eyes and skin should not be exposed to direct or reflected ultraviolet power emitted by this lamp. This lamp is in Risk Group 3 per ANSI/IESNA RP-27.3-96. Adequate protection should be provided by clothing, gloves, opaque materials and ordinary window glass. Although this lamp will operate in standard fluorescent fixtures, it should not be used for general lighting applications.
10	CAUTION: This lamp emits ultraviolet (UV) power during operation and is in Risk Group 1 per ANSI/IESNA RP-27.3-96. Exposure at less than 0.25 meters (10 inches) should be limited; for example exposure at 0.14m (6 inches) should not exceed 4 hours in an 8 hour interval (see ANSI/IESNA RP-27.1-96). Certain medications and chemicals can increase an individual's sensitivity. Consult your physician for specific information. Protective eyewear should be worn in occupational situations involving long term exposure in close proximity to the lamp. This lamp is not intended and should not be used for diagnostic, therapeutic or cosmetic purposes.
11	CAUTION: This lamp emits ultraviolet (UV) power during operation and is in Risk Group 1 per ANSI/IESNA RP-27.3-96. Exposure at less than 0.3 meters (12 inches) should be limited; for example exposure at 0.14m (6 inches) should not exceed 4 hours in an 8 hour interval (see ANSI/IESNA RP-27.1-96). Certain medications and chemicals can increase an individual's sensitivity. Consult your physician for specific information. Protective eyewear should be worn in occupational situations involving long term exposure in close proximity to the lamp. This lamp is not intended and should not be used for diagnostic, therapeutic or cosmetic purposes.
12	CAUTION: This lamp emits ultraviolet (UV) power during operation and is in Risk Group 2 per ANSI/IESNA RP-27.3-96. Exposure at less than 0.55 meters (22 inches) should be limited; for example exposure at 0.4m (16 inches) should not exceed 4 hours in an 8 hour interval (see ANSI/IESNA RP-27.1-96). Certain medications and chemicals can increase an individual's sensitivity. Consult your physician for specific information. Protective eyewear should be worn in occupational situations involving long term exposure in close proximity to the lamp. This lamp is not intended and should not be used for diagnostic, therapeutic or cosmetic purposes.
13	CAUTION: This lamp emits ultraviolet (UV) power during operation and is in Risk Group 2 per ANSI/IESNA RP-27.3-96. Exposure at less than 0.65 meters (26 inches) should be limited; for example exposure at 0.45m (18 inches) should not exceed 4 hours in an 8 hour interval (see ANSI/IESNA RP-27.1-96). Certain medications and chemicals can increase an individual's sensitivity. Consult your physician for specific information. Protective eyewear should be worn in occupational situations involving long term exposure in close proximity to the lamp. This lamp is not intended and should not be used for diagnostic, therapeutic or cosmetic purposes.
14	CAUTION: This lamp emits ultraviolet (UV) power during operation and is in Risk Group 2 per ANSI/IESNA RP-27.3-96. Exposure at less than 0.7 meters (28 inches) should be limited; for example exposure at 0.54m (20 inches) should not exceed 4 hours in an 8 hour interval (see ANSI/IESNA RP-27.1-96). Certain medications and chemicals can increase an individual's sensitivity. Consult your physician for specific information. Protective eyewear should be worn in occupational situations involving long term exposure in close proximity to the lamp. This lamp is not intended and should not be used for diagnostic, therapeutic or cosmetic purposes.
15	CAUTION: This lamp emits ultraviolet (UV) power during operation and is in Risk Group 2 per ANSI/IESNA RP-27.3-96. Exposure at less than 0.75 meters (30 inches) should be limited; for example exposure at 0.55m (22 inches) should not exceed 4 hours in an 8 hour interval (see ANSI/IESNA RP-27.1-96). Certain medications and chemicals can increase an individual's sensitivity. Consult your physician for specific information. Protective eyewear should be worn in occupational situations involving long term exposure in close proximity to the lamp. This lamp is not intended and should not be used for diagnostic, therapeutic or cosmetic purposes.

Footnote	Description
16	CAUTION: This lamp emits ultraviolet (UV) power during operation and is in Risk Group 2 per ANSI/IESNA RP-27.3-96. Exposure at less than 1.0 meters (39 inches) should be limited; for example exposure at 0.64m (24 inches) should not exceed 4 hours in an 8 hour interval (see ANSI/IESNA RP-27.1-96). Certain medications and chemicals can increase an individual's sensitivity. Consult your physician for specific information. Protective eyewear should be worn in occupational situations involving long term exposure in close proximity to the lamp. This lamp is not intended and should not be used for diagnostic, therapeutic or cosmetic purposes.
17	CAUTION: This lamp emits ultraviolet (UV) power during operation and is in Risk Group 2 per ANSI/IESNA RP-27.3-96. Exposure at less than 0.6 meters (24 inches) should be limited; for example exposure at 0.45m (18 inches) should not exceed 4 hours in an 8 hour interval (see ANSI/IESNA RP-27.1-96). Certain medications and chemicals can increase an individual's sensitivity. Consult your physician for specific information. Protective eyewear should be worn in occupational situations involving long term exposure in close proximity to the lamp. This lamp is not intended and should not be used for diagnostic, therapeutic or cosmetic purposes.
18	CAUTION: This lamp emits ultraviolet (UV) power during operation and is in Risk Group 2 per ANSI/IESNA RP-27.3-96. Exposure at less than 0.8 meters (31 inches) should be limited; for example exposure at 0.55m (22 inches) should not exceed 4 hours in an 8 hour interval (see ANSI/IESNA RP-27.1-96). Certain medications and chemicals can increase an individual's sensitivity. Consult your physician for specific information. Protective eyewear should be worn in occupational situations involving long term exposure in close proximity to the lamp. This lamp is not intended and should not be used for diagnostic, therapeutic or cosmetic purposes.
19	CAUTION: This lamp emits ultraviolet (UV) power during operation and is in Risk Group 2 per ANSI/IESNA RP-27.3-96. Exposure at less than 2.0 meters (79 inches) should be limited; for example exposure at 1.4m (55 inches) should not exceed 4 hours in an 8 hour interval (see ANSI/IESNA RP-27.1-96). Certain medications and chemicals can increase an individual's sensitivity. Consult your physician for specific information. Protective eyewear should be worn in occupational situations involving long term exposure in close proximity to the lamp. This lamp is not intended and should not be used for diagnostic, therapeutic or cosmetic purposes.
20	CAUTION: This lamp emits ultraviolet (UV) power during operation and is in Risk Group 1 per ANSI/IESNA RP-27.3-96. Exposure at less than 0.3 meters (12 inches) should be limited; for example exposure at 0.15m (6 inches) should not exceed 4 hours in an 8 hour interval (see ANSI/IESNA RP-27.1-96). Certain medications and chemicals can increase an individual's sensitivity. Consult your physician for specific information. Protective eyewear should be worn in occupational situations involving long term exposure in close proximity to the lamp. This lamp is not intended and should not be used for diagnostic, therapeutic or cosmetic purposes.
21	Lamp service life 75hr life is defined at 76V with a duty cycle of 45 min. ON / 15 min. OFF.
22	WARNING: Lamp has a special GY22 base. Ignition voltage must be applied only to the thin pin.
23	High-performance HPL halogen lamps are manufactured under license from ETC, Inc.
24	Do not tilt perpendicular to the filament.
25	WARNING: The contact pins on the base are connected internally. The electrode farthest from the base must be connected via cable.
26	MFL = Medium Flood
27	NSP = Narrow Spot
28	WFL = Wide Flood
29	VNSP = Very Narrow Spot
30	Hg 100 also suitable for DC operation (no ignitor needed when connected to 230V).
31	Lamp also available with connecting cable and plug-in contact. XBO R 180W/45 C OFR (Product Number 69183).
32	Lamp also available in ozone-free version XBO 75 W/2 OFR (Product Number 69232).
33	Lamp also available in ozone-free version XBO 150 W/1 OFR (Product Number 69235).
34	Lamp uses Suprasil quartz glass.
35	Lamp also available in ozone-free version XBO 450 W OFR (Product Number 69245).
36	Lamp also available in Suprasil quartz glass version XBO 450 W/4 (Product Number 69244).
37	S = Short
38	C = Base with Cable
39	H = Suitable for horizontal operation
40	CA = Cable on anode base
41	SHSC = Extra short version for horizontal burning position, anode connection via cable (super short)
42	TP = Threaded Pin

SYMBOLS & FOOTNOTES FOR DISPLAY/OPTIC LAMPS

Footnote	Description
43	GS = Gap Shortened
44	DXS = Double-End eXtreme Seal technology
45	s (Operating Position) = Vertical, base down
46	h (Operating Position) = Vertical, base up
47	p (Operating Position) = Horizontal
48	Lamp also available with 850 hr HBO 1500 W/PI (Product Number 69319).
49	Lamp also available as version HBO 2001 W/CI with 850hr life (Product number 69219).
50	Lamp is also available with connecting cable and plug-in contact. HTI 250W/32 C (Product Number 54089).
51	Lamp also available as version HBO 1003 W/PI with 850hr life (Product Number 69195).
52	Lamp also available as version HBO 2500 W/PI with 850hr life (Product Number 69178).
53	Average service life of lamp if operated with 400W is 100 hrs.
54	Magnetic arc stabilization required.
55	Lamp same as HBO 200 W/4 (Product Number 69224) but with increased radiation in the wavelength range below 450nm for UV-curing.
56	For DC operation both Product Numbers 69198 & 69222 can be used (47...65Volts / 3.1...4.2Amps). For AC operation Product Number 69198 (L1 version 57 65 Volt / 3.6 Amps) or Product Number 69222 (L2 version 49 57 Volt / 4.2 Amps) can be used.
57	Magnetic arc stabilization: necessary for horizontal operation.
58	The XERADEX 20 lamp must be operated with DBD 20/110-240/ECG-XERADEX power supply (Product Number 69128 or D4569129).
59	Lumens refers to screen lumens.
60	XERADEX lamps are only to be operated in appropriate equipment. Read and understand the Product Safety Warnings before using this product. XERADEX lamps generate a strong 172 nm (VUV) radiation. This short-wave radiation will convert atmospheric oxygen (O ₂) surrounding the lamp into ozone (O ₃). Ozone gas is toxic when inhaled in high concentrations over long periods of time. Ozone levels can be measured and monitored with commercial measuring equipment. Always keep ozone levels below the applicable TLV (threshold limit value).
61	For Na 10 FL (product number 69284) use adapter no. 454/s using Pico 9 bases with P28 sockets.
62	Clean room ready packaging.
63	This lamp type is twice the life of the ANSI standard version.
64	XERADEX lamp life is rated in terms of 70% of initial UVC output on a continuous burn cycle.
65	Lamp also available with connecting cable and plug-in contact. XBO R 100W/45 C OFR (Product Number 69191).
66	Base is KF40 flange fitting; lamp is designed for use in high vacuum environments at pressures above 30 mbar and below 10 ⁻³ mbar.
67	Optimized lamp eXtreme Seal (XS) technology to withstand interior base temperatures of up to 450 degrees celsius.
68	Lamp is part of the SharXS HTI lamp series. All SharXS HTI lamps are identical in terms of their shape, size and bases.
69	125 mm (front ring to plug) and 95 mm (rear cap to plug) silicon cables terminated with MATE-N-LOK plug no. 350809-1 with pins no. 926868-3 by AMP Inc.
70	It takes time for the mercury in the lamp to evaporate. Typically 95% of luminous output are generated after approximately 120 seconds. For quality inspection purposes allow for five minutes burning time.
71	Excessive airflow may lead to mercury condensation in the discharge lamp bulb and consequently to a performance drop.
72	QXL is a trademark of Electronics Theatre Controls Inc., and used under license.
73	Lamp uses eXtreme Seal (XS) Technology, which effectively protects the seal up to 500°C.
74	Includes screw hole in anode & cathode lamp base. Includes 1 anode cable & 1 cathode cable in box, not installed.
75	HTI 1200W/D7/60 SharXS lamp (Product No. 54268-10 case & 54202-30 case) is a direct and equal replacement for the HMI 1200W/S lamp (Product No.54088).
76	Easy disassembly into components allow for environmentally preferred waste disposal.
77	Aluminum reflector reduces weight by up to 50% compared to standard glass PAR lamps.

Footnote	Description
78	Lamp bases need to be forced cooled.
79	Connector = female, flat
80	Lamp is part of the Baby SharXS HTI lamp series. All Baby SharXS HTI lamps are identical in terms of their shape, size and bases.
81	Connector = female, round
82	Connector = Male, flat
83	LA = Lumen Advanced (High Efficiency Lamp)
84	D = Digital
85	XL = Xtreme Life
86	Photometric values are measured at rated current.
87	CL = Classic Line
88	HP = High Performance
89	S = Sony (Sony projector)
90	Average Rated Life in horizontal position is 1000 hrs while Average Rated Life for moving applications is 650 hrs.
91	Snap-on connector, female / male contact.

LAMP BASES



BA15d
IEC 7004-11
DIN 49721
DL
Bayonet



BA15s
IEC 7004-11A
DIN 49720
SC
Bayonet



BA20d
IEC 7004-12
DIN 49730



E10
IEC 7004-22
DIN 49610
miniature
Edison



E14
IEC 7004-23
DIN 49615
small
Edison



E27/E26
IEC 7004-21
DIN 49620
E26-NA
E27-EURO



E40/E39
IEC 7004-21
DIN 49625
E39-NA
E40-EURO



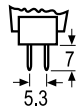
FaX1.5-3x1



G4
IEC 7004-72
DIN 49757
2-pin



GX5.3
IEC 7004-61
DIN 49640
2-pin



G5.3-4.8
2-pin



GY5.3
2-pin



G6.35-15
G6.35-20
G6.35-25
IEC 7004-59
2-pin



GX6.35-25
IEC 7004-59
2-pin



GY6.35-15
IEC 7004-59
2-pin



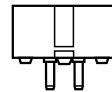
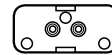
GZ6.35
IEC 7004-59 A
DIN 49754
2-pin



GZX9.5
GZZ9.5
IEC 7004-70 B
DIN 49756
2-pin
pre-focus



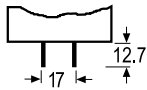
G9.5
IEC 7004-70
medium
2-pin



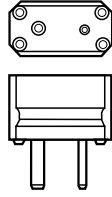
GX9.5
DIN 49638
IEC 7004-70 A
2-pin
pre-focus



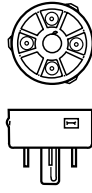
GY9.5
GZ9.5
DIN 49756
IEC 7004-70 B
2-pin
pre-focus



GX16d
2-pin



GY16
DIN 49758
IEC 7004-45
2-pin



GY17q
DIN 49758
IEC 7004-74
4-pin



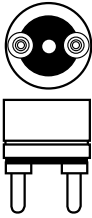
GY17t
DIN 49665
IEC 7004-45
4-pin



G22
IEC 7004-75
medium
Bipost



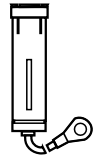
GY22
2-pin



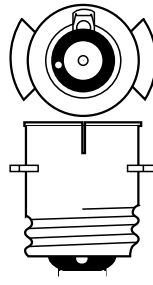
G38
IEC 7004-76
MOGUL
Bipost



GX38q



K24s
Length of cable
250 mm
Hole of cable lug
ø 8.4 mm
DIN 49748



P40s
DIN 49728
IEC 7004-43
medium
pre-focus



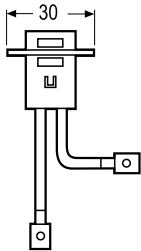
Pico9
DIN 41539



PG22-6.35
DIN 49751
IEC 7004-48



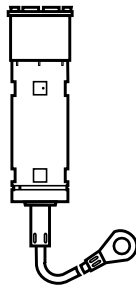
P28s
DIN 49728
IEC 7004-42
MOGUL
pre-focus



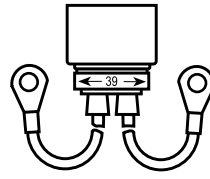
PK30d



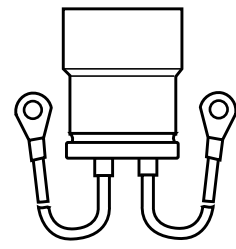
R7s
RX7s
DIN 49750
IEC 7004-92



K30 s
Length of cable
275 mm
Hole of cable lug
dia 8.4 mm
DIN 49748



K39 d
with flexible Siaf cable
Length of cable 300 mm.
Hole of cable lug dia. 8.4 mm



K59 d
with flexible Siaf cable
Length of cable 350 mm.
Hole of cable lug dia. 8.4 mm
DIN 49732