Specialty lighting

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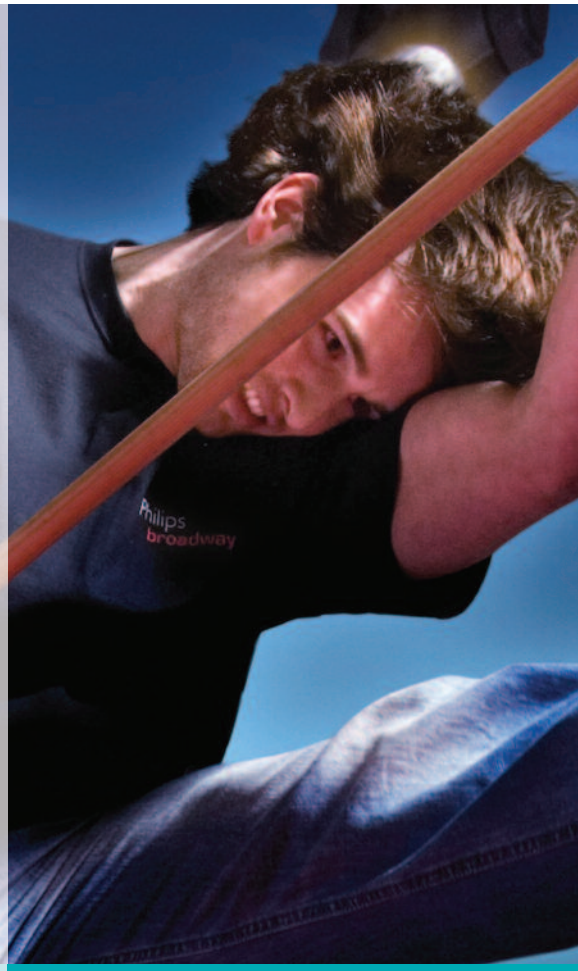

Reliable, high quality lamps provide ultimate performance

Philips HPL+ Lamps with P3 technology enable flexible burning positions to ensure accurate aiming and supply of light wherever it is needed. HPL+ lamps are now designed to last longer, making them ideal for theater, studio and event lighting.

Philips Fastfit Lamps feature a rear loading base system which enables easy lamp replacement.

Philips FastFit is a new lamp concept for Single Ended MSR Gold and Halogen Hi-Brite lamp types. The rear load base system enables easy lamp replacement and adjustments in seconds in difficult stage conditions. The overall lamp length is reduced making more compact and lighter fixture designs possible.

Philips Germicidal T5 Sterilamp featuring ALTO Lamp Technology uses UV technology, which allows for the emission of UVC† energy to disinfect water. The Philips Germicidal T5 Sterilamp is a cost effective and environmentally responsible disinfection alternative to chemical treatment of waste water.

† UVC is a band of ultraviolet radiation with wavelengths shorter than 280 nanometers.

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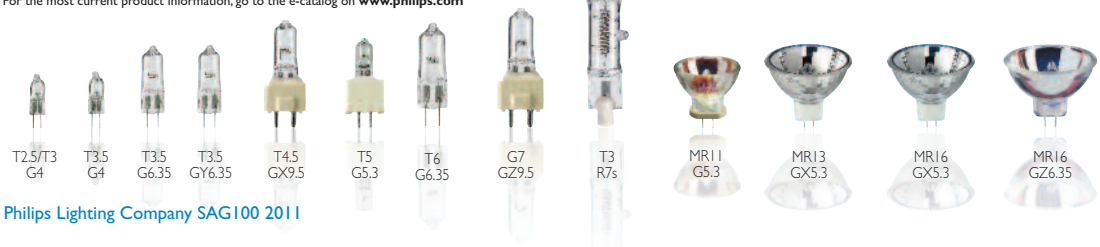
SPECIALTY LAMPS

ANSI Code	Product Number	Pkg. Qty.	Volts	Avg. Watts (Amps)	Bulb	Base	Rated Avg. Life (Hrs.)*	Coil Type	LCL (In.)	LCL (mm.)	MOL (In.)	MOL (mm.)	Rated Approx. Lumens	Color Temp (K)	Operating Position
PHOTO PROJECTION LAMPS															
BRL	31627-3	24	12	50	T3.5	G6.35	50	C-6	1 9/50	30	1 73/100	44	1500	3400	BDTH
DDL	31509-3	24	20	150	MR16	GX5.3	500	CC-6	—	—	1 3/4	44.5	—	3150	BDTH
DZA	28117-0	100	10.8	30	T5	G5.3	1000	—	—	—	1 17/20	47	570	3100	BDTH
EFN	31502-8	50	12	75	MR16	GZ6.35	50	C-6	—	—	1 13/20	42	—	3350	BDTH
EFP	31488-0	50	12	100	MR16	GZ6.35	50	C-6	—	—	1 13/20	42	—	3350	BDTH
EFP/8H	13657-2	50	12	100	MR16	GZ6.35	800	C-6	—	—	1 13/20	42	—	3100	BDTH
EFR	31490-6	50	15	150	MR16	GZ6.35	50	C-6	—	—	1 13/20	42	—	3350	BDTH
EHJ	31758-6	100	24	250	T4	G6.35	50	C-6F	1 3/10	33	2 17/100	55	9400	3400	BD
EHJ-5H	14169-7	100	24	250	T4	G6.35	500	C-6F	1 3/10	33	2 17/100	55	9400	3200	BD
EHJ-X	23175-3	200	24	250	T4	G6.35	50	C-6F	1 3/10	33	2 17/100	55	10,000	3400	BD
EJA	44142-8	24	21	150	MR16	GX5.3	40	CC-6	—	—	1 17/20	44.5	—	3350	BDTH
EJL	31508-5	24	24	200	MR16	GX5.3	50	CC-6	—	—	1 17/20	44.5	—	3400	BDTH
EJM	23942-6	24	21	150	MR16	GX5.3	40	CC-6	—	—	1 3/4	44.5	—	3400	BDTH
EKE	31592-9	24	21	150	MR16	GX5.3	200	CC-6	—	—	1 3/4	44.5	—	3400	BDTH
ELC	23103-5	24	24	250	MR16	GX5.3	50	CC-6	—	—	1 3/4	44.5	—	3200	BDTH
ELC-5	38166-5	24	24	250	MR16	GX5.3	500	CC-6	—	—	1 3/4	44.5	—	3200	BDTH
ELD	31618-2	24	21	150	MR16	GX5.3	40	CC-6	—	—	1 17/20	44.5	—	3350	BDTH
ELH	31619-0	24	120	300	MR16	GY5.3	35	CC-8	—	—	1 17/20	44.5	—	3350	BDTH
ENH	31621-6	24	120	250	MR16	GV5.3	175	CC-8	—	—	1 3/4	44.5	—	3250	BDTH
ENX	31927-7	24	82	360	MR16	GY5.3	75	CC-8	—	—	1 3/4	44.5	—	3300	BDTH
ESA/EHD	26126-3	100	6	10	T2.5	G4	100	C-6	7/8	19.6	1 9/50	30	200	3200	ANY
ESB	25678-4	100	6	20	T3	G4	100	C-6	7/8	19.5	1 3/8	31	420	3200	ANY
EVA	25676-8	100	12	100	T3.5	GY6.35	1000	C-6F	1 9/50	30	1 73/100	44	2500	3200	ANY
EVC	31884-0	24	24	250	T5	G6.35	300	C-6F	1 3/10	33	2 9/25	57	8400	3200	ANY
EVC 10H	20982-5	100	24	250	T5	G6.35	1000	C-6F	1 3/10	33	2 9/25	57	8400	3200	ANY
EVD-X	23177-9	24	36	400	T6	G6.35	50	C-6F	1 21/50	36.1	2 9/25	59.9	16,625	3400	BDTH
EXR	25286-6	24	82	300	MR13	GX5.3	35	CC-8	—	—	1 3/4	44.45	—	3350	BDTH
EYB	23257-9	24	82	360	T5	G5.3	75	CC-8	1 1/4	31	2 1/4	57	10,000	3250	BDTH
FCM	33269-2	12	120	1000	T3	R7s	300	C-8	—	—	4 18/25	119.9	27,000	3200	HORIZ.
FCR	26101-6	100	12	100	T3.5	GY6.35	50	C-6F	1 9/50	30	1 73/100	44	3400	3400	BDTH
FCS	20607-8	200	24	150	T4	G6.35	50	C-6F	1 9/50	30	2	50.8	5200	3400	BDTH
FCS-X	23174-6	100	24	150	T4	G6.35	50	C-6F	1 9/50	30	2	50.8	6000	3400	BDTH
FHS	25305-4	24	82	300	MR13	GX5.3	70	CC-8	—	—	1 3/4	44.45	—	3300	BDTH
FJX	31499-7	50	13.8	30	MR16	GX5.3	500	C-8	—	—	1 7/8	44.9	—	3150	ANY
FLW	20492-5	24	24	300	T6	GY6.3	50	C-6F	1 3/10	33	2 17/10	55	10,450	3400	BD±15°
GDA	38684-7	100	120	500	T3.5	R7s	75	CC-8	—	—	5 1/4	133.3	11,000	3200	ANY
JCR 15v 150W	24923-5	24	15	150	MR16	GZ6.35	500	C-8	—	—	1 13/20	42	—	—	BDTH
5761	25713-9	100	6	30	T3.5	G4	100	C-6F	7/8	19.6	1 3/8	31	765	3200	ANY
6605	25684-2	100	6	10	T3	G4	2000	C-6	7/8	19.5	1 3/8	30	150	2700	ANY
6982P	13421-3	10	230	800	T6	G 9.5	300	Bi-Plane	2 3/8	60.5	4 3/100	104	20,000	3200	ANY
7010	14664-7	20	120	300	T6	GX6.35	150	C-6	1 17/25	32.5			7500	3200	ANY
13117	37614-5	50	17	150	MR16	GX5.3	1000	CC-6	—	—	1 17/20	47	—	3200	ANY
13139	33545-5	50	12	75	MR16	GZ6.35	25	C-8	—	—	1 13/20	42	—	3400	BD±105°
13165	44295-4	50	14	35	MR11	GZ4	50	—	—	—	1 1/2	38	—	—	BD±130°
13298	16094-5	50	10	52	MR11	GZ4	20	CC-8	—	—	1 7/8	44.9	—	—	HORIZ.±40°
13477R	31349-4	150	220	800	T3.5	R7s	150	—	—	—	4 18/25	120	21,600	3200	HORIZ.
13528	31504-4	360	6	15	MR11	GZ4	500	C-6	—	—	1 1/2	38	—	—	BD±105°
13865	26423-4	50	12	75	MR11	G5.3	50	—	—	—	1 57/100	40	—	—	BD±105°
14553	26391-3	230	10	52	MR11	GZ4	20	—	—	—	1 57/100	40	—	—	BD±105°
14623	15881-6	100	17	95	T4	GY6.35	2000	C-8	—	—	1 97/100	50	2150	3000	ANY

* Rated average Life is the length of operation (in hours) at which point 50% of a large sample of lamps will still be operational and 50% will not

For the most current product information, go to the e-catalog on **www.philips.com**



SPECIALTY LAMPS

ANSI Code	Product Number	Watts	Description	Volts	Base	MOL (In.)	LCL (In.)	Mean Lumens	Rated Avg. Life (Hrs.)*	Filament	Color Temp (K)	Envelope Finish
STAGE/STUDIO/TV LAMPS												
BTL	31891-5	500		120	Med. Pf.	4½	2⁹⁄₃₂	11,000	500	C-13D	3050	Clear
BTN	20481-8	750		120	Med. Pf.	4½	2⅜	17,600	500	C-13D	3050	Clear
BTP	30514-4	750	750T7Q/4CL/2P	120	Med. Pf.	4½	2⅜	21,000	200	C-13D	3200	Clear
BTR	30533-4	1000	1000T7Q/4CL/2P	120	Med Pf.	4½	2⅜	28,500	250	C-13D	3200	Clear
CYV	31892-3	1000		120	Mog. Bipost	7¾	5	28,500	200	C-13D	3200	Clear
CYX	31893-1	2000		120	Mog. Bipost	8½	5	59,000	300	C-13D	3200	Clear
DWT	38295-2	1000	1000T6Q/CL	120	R7s	5⅝		23,400	2000	CC-8	3000	Clear
EGE	39069-0	500		120	Med. Pf.	5½	3½	10,450	2000	CC-8	3000	Clear
EGR	22563-1	750		120	Med. Bipost	5½	2½	21,000	150	C-13D	3200	Clear
EGT	31896-4	1000		120	Med. Bipost	5½	2½	28,500	250	C-13D	3200	Clear
EHG	26972-0	750	750Q/CL	120	Med. 2-Pin	4¼	2⅜	15,000	2000	CC-8	3000	Clear
EHT	14668-8	250	250Q/CL	120	Mini-Can	3⁹⁄₃₂	1⅝	5000	2000	CC-8	3000	Clear
ESN	20350-5	100	100Q/CL	120	Mini-Can	2¾	1⅜	1900	1000	CC-2V	3000	Clear
ESS	14666-2	250	250Q/CL/DC	120	D.C. Bay	3	1⅝	5000	2000	CC-8	3000	Clear
ETC	26676-7	150	150QCL/DC	120	D.C. Bay	2⅝	1½	2800	200	CC-8	2900	Clear
ETG	20354-7	150	150Q/CL	120	Mini-Can	3	1½	2800	2000	CC-8	2900	Clear
ETH	29856-2	150	150Q	120	Mini-Can	3	1½	2700	2000	C-8	2900	Frosted
EVR	38079-0	500	500Q/CL	120	Mini-Can	3¾	2	10,000	2000	CC-8	3000	Clear
FCL	20010-5	500	500T3Q/CL	120	R7s	4¹¹⁄₁₆		10,500	2600	C-8	3000	Clear
FEL	26979-5	1000	1000Q/CL	120	Med. 2-Pin	4	2⅜	27,500	300	CC-8	3200	Clear
FEV	13925-3	200	200Q/CL/DC	120	D.C. Bay	2½	1⅜	5500	50	CC-2V	3200	Clear
FEY	13926-1	2000	2000T8Q/CL	120	RX7s	5⅝		57,000	400	CC-8	3200	Clear
FFT	39070-8	1000	1000T4Q	120	R7s	6⅝	2¹⁹⁄₂₅	27,000	300	C-8	3200	Clear
FHM	26130-5	1000	1000T3Q	120	R7s	4¹¹⁄₁₆		27,300	400	C-8	3200	Frosted
FLK	24861-7	575		115	G9.5	4	2⅜	16,500	300	CC-8	3200	Clear
FRK	14952-6	650	6638P	120	GY9.5	1⅞		17,500	200	C-13D	3200	Clear
GAC	23667-9	1000	6995I/BP	120	2-Pin Pf.	3¾	1⅘	27,000	250	C-13D	3200	Clear
GKV	36372-1	600	6986P	230	G9.5	4⅓	2⅜	15,000	400	C-13D	3200	Clear
GLA	29432-2	575	6992P	115	G9.5	4	2⅜	13,000	1500	C-13D	3100	Clear
GLB	36373-9	575	6991P	230	G9.5	4	2⅜	13,000	1500	C-13D	3100	Clear
GLC	28739-1	575	6989P	115	G9.5	4	2⅜	15,500	400	C-13D	3200	Clear
GLD	13420-5	750	6981P	115	G9.5	4	2⅜	18,600	300	C-13D	3200	Clear
250Q/CL 130v	14667-0	250	250Q/CL	130	Mini-Can	3⁹⁄₃₂	1⅝	5000	2000	CC-8	3000	Clear
6980Z	38296-0	1200	6980Z	80	G22	5½	2½	37,500	300	C-13D	3300	Clear
6982P	13421-3	800	6982P	230	G9.5	4	2⅜	20,000	250	C-13D	3200	Clear
7002Y 115v	382978	1000	7002Y 115v	115	G22	6	2½	29,000	250	Bi-Plane	3200	Clear
7010	14664-7	300	7010	120	GX6.35	2¹¹⁄₃₂	1⁹⁄₃₂	7500	150	M	3200	Clear
7015 TXO	15179-5	750	7015 TXO	100	GX9.5	3¾	1⅘	18,600	300	C-13	3200	Clear

* Rated average Life is the length of operation (in hours) at which point 50% of a large sample of lamps will still be operational and 50% will not

Unless otherwise noted all dimensions are in inches. To convert inches to millimeters multiply by 25.4001.

For the most current product information, go to the e-catalog on **www.philips.com**

SPECIALTY LAMPS

HIGH VOLT SSTV HALOGEN LAMPS

Single-Ended

ANSI Code	Product Number	Watts	Description	Volts	Base	MOL (In.)	LCL (In.)	Mean Lumens	Rated Avg. Life (Hrs.)*	Filament (2)	Color Temp (K)	Burning Position	Pkg. Qty.	Monoplane Equiv. LIF	LIF
FSL	25813-7	300	6872P	230	GY9.5	3½	1⅝	7800	180	M	3200	ANY	10	CP/81	
GCV/GVH	25796-4	500	6820P	230	GY9.5	3½	1⅝	11,000	360	Bi-Plane	3000	BDTH	10	T/25	T/18
FRH	25806-1	500	6873P	230	GY9.5	3½	1⅝	13,500	180	M	3200	ANY	10	CP/82	
7389	14104-4	500	7389	230	GY9.5	3	1 15/32	14,000	75	Bi-Plane	3200	BDTH	10	A1/224	
GKV	36372-1	600	6986P	230	G9.5	4	2⅜	15,000	300	Bi-Plane	3200	ANY	10		
6998P	14103-6	650	6998P	230	GX9.5	4⅜	2⅛	13,000	750	Bi-Plane	3000	ANY	10	T 21	
GCK/GCT	25794-9	650	6823P	230	GY9.5	3½	1⅝	14,500	600	Bi-Plane	3050	BDTH	10	T/27	T/26
FKH	25820-2	650	6993Z	230	G22	5½	2½	16,500	120	Bi-Plane	3200	BDTH	10	CP/68	CP/39
6982P	13421-3	800	6982P	230	G9.5	4⅛	2⅜	20,000	300	Bi-Plane	3200	ANY	10		
FEP	14107-7	1000	6983P	230	G9.5	4	2⅜	26,000	250	Bi-Plane	3200	ANY	10	CP/77	
FVA	14108-5	1000	6995P	230	GX9.5	4½	2⅛	25,000	240	Bi-Plane	3200	BDTH	10	CP/70	CP/24
FKD	25803-8	1000	6996C	230	P28s	5	2⅛	21,000	900	Bi-Plane	3050	BDTH	10	T/20	T/14
7002Y 230v	13041-9	1000	7002Y	230	G22	5½	2½	29,000	250	Bi-Plane	3200	ANY	10		
FKJ	14247-1	1000	6995Z	230	G22	5½	2⅛	25,000	240	Bi-Plane	3200	ANY	10	T/20	
FWP	25804-6	1000	6996P	230	GX9.5	4	2⅛	21,000	750	Bi-Plane	3050	ANY	10	T/19	
FWS	14105-1	1200	6897P	230	GX9.5	4¾	2⅝	27,600	400	Bi-Plane	3000	ANY	10	T/29	
6894Y	14106-9	2500	6894Y	230	G22	6⅞	3½	67,500	350	Bi-Plane	3200	ANY	10	CP/91	
6963Z	29093-2	5000	6963Z	230	G38	11	6½	132,500	400	Bi-Plane	3200	ANY	1	CP/85	CP/29
7009Z	22399-0	1200	7009Z	80	G22	6	72½	36,000	200	Bi-Plane	3250	BDTH	10	—	—
6893P	14107-7	1000	6893P	230	GX9.5	4	2⅜	26,000	250	CC-8	3200	ANY	10	—	—
6897P	14105-1	1200	6897P	230	GX9.5	4¾	2⅝	27,600	400	C-13D	3000	ANY	10	—	—

ANSI Code	Product Number	Watts	Description	Volts	Base	MOL (In.)	LCL (In.)	Mean Lumens	Rated Avg. Life (Hrs.)*	Filament (2)	Color Temp (K)	Envelope Finish
HPL												
HPL 575 115v	39170-6	575	7007	115	Heat Sink	4	2⅜	16,520	300	Bi-Plane	3250	Clear
HPL 575 230v	14564-9	575	7007	230	Heat Sink	4	2⅜	14,900	400	Bi-Plane	3200	Clear
HPL 575LL 115v	39167-2	575	7007 LL	115	Heat Sink	4	2⅜	12,360	2,000	Bi-Plane	3050	Clear
HPL 575LL 230v	14565-6	575	7007 LL	230	Heat Sink	4	2⅜	11,760	1,500	Bi-Plane	3050	Clear
HPL 750 115v	391714	750	7008	115	Heat Sink	4	2⅜	21,900	300	Bi-Plane	3250	Clear
HPL 750 230v	14566-4	750	7008	230	Heat Sink	4	2⅜	19,750	300	Bi-Plane	3200	Clear

ANSI Code	Product Number	Watts	Description	Volts	Base	MOL (In.)	LL (In.)	LCL (In.)	Mean Lumens	Rated Avg. Life (Hrs.)*	Filament (2)	Color Temp (K)	Burning Position	Pkg. Qty.	LIF	Monoplane Equiv. LIF
Double-Ended																
13477R(1)	31349-4	800	13477 R	230	R7s	4⅝	2½	—	24,000	150	C-8	3200	HORIZ. ±15°	10	P2/11	
13704R	27085-0	1000	13704R	230	R7s	3⅝	1⅛	—	26,500	120	C-8	3200	ANY	10	P 2/35	
7786R	27072-8	1000	7786R	230	R7s	4⅝	2⅜	—	27,000	300	C-8	3200	HORIZ. ±15°			

1) These lamp types must be operated with a separate rapid acting High Breaking-Capacity fuse, either 415V AC or 500V DC working in accordance with the supply in use as per end of table.
2) C.C.=coiled coil, S.C.=single coil
* Rated average Life is the length of operation (in hours) at which point 50% of a large sample of lamps will still be operational and 50% will not

For the most current product information, go to the e-catalog on **www.philips.com**

SPECIALTY LAMPS

Description	Product Number	Watts	Volts	Lamp Current (Amps)	Initial Lumens	Rated Avg. Life (Hrs.)*	Arc Length (mm)	CRI	Color Temp (K)	Base
MSR LAMPS SINGLE-ENDED GAS DISCHARGE										
Hot Restrike(1,2)										
MSR 125 HR	24497-0	125	80	1.90	9400	200	4	92	6000	GZX9.5
MSR 200 HR	24499-6	200	70	3.30	15,000	200	5	92	6000	GZY9.5
MSR 250 HR	24518-3	250	96	2.60	20,000	750	5	90	6000	GZY9.5
MSR 400 HR	24504-3	400	70	6.90	32,000	1000	6	92	6000	GZZ9.5
MSR 575 HR	24544-9	575	95	6.95	49,000	1000	7	90	6000	G22
MSR 575 HR UV Block	24548-0	575	95	6.95	46,000	1000	7	90	6000	G22
MSR 1200 HR	24582-9	1200	100	13.80	110,000	1000	10	95	6000	G38
MSR 2500 HR	24581-1	2500	115	25.60	240,000	500	14	95	6000	G38
MSR 4000 HR	24589-4	4000	200	27.50	380,000	500	20	95	6000	G38
MSR 6000 HR	36042-0	6000	125	55.00	570,000	500	24	95	6000	GY38
MSR 12,000 HR	39071-6	12,000	160	84.00	1,200,000	300	30	95	6000	GY38
MSR 18,000 HR	21823-0	18,000	225	77.60	1,650,000	300	35	90	6000	GX51
Standard(1)										
MSR 400	24507-6	400	70	6.90	32,000	1000	6	95	5900	GX9.5
MSR 575/2 10H	24520-9	575	95	6.95	49,000	1000	7	70	7200	GX9.5
MSR 700	24542-3	700	72	12.00	55,000	1000	7	75	5900	G22
MSR 700/2	24543-1	700	72	11.00	55,000	1000	8	80	7200	G22
MSR 1200	24551-4	1200	100	13.80	110,000	800	10	80	5900	G22
MSR 1200/2	24556-3	1200	90	13.80	110,000	800	10	85	7200	G22
Short Arc(1)										
MSR 400 SA	24500-1	400	54	8.40	30,000	750	3	92	5600	GY9.5
MSR 700 SA	24502-7	700	72	11.00	55,000	750	4	80	5600	GY9.5
MSR 1200 SA	24540-7	1200	100	13.80	96,000	750	7	80	6000	GY22
MSR 1200 SA/SE Gold	24576-1	1200	93	12.90	93,000	750	7	80	6000	PGJ41
MSR 2000 SA	24541-5	2000	110	20.00	174,000	750	7	89	6000	GY22
MSR LAMPS DOUBLE-ENDED GAS DISCHARGE										
MSR 1800 DE	22058-2	1800		20	145,000	750	10	85	6000	SFC 15.5-6

1) Based on cycle 3.5 hours on/0.5 hour off, nominal wattage. Shorter life at short cycle operation.

2) Lamps must be used in fixtures designed for hot restrike.

* Rated average Life is the length of operation (in hours) at which point 50% of a large sample of lamps will still be operational and 50% will not

For the most current product information, go to the e-catalog on **www.philips.com**

SPECIALTY LAMPS

Description	Product Number	Watts	Volts	Lamp Current (Amps)	Initial Lumens	Rated Avg. Life (Hrs.)*	Arc Length (mm.)	CRI	Color Temp (K)	Base	MOL (mm)
MSR SA/DE GOLD (DOUBLE-ENDED) LAMPS											
MSR Gold 400 SA/2 DE	24522-5	400	48	8.4	27,000	750	3	70	7500	SFC 10-4	136
MSR Gold 575 SA/2 DE	24501-9	575	94	7.1	42,000	750	5	75	7500	SFC 11	92
MSR Gold 700 SA/2 DE	24523-3	700	70	10.2	56,000	1000	4	75	7500	SFC 10-4	136
MSR Gold 1200 SA/DE	24521-7	1200	100	13.6	110,000	1000	7	85	6000	SFC 10-4	136
MSR Gold 1200 SA/2 DE	24524-1	1200	207	13.6	103,000	750	7	80	7500	SFC 10-4	136
MSR Gold 1510 SA/DE	24525-8	1500	207	15	140,000	750	7	88	6000	SFC 10-4	136
MSR Gold 1510 SA/2 DE	24526-6	1500	207	15	126,000	750	7	86	7500	SFC 10-4	136
MSD LAMPS (1)											
MSD 150/2	24516-7	150	96	1.80	10,200	3000	5	62	8500	G12	—
MSD 200	24511-8	200	70	3.40	13,500	2000	5	80	6000	GY9.5	—
MSD 250	24514-2	250	90	3.00	18,000	3000	5	75	6700	GY9.5	—
MSD 250/2 30H	24515-9	250	90	3.00	18,000	3000	5	70	8500	GY9.5	—
MSD 575	24519-1	575	95	6.95	45,000	3000	8	75	6000	GX9.5	—
MSD 575 HR (2)	39168-9	575	95	6.95	46,000	1000	8	75	6000	G22	—
MSD 700	24553-0	700	72	11.00	55,000	3000	10	75	6000	G22	—
MSD 1200	24558-9	1200	115	13.80	92,000	3000	14	95	6000	G22	—
MHD LAMPS (1)											
MHD 1800	31360-1	1800	120	17.3	155,000	4000	25	90	5600	SFC20-6	—
FASTFIT LAMPS											
Gas Discharge											
MSR Gold 300/2 Mini FastFit	24530-8	300	96	3.80	23,000	750	5	80	9300	PGJX28	126
MSR Gold 700/2 Mini FastFit	24539-9	700	69	10.20	47,000	750	5	75	7200	PGJX28	112
MSR Gold 700 FastFit	24559-7	700	207	14.00	50,000	750	4	75	6000	PGJX50	111
MSR Gold 700/2 FastFit	24562-1	700	72	11.00	50,000	750	4	80	7500	PGJX50	111
MSR Gold 1200 FastFit	24568-8	1200	207	13.00	95,000	750	5	75	6300	PGJX50	128
MSR Gold 2000/2 FastFit	24560-5	2000	110	19.00	150,000	750	8	80	7500	PGJX50	134
MSR Gold 2000 SA FastFit	24573-8	2000	110	19.00	165,000	750	8	80	6000	PGJX50	134
Hi-Brite											
Hi-Brite 750 FastFit	20161-6	750	80	9.50	22,500	300		100	3250	PGJX50	125
Hi-Brite 1200 FastFit	20162-4	1200	80	15.00	36,000	200		100	3250	PGJX50	140
Hi-Brite 1200/115 FastFit	20171-5	1200	115	10.40	33,600	300		100	3200	PGJX50	140
Hi-Brite 1200/230 FastFit	20172-3	1200	230	5.20	29,000	300		100	3200	PGJX50	140
Hi-Brite 1200/240 FastFit	20173-1	1200	240	5.00	29,000	300		100	3200	PGJX50	140
7019G 750W PGJ X50	22907-0	750	115	6.52	20,500	250	9.5 x 9.0	100	3200	PGJX50	140
7018G 800W PGJ X50	22909-6	800	230	3.48	20,000	250	9.0 x 12.5	100	3200	PGJX50	140
7021G 575W/115	27165-0	575	115	5.11	15,500	300	9.0 x 7.5	100	3200	PGJX50	140
7021G/LL 575W/115	27166-8	575	115	5.11	12,500	1,500	9.0 x 9.5	100	3100	PGJX50	140

1) These lamp types must be operated with a separate rapid acting High Breaking-Capacity fuse, either 415V AC or 500V DC working in accordance with the supply in use as per end of table.
2) C.C.=coiled coil, S.C.=single
* Rated average Life is the length of operation (in hours) at which point 50% of a large sample of lamps will still be operational and 50% will not
Unless otherwise noted all dimensions are in inches. To convert inches to millimeters multiply by 25.4001.

For the most current product information, go to the e-catalog on **www.philips.com**


MSR SA/DE GOLD Lamps SFC 10-4 Base


MSD Lamp GY9.5 Base


MSD Lamp GX9.5 Base

MSD Lamp G22 Base


MSR Gold Fastfit Lamp PGJX28 Base


MSR Gold Fastfit Lamp PGJX50 Base


Hi-Brite Fastfit Lamp PGJX50 Base

SPECIALTY LAMPS

Product Number	Watts	Description	Volts	Base	Diam. (In.)	Diam. (mm)	MOL (In.)	MOL (mm)	Lumens	Rated Avg. Life (Hrs.)*	Color Temp. (K)	Burning Position	Beam Shape
SEALED BEAM													
35619-6	500	500PAR56Q/NSP	120	Mog. End	7	179	5	127	88,000	4000	2950	Universal	Narrow Spot
35621-2	500	500PAR56Q/MFL	120	Mog. End	7	179	5	127	43,000	4000	2950	Universal	Med. Flood
35620-4	500	500PAR56Q/WFL	120	Mog. End	7	179	5	127	22,500	4000	2950	Universal	Wide Flood

Description	Product Number	Watts	Volts	Lamp Current (Amps)	Initial Lumens	Rated Avg. Life (Hrs.)*	Arc Length (mm)	CRI	Color Temp (K)	Base
CERAMIC ST LAMPS										
Ceramic ST 250HR	24517-5	250	100	2.6	23,000	4000	8	90	3200	GZY9.5
Ceramic ST 250 Mini FastFit	24531-6	250		2.6	23,000	4000		90	3200	PGJX28

Product Number	Description	Watts	Volts	Lumens	Base	LCL (In.)	MOL (In.)
SHORT ARC LAMPS(1)							
31644-8	SAH250B	250	42	10,000	Med. Pf.	3	6

1) DC operation only—should be operated on a control circuit which supplies direct current to the lamp.

* Rated average Life is the length of operation (in hours) at which point 50% of a large sample of lamps will still be operational and 50% will not

Unless otherwise noted all dimensions are in inches. To convert inches to millimeters multiply by 25.4001.

For the most current product information, go to the e-catalog on **www.philips.com**

PAR56
Mog. End Base

Ceramic ST 250 HR
GZY9.5 Base

Ceramic ST 250
Mini FastFit
PGJX28 Base

SAH 250 B

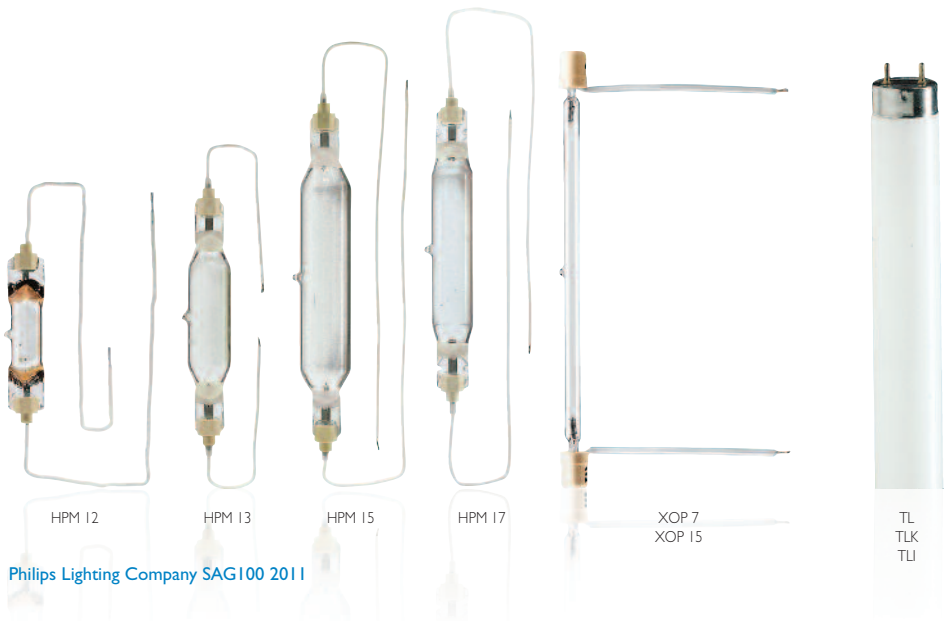
SPECIALTY LAMPS

Product Number	Description	Watts	Volts	Nom. Length (mm)	Diameter (mm)
MEDIUM PRESSURE METAL HALIDE LAMPS					
30832-0	HPM 12	460	120	98	21
44440-6	HPM 13	1000	125	147	27
30831-2	HPM 15	1950	240	203	32
30829-6	HPM 17	2000	243	175	27

Product Number	Description	Watts	Volts	Max. Length (mm)	Width or Diameter (mm)
LOW PRESSURE PULSED XENON DISCHARGE LAMPS					
30750-4	XOP 7 O/F	750	52	241	16.2
30749-6	XOP 15 O/F	1500	105	395	16.2

Product Number	Description	Watts	Current Amps	Bulb	Nom. Length (mm)	(In.)
FLUORESCENT LAMPS WITH SUPER ACTINIC RADIATION—MEDIUM BIPIN BASE						
30808-0	TL140W/03	140	1.46	T12	1514	60

For the most current product information, go to the e-catalog on **www.philips.com**



SPECIALTY LAMPS

Product Number	Ordering Code	Watts	Description	Nom. Length (In.)	Bulb	Base	Rated Avg. Life (Hrs.)*	UVA Watts
UVA 365NM PEAK LAMPS(1)								
15752-9	PL-S 9W/08 (Lead Free)	9	UVA Lamp	6½	PL-S	G23	3000	
15766-9	PL-S 9W/10 (Lead Free)	9	UVA Lamp	6½	PL-S	G23	2000	1.9
15765-1	PL-S 9W/10/2P (Lead Free)	9	UVA Lamp	6½	PL-S	G23	9000	
13036-9	F15T8/BL	15	Black Light	18	T8	Med. Bipin	5000	3.1
13034-4	PL-L 18W/10	18	UVA Lamp	9	PL-L	2G11	5000	3.4
23293-4	PL-L 36W/10/4P	36		15⅛	PL-L	2G11	2000	
39153-2	Actinic BL 40W/10	40	Black Light	48	T12	Med. Bipin	9000	9
24675-1	TLK 40W/10R	40	UVA Reflector Lamp	24	T12	Med. Bipin	3000	7.4
26169-3	TL 60W/10R	60	UVA Reflector Lamp	48	T12	Med. Bipin	1000	15.8
26885-4	TL 80W/10R	80	UVA Reflector Lamp	60	T12	Med. Bipin	1000	20.5
24694-2	TL 100W/10R	100	UVA Reflector Lamp	70	T12	Med. Bipin	1000	26.6
21513-7	Actinic BL 8W/10	8	UVA Lamp	20	T5	Min. Bipin	3000	
21517-8	Actinic BL 30W/10	30	UVA Lamp	24	T8	Med. Bipin	2000	
21514-5	Actinic BL TL-K 40W/10	40	UVA Lamp	24	T12	Med. Bipin	2000	

* Rated average Life is the length of operation (in hours) at which point 50% of a large sample of lamps will still be operational and 50% will not

1) For graphic arts, lacquer curing and insect trap applications

For the most current product information, go to the e-catalog on **www.philips.com**

SPECIALTY LAMPS

Product Number	Description	Watts (1)	UV-C Watts (2)(5)	Bulb	Base	Rated Avg. Life (Hrs.)*	Nom. Length (In.)	Volts
GERMICIDAL STERILAMP 254NM LAMPS								
Hot Cathode								
36371-3	TUV 4T5	4	0.9	T5	Min. Bipin	6000	6	
24485-5	TUV 6T5	6	1.5	T5	Min. Bipin	8000	9	
29930-5	TUV 8T5	8	2.1	T5	Min. Bipin	8000	12(3)	
30864-3	TUV 15T8	15	4.7	T8	Med. Bipin	8000	18(3)	
13340-5	TUV 17T8	17		T8	Med. Bipin	9000	25(3)	
29268-0	TUV 25T8	25	7.0	T8	Med. Bipin	8000	18(3)	
36016-4	TUV 30T8	30	11.2	T8	Med. Bipin	8000	36(3)	
26269-1	TUV 36W	36	15.3	T8	Med. Bipin	8000	48(3)	
37634-3	TUV 55W HO	55		T12	Med. Bipin	8000	48(3)	
29090-8	TUV 75W HO	75	26.0	T8	Med. Bipin	8000	48(3)	
Amalgam								
21256-3	TUV 230W XPT	230		T10	4-Pin	12,000		
21258-9	TUV 335W XPT	335		T10	4-Pin	12,000		
15792-5	TUV 260W XPT DIM	260		T10	4-Pin	12,000		
Amalgam XPT System								
24262-8	TUV 130W XPT	140	48(5)	T6	4PSE	12,000	33.14	70
24261-0	TUV 180W XPT	180	60(5)	T6	4PSE	12,000	40.63	90
24260-2	TUV 200W XPT	200	66(5)	T6	4PSE	12,000	45.16	100
24258-6	TUV 325W XPT HO	325	110(5)	T6	4PSE	12,000	62.28	158
Twin Tube PL-S / PL-L Hot Cathode								
38186-3	PL-S 5W/TUV	5	1.0	PL-S	G23	8000	4	
32512-6	PL-S 9W/TUV	9	2.4	PL-S	G23	9000	6½	
21064-1	PL-L 18W/TUV	18	5.5	PL-L	2G11	9000	8 15/16	
13726-5	PL-L 35W/TUV	35	11.0	PL-L	2G11	9000	8 15/16	
26585-0	PL-L 36W/TUV	36	12.0	PL-L	2G11	9000	16 7/16	
29464-5	PL-L 55W/TUV	55	17.0	PL-L	2G11	9000	22½	
13035-1	PL-L 60W/TUV	60	18.0	PL-L	2G11	9000	16 7/16	
13725-7	PL-L 95W/TUV	95	32.0	PL-L	2G11	9000	22½	

Product Number	Description
DRIVERS	
24266-9	TUV 130W XPT driver
24264-4	TUV 200W XPT driver
24263-6	TUV 325W XPT HO driver

* Rated average Life is the length of operation (in hours) at which point 50% of a large sample of lamps will still be operational and 50% will not

1) Wattages shown are for operation from a transformer or ballast, currently standard, under specified test conditions.

2) 100 Hour

3) Approximate overall length including two standard lamp holders.

4) Wattage shown is for lamp operating current of 420 ma. Wattage will vary at other operating currents as follows: 120 ma. — 17 watts; 200 ma. — 25 watts; 300 ma. — 32 watts.

5) UVC 100 Hour on HF gear

For the most current product information, go to the e-catalog on **www.philips.com**


T5 Hot Cathode Lamp Min. Bipin


T8 Hot Cathode Lamp Med. Bipin


T12 Hot Cathode Lamp Med. Bipin


T10 4-Pin Amalgam Lamp


PL-S Twin Tube G23 Base


PL-L Hot Cathode 2G11 Base


TUV Amalgam XPT System

SPECIALTY LAMPS

Product Number	Description	Watts (1)	UV-C Watts (2)(5)	Bulb	Base	Rated Avg. Life (Hrs.)*	Nom. Length (In.)
SLIMLINE T5							
38542-7	TUV 11W 4P SE	11	2.2	T5	4-Pin	8000	10
38541-9	TUV 16W 4P SE	16	3.9	T5	4-Pin	8000	13
13341-3	TUV 25W 4P SE	16	7.2	T5	4-Pin	8000	20
29267-2	TUV 36T5 SP	39(4)	15	T5	Single Pin	9000	34
36209-5	TUV 36T5 4P SE	39(4)	15	T5	4-Pin	9000	34
13389-2	TUV 36T5 HO 4P SE	75	25	T5	4-Pin	9000	34
29269-8	TUV 64T5 SP	75	31	T5	Single Pin	9000	62
15782-6	TUV 64T5 2P SE ALTO	75	31	T5	Bipin	9000	62
38303-4	TUV 64T5 4P SE IS	75	31	T5	4-Pin	9000	62
36217-8	TUV 64T5 4P SE	75	31	T5	4-Pin	9000	62
39200-1	TUV 64T5 HO 4P SE	145	48	T5	4-Pin	9000	62

Product Number	Description	Watts (1)	UV-C Watts (2)(5)	Bulb	Base	Rated Avg. Life (Hrs.)*	Nom. Length (In.)	Volts
TUV T8 XTRA								
24968-0	TUV 15 Xtra	15	5.1	T8	Med. Bipin	18,000	17.77	54
24971-4	TUV 30 Xtra	30	13.1	T8	Med. Bipin	18,000	35.77	102
24972-2	TUV 36 Xtra	36	14.7	T8	Med. Bipin	18,000	47.77	103
24973-0	TUV 55 Xtra HO	55	19.6	T8	Med. Bipin	18,000	—	86
24977-1	TUV 75 Xtra HO	75	28.1	T8	Med. Bipin	18,000	—	110

* Rated average Life is the length of operation (in hours) at which point 50% of a large sample of lamps will still be operational and 50% will not

1) Wattages shown are for operation from a transformer or ballast, currently standard, under specified test conditions.

2) 100 Hour

4) Wattage shown is for lamp operating current of 420 ma. Wattage will vary at other operating currents as follows: 120 ma. — 17 watts; 200 ma. — 25 watts; 300 ma. — 32 watts.

5) UVC 100 Hour on HF gear

For the most current product information, go to the e-catalog on **www.philips.com**

Slimline T5 TUV 4-Pin

Slimline T5 TUV Single Pin

Slimline T5 TUV Bipin

TUV T8 Xtra

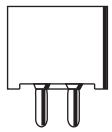
SPECIALTY LAMPS

Base Types and Bulb Shapes

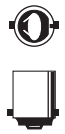
Base Types (Not Actual Sizes)

PG22-6.35
DIN: 49751
iec: 7004-48

RX7s
DIN: 49750
IEC: 7004-92
ANSI: Recessed single contact base
C8.61-1990
sheet 1-770-1



G5.3
IEC: 7004-73-2
ANSI: Miniature 2-pin
C81.61-1990
sheet 1-20-1



BA 15s
DIN: 49720
IEC: 7004-11A
ANSI: Single contact candelabra bayonet base
C81.61-1990
sheet 1-20-1

BA15d
DIN: 49720
IEC: 7004-11A
ANSI: Candelabra bayonet base double contact
C81.61-1990
sheet 1-20-1

B15d
DIN: 49721
IEC: 7004-11

B22d/22
IEC: 7004-10

G3.9
ANSI:
C81.61-1990
sheet 1-300-1

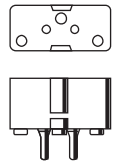
G4
IEC: 7004-72

GX5.3
(Round pin)
IEC: 7004-73
ANSI:
C61.61-1990
sheet 1-321-1

G6.35
GX6.35
GY6.35
IEC: 7004-59
ANSI: C81.61-1990
sheet 1-340-1

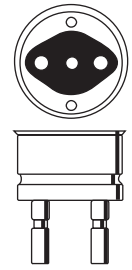
GZ6.35
DIN: 49754
IEC: 7004-59A

GZ4
IEC: 7004-67

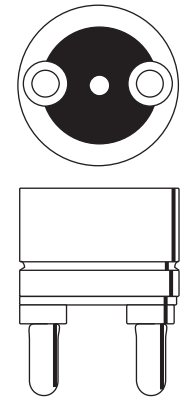


GX9.5
DIN: 49638
IEC: 7004-70A

GY9.5
IEC: 7004-70B
ANSI: C81.61-1990
sheet 1-369-1



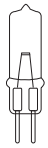
G22
IEC: 7004-75
ANSI: Medium bipost
C81.61-1990
sheet 1-466-1



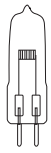
G38
IEC: 7004-76
ANSI: Mogul bipost
C81.61-1990
sheet 1-519-1

Bulb Shapes (Not Actual Sizes)

T-2.5
T-3

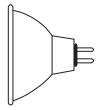


T-3.5
T-4
T-4.5

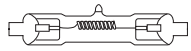


T-5
T-6

G-7



MR-11
MR-13
MR-16



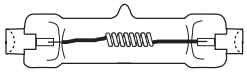
R7s

RX7s

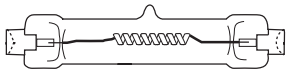
SPECIALTY LAMPS
Base Types and Bulb Shapes

Base Types and Bulb Shapes (Not Actual Sizes)

Double-Ended Tungsten Halogen lamps
3⅛, 3¾, 4⅜, 4$^{11}/_{16}$, 5⅝ and 6⅝ MOL
RX7s Base



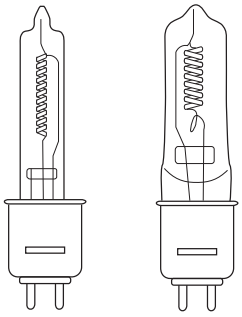
DWY, DWZ, DXN, DXW, FBY



DWT, FER/EHS, FEY

EHM, EHZ, EJG, FCL, FCM, FFT, FHM

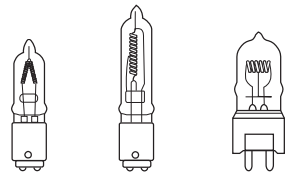
Medium 2-Pin
Tungsten Halogen Lamps (G9.5)



EHD
500Q/CL

EHG
FEL

Double Contact Bayonet Bases (BA15d)
Tungsten Halogen-Miniature 2-Pin Base (G5.3)
Tungsten Halogen-2-Pin Prefocus Base (GZ9.5)

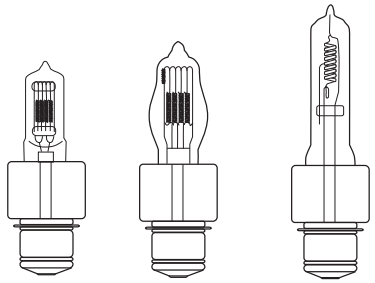


FEV
150/DC

ESS
500Q/CL/DC

DYS/DYV/BHC
(GZ9.5)

Medium Prefocus Lamps with 2⁷⁄₁₆" L.C.L. (P28s)
Medium Prefocus Lamps with 3½" L.C.L. (P28s)

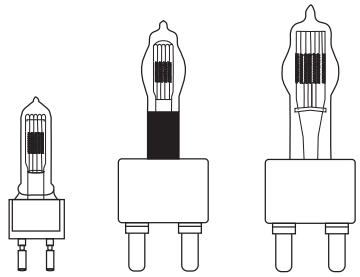


BTL

BTP
BTR

EGE, EGF,
EGG, EGJ

Medium Bipost Lamps with 2½" L.C.L. (G22)
Medium Bipost Lamps with 5" and 6½" L.C.L. (G38)

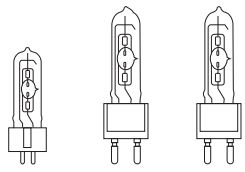


EGR
EGT

CYV

CYX
FKK (5" LCL)

MSR Lamps
(Medium Source Rare Earth Lamps)

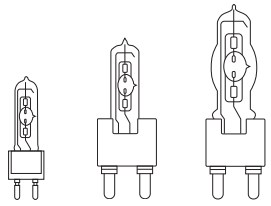


MSR 400

MSR 700

MSR 1200

MSR/HR Lamps (Medium Source Rare Earth
Lamps Hot Restrike Version)

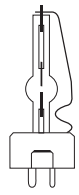


MSR
575/HR

MSR
1200/HR

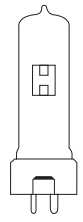
MSR
2500/HR

MSR Short
Arc Lamps



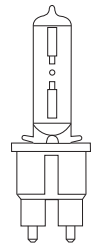
MSR
400W SA

MSD Lamps

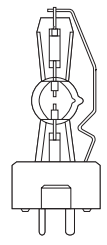


MSD
200W/2

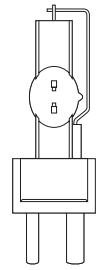
MHD Lamps



MHD
200



MSR 400 SA/MSR 700 SA

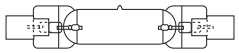


MSR 1200 SA/MSR 2000 SA

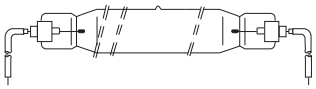
SPECIALTY LAMPS

Base Types and Bulb Shapes

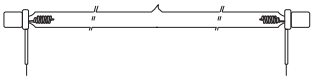
Specialty Bulb Shapes (Not Actual Sizes)



HPM 10/B, 13, 19, 20



HPM 12,14, 15, 17, 19, 20C,



XOP 7, 15, 25, O/F

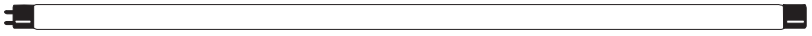
T12 Medium Bipin

T8 Medium Bipin

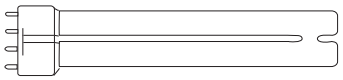
T5 Miniature Bipin

Hot Cathode Sterilamp

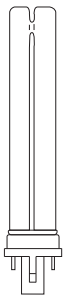
Cold Cathode and Slimline Sterilamp



Slimline Sterilamp



PL-L



PL-S

XPT

Xtra