

SPECIALTY LAMPS



Photo/Projection Lamps: Listed by ANSI Code	105–106
Cross Reference List of IEC and ANSI Base Designations	106
Photo/Projection Lamps Base Types and Bulb Shapes	107
Stage/Studio/TV Lamps: Listed by ANSI Code	108–109
High Volt SSTV Halogen Lamps	109
MSR Lamps Single-Ended Gas Discharge	109
MSD Lamps	110
MHD Lamps	110
Sealed Beam	110
MasterColor® CDM/SA (Short Arc)	110
Micro Power Light (MPXL)	110
MSI Lamps	110
Stage/Studio/TV Lamps Bulb Shapes and Base Types	111
Short Arc Lamps	112
Medium Pressure Metal Halide Lamps	112
Low Pressure Pulsed Xenon Discharge Lamps	112
Fluorescent Lamps with Super Actinic Radiation	112
Fluorescent Lamps with Actinic Radiation	112
Black Light Lamps	113
Special Blue (Therapeutic) Lamps	113
Germicidal Sterilamp® Tubes	113
Starters	114
Specialty Bulb Shapes	114
Quartz Infrared Heat Lamps	115
HeLeN Quartz Infrared Heat Lamps	116
Tubular Quartz Infrared Bulb Shapes	116

Photo/Projection Lamps

ANSI Code	Product Number	Std. 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	Fig. No.
BRL	31627-3	24	12	50	T-3.5	G6.35	50	C-6	1.18	30	1.73	44	1500	3400	BDTH	13
BVE	23922-8	24	120	625	T-6	GY9.5	75	C-13D	1.75	44.5	3.5	89		3350	BDTH	11
DDL	31509-3	24	20	150	GX5.3	GX5.3	500	CC-6			1.75	44.5		3150	BDTH	25
DDM	23937-6	24	19	80	MR-16	GX5.3	50	CC-6			1.75	44.5		3350	BDTH	25
DDS	31510-1	24	21	80	MR-16	GX5.3	1000	CC-6			1.75	44.5		3125	BDTH	25
DED	31475-7	24	13.8	85	MR-16	GX5.3	1000	C-8			1.75	44.5		3150	BDTH	25
DNE	23939-2	24	120	150	57 DICH	G7.9	12	CC-6	0.63	15.9	1.94	49.2		3350	Horiz.	28
DNF	25241-1	24	21	150	MR-16	GX7.9	25	CC-6	6.15	15.88	1.78	45.24		3400	Horiz.	28
DRA	23940-0	24	120	300	T-5	G6.35-20	300	CC-6	1.3	33	2	50	6900	3100	BDTH	12
DWZ	31750-3	100	30	375	T-4	RX7s	1000	CC-6			3.17	80.6	7000	2900	ANY	18
DXN	31202-5	12	120	1000	T-5	RX7s	30	CC-8			3.75	95.3	33,000	3400	ANY	21
DXW	31219-9	12	120	1000	T-5	RX7s	150	CC-8			3.75	95.3	28,000	3200	ANY	21
DYS/DYV/BHC	31639-8	24	120	600	G-7	GZ9.5	75	CC-6	1.44	36.5	2.5	63.5	17,000	3200	Horiz.	15
EFM	31484-9	50	8	50	MR-16	GZ6.35	50	C-6			1.65	42		3300	BDTH	25
EFN	31502-8	50	12	75	MR-16	GZ6.35	50	C-6			1.65	42		3350	BDTH	25
EFP	31488-0	50	12	100	50 DICH	GZ6.35	50	C-6			1.65	42		3350	BDTH	25
EFR	31490-6	50	15	150	MR-16	GZ6.35	50	C-6			1.65	42		3350	BDTH	25
EHA	31641-4	24	120	500	T-6	GZ9.5	50	C-13D	1.44	36.5	3	76.2	11,000	3250	BDTH	14
EHJ	31758-6	100	24	250	T-4	G6.35	50	C-6F	1.3	33	2.17	55	9400	3400	BD	13
EHJ-X	23175-3	200	24	250	T-4	G6.35	50	C-6F	1.3	33	2.17	55	10,000	3400	BD	13
EJA	44142-8	24	21	150	MR-16	GX5.3	40	CC-6			1.85	44.5		3350		25
EJL	31508-5	24	24	200	MR-16	GX5.3	50	CC-6			1.85	44.5		3400	BDTH	25
EJM	23942-6	24	21	150	MR-16	GX5.3	40	CC-6			1.75	44.5		3400	BDTH	25
EJV	33744-4	24	21	150	MR-16	GX5.3	40	CC-8			1.75	44.5		3400	BDTH	25
EKE	31592-9	24	21	150	MR-16	GX5.3	200	CC-6			1.75	44.5		3400	BDTH	25
EKZ	23945-9	24	10.8	30	MR-16	GX5.3	200	CC-6			1.75	44.5		3100	BDTH	25
ELB	23946-7	24	30	80	50 DICH	GX5.3	15	CC-6			1.75	44.5		3400	BDTH	25
ELC	23103-5	24	24	250	MR-16	GX5.3	50	CC-6			1.75	44.5		3200	BDTH	25
ELC-5	38166-5	24	24	250	MR-16	GX5.3	500	CC-6			1.75	44.5		3200	BDTH	25
ELD	31618-2	24	21	150	MR-16	GX5.3	40	CC-6			1.85	44.5		3350	BDTH	25
ELH	31619-0	24	120	300	MR-16	GY5.3	35	CC-8			1.85	44.5		3350	BDTH	25
ELZ	23950-9	24	21	150	57 DICH	G7.9	60	CC-6	0.63	15.9	1.94	45.1		3350	Horiz.	28
ENG	23951-7	24	120	300	MR-16	GY5.3	15	CC-8			1.75	44.5		3450	BDTH	25
ENH	31621-6	24	120	250	50 DICH	GV5.3	175	CC-8			1.75	44.5		3250	BDTH	25
ENX	31927-7	24	82	360	MR-16	GY5.3	75	CC-8			1.75	44.5		3300	BDTH	25
ENX-5	20497-4	24	86	360	MR-16	GY5.3	75	CC-8			1.75	44.5		3300	BDTH	25
ENZ	23954-1	24	30	50	50 DICH	GX50.3	25	CC-6			1.75	44.5		3400	BDTH	25
EPR	23959-0	24	120	500	T-6	G17t-7	50	C-13D	1.61	41	3.5	89		3250	BDTH	
EPW	23962-4	24	100	360	50 DICH	GY5.3	75	CC-8			1.75	44.5		3300	BDTH	25
EPX	23963-2	24	14.5	90	50 DICH	GX5.3	500	CC-6			1.75	44.5		3150	BDTH	25
ESA/EHD	26126-3	100	6	10	T-2.5	G-4	100	C-6	0.77	19.6	1.18	30	200	3200	ANY	3
ESB	25678-4	100	6	20	T-3	G-4	100	C-6	0.77	19.5	1.22	31	420	3200	ANY	3
D ETA	31882-4	24	12	100	T-3.5	PG22d	50	C-6	0.71	18	1.89	48	3200	3400	BDTH	8
EVA	25676-8	100	12	100	T-3.5	GY6.35	1000	C-6F	1.18	30	1.73	44	2500	3200	ANY	7
EVA	25676-8	100	12	100	T-3.5	GY6.35	1000	C-6F	1.18	30	1.73	44	2500	3200	ANY	7
EVC	31884-0	100	24	250	T-5	G6.35	300	C-GF	1.3	33	2.24	57	8400	3200	ANY	13
EVD-X	23177-9	24	36	400	T-6	G6.35	50	C-6F	1.42	36.1	2.36	59.9	16,625	3400	BDTH	13
EVW	25284-1	24	82	250	50 DICH	GX5.3	50	CC-8			1.75	44.45		3300	BD TO 22° UP	25
EXR	25286-6	24	82	300	MR-13	GX5.3	35	CC-8			1.75	44.45		3350	BDTH	27
EXR-5	23967-3	24	86	300	MR-13	GX5.3	15	CC-8			1.75	44.5		3400	BDTH	27
EXW	23971-5	24	82	300	42 DICH	GX5.3	15	CC-8			1.75	44.5		3400	BDTH	27
EXY	20493-3	24	82	250	MR-13	GX5.3	250	CC-8			1.75	44.5		3250	BDTH	27
EYB	23257-9	24	82	360	T-5	G5.3	75	CC-8	1.25	31	2.25	57	10,000	3250	BDTH	6
EYB-5	23972-3	24	86	360	T-5	G5.3	75	CC-8	1.25	31.8	2.25	57	10,000	3300	BDTH	6
EYH/FKT	23973-1	24	120	250	GT-7	G5.3	150	CC-6	1.44	36.5	2.5	63	6050	3050	BDTH	

◆ — SPECIAL ORDER ITEM, Consult Customer Service for minimum order quantities and delivery.

D — Lamps to be discontinued after inventory is depleted. Please check with customer service for availability.

❖ — Not shown.

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 www.nam.lighting.philips.com/us/ecatalog/

FocusLine

Photo/Projection Lamps, continued

ANSI Code	Product Number	Std. 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	Fig. No.
FAL	23976-4	24	120	420	T-6	RX7s	75	CC-8			2.63	66.7	11,000	3200	ANY	18
FCM	33269-2	12	120	1000	T-3	RX7s	300	C-8			4.72	119.9	27,000	3200	Horiz.	20
FCR	26101-6	100	12	100	T-3.5	GY6.35	50	C-6F	1.18	30	1.73	44	3400	3400	BDTH	7
FCS	20607-8	200	24	150	T-4	G6.35	50	C-6F	1.18	30	2	50.8	6000	3400	BDTH	13
FDS/DZE	31655-4	24	24	150	T-4 1/2	GZ9.5	50	C-6F	1.32	33.4	2.25	57	5000	3400	BD	5
FDV	23978-0	24	24	150	T-5	G6.35-15	100	C-6F	1.18	30	2	50	4300	3300	BDTH	13
FHM	26130-5	100	120	1000	T-3	RX7s	300	C-8			4.72	119.9	26,000	3200	Horiz.	20
FHS	25305-4	24	82	300	MR-13	GX5.3	70	CC-8			1.75	44.45		3300	BDTH	27
FHS-5	23981-4	24	86	300	MR-13	GX5.3	70	CC-8			1.75	44.5		3300	BDTH	27
FHV	31671-1	24	32	150	T-4	G6.35	50	C-6F	1.81	30	1.96	50	5000	3400	BDTH	13
FJX	31499-7	50	13.8	30	50 DICH	GX5.3	500	C-8			1.77	44.9		3150		25
FKY	31924-4	24	6	9	MR-11	G3.9	250	C-6			1.65	42			BDTH	26
FLN	31935-0	24	13.8	50	50 DICH	GX5.3	1000	C-8			1.75	44.5		3150	BDTH	25
FLT	23980-6	24	13.8	25	MR-11	GZ4	400	CC-6			1.38	35		3100	Horiz.	23
FLW	20492-5	24	24	300	T-6	GY6.3	50	C-6F	1.3	33	2.17	55	10,450	3400	BD±15°	13
FLZ	31929-3	24	18.7	125	50 DICH	GX5.3	120	CC-6			1.85	47			BDTH	25
FNT	20463-6	200	24	275	T-6	G6.35	75	C-6F	1.3	33	2.17	55	10,000	3400	BDTH	13
FXL	23030-0	24	82	410	50 DICH	GY5.3	50	CC-8			1.75	44.5		3300	BDTH	25
GDA	38684-7	100	120	500	T 3.5	RX7s	75	CC-8			5.25	133.3	11,000	3200	ANY	19
JCR 15V, 150W	24923-5	24	15	150	MR-16	GZ6.35	500	C-8			1.65	42			BDTH	25
5761	25713-9	100	6	30	T-3.5	G4	100	C-6F	0.77	19.6	1.22	31	765	3200	ANY	16
5972	31333-8	100	6	10	T-3	G4	200		0.95	24	1.5	38	150	3000	ANY	4
6605	25684-2	100	6	10	T-3	G4	2000	C-6	0.77	19.5	1.22	30	150	2700	ANY	3
7010	25702-2	10	120	300	T-6	GX6.35	150	C-6	1.28				7500	3200	ANY	
13117	37614-5	50	17	150	MR-16	GX5.3	1000	CC-6			1.85	47		3200	ANY	25
13139	33545-5	50	12	75	MR-16	GX5.3	1000	C-8			1.65	42			BD±105°	25
13165	44295-4	50	14	35	35 DICH	GZ4	50				1.5	38			BD±130°	25
13288	22146-5	50	13.8	85	MR-16	GX5.3	1000	C-8			1.81	46			BDTH	25
13298	35436-5	230	10	52	35 DICH	GZ4	20	CC-8			1.77	44.9			Horiz.±40°	26
13347W	31453-4	100	6	15	T-6	BA15d	100	C-6F	1.75	44.5	2.13	54.1	210		Horiz.	❖
13477R	31349-4	150	220	800	T-3.5	RX7s	150				4.72	120	21,600	3200	Horiz.	22
13528	31504-4	360	6	15	35 DICH	GZ4	500	C-6			1.5	38			BD±105°	26
13529	31507-7	360	6	9	MR-11	GZ4	250	C-6			1.5	38			BD±105°	26
13865	26423-4	50	12	75	MR-11	G5.3	50				1.57	40			BD±105°	23
14553	26391-3	230	10	52	MR-11	GZ4	20				1.57	40			BD±105°	26

Cross Reference List of IEC and ANSI Base Designations

IEC	ANSI	IEC	ANSI	IEC	ANSI	IEC	ANSI
E10/12	Miniature Screw	G13	Medium Bipin	G17t	3-Pin Prefocus	GY9.5	Prefocus Two-Pin
E12/15	Candelabra Screw	G20	Mogul Bipin	G17q	4-Pin Prefocus		(Higher Wattage)
E17/20	Intermediate Screw	R17d	Recessed D.C.	GX17q	4-Pin Prefocus (Low-Volt)	GZ9.5	Prefocus Two-Pin
E26s	Medium Screw S.C.	BA15s	Candelabra Bayonet S.C.	G5.3	Miniature Two-Pin	G22	Medium Bipost
E26d	Medium Screw D.C.	BA15d	Candelabra Bayonet D.C.	G6.35	Glass Two-Pin	G38	Mogul Bipost
E39	Mogul Screw	P28S	Medium Prefocus	GY6.35	Glass Two-Pin	R7s	Recessed S.C.
Fa8	Single-Pin	P40s	Mogul Prefocus	G9.5	Medium Two-Pin	GY5.3	Two-Pin Reflector (Low-Volt)
G5	Miniature Bipin					GY5.3	Two-Pin Reflector

For the most current product information, go to www.nam.lighting.philips.com/us/ecatalog/

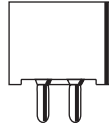
Base Types (Not Actual Sizes)



PG22-6.35
DIN: 4975 I
iec: 7004-48



RX7s
DIN: 49750
IEC: 7004-92
ANSI: Recessed
single contact base
C81.61-1990
sheet I-770-1



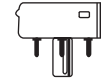
G5.3
IEC: 7004-73-2
ANSI: Miniature
2-pin
C81.61-1990
sheet I-20-1



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



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



GX17q
GX17q
G17q
DIN: 49665
IEC: 7004-45
ANSI: Four-pin
prefocus base
C81.61-1990
sheet I-440-1



B15d
DIN: 4972 I
IEC: 7004-11



B22d/22
IEC: 7004-10



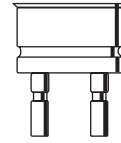
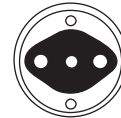
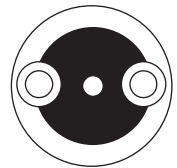
G3.9
ANSI:
C81.61-1990
sheet I-300-1



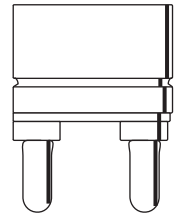
G4
IEC: 7004-72



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



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



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



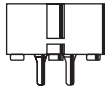
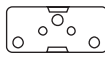
G6.35
GX6.35
GY6.35
IEC: 7004-59
ANSI: C81.61-1990
sheet I-340-1



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 I-369-1

Bulb Shapes (Not Actual Sizes)

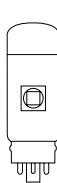


Fig. 1



Fig. 2



Fig. 3

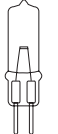


Fig. 4

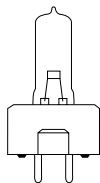


Fig. 5

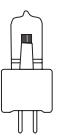


Fig. 6



Fig. 7

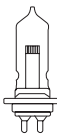


Fig. 8



Fig. 9



Fig. 10

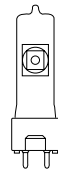


Fig. 11



Fig. 12

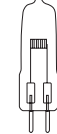


Fig. 13



Fig. 14



Fig. 15



Fig. 16

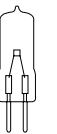


Fig. 17

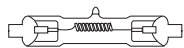


Fig. 18

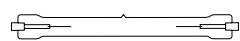


Fig. 19



Fig. 20

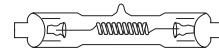


Fig. 21



Fig. 22



Fig. 23



Fig. 24



Fig. 25



Fig. 26



Fig. 27

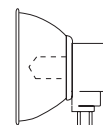


Fig. 28



Stage/Studio/TV Lamps

ANSI Code	Product Number	Watts	Description	Volts	Base	MOL (In.)	LL (In.)	LCL (In.)	Mean Lumens	Rated Avg. Life (Hrs.)	Filament	Color Temp. (K)	Envelope Finish
BTL	31891-5	500		120	Med. Pf.	4 ½		2.18	11,000	500	C-13D	3050	Clear
BTN	20481-8	750		120	Med. Pf.	4 ½		2 ¾	17,600	500	C-13D	3050	Clear
BTP	30514-4	750	750T7Q/4CL/2P	120	Med. Pf.	4 ½		2.38	21,000	200	C-13D	3200	Clear
BTR	30533-4	1000	1000T7Q/4CL/2P	120	Med. Pf.	4 ½		2 ¾	28,500	250	C-13D	3200	Clear
CYV	31892-3	1000		120	Mog. Bipost	7 ¾		5	28,500	200	C-13D	3200	Clear
CYX	31893-1	2000		120	Mog. Bipost	8 ½		5	59,000	300	C-13D	3200	Clear
DPY	31922-8	5000		120	Mog. Bipost	11		6 ½	143,000	500	C-13D	3200	Clear
DTY	32646-2	10000		120	Mog. Bipost	15 ¾		10	285,000	300	C-13	3200	Clear
DWT	38295-2	1000	1000T6Q/CL	120	RX7s	5 ¾	1		23,400	2000	CC-8	3000	Clear
DWZ	31750-3	375		30	RX7s	3 ¾			7800	1000	CC-8	2900	Clear
DXW	31219-9	1000	1000T5Q/CL	120	RX7s	3 ¾			28,000	150	CC-8	3200	Clear
DYS/DYV/BHC	31639-8	600		120	2-Pin Pf.	2 ½		1 ¾	17,000	75	CC-6	3200	Clear
EGE	39069-0	500		120	Med. Pf.	5 ½		3 ½	10,450	2000	CC-8	3000	Clear
EGG	39067-4	750		120	Med. Pf.	6		3 ½	15,000	2000	CC-8	3000	Clear
EGJ	39068-2	1000		120	Med. Pf.	6		3 ½	27,500	400	CC-8	3200	Clear
EGR	22563-1	750		120	Med. Bipost	5 ½		2 ½	21,000	150	C-13D	3200	Clear
EGT	31896-4	1000		120	Med. Bipost	5 ½		2 ½	28,500	250	C-13D	3200	Clear
EHD	26971-2	500	500Q/CL	120	Med. 2-Pin	3 ¾		2 ¾	10,600	2000	CC-8	3000	Clear
EHG	26972-0	750	750Q/CL	120	Med. 2-Pin	4 ¼		2 ¾	15,000	2000	CC-8	3000	Clear
EHT	37857-0	250	250Q/CL	120	Mini-Can	3 ½		1 ¾	5000	2000	CC-8	3000	Clear
ESN	30759-5	100	100Q/CL	120	Mini-Can	2 ¾		1 ¾	1900	1000	CC-2V	3000	Clear
ESS	31584-6	250	250Q/CL/DC	120	D.C. Bay	3		1 ¾	5000	2000	CC-8	3000	Clear
ETC	26676-7	150	150QCL/DC	120	D.C. Bay	2 ¾		1 ½	2800	200	CC-8	2900	Clear
ETF	29850-5	150	150Q/DC	120	D.C. Bay	2 ¾		1 ½	2700	2000	CC-8	2900	Frosted
ETG	34754-2	150	150Q/CL	120	Mini-Can	3		1 ½	2800	2000	CC-8	2900	Clear
ETG	34754-2	150	150Q/CL	120	Mini-Can	3		1 ½	2800	2000	CC-8	2900	Clear
ETH	29856-2	150	150Q	120	Mini-Can	3		1 ½	2700	2000	C-8	2900	Frosted
EVR	38079-0	500	500Q/CL	120	Mini-Cam	3 ¾		2	10,000	2000	CC-8	3000	Clear
FAL	23976-4	420	420T6QCL	120	RX7s	2.63			11,000	75	CC-8	3200	Clear
FCL	20010-5	500	500T3Q/CL	120	RX7s	4 1/16			10,500	2600	C-8	3000	Clear
FCM	33269-2	1000	1000T3Q/CL	120	RX7s	4 1/16		2 ½	28,000	300	C-8	3200	Clear
FEL	26979-5	1000	1000Q/CL	120	Med. 2-Pin	4		2 ¾	27,500	300	CC-8	3200	Clear
FER/EHS	31240-5	1000	1000T6Q/4CL	120	RX7s	5 ¾			27,500	500	CC-8	3200	Clear
FER/EHS	31240-5	1000	1000T6Q/4CL	120	RX7s	5 ¾			27,500	500	CC-8	3200	Clear
FEV	31904-6	200	200Q/CL/DC	120	D.C. Bay	2 ½		1 ¾	5500	50	CC-2V	3200	Clear
FEY	31916-0	2000	2000T8Q/CL	120	RX7s	5 ¾			57,000	400	CC-8	3200	Clear
FFM	44235-0	420	420T6Q/CL	120	RX7s	3 ¾			11,000	75	CC-8	3200	Clear
FFN	34350-9	1000	1000PAR64QVNSP	120	Ext. Mog. End	6			400,000	800		3200	Clear
FFP	34351-7	1000	1000PAR64QNSP	120	Ext. Mog. End	6			330,000	800		3200	Clear
FFR	34352-5	1000	1000PAR64QMFL	120	Ext. Mog. End	6			125,000	800		3200	Clear
FFS	34353-3	1000	1000PAR64QWFL	120	Ext. Mog. End	6			40,000	800		3200	Clear
FFT	39070-8	1000	1000T4Q	120	RX7s	6 ¾		2.56	27,000	300	C-8	3200	Clear
FHM	26130-5	1000	1000T3Q	120	RX7s	4 1/16			27,300	400	C-8	3200	Frosted
FLK	24861-7	575		115	G9.5	4		2 ¾	16,500	300	CC-8	3200	Clear
FRK	39168-0	650	6638P	120	GY 9.5	1 ¾			17,500	200	C-13D	3200	Clear
GAC	23667-9	1000	6995I/BP 120V 1000W	120	2-Pin Pf.	3 ¾		1.8	27,000	250	C-13D	3200	Clear
GAE	25816-0	2000	6994M/BP	120	Med. Bipost	5 ¾		2.5	55,000	500	C-13D	3200	Clear
GCX	258590	500	6986P (JPD 120-500C-BP)	120	GY 9.5	1 ¾			13,200	120	CC-6	3200	Clear
GCY	280727	500	6986P (JPD 230-500C-BP)	230	GY 9.5	1 ¾			11,500	150	2-CC-6	3150	Clear

For the most current product information, go to www.nam.lighting.philips.com/us/catalog/

Stage/Studio/TV Lamps, continued

ANSI Code	Product Number	Watts	Description	Volts	Base	MOL (In.)	LL (In.)	LCL (In.)	Mean Lumens	Rated Avg. Life (Hrs.)	Filament	Color Temp. (K)	Envelope Finish
GKV	36372-1	575	6986P	230	G9.5	4 ½		2 ¾	15,000	400	C-13D	3200	Clear
GLA	29432-2	575	6992P	115	G9.5	3.97		2 ¾	13,000	1500	C-13D	3100	Clear
GLB	36373-9	575	6999P	230	G9.5	4.33		2 ¾	13,000	1500	C-13D	3100	Clear
GLC	28739-1	575	6989P	115	G9.5	3.97		2 ¾	15,500	400	C-13D	3200	Clear
HPL575	39170-6	575	7007	115	Special			2 ¾	16,520	300	4-C8	3250	Clear
HPL575LL	39167-2	575	7007 LL	115	Special			2 ¾	12,360	2000	4-C8	3050	Clear
HPL750	391714	750	7008	115	Special			2 ¾	21,900	300	4-C8	3250	Clear
	22886-6	250	250Q/CL	130	Mini-Can	3 ½		1 ½	5000	2000	CC-8	3000	Clear
6980Z	32896-0	1200	6980Z	80	G 22			2 ½	37,500	300	C-13D	3300	Clear
7010	25702-2	300	7010	120	GX6.35	2 ½		1 ½	7500	150	M	3200	Clear
7002Y	382978	1000	7002Y (V*L 1000)	115	G22	2 ¾			29,000	250	Biplane	3200	Clear

High Volt SSTV Halogen Lamps

ANSI Code	Product Number	Watts	Description	Volts	Base	MOL (In.)	LL (In.)	LCL (In.)	Initial Lumens	Rated Avg. Life (Hrs.)	Filament ²	Color Temp. (K)	Burning Position	Std. Pkg. Qty.	LIF	Monoplane Equivalent LIF
Single-Ended																
—	25813-7	300	6872 P	230	GY9.5	3 ½		1 ¾	7800	180	M Shape	3200	Universal	10	CP/81	
GCV/GVH	25796-4	500	6820 P	230	GY9.5	3 ½		1 ¾	11,000	360	Biplane	3000	BDTH	10	T/25	T/18
FRH	25806-1	500	6873P	230	GY9.5	3 ½		1 ¾	13,500	180	M Shape	3200	Universal	10	CP/82	
GCK/GCT	25794-9	650	6823 P	230	GY9.5	3 ½		1 ¾	14,500	600	Biplane	3050	BDTH	10	T/27	T/26
—	25820-2	650	6993 Z	230	G22	5 ½		2 ½	132,500	120	C-13D	3200	BDTH	10	CP/68	CP/39
FVA	25819-4	1000	6995 P	230	GX9.5	4 ½		2.13	25,000	240	Biplane	3200	BDTH	10	CP/70	CP/24
FKD	25803-8	1000	6996 C	230	P28s	5		2.2	21,000	900	Biplane	3050	BDTH	10	T/20	T/14
FKK/FKP	25832-7	2000	6994Z	230	G38	8 ¼		5	50,000	480	Biplane	3200	BDTH	10	CP/73	CP/56, CP41
—	29093-2	5000	6963Z	230	G38	11.02		5	132,500	400	C-13D	3200	BDTH	1	CP/85	CP/29
Double-Ended																
—	36417-4	500	PF821 R	230	RX7s	5.31	3.03		11,000	75	CC-8	3200	Horizontal	10		
—	36418-2	500	PF821 R	240	RX7s	5 ½	3.03		11,000	75	CC-6	3200	Horizontal	10		
EME¹	31349-4	800	13477 R	230	RX7s	4 ¾	2 ½		21,600	150	S.C.	3200	Horiz. ±15°	10	P2/11	
DXX¹	25843-4	800	13162 R	230	RX7s	3	0.83	0.83	21,600	75	CC-8	3200	Horizontal	10	P2/13	
6358R	27493-6	1250	6358 R	230	RX7s	7 ½	2 ½		33,750	200	S.C.	3200	Horiz. ±15°	10	P2/12	

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

MSR Lamps Single-Ended Gas Discharge

Description	Product Number	Watts	Lamp Voltage	Lamp Current (Amps)	Initial Lumens	Rated Avg. Life (Hrs.) ¹	Arc Length (mm)	CRI	Color Temp. (K)	Base
Hot Restrike²										
MSR 125 HR	35468-8	125	80	1.6	9400	200	4		6000	GZX9.5
MSR 200 HR	32466-5	200	70	3.3	15,000	200	5	92	6000	GZY9.5
MSR 400 HR	20477-6	400	70	6.9	32,000	750	6	95	6000	GZZ9.5
MSR 575 HR	31160-5	575	95	6.95	49,000	2000	7	95	6000	G 22
MSR 1200 HR	30270-3	1200	100	13.8	110,000	1000	10	95	6000	G 38
MSR 1200 HR/C	36041-2	1200	100	13.8	110,000	1000	10	95	6000	Special
MSR 2500 HR	30265-3	2500	115	25.6	240,000	500	14	95	6000	G 38
MSR 4000 HR	33579-4	4000	200	24	380,000	500	20	95	6000	G 38
MSR 6000 HR	36042-0	6000	125	55	570,000	500	24	95	6000	GY 38
MSR 12,000 HR	38280-4	12,000	160	86	1,200,000	300	30	95	6000	GY 38
Standard										
MSR 400	30268-7	400	70	6.9	32,000	1000	6	92	5900	GX 9.5
MSR 575/2	24528-2	575	95	6.95	49,000	1000	7	80	7200	GX 9.5
MSR700/2	28723-5	700	72	11	55,000	1000	8	80	7200	G 22/28x42
MSR 1200	30266-1	1200	100	13.8	110,000	800	10	95	5900	G 22/30x53
MSR 1200/2	28695-5	1200	90	13.8	110,000	800	10	85	7200	G 22/30x53
Short Arc										
MSR 400 SA	35365-6	400	54	8.4	30,000	750	3	92	5500	GY 9.5
MSR 700 SA	28718-5	700	72	11	45,000	750	4	80	5600	GY 9.5
MSR 1200 SA	29135-1	1200	100	13.8	96,000	750	7	80	5600	GY 22
MSR 2000 SA	38281-2	2000	20	20	155,000	750	7	80	6000	GY 22

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.

For the most current product information, go to www.nam.lighting.philips.com/us/ecatalog/



MSD Lamps

Description	Product Number	Watts	Lamp Voltage	Lamp Current (Amps)	Initial Lumens	Rated Avg. Life (Hrs.) ¹	Arc Length (mm)	CRI	Color Temp. (K)	Base
MSD 200	34592-6	200	70	3.4	13,500	2000 ²	5	80	6000	GY 9.5
MSD 250	29152-6	250	90	3	17,000	3000	5	77	6700	GY 9.5
MSD 250/2	27721-0	250	90	3	17,000	3000	5	65	8500	GY 9.5
MSD 575	27479-5	575	95	6.95	45,000	3000	8	75	6000	GX 9.5
MSD 575 HR	391680	575	95	6.95	46,000	2000	8	75	6000	G 22
MSD 700	35364-9	700	72	11	55,000	3000	10	75	6000	G 22
MSD 1200	29134-4	1200	115	13.8	92,000	3000	14	95	6000	G 22

MHD Lamps

MHD 200	20985-8	200	63	4.5	12,500	2000	4.5	75	6600	Special Prefocus
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1) Based on cycle 3.5 hours on/0.5 hour off, nominal wattage. Shorter life at short cycle operation.
 2) Vertical burning position life is 750 hours.

Sealed Beam

ANSI Code	Product Number	Watts	Description	Volts	Base	Diameter		MOL		Lumens	Rated Avg. Life (Hrs.)	Color Temp. (K)	Burning Position	Beam Shape
						(In.)	(mm)	(In.)	(mm)					
—	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
—	27555-2	1000	1000PAR64Q/NSP	120	Ext. Mog. End	8	204	6	150	200,000	4000	3000	Universal	Narrow Spot
—	27556-0	1000	1000PAR64Q/MFL	120	Ext. Mog. End	8	204	6	150	80,000	4000	3000	Universal	Med. Flood
—	27558-6	1000	1000PAR64Q/WFL	120	Ext. Mog. End	8	204	6	150	31,000	4000	3000	Universal	Wide Flood
FFN	34350-9	1000	1000PAR64QVNSP	120	Ext. Mog. End	8	204	6	150	400,000	800	3200	Universal	Very Nar. Spot
FFP	34351-7	1000	1000PAR64QNSP	120	Ext. Mog. End	8	204	6	150	330,000	800	3200	Universal	Narrow Spot
FFR	34352-5	1000	1000PAR64QMFL	120	Ext. Mog. End	8	204	6	150	125,000	800	3200	Universal	Medium Flood
FFS	34353-3	1000	1000PAR64QWFL	120	Ext. Mog. End	8	204	6	150	40,000	800	3200	Universal	Wide Flood

MasterColor® CDM/SA (Short Arc)

ANSI Code	Product Number	Watts	Description	Volts	Base	MOL (In.)	LL (In.)	LCL (In.)	Mean Lumens	Rated Avg. Life (Hrs.)	CRI	Color Temp. (K)	Arc Gap (mm)
—	36039-6	150	CDM150SA/942	207	G12	5.71	—	2 ¼	12,900	6000	96	4200	6
—	38278-8	150	CDM-SA/R150942	207	Special	5 ¾	—	—	—	6000	96	4200	6

Micro Power Light (MPXL)

Product Number	Description	Type	Wattage	Life	Lumens	Color Temperature (K)	CRI	Burning Position	MOL (In.)
24958-1	MPXL DL35 50PK	DL35	35	5000	3600	4500	75	Horizontal ±10°	3
29001-5	MPXL DL50	DL50	50	3000	5300	3900	75	Horizontal ±10°	3
29468-6	MPXL RP50	RP50	35	5000	—	3900	75	Horizontal ±10°	2.6
29345-6	MPXL DUV	DUV	35	500	—	—	—	Horizontal ±10°	3

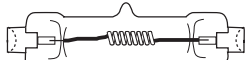
MSI Lamps

Product Number	Description	Watts	Lamp Current (Amps)	Initial Lumens	Rated Avg. Life (Hrs.)	Arc Length (mm)	Color Temperature (K)	MOL (mm)	Base	Burning Position
39072-4	MSI 575W	575	6.95	49,000	1000	7	5600	136	SFC10-4	Any
13091-4	MSI 1200W/S	1200	13.2	110,000	750	7	6000	136	SFC10-4	Any
39073-2	MSI 1200W	1200	13.8	110,000	1000	10	5600	220	SFC15.5-6	Any
39074-0	MSI 2500W	2500	25.6	240,000	600	20	5600	355	SFA21-12	Horiz. ± 30°
39075-7	MSI 4000W	4000	24	410,000	600	34	6000	405	SFA21-12	Horiz. ± 15°
39076-5	MSI 6000W	6000	55	570,000	400	22	6000	450	S25.5X60	Horiz. ± 15°
39165-6	MSI 12000W	12000	82	1,100,000	300	32	6000	470	S25.5X60	Horiz. ± 15°

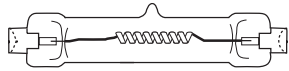
For the most current product information, go to www.nam.lighting.philips.com/us/ecatalog/

Bulb Shapes and Base Types (Not Actual Sizes)

Double-Ended Tungsten Halogen Lamps
3 1/8, 3 3/4, 4 3/8, 4 1 1/16, 5 5/8 and 6 5/8 MOL
RX7s Base



DWY, DWZ, DXN, DXW, FBY

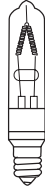


DWT, FER/EHS, FEY

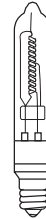


EHM, EHZ, EJG, FCL, FCM, FFT, FHM

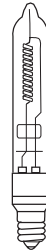
Mini-Can Base Single-Ended
Tungsten Halogen Lamps



ESN
ETH

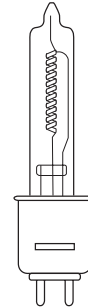


EHT
250Q/CL

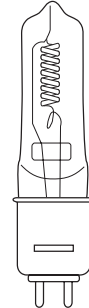


EVR

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

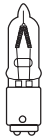


EHD
500Q/CL

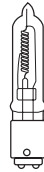


EHG
FEL

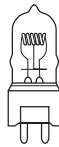
Double Contact Bayonet Bases (BA 15d)
Tungsten Halogen-Miniature Two-Pin Base (G5.3)
Tungsten Halogen-Two-Pin Prefocus Base (GZ 9.5)



FEV
150/DC

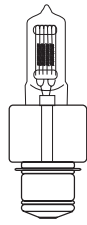


ESS
500Q/CL/DC

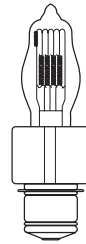


DYS/DYV/BHC
(GZ9.5)

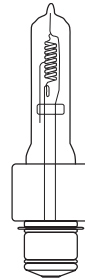
Medium Prefocus Lamps With 23/16" L.C.L. (P28s)
Medium Prefocus Lamps With 31/2" L.C.L. (P28s)



BTL

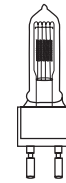


BTP
BTR

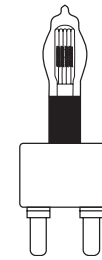


EGE, EGF,
EGG, EGJ

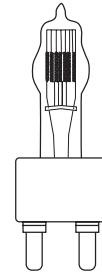
Medium Bipost Lamps With 21/2" L.C.L. (G 22)
Mogul Bipost Lamps With 5" And 61/2" L.C.L. (G 38)



EGR
EGT

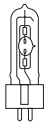


CYV



CYX
FKK (5" LCL)

MSR Lamps
(Medium Source Rare Earth Lamps)



MSR 400



MSR 700

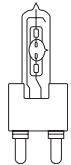


MSR 1200

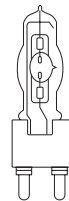
MSR/HR Lamps (Medium Source Rare Earth
Lamps Hot Restrike Version)



MSR
575/HR

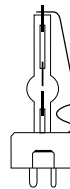


MSR
1200/HR



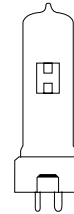
MSR
2500/HR

MSR Short
Arc Lamps



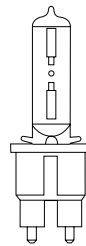
MSR
400W SA

MSD Lamps



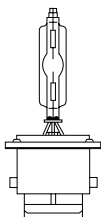
MSD
200W/2

MHD Lamps

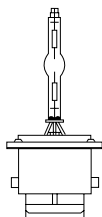


MHD
200

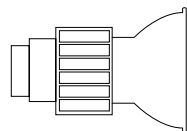
Micro Power Light (MPXL)



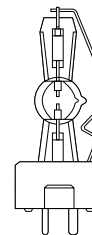
MPXL DL-35W
MPXL DL-50W



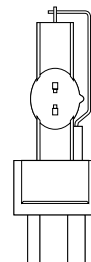
DUV-35W



MPXL RP50



MSR 400 SA/MSR 700 SA



MSR 1200 SA/MSR 2000 SA

SPECIALTY LAMPS

Short Arc Lamps

Product Number	Description	Nominal Watts	Volts	Lumens	Base	LCL (In.)	MOL (In.)	Fig. No.
31644-8	★SAH250B D.C. Operation Only ¹	250	42	10,000	Med. Pf.	2.8	6	—

¹) Should be operated on a control circuit which supplies direct current to the lamp.

★ Heat resisting glass bulb.

Medium Pressure Metal Halide Lamps

Product Number	Description	Nominal Wattage	Lamp Voltage	Nominal Length (mm)	Diameter (mm)	Fig. No.
44431-5	HPM 10/B	400	125	112	17	1-S
30832-0	HPM 12	460	120	98	21	2-S
44440-6	HPM 13	1000	125	147	27	1-S
44323-3	HPM 14	1200	525	200	17.5	2-S
30831-2	HPM 15	800-1950	240	203	32	2-S
30829-6	HPM 17	2000	243	175	27	2-S
30828-8	HPM 19	2000	200	179	27	2-S
30827-0	HPM 20	2900	350	236	27	1-S
44439-8	HPM 20C	2900	350	210	27	2-S
44448-9	HPA 400S	400	125	118	18	3-S

Low Pressure Pulsed Xenon Discharge Lamps

Product Number	Description	Nominal Wattage	Lamp Voltage	Maximum Length (mm)	Width or Diameter (mm)	Height (mm)	Fig. No.
30750-4	XOP 7 O/F	750	52	241	16.2	—	8-S
30749-6	XOP 15 O/F	1500	105	395	16.2	—	8-S

Fluorescent Lamps with Super Actinic Radiation

Product Number	Description	Nominal Wattage	Nominal Current (Amps)	Diameter (mm)	Nominal Length (mm)	(In.)	Fig. No.
29747-3	TLD 15W/03	15	—	26	18	—	—
30800-7	TL20W/03	20	0.37	38	60	24	9-S
22341-2	TL30W/03	30	0.41	38	92	36	—
30807-2	TLK40W/03	40	0.86	38	61	24	9-S
30808-0	TLI40W/03	140	1.46	38	150	60	9-S

Fluorescent Lamps with Actinic Radiation

Product Number	Description	Nominal Wattage	Nominal Current (Amps)	Diameter (mm)	Nominal Length (mm)	(In.)	Fig. No.
30812-2	TLK40W/05	40	0.86	38	161	24	9-S

For the most current product information, go to www.nam.lighting.philips.com/us/ecatalog/

Black Light Lamps These lamps are not intended and should not be used for therapeutic or diagnostic purposes.

Product Number	Ordering Code	Nominal Lamp Watts	Description	Nominal Length (In.)	Bulb	Base	Average Life (Hrs.) ¹	UVA Watts	Fig. No.
35840-8	F4T5/BLB	4	Black Light-Integral Filter	6	T5	Min. Bipin	6000	0.5	11-S
35841-6	F6T5/BLB	6	Black Light-Integral Filter	9	T5	Min. Bipin	7500	0.9	11-S
11065-0	F8T5/BLB	8	Black Light-Integral Filter	12	T5	Min. Bipin	7500	1.2	11-S
31006-0	PL9W/10	9	Black Light	6 ½	PL-S	G23	10,000	1.9	16-S
20678-9	PL9W/08	9	Black Light-Integral Filter	6 ½	PL-S	G23	10,000	1.7	16-S
13036-9	F15T8/BL	15	Black Light	18	T8	Med. Bipin	7500	3.1	10-S
29271-4	F15T8/BLB	15	Black Light-Integral Filter	18	T8	Med. Bipin	7500	3.1	10-S
39151-6	F20T12/BLB	20	Black Light-Integral Filter	24	T12	Med. Bipin	9000	3.7	9-S
39152-4	F20BL	20	Black Light	24	T12	Med. Bipin	9000	3.7	9-S
26271-7	F30T8/BLB	30	Black Light-Integral Filter	36	T8	Med. Bipin	7500	6	10-S
39153-2	F40BL	40	Black Light	48	T12	Med. Bipin		9	9-S
39053-4	F40BLB	40	Black Light-Integral Filter	48	T12	Med. Bipin	20,000	9	9-S

1) Three or more hours per start.

Special Blue (Therapeutic) Lamps T12 Bipin

Product Number	Ordering Code	Nominal Lamp Watts	Description	Nominal Length (In.)	Average Life (Hrs.)	Approx. Initial Lumens	Design Lumens
31745-3	F20T12/BB	20	Special Blue	24	9000	200	180
20189-7	F40/BB	40	Special Blue	48	20,000	500	385

NOTE: Black Light and Special Blue Lamps are not designed for general illumination.

WARNING: Ultraviolet Radiation

Wear protective eyewear in occupational situations and in close proximity to these lamps. Failure to may result in severe burns and long-term injury to the eyes. Certain medications and chemicals may increase your sensitivity to ultraviolet radiation. Consult your physician. These lamps can be harmful to skin and eyes in situations where people are exposed for extended periods of time. Unshielded lamps should be installed at least 40 inches from people.

Germicidal Sterilamp® Tubes

Product Number	Description	Lamp Wattage ¹	UV-C Watts ²	Bulb	Base	Useful Life Hours ³	Nominal Length (In.)	Fig. No.
Hot Cathode								
36371-3	TUV4T5	4	0.9	T5	Min. Bipin	6000	6	12-S
24485-5	TUV6T5	6	1.5	T5	G5	8000	9	12-S
29930-5	TUV8T5	8	2.1	T5	Min. Bipin	8000	12 ⁴	12-S
30864-3	TUV15T8	15	4.7	T8	Med. Bipin	8000	18 ⁴	12-S
29268-0	TUV25T8	25	7	T8	Med. Bipin	8000	18 ⁴	12-S
36016-4	TUV30T8	30	11.2	T8	Med. Bipin	8000	36 ⁴	12-S
26269-1	TUV36W	36	15.3	T8	Med. Bipin	8000	48 ⁴	12-S
29090-8	TUV75WHO	75	26	T12	Med. Bipin	8000	48 ⁴	12-S
23596-0	TUV115W	115	38.8	T12	Med. Bipin	5000	48 ⁴	12-S
38186-3	TUV PL-S 5	5	0.18	PL-S	G23	8000	4	16-S
32512-6	PL-S9W/TUV	9	2.4	PL-S	G23	9000	6 ½	16-S
21064-1	PL-L18W/TUV	18	5.5	PL-L	2G11	9000	8 ½	15-S
13726-5	PL-L35W/TUV	35	11.0	PL-L	2G11	9000	8 ½	15-S
26585-0	PL-L36W/TUV	36	12	PL-L	2G11	9000	16 ¾	15-S
29464-5	PL-L55W/TUV	55	17	PL-L	2G11	9000	22 ½	15-S
13035-1	PL-L60W/TUV	60	17.5	PL-L	2G11	9000	16 ¾	15-S
13725-7	PL-L95W/TUV	95	32.0	PL-L	2G11	9000	22 ½	15-S
Slimline								
38542-7	TUV 11W	11	2.2	T5	2G11	8000	10	14-S
38541-9	TUV 16W	16	3.9	T5	2G11	8000	13	14-S
13341-3	TUV 25W	25		T5	4-Pin		20	14-S
29267-2	TUV36T5/SP	39 ⁵	15	T5	Single Pin	9000	34	13-S
36209-5	TUV36T5 4P SE	39 ⁵	15	T5	2G11	9000	34	14-S
29269-8	TUV64T5/SP	75	31	T5	Single Pin	9000	62	13-S
36217-8	TUV64T5 4P SE	75	31	T5	2G11	9000	62	14-S
13389-2	TUV36T5 HO 4P SE	75		T5	4-Pin	9000	34	14-S

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

2) 100 Hour

3) Lamp Life @ 85% UV-C Maintenance

4) Approximate overall length including two standard lamp holders.

5) 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.

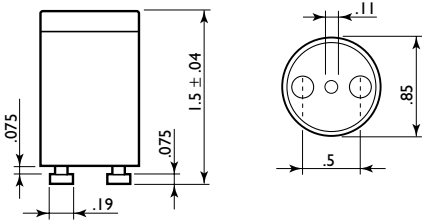
For the most current product information, go to www.nam.lighting.philips.com/us/ecatalog/

SPECIALTY LAMPS

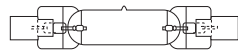
Starters

Product Number	Description	Circuit	Standard Package Quantity	Fluorescent Lamps
33118-1	S10 STARTER 25PK	Single 220-240V	25	4-85W
13367-2	Cleo Power Starter	Single 220-240V	500	100/180W

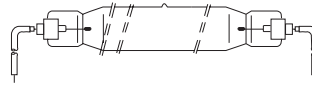
For the most current product information, go to www.nam.lighting.philips.com/us/catalog/



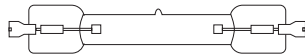
Specialty Bulb Shapes (Not Actual Sizes)



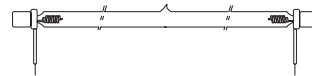
HPM 10/B, 13, 19, 20
Fig. 1-S



HPM 12, 14, 15, 17, 19, 20C,
Fig. 2-S



HPA 400S
Fig. 3-S



XOP 7, 15, 25, O/F
Fig. 8-S



T12 Medium Bipin
Figure 9-S



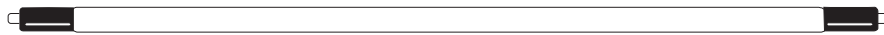
T8 Medium Bipin
Figure 10-S



T5 Miniature Bipin
Figure 11-S



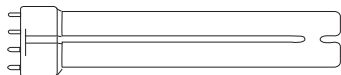
Hot Cathode Sterilamp
Figure 12-S



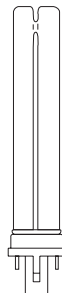
Cold Cathode and Slimline Sterilamp
Figure 13-S



Slimline Sterilamp
Figure 14-S



PL-L
Figure 15-S



PL-S
Figure 16-S

Quartz Infrared Heat Lamps

Watts	Product Number	Description	Volts	Bulb	Base	Pkg. Qty.	Finish	Filament	LL		MOL		Rated Avg. Life (Hrs.)	Diam. (mm)	W/cm	Color Temp. (K)	Burning Position	Fig. No.
									(In.)	(mm)	(In.)	(mm)						
200	36043-8	13912R	230	T-3	RX7s	10	Clear	C-8	4.7	120	7.4	189	5000	11	16.7	2300	Universal	2
375	20997-3	375T3/7	120	T-3	RX7s	10	Trans.	C-8	5	127	8.6	217.6	5000	11	29.5	2450	Universal	2
500	21651-5	500T3	120	T-3	U	10	Trans.	C-8	5	127	8.8	223.8	5000	11	39.4	2450	Horiz.±15°	6
	20994-0	500T3/7	120	T-3	RX7s	10	Trans.	C-8	5	127	8.6	217.6	5000	11	39.4	2450	Horiz.±15°	2
	31203-3	13169X	120	T-3	X	10	Clear	C-8	5.6	142	9.5	241	5000	11	35.2	2450	Horiz.±15°	3
	31207-4	13169Y	120	T-3	Y	10	Clear	C-8	5.6	142	8.6	218	5000	11	30.3	2450	Horiz.±15°	7
	31205-8	13169X/98 (1)	120	T-3	X	10	Reflector	C-8	5.6	142	9.5	241	5000	11	35.2	2450	Horiz.±15°	3
800	21680-4	800T3	120	T-3	U	10	Trans.	C-8	8	203	12	303	5000	11	39.4	2450	Horiz.±15°	6
1000	20995-7	1000T3	240	T-3	U	10	Trans.	C-8	10	254	13.8	350.8	5000	11	39.4	2450	Horiz.±15°	6
	21000-5	1000T3/CL	240	T-3	U	10	Clear	C-8	10	254	13.8	350.8	5000	11	39.4	2450	Horiz.±15°	6
	31213-2	13195X	235	T-3	X	10	Clear	C-8	10.7	272	14.6	370	5000	11	36.8	2450	Horiz.±15°	3
	31225-6	13195Y	235	T-3	Y	10	Clear	C-8	10.7	272	13.7	348	5000	11	36.8	2450	Horiz.±15°	7
	31267-8	13713Z/98 (1)	235	T-3	Z	10	Reflector	C-8	10.7	272	14	357.5	5000	11	36.8	2450	Horiz.±15°	4
	31260-3	13713X	235	T-3	X	10	Clear	C-8	10.7	272	14.6	370	5000	11	36.8	2450	Horiz.±15°	3
	31216-5	13195X/98 (1)	235	T-3	X	10	Reflector	C-8	10.7	272	14.1	360	5000	11	36.8	2450	Horiz.±15°	3
	29105-4	6990P	120	T6	G9.5	10	Clear	CC-8	1.375	60.3	4	101	300	20		2450	Universal	9
	29107-0	6990P Long Life	120	T6	G9.5	10	Clear	CC-8	1.375	60.3	4	101	450	20		3100	Universal	9
1200	28853-0	13561Y/00	144	T-3	Y	10	Clear	C-8	6.1	155	9	228	5000	11	77.4	2450	Horiz.±15°	1
	27063-7	13561Y/98 (1)	144	T-3	Y	10	Reflector	C-8	6.1	155	9	228	5000	11	77.4	2400	Horiz.±15°	1
1600	21676-2	1600T3	208	T-3	U	10	Trans.	C-8	16	406	19.8	503	5000	11	39.4	2450	Horiz.±15°	6
	20996-5	1600T3	240	T-3	U	10	Trans.	C-8	16	406	19.8	503	5000	11	39.4	2450	Horiz.±15°	6
	21590-5	1600T3	277	T-3	U	10	Trans.	C-8	16	406	19.8	503	5000	11	39.4	2450	Horiz.±15°	6
	21003-9	1600T3/7	240	T-3	RX7s	10	Trans.	C-8	16	406	19.6	498.5	5000	11	39.4	2450	Horiz.±15°	2
	21678-8	1600T3/CL	240	T-3	U	10	Clear	C-8	16	406	19.8	503	5000	11	39.4	2450	Horiz.±15°	6
	28875-3	13568Y/00	144	T-3	Y	10	Clear	C-8	6.1	155	9	228	5000	11	103.2	2450	Horiz.±15°	1
	27062-9	13568Y/98 (1, 2)	144	T-3	Y	10	Reflector	C-8	6.1	155	9	228	5000	11	103.2	2500	Horiz.±15°	1
	28378-8	1600T3/CL	277	T-3	U	10	Clear	C-8	16	406	19.8	503	5000	11	39.4	2500	Horiz.±15°	6
2000	31198-5	13168X	235	T-3	X	10	Clear	C-8	11.1	282	14.6	370	5000	11	71.4	2450	Horiz.±15°	3
	31200-9	13168Z/98 (1)	235	T-3	Z	10	Reflector	C-8	11	280	14	357.5	5000	11	71.4	2450	Horiz.±15°	4
	21169-8	13213Y/00	235	T-3	Y	10	Clear	C-8	11	280	14	357.5	5000	11	71.4	2450	Horiz.±15°	1
	31252-0	13245X/98 (1)	400	T-3	X	10	Reflector	C-8	16.2	410	20	508	5000	11	48.8	2450	Horiz.±15°	3
	31269-4	13765X	400	T-3	X	10	Clear	C-8	16.2	410	20	508	5000	11	48.8	2450	Horiz.±15°	3
	26665-0	14103Z/98 (1)	235	T-3	SK15	10	Reflector	C-8	11	280	14.1	360	5000	11	71.4	2450	Horiz.±15°	5
	21592-1	2000T3/ICL/HT	240	T-3	U	10	Clear	C-8	10	254	12	303	5000	11	78.8	2500	Horiz.±15°	6
	21648-1	2000T3/ICL	240	T-3	U	10	Clear	C-8	10	254	12	303	5000	11	78.8	2450	Universal	6
	36855-5	13765X/98	400	T-3	X	10	Reflector	C-8	16.1	410	20	508	5000	11	48.8	2450	Universal	3
	35703-8	13168V	240	T-3	V	10	Clear	C-8	11	280	13.8	350	5000	11	71.4	2450	Horiz.±15°	8
	37811-7	13213Z/98	235	T-3	Z	10	Reflector	C-8	11	280	14.1	358	5000	11	71.1	2450	Horiz.±15°	4
2500	20998-1	2500T3	480	T-3	U		Trans.	C-8	25	635	28.8	731	5000	11	39.4	2450	Horiz.±15°	6
	21689-5	2500T3/7	480	T-3	RX7s	10	Trans.	C-8	25	635	28.7	730	5000	11	39.4	2450	Horiz.±15°	2
	23874-1	2500T3/CL	480	T-3	U	10	Clear	C-8	25	635	28.8	731	5000	11	39.4	2450	Horiz.±15°	6
	28217-8	14120R	480	T-3	RX7s	10	Clear	C-8	25	635	28.7	728	5000	11	39.4	2450	Horiz.±15°	2
3000	31244-7	13230X	400	T-3	X	10	Clear	C-8	27.6	700	31.4	798	5000	11	42.9	2450	Universal	3
	23648-9	13230X/98 (1)	400	T-3	X	10	Reflector	C-8	27.6	700	31.4	798	5000	11	42.9	2450	Horiz.±15°	3
3200	25435-9	3200T3/CL	240	T-3	U	10	Clear	C-8	32.1	815	41.8	1062	5000	11	39.3	2450	Horiz.±15°	6
3800	22128-3	3800T3	575	T-3	U	6	Trans.	C-8	38	965	41.8	1062	5000	11	39.4	2450	Horiz.±15°	6
	22127-5	3800T3/CL	570	T-3	U	6	Clear	C-8	38	965	41.8	1062	5000	11	39.4	2450	Horiz.±15°	6
	22129-1	3800T3/CL/UB	575	T-3	U	6	Clear	C-8	38	965	41.8	1062	5000	11	39.4	2450	Vertical	6
5000	36845-6	5000T3/ICL/HT	600	T-3	U	6	Clear	C-8	25.1	638	28.8	731	5000	11	78.4	2450	Horiz.±15°	6
6000	29114-6	13170V	480	T-3	V	10	Clear	C-8	11.2	284	13.8	350	5000	11	211.3	2450	Horiz.±15°	8
	29123-7	13138V	480	T-3	V	10	Clear	C-8	9.3	236	12	303	5000	11	194.7	3000	Horiz.±15°	8
6850	29170-8	14118V	480	T-3	V	10	Clear	C-8	9.52	242	11.9	303	1000	11	28.3	3000	Horiz.±15°	8

1) Lamps have white reflective coating on bulb

2) Lamps have fork terminals

For the most current product information, go to www.nam.lighting.philips.com/us/ecatalog/

SPECIALTY LAMPS

HeLeN Quartz Infrared Heat Lamps

Infrared HeLeN glare reduction lamps have a gold coating which reduces visible glare and raises the infrared output when compared to existing zone ruby sleeve heating lamps. These lamps feature a substantially lower visible glare level than either ruby and neutral density zone heating lamps. They have a narrower diameter and better color rendering than ruby sleeve lamps

Watts	Product Number	Description	Volts	Bulb	Base	Pkg. Qty.	Finish	Filament	LL		MOL		Avg. Rated Life	Diam. (mm)	W/cm	Color Temp. (K)	Burning Position	Fig. No.
									(In.)	(mm)	(In.)	(mm)						
500	28836-5	I5018U	120	T-3	U	10	HeLeN	C-8	5	127	8.8	223.8	5000	11	39.4	N/A	Horiz±15°	6
1000	36516-3	I5024Z	120	T-3	SK15	10	HeLeN	C-8	11	280	14.1	360	5000	11	35.7	N/A	Horiz±15°	5
	28050-3	I5007Z	235	T-3	SK15	10	HeLeN	C-8	11	280	14.1	360	7000	11	35.7	N/A	Horiz±15°	5
	38175-6	I5019U	235	T-3	U	10	HeLeN	C-8	10.7	272	13.7	347	7000	11	36.8	N/A	Horiz±15°	6
	28925-6	I5019Z	235	T-3	SK15	10	HeLeN	C-8	11	280	14.1	360	7000	11	35.7	N/A	Horiz±15°	5
3000	249615	I5012U	235	T-3	U	10	HeLeN	C-8	16.3	413	19.9	504	5000	11	72.6	N/A	Universal	6

For the most current product information, go to www.nam.lighting.philips.com/us/catalog/

Tubular Quartz Infrared Bulb Shapes (Not Actual Sizes)

Tubular quartz infrared heat lamps are designed for service other than illumination. Unless otherwise noted,

1. Tubular quartz heat lamps should not be used in equipment where the seal temperatures exceed 350°F.
2. Operating position is HORIZONTAL.
3. RX7s Base = Recessed Single Contact

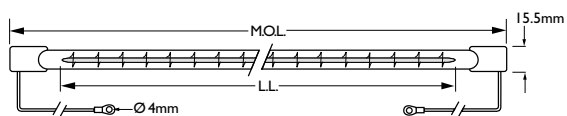


Fig. 1 (Y Base)
Leads Are Approximately 6"



Fig. 2 (RX7s Base)

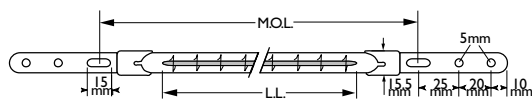


Fig. 3 (X Base)

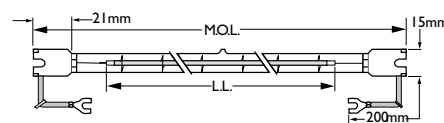


Fig. 4 (Z Base)

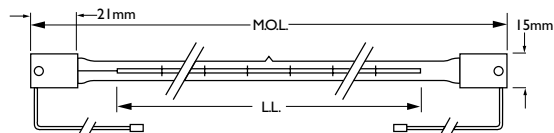


Fig. 5 (SK15 Base)
I3844Z/98—Lead is 15.7", I4103Z/98—Lead is 9"

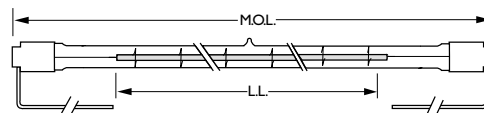


Fig. 6 (U Base)
Leads Are Approximately 6"



Fig. 7 (Y Base)
I3169Y—Lead is 6.3", I3195Y—Lead is 7.8"

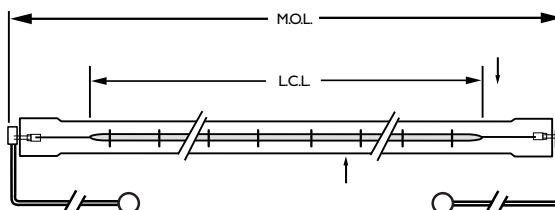


Figure 8 (V Base)
I3136V, I3170V, I3138V, I4118V lead is 1.5"
I3168V leads are 4.7" and 5.5"

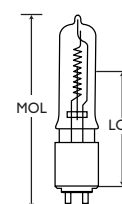


Fig. 9 (G9.5 Base)