

Product Guide

Analytical

Microscope

Ophthalmic

Dental

Ultraviolet

Surgical &
Endoscopic

Stage | Studio
TV | Photo | AV

Graphic Arts

General Lighting

Miniatures

Batteries

LONG ISLAND

MANHATTAN

CALIFORNIA

THE INTERNET

 **BULBTRONICS**
World Wide Supplier
Bulbs, Batteries & Lighting Products

1-800-654-8542

An Introduction to the Product Guide

For the first time in Bulbtronics' 27 year history, we have gathered information about our entire product line of bulbs, batteries and related lighting products in one place to help you identify the products you need. We've also included our Bulb Guide and Glossary of Lighting Terms for your reference.

This Guide represents products used in a multitude of applications across a wide variety of markets – medical, scientific, entertainment, industrial, graphic arts, transportation and general lighting.

How to Use This Guide

To help you in your search, this Product Guide is divided into sections. We recommend that you first review the Table of Contents and choose the section appropriate to your search.

When you turn to a section, review how it is set up. Each section is organized according to available information:

- **General Lighting:** A cross-reference table for Philips, GE and Sylvania bulbs
- **Miniatures:** Organized by ordering code, with volts, watts and size specifications
- **Surgical & Endoscopic; Dental; Ophthalmic:** Locate product by equipment manufacturer and model number
- **Microscope:** Find bulbs by equipment manufacturer and manufacturer's part number
- **Ultraviolet (Germicidal):** Organized by lamp type and specifications
- **Analytical:** Organized by equipment manufacturer and instrument model; Hollow Cathodes by elements
- **Stage, Studio, TV, Photo, AV:** This section has its own index which cross references ordering code with product specifications
- **Graphic Arts:** Locate product by manufacturer, model number and manufacturer number
- **Batteries:** Organized by chemistry with the addition of a manufacturer's cross reference

This Guide is a reference tool. Due to size constraints it does not include all products, images or pricing. For further information contact us via phone, fax or email.

We recommend that this Product Guide be used in conjunction with our eCommerce site, Bulbtronics.com, where you can view full color product images and line drawings, lists of specifications, price and availability. Find out about the benefits of ordering on-line @ Bulbtronics.com. See pages 28, 78, 86, 110, 172, 210, 211 and 213.

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Dear Valued Customer,

This new product guide format is the latest in our efforts to streamline the purchasing process for bulbs, batteries, sockets, fuses and related accessory items. We have combined most of our inventory items into a complete, indexed, easy-to-read format. We recommend that you use this product guide in conjunction with our eCommerce website, Bulbtronics.com, to quickly and efficiently search for the product and pricing information you need, and to facilitate the ordering process.

Our product guide and search engine are the continuation of a tradition of expert technical assistance and unparalleled customer service since 1976. As the country's leading independent distributor of specialty light sources and related products, we are proud to represent over 150 manufacturers from around the world.

As a single source for bulbs, batteries, sockets, fuses and related accessories, ordering from Bulbtronics is easy and productive. We accept orders by phone, fax, e-commerce and EDI. Bulbtronics also maintains three distribution centers to provide efficient on-time delivery for customers coast-to-coast and to customers all over the world.

This product guide contains most, but not all, of our product line. Bulbtronics constantly adds appropriate products to inventory to accommodate the markets we serve. If you do not see the item you need, call our toll free number (1-800-654-8542) or visit Bulbtronics.com. Our technical experts will do everything they can to source your requirements.

Serving you has been, and will continue to be, our business.

Thanks for choosing Bulbtronics,

Bruce R. Thaw

President and CEO

visit our website bulbtronics.com or call 1-800-654-8542

Bulb Guide



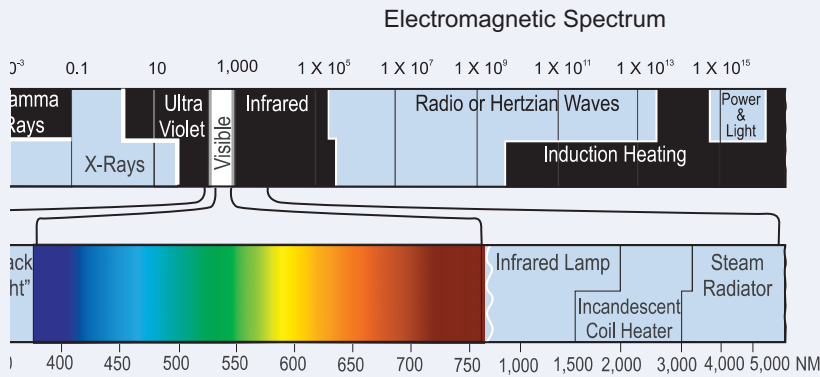
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Lights, Color and Kelvin Ratings...

Color temperature is a measurement of warmth or coolness of a light source.

When metal is heated, the color will change. As the metal heats the color will first appear as red and changes to orange, yellow, white, blue-white and then to deeper colors of blue. The temperature of the metal can be measured in degrees Kelvin, or absolute temperature.

The appearance of the sun as it rises is approximately 1800° Kelvin. As it climbs to the sky, it changes from red to orange to yellow and to white at noon, when it reaches 5000° Kelvin. It reverses the scale as it sets. Color temperature describes the warmth or coolness of a light source. Higher Kelvin ratings are “cool” and lower ratings are “warm.”

Color Rendition Index (CRI)

CRI is not a lamp’s exact spectrum, but an indication of it. Well-balanced, full spectrum lamps have higher CRI values. All CRI values are relative to sunlight which has a CRI of 100. A lamp with a high CRI (90+) displays objects nearly the same as if they were lit by sunlight.

Spectral Distribution

Visible light is a small part of the entire electromagnetic spectrum.

Radiant energy travels through space as electromagnetic waves.

These lengths of waves, or spectra of visible light, determine the color perceived by the eye and are indicated by nanometers (nm).

The human eye perceives wavelengths between 400 and 700 nm.

Below 400 nm - ultraviolet

Between 560 and 590 nm - yellow

Between 400 and 420 nm - violet

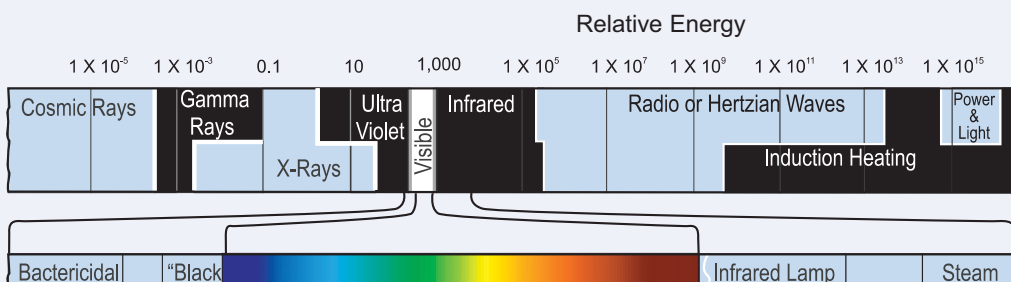
Between 590 and 630 nm - orange

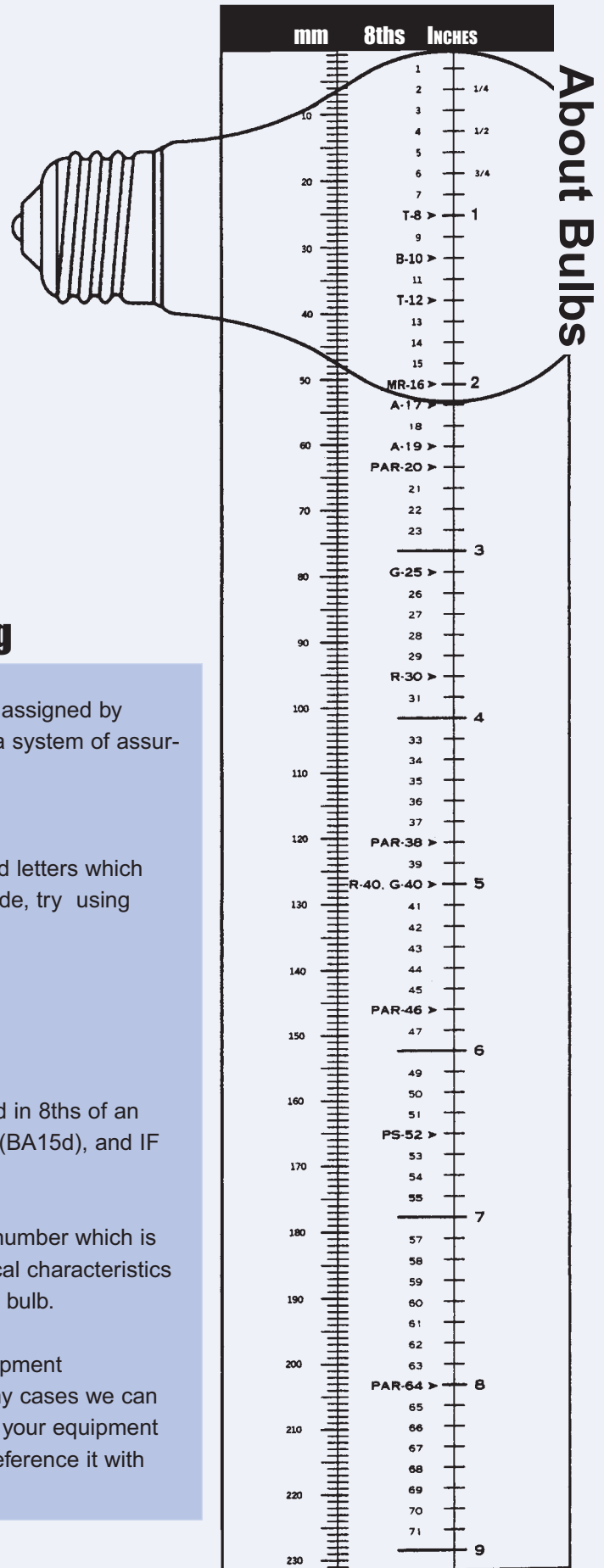
Between 420 and 490 nm - blue

From 630 and, to a bit above 700 nm, light appears red

Between 490 and 560 nm - green

Above 700 nm - infrared

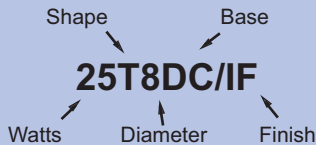




Helping You to Understand Lamp Codes in our Catalog

1- Some lamps are called “ANSI-coded” with a 3-letter code assigned by the American National Standards Institute. This provides a system of assuring physical, electrical and performance standards for interchangeability among brands.

2- Other lamps may consist of a combination of numbers and letters which can help you identify your bulb. To break down a lamp code, try using the following example:



This bulb is 25 watts, with a “T” (tubular) shape 1” (measured in 8ths of an inch) in diameter, with a DC (double contact) bayonet base (BA15d), and IF (Inside Frost) finish.

3- Miniature lamps are usually identified by a 2, 3 or 4 digit number which is similar to an ANSI code, because mechanical and electrical characteristics should be the same regardless of the manufacturer of the bulb.

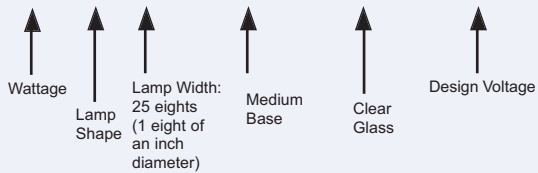
4- Not all lamps can be identified by one method. Many equipment manufactures will put their own code on lamp, but in many cases we can help identify your bulb. Call us with the bulb in your hand, your equipment brand and model number, and we may be able to cross-reference it with that information.

Incandescent Lamps

How to Read Incandescent Lamp Designation

Incandescent lamp designations follow a standard format to provide a complete description of the product. Where there is no information about the base or the voltage, a "medium" base and 120 volts are implied. The standard format is: **Wattage/Shape/Width/Base/Color/Voltage**.

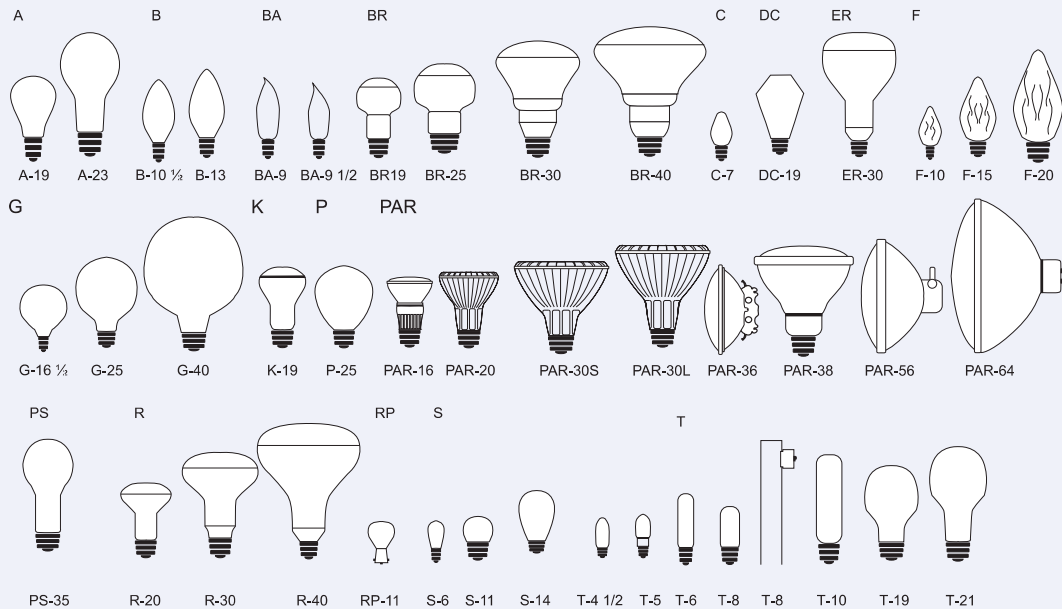
40 G 25 / MED / CL / 120V



When metal is heated, it glows and emits visible light. That's the principle behind incandescent lighting. Every incandescent lamp has a "bulb," a "base" and a filament." This diagram shows how lamps are designed and built.

- A Base**
- B Filament Stem Base**
- C Filament Stem**
- D Lamp Gases**
- E Filament Support**

Incandescent Lamps, Popular Shapes and Sizes

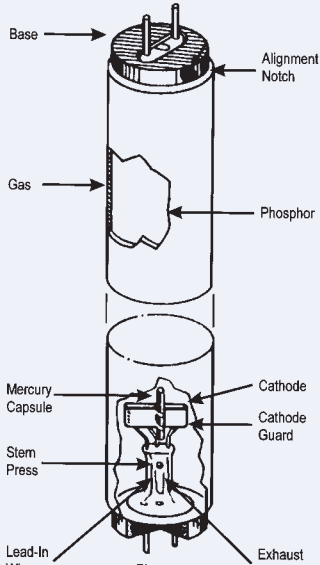


Incandescent lamps come in many shapes and sizes, which are designated by a letter (or letters) followed by a number. The letter indicates the bulb's shape and the number is the diameter of the bulb in eights of an inch. For example, "T-10" indicates a tubular bulb 1 1/4 inches in diameter (10/8=1 1/4").

Trade Name Cross Reference Guide (Incandescent Lamps)

Generic	Philips	General Electric	Osram/Sylvania
Plant Lamp	Argo-Lite	"Gro and Sho"	Spot-GRO
Bug Lamp	Bug-A-Way®	Bug-Lite	Bug-Lite
Colored Lamp	Colortone®	"Party Bulb"	No Trade Name
Energy Saving	Econ-o-Par or Econ-o-watt®	WATT-MISER or MISER	Energy Pincher or SuperSaver
Reflector Red Heat Lamp	Heat-Ray	No Trade Name	No Trade Name
Long Tubular Incandescent	Philinea	No Listing	Linestra
Double Reflector	Spotline™	No Listing	No Listing
Shatter Resistant	Silicone Coated	COV-R-GUARD	Safe Line
3000-3500 Hour	Industrial Service	Survivor	No Listing
2500 Hour	Extended Service	Extended Service	Excel-Line
Dichroic Reflector	Cool-Beam	Cool-Beam	Cool-Lux





Fluorescent lamps use about a fifth as much electricity as an incandescent lamp to produce the same amount of light.

A fluorescent lamp consists of a glass tube filled with low pressure gas and containing a small amount of mercury. This tube is coated with phosphors, and at each end there's an electrode, a coil of tungsten wire coated with rare earth oxides.

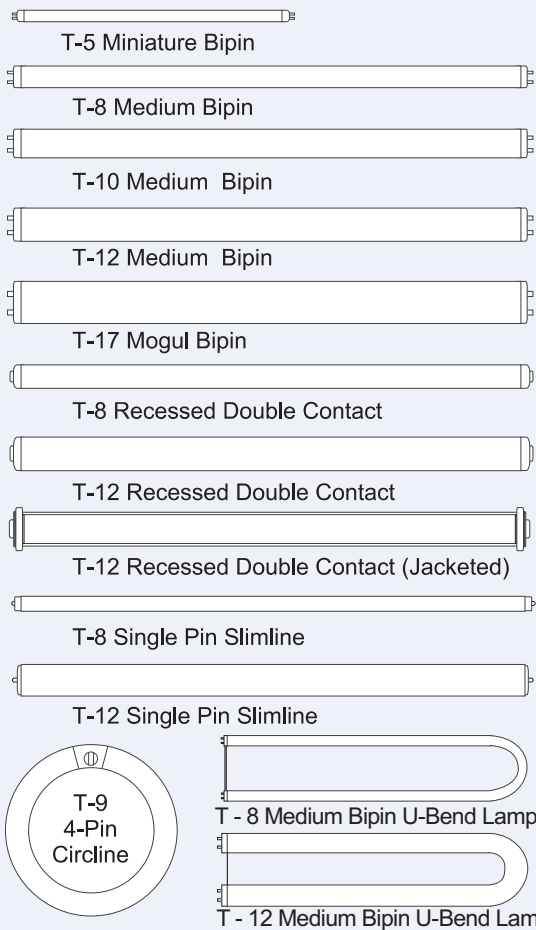
When the lamp is turned on; the electrodes warm up; then the rare earth oxides emit electrons, which ionize the gas. The ionized gas will conduct electricity; so current flows between the electrodes in an arc.



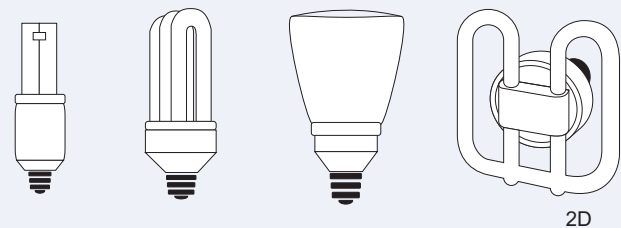
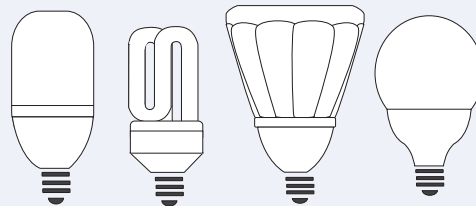
Fluorescent Lamps

Electrons in the arc stream strike and excite mercury atoms, causing them to emit ultraviolet rays that, in turn, cause the phosphor coating of the tube to produce visible light. The color of the light depends on the phosphors.

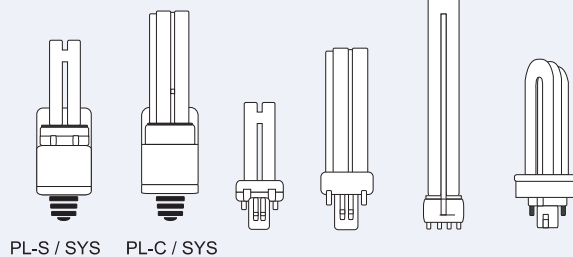
Fluorescent Lamps



Screw In Compact Fluorescents

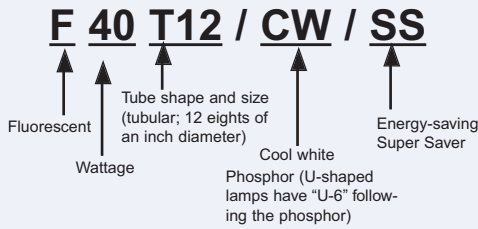


Compact Fluorescents

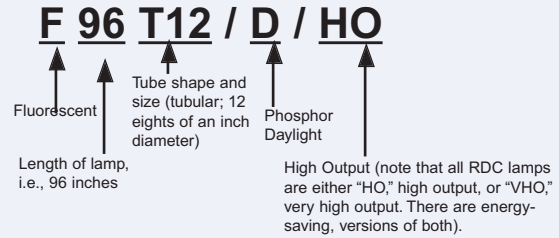


How to Read a Fluorescent Lamp Description

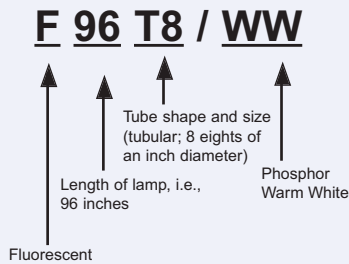
For a BiPin:



For a Recessed Double Contact (RDC):



For a Single Pin:



Color Temperature Applications

COLOR TEMP	WARM WHITE	NEUTRAL	COOL WHITE	NATURAL DAYLIGHT
KELVIN RANGE	3000k	3500k	4100k	5000k
ASSOCIATED EFFECTS AND MOODS	Friendly Intimate Personal Exclusive	Friendly Inviting Non-Threatening	Neat Clean Efficient	Bright Alert
APPROPRIATE APPLICATIONS	Restaurant Hotel lobbies Boutiques Libraries Office areas Retail stores Furniture stores	Public reception areas Showroom Bookstores Office Areas Furniture Stores	Office areas Conference rooms Classrooms Mass merchandisers Hospitals	Offices Galleries Museums Jewelry Stores Medical examination Extracting Coloration Printing companies

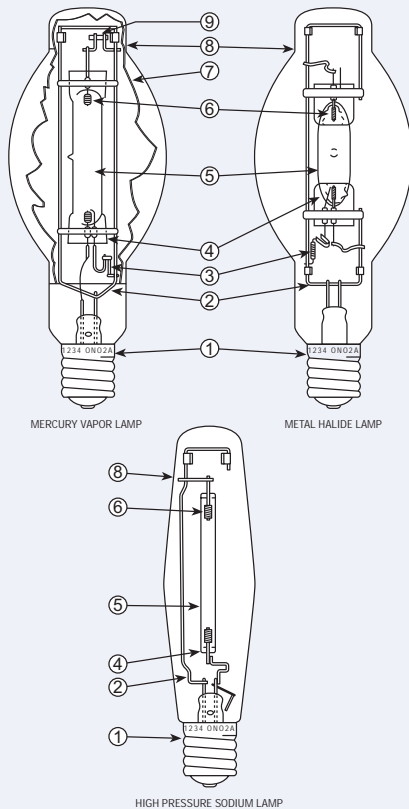
Light Source Color Chart

Fluorescent Color	Appearance	Color Temp.	Color Rendering Index, CRI
Cool White	Cool	4100K	62
Daylight	Cool	6500K	79
Warm White	Warm	3000K	53

Fluorescent Lamps

FLUORESCENT BRAND NAME CROSS-REFERENCE		
GE	OSRAM/SYLVANIA	PHILIPS
Aquarium/Terrarium	—	—
Chroma 50	Design 50®	Colortone 50
Cov-R-Guard™	—	—
Ecolux®	Ecologic	Alto
Ecolux® XL	—	—
Gro & Sho™/Plant & Aquarium	GRO-LUX®	Agro-Lite
Kitchen and Bath Ultra™	Interior Design® (D30)	Softone Pastel DL (SPEC 30)
Mod-U-Line®	Curvalume®	U-Bend
Power Groove®	—	—
Specification Series (SP)	Designer® Series (D)	SPEC Series
Specification Series (SPX)	Designer® "800" Series (D)	Ultralume™
Starcoat™	—	—
T8	Octron®	TL70/TL80™
T/10/1500MA	VHO/LT	—
/1500	VHO	VHO
Watt-Miser®	SuperSaver®	Econ-o-Watt
Watt-Miser® Plus	SuperSaver Plus®	—
XL	XP	Advantage
COMPACT FLUORESCENT BRAND NAME CROSS-REFERENCE		
GE	OSRAM/SYLVANIA	PHILIPS
2D®	—	—
Biax®	Dulux®S	PL-S
Double Biax®	Dulux®D,D/E	PL-C
Genura™	—	—
High Lumen Biax®	Dulux®L	PL-L
Quad Biax®	—	—
Triple Biax®	Dulux®T/E	PL-T

Compact Fluorescent Lamps



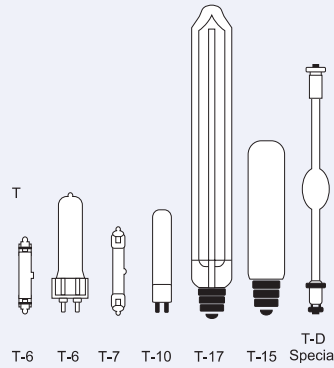
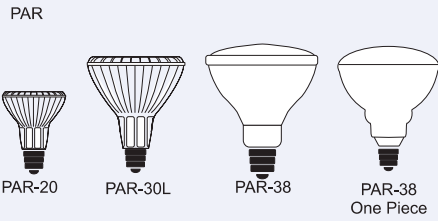
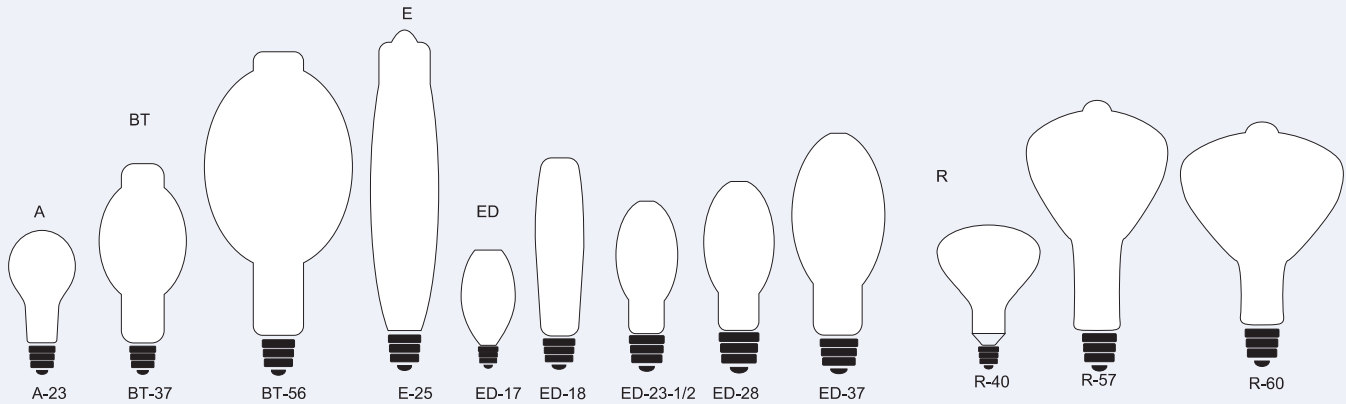
HID lamps work in a similar fashion to fluorescent lamps. Current flows between electrodes in an arc stream through a gas, causing it to give off light. Unlike fluorescent lamps, however, HID lamps are “point sources of light, and can be used in fixtures that provide for “optical control,” or focusing, of the light.

HID lamps have an inner bulb (the arc tube) and outer envelope that maintains an insulated atmosphere around the arc tube.

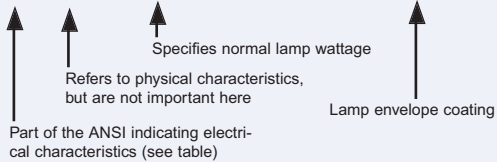
HID Lamp Operation and Construction

- 1 Base-** Date coded with ANSI designation.
- 2 Unitized Mount Frame-** Provides electrical connection and cushion support for the arc tube.
- 3 Starter Electrode/Resistor-** Designed and built to withstand shock, vibration, and high starting voltages. (Not required in HPS lamps).
- 4 Arc Tube Seal-** One piece, full press construction seals end of the arc tube, dissipates electrode heat, and lengthens lamp life.
- 5 Arc Tube-** The “light producing” component. Contains metallic and gas vapors, as well as electrode assemblies.
- 6 Backound Electrodes-** The key to lumen maintenance, reliable starting and full lamp life.
- 7 Phosphor Coating-** Used to improve color and reduce surface brightness.
- 8 Outer Envelope (Bulb)-** Hard glass withstands thermal shock caused by rain and snow.
- 9 Oxidizable Tungsten Fuse-** (mercury vapor lamps only) - Protective circuitry prevents operation in event of outer envelope failure.

High Intensity Discharge Lamps



H39KC - 175DELUXWHITE



Identifies this as a mercury vapor lamp (Hg is the chemical symbol for mercury). Symbols for other type HID Lamps are: "M" (metal halide), "L" or "C" (high pressure sodium), and NA (low pressure sodium).

Other Codes

/C

Phosphor coated metal halide

/DX

Indicates a phosphor-coated lamp

/U

"Universal" lamp can be burned in any orientation

/BD

"Base Down" lamp must be used in base-down orientation

/BU

"Base Up" lamp must be used in base-up orientation

Designation On Bulb	ANSI Designation	Lamp Type
H33	H33	400 W Merc. Vapor
H36	H36	1000 W- 265 Merc Vapor
H37	H37	250W Merc. Vapor
H39	H39	175W Merc. Vapor
MH or MV175	M57	175W Metal Halide
MH or MV250	M58	250W Metal Halide
MH or MV400	M59	400W Metal Halide
MH or MV1000	M47	1000W Metal Halide
LU or C250	S50	250W High Pressure Sodium
LU or C400	S51	400W High Pressure Sodium
LU or C1000	S52	1000W High Pressure Sodium
LU or C150/100	S56	150W-100V High Pressure Sodium
LU or C70	S62	70W High Pressure Sodium
ULX or SON-H/360	S64	360W Retrofit High Pressure Sodium
LU or C35	S76	35W High Pressure Sodium

Suggested Color Application for HID Lamps

CMH™: Stores, people places, display, accent.

MVR: Stores, public places, industrial, gymnasiums, floodlighting signs and buildings, parking areas, sports.

MVR/C: Same as MVR - warmer color - diffuse coating reduces glare.

MVR/SP30: Same as MVR - warmer than MVR or MVR/C- matches SP30 fluorescent.

MXR: Warm color (3200K) - good match for halogen.

LU: Street lighting, parking areas, industrial, floodlighting, security, CCTV.

LU/DX: Floodlighting, parking areas, indoor/outdoor pedestrian malls, industrial, security, roadway.

Deluxe (DX) Mercury: Stores, public spaces - Metal Halide Lamps however are preferred.

Clear Mercury: Landscape lighting, specialized floodlighting such as green copper roofs.



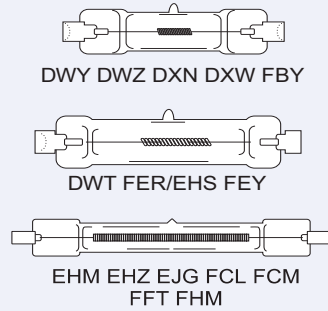
HID Brand Cross-Reference

GE	Osram/Sylvania	Philips
Arcstream™ MQI	BRITE-LINE™, HQI®	MHN-TD
ChromaFit™ Multi-Vapor®	----	----
ContantColor® CHM™ Ceramic Metal Halide	----	MasterColor™ CDM
Deluxe Lucalox®	----	Ceramalux™ Comfort
E-Z Lux®	Unalux®	Ceramalux™ RetroLux
E-Z Merc®	----	Self Ballasted Mercury
Ecolux® NC	LumaLux Plus™/ECO™	Cermalux Alto™
High Output Multi-Vapor®	Super Metalarc®	Metal Halide
Horizontal Multi-Vapor®	Super Metalarc®	----
I-Line Multi Vapor®	----	----
Lucalox®	Lumalox®	Ceramalux™
Multi-Vapor®	Metalarc®	Metal Halide
Protected High Output Multi-Vapor®	Metalarc® Pro-Tech™	----
PulseArc™	Super Metalarc® Pulse Start	Pulse Start
Saf-T-Gard Mercury	Mercury Safeline®	Safety Lifeguard Mercury
Saf-T-Gard Multi-Vapor®	Metalarc® Safeline®	Safety Lifeguard Metal Halide
SOX Low Pressure Sodium	SOX Low Pressure Sodium	SOX Low Pressure Sodium
Standby Longlife Lucalox®	Lumalux® Standby	Instant Restrike Cermalux™
Watt-Miser® Multi-Vapor®	----	----

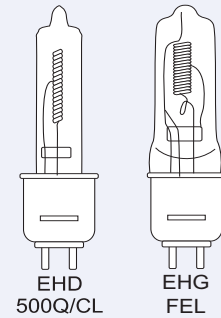
Projection Lamps are often identified by ANSI Codes

These are 3-Letter codes assigned by the American National Standards Institute. They provide a system of assuring mechanical and electrical interchangeability among similarly coded lamps from various manufacturers.

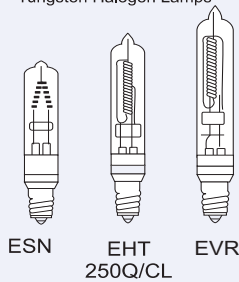
Double Ended Tungsten Halogen Lamps
3 1/8, 3 3/4, 4 3/8, 4 3/4, 4 11/16, 5 5/8, and 6 5/8 MOL R7s Base



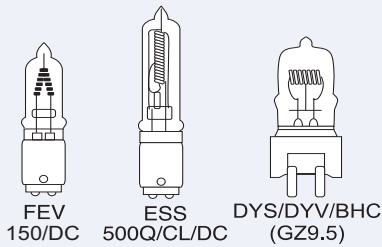
Medium Two Pin Tungsten Halogen Lamps (G,9,5)



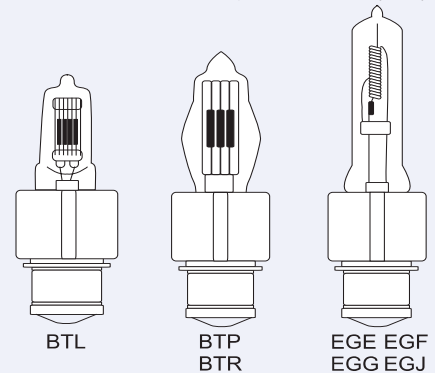
Mini-Can Base Single Ended Tungsten Halogen Lamps



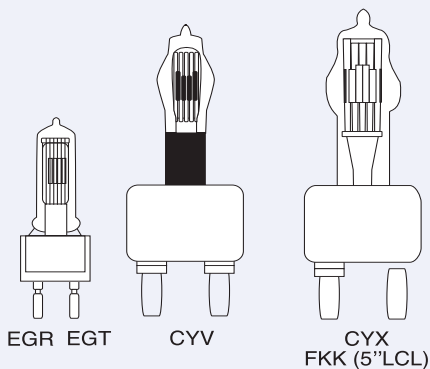
Double Contact Bayonet Bases (BA 15d)
Tungsten Halogen-Minature Two Pin Base (G5.3)
Tungsten Halogen-Two Pin Prefocus Base (GZ 9.5)



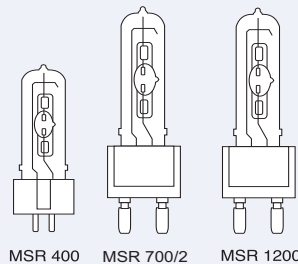
Medium Prefocus Lamps With 2 3/16" LCL (P28s)
Medium Prefocus Lamps With 3 1/2 LCL (P28s)



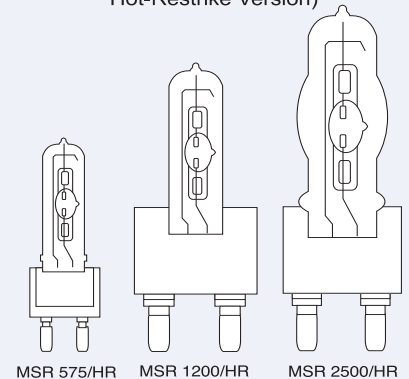
Medium Bipost Lamps with 2 1/2" LCL (G 22)
Mogul Bipost Lamps with 5" and 6 1/2" LCL (G 38)



MSR Lamps
(Medium Source
Rare Earth Lamps)

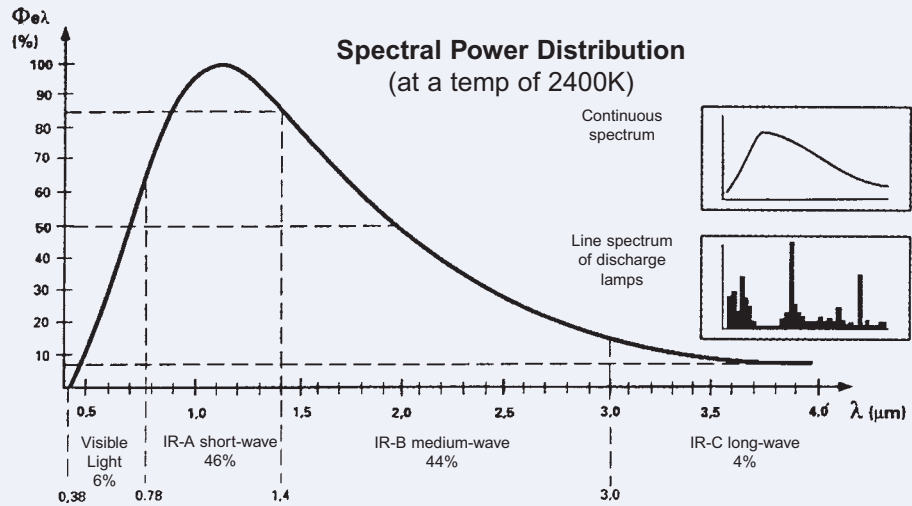


MSR/HR Lamps
(Medium Source
Rare Earth Lamps
Hot-Restrike Version)



Infrared Radiation

Electromagnetic energy radiated in the wavelength range of about 770 to 1106 nm. Energy in this range cannot be seen by the human eye, but can be sensed as heat by the skin.

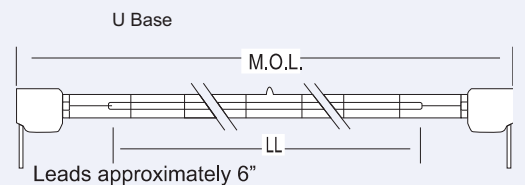
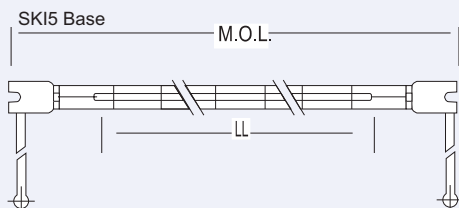
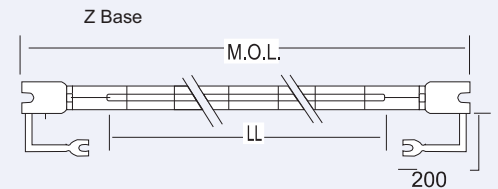
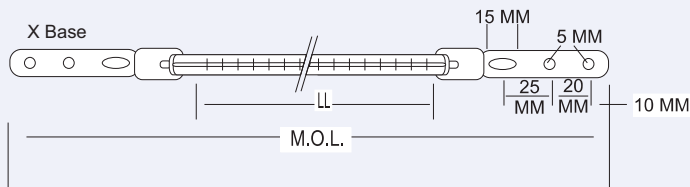
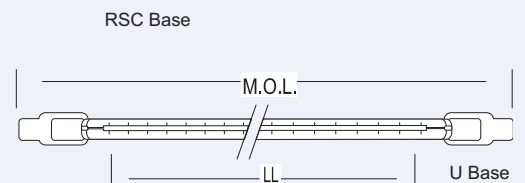
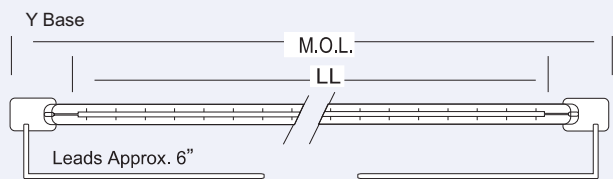


Tubular Quartz Infrared Lamps

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 650°F.
2. Operating position is HORIZONTAL.
3. R.S.C. Base = Recessed Single Contact.



Miniatures

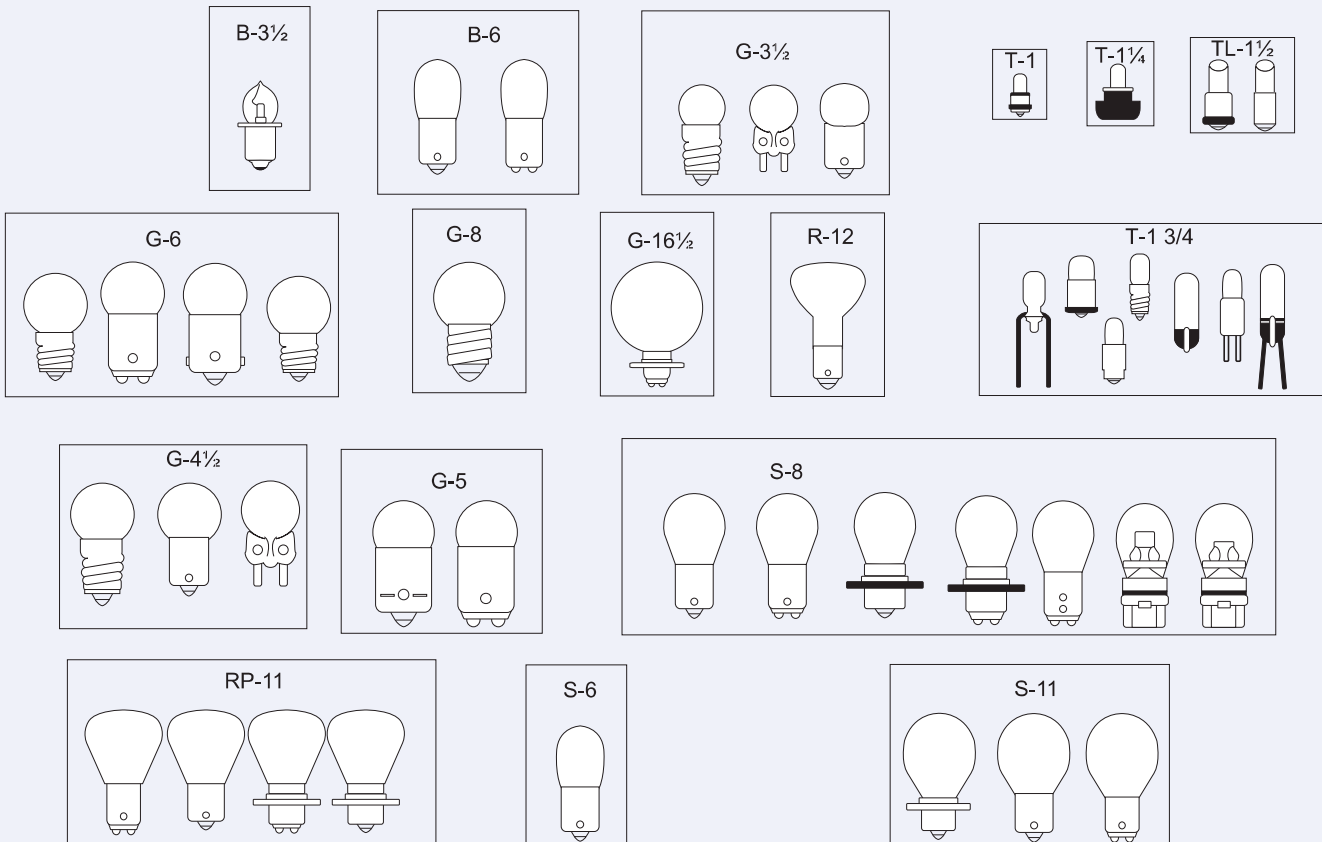
Miniature and Sealed Beam Lamps are designed for those applications requiring specific bulb size, base and voltage. These lamps are operated on vehicles (cars, truck, boats, aircraft, tractors) or in special applications utilizing low voltage sources. Most lamps are designated by common ANSI (American National Standards Institute). Lamp numbers and lamps in this section are arranged in numerical order. To assist you in identifying lamps, drawings, (not to scale) are provided, along with descriptions of bulb and base sizes.

Specific market segments covered in this section are products used in:

- Aircraft
- Garden/Outdoor
- Agriculture
- Indicator
- Automotive
- Marine
- CIM/Tractor
- Medical/Instruments
- Emergency Building Lighting
- Telephone
- Flashlight/Hand Lanterns
- Toys/Entertainment

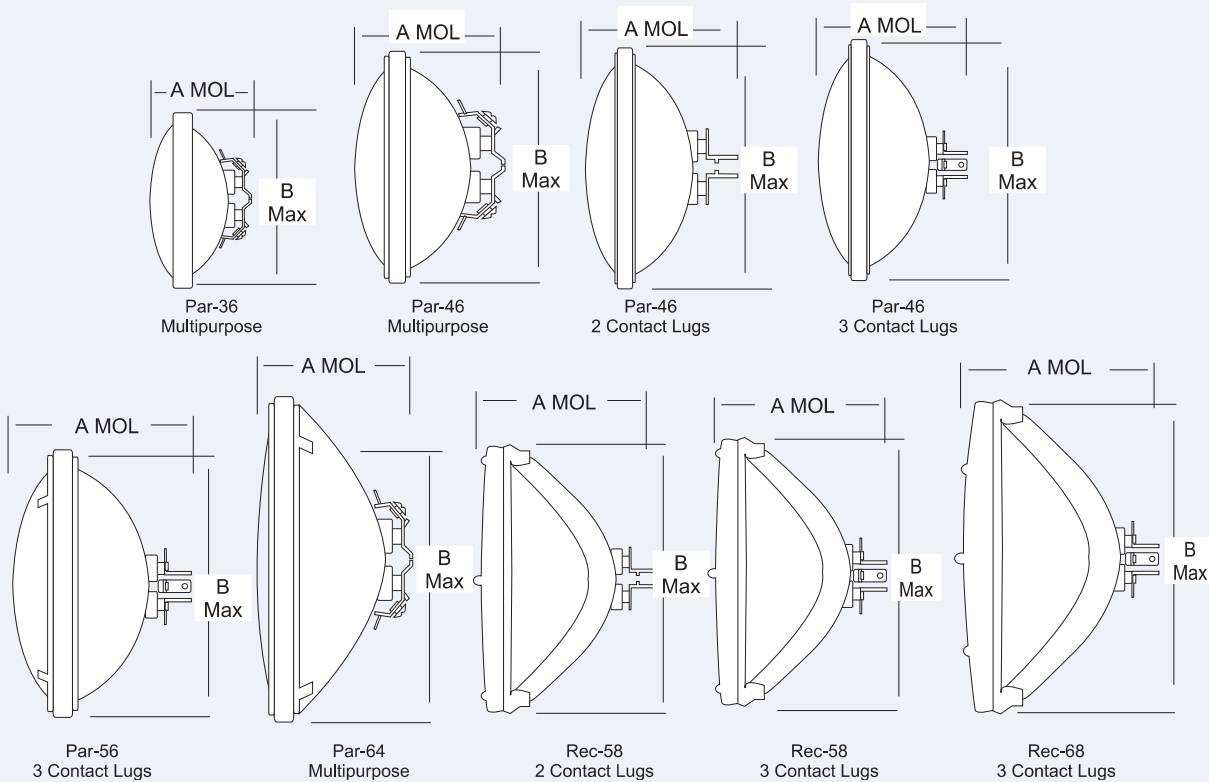
HOW TO MEASURE

Bulb Shape	A MOL	A MOL	B MAX	B MAX
	Dimension	Dimension	Dimension	Dimension
	INCHES	MM	INCHES	MM
B-3 1/2 SC MIN FLG	1 1/4	32	.437	11.1
B-6 SC BAY	1 3/4	45	.78	19.7
G-3 1/2 MIN BAY	15/16	24	.46	11.7
G-4 1/2 MIN BAY	1 1/16	27	.59	15
G-5 DC BAY	1 3/8	35	.64	16.2
G-6 SC BAY	1 7/16	37	.75	19
RP-11 SC PREF	2 1/4	58	1.42	36
S-8 SC BAY	2	51	1.04	26.5
S-11 SC BAY	2 3/8	61	1.42	36
T-3 DOUBLE-END CAP	1 23/32	44	.39	10.0
T-3 DOUBLE WEDGE	1 23/32	44	.39	10.0
T-3 HPR SC MIN FLG	1 1/4	31	.39	10.0
T-3 1/4 WEDGE	1 1/16	27	.40	10.3
T-3 1/4 MIN BAY	1 3/16	31	.43	10.9
T-5 WEDGE	1 1/2	38.1	.625	15.9
TL-3 MIN SC	15/16	24	.39	10



Dimensions For Sealed Beam Lamps:				
Bulb Shape	A MOL	A MOL	B MAX	B MAX
	Dimension	Dimension	Dimension	Dimension
	INCHES	MM	INCHES	MM
PAR-36 MULTIPURPOSE	2 3/4	70	4.5	113.3
PAR-46 MULTIPURPOSE	3 7/8	99	5.7	144.8
PAR-46 CONTACT LUGS	4	102	5.7	144.8
PAR-46 3 CONTACT LUGS	4	102	5.7	144.8
PAR-56 3 CONTACT LUGS	5 1/4	134	7.05	178.6
PAR-64 MULTIPURPOSE	4	102	8.1	205.7
REC-58 2 CONTACT LUGS	4 1/2	114	6.5	166
REC-58 2 CONTACT LUGS	4 1/2	114	6.5	166
REC-68-3 CONTACT LUGS	5 5/8	143	7.87	200

Sealed Beam Lamps



Filaments

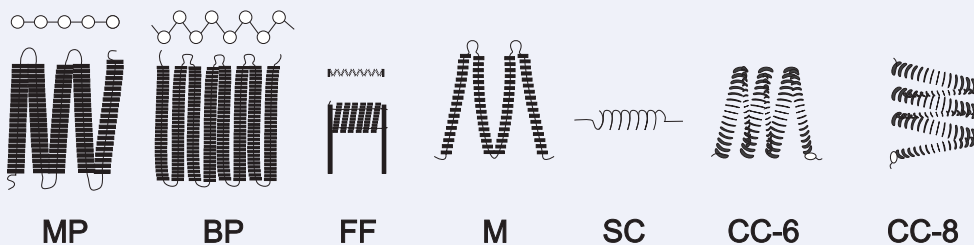
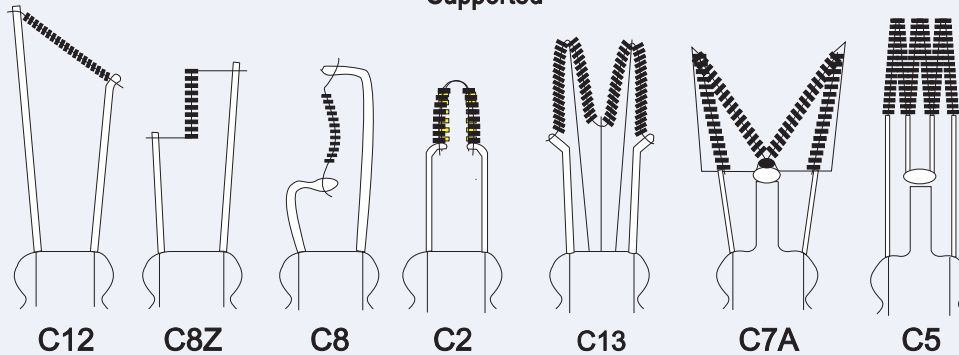
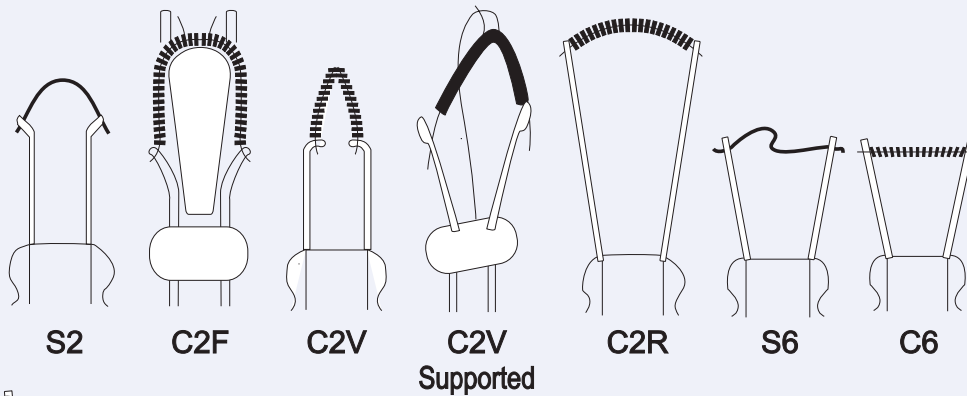
Filament Designations

The method of mounting a filament in a tungsten filament lamp is designed by an identification number made up of a prefix letter or letters and an arbitrary number. The prefix letter indicates whether the wire is straight, coiled or coiled coil and the number indicates the form or arrangements of the filament on the supports.

S= Straight, there is no coil to the filament.

C= Coiled, the filament is wound into a helical coil.

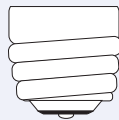
CC= Coiled Coil, the helical coiled filament is wound again into another helical coil.



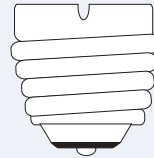
The base serves two functions: support for the lamp and providing electrical contact.

High Intensity Discharge Lamps

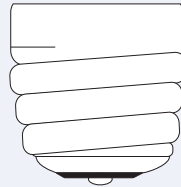
Medium Med.



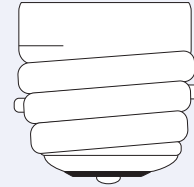
Admedium Admed.



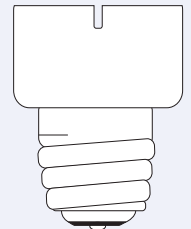
Mogul Mog.



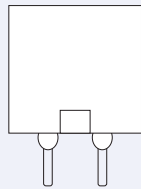
Position Oriented Mogul Base POMB



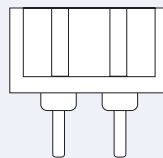
Medium Skirted Med. Skt.



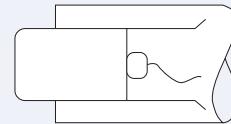
PG-12



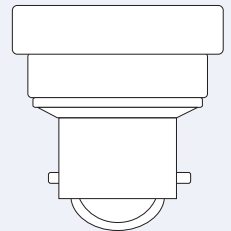
G-12



Recessed Single Contact RSC



Double Contact Bayonet, Med. D.C. Bay.



Incandescent Bulb Bases

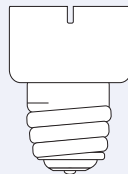
Medium Med.



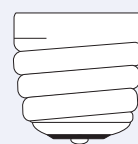
Three Contact Medium 3 C med.



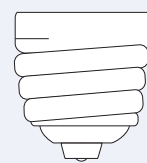
Medium Skirted Med Skt.



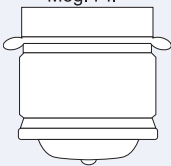
Mogul Mog.



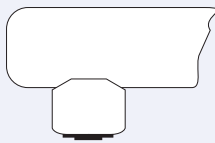
Three Contact Mogul 3C Mog.



Mogul Prefocus Mog. Pf.



S-14s



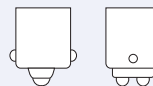
Miniature Candelabra mc



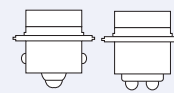
Candelabra Cand.



Candelabra Bayonet Single or Double Contact S.C. Bay. D.C. Bay.



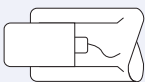
Candelabra Prefocus S.C.Pf. D.C. Pf.



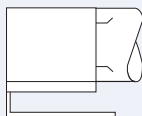
Intermediate Inter.



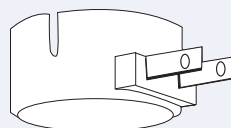
Recessed Single Contact R.S.C.



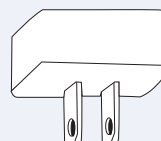
Metal Sleeve Flexible Lead



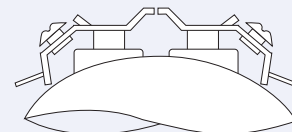
Medium Side Prong



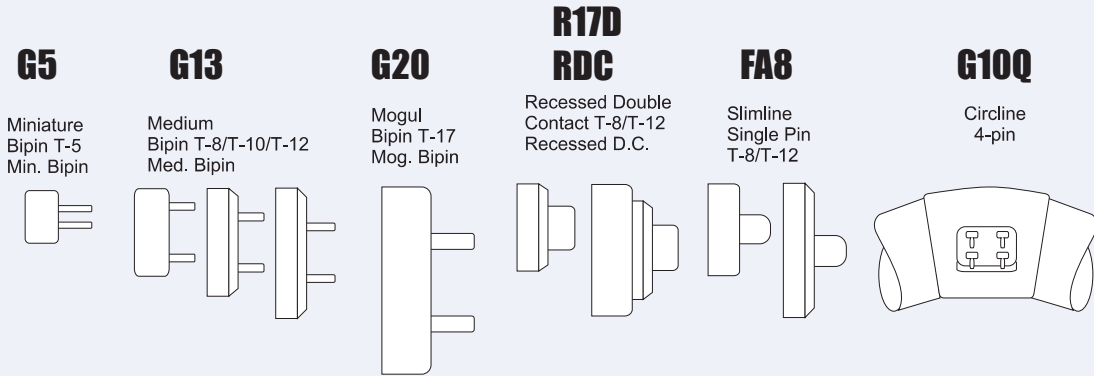
Insul End Prong. or Mogul End Prong



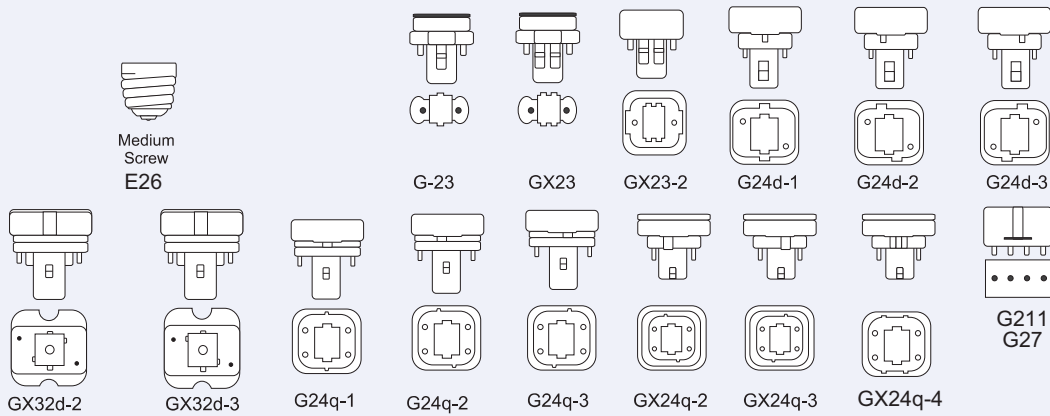
Multipurpose M-P



Fluorescent Bases



Compact Fluorescent Bases



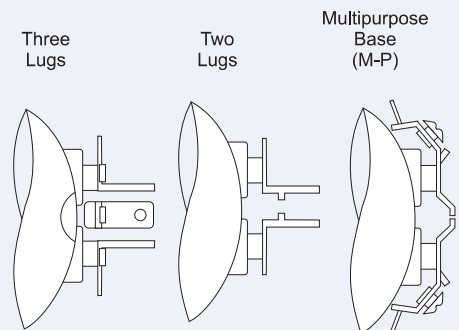
Sealed Beam Bases

Sealed beam base types:

2 contact lugs - mainly used on automotive headlamps where two terminals are required (low beam/high beam headlamps).

3 contact lugs - mainly used on automotive headlamps where three terminal are required (low beam/high beam headlamps).

Multipurpose (M-P) Terminal - mainly used on non-headlamp applications. This base is designed to accept both slip on and screw lugs.



Cross Reference List of IEC and ANSI Designations

IEC E10/12 E12/15 E17/20 E26 E39 Fa8 G5	ANSI Miniature Screw Candelabra Screw Intermediate Screw Medium Screw Mogul Screw Single-Pin Miniature Bipin	IEC G13 G20 R17d BA15s BA15d P28S P40s	ANSI Medium Bipin Mogul Bipin Recessed D.C. Candelabra Bayonet S.C. Candelabra Bayonet D.C. Medium Prefocus Mogul Prefocus	IEC G17t G17q GX17q G5.3 G6.35 GY6.35 G9.5	ANSI 3-Pin Prefocus 4-Pin Prefocus 4 Pin Prefocus (Low -Volt) Miniature Two-Pin Glass Two-Pin Glass Two-Pin Medium Two-Pin	IEC GY9.5 GZ 9.5 G22 G38 R7s GX5.3 GY5.3	ANSI Prefocus Two Pin (Higher Wattage) Prefocus Two Pin Medium Bipost Mogul Bipost Recessed S.C. Two-Pin Reflector (Low Volt) Two-Pin Reflector
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Halogen/Projection

PG22-6.35

P30s
ANSI: Candelabra
prefocus base

P35s

P28s
ANSI: Medium
Prefocus base

R7s
ANSI: Recessed
single contact base

E26
Medium
screw base

E27
European
Medium
screw base

E40
ANSI: Mogul
screw base

G5.3
ANSI: Miniature
2-pin

BA.15s
ANSI: Single contact
Candelabra
bayonet base

BA.15d
ANSI: Candelabra
bayonet base
double contact

B15d

BA20d

BA21s

B22d/22

G3.9

G4

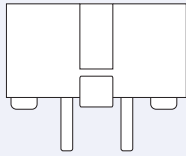
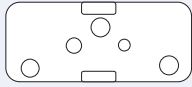
GX5.3
(Round Pin)

G6.35
GX6.35
GY6.35

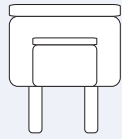
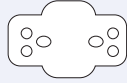
GZ6.35

GZ4

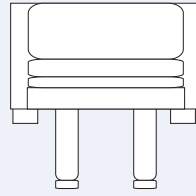
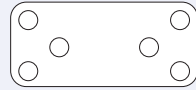
Halogen/Projection



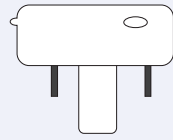
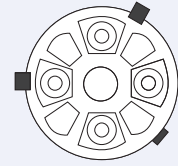
GX9.5



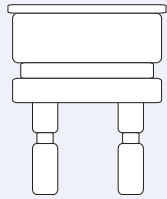
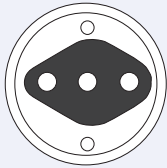
GY9.5



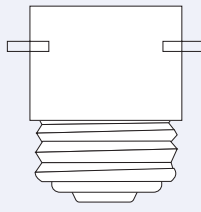
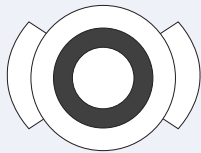
GY16



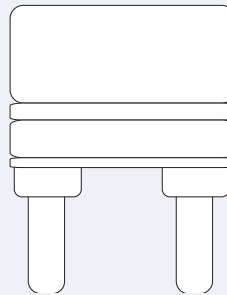
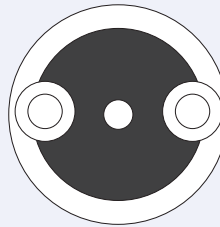
GX17q
GY17q
G17q
ANSI: Four-pin
prefocus base



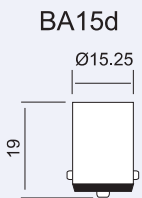
G22
ANSI: Medium bipost



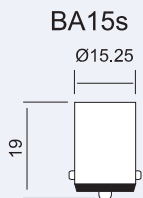
P40s
ANSI: P-40
Mogul prefocus base



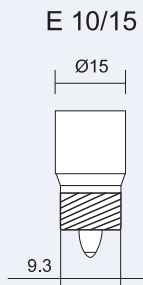
G38 ANSI:
Mogul bipost



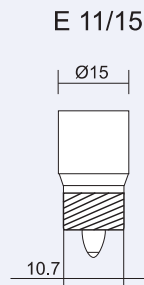
BA15d



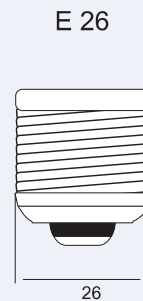
BA15s



E 10/15



E 11/15



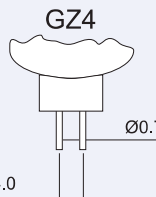
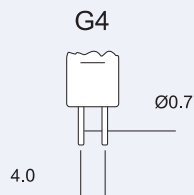
E 26



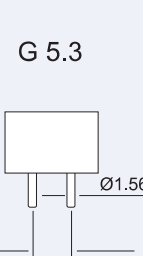
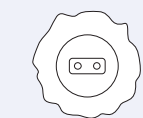
E 39



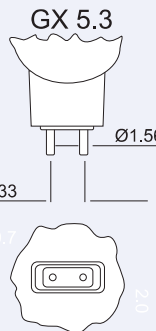
G4



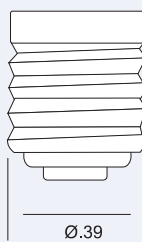
GZ4



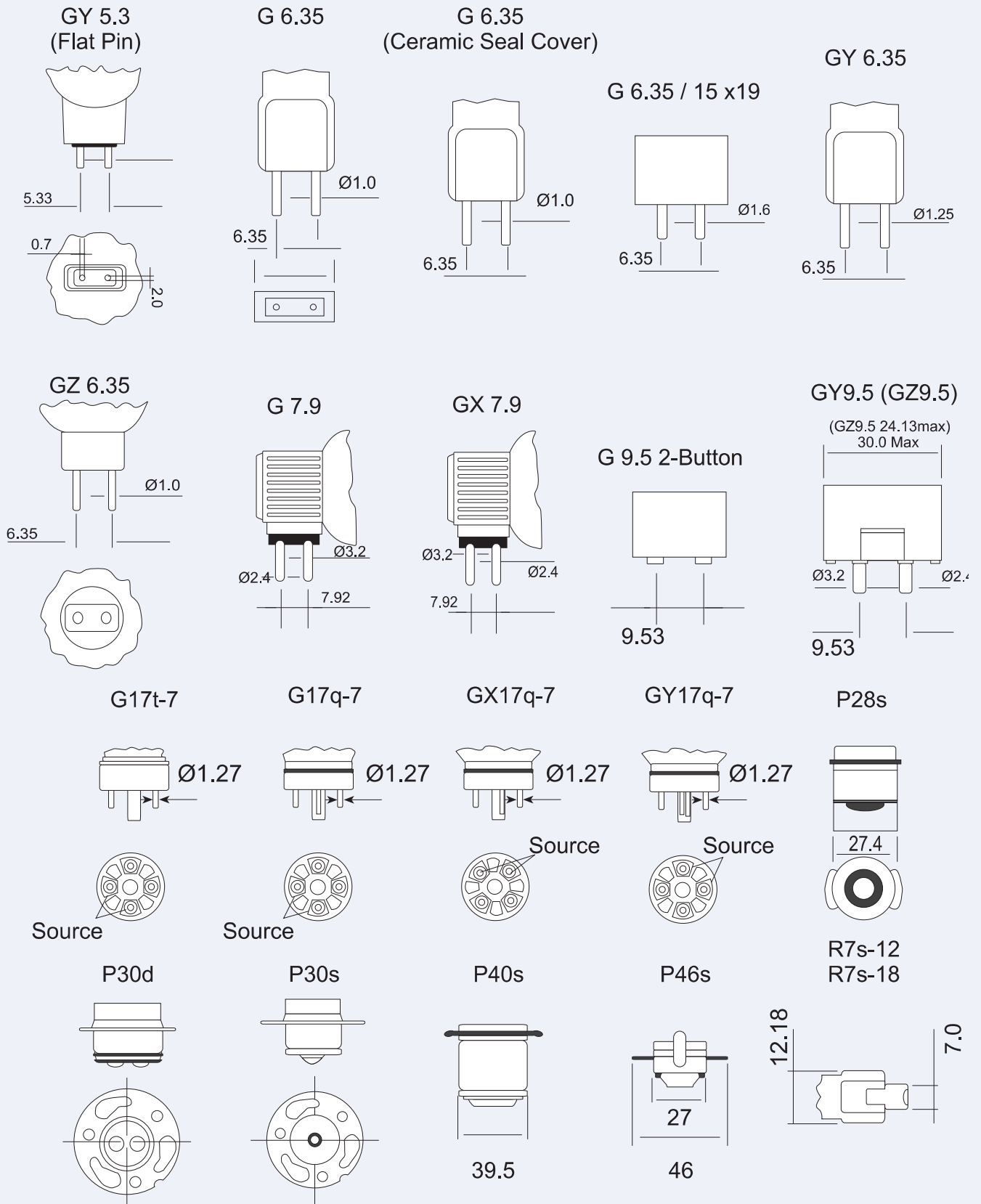
G 5.3



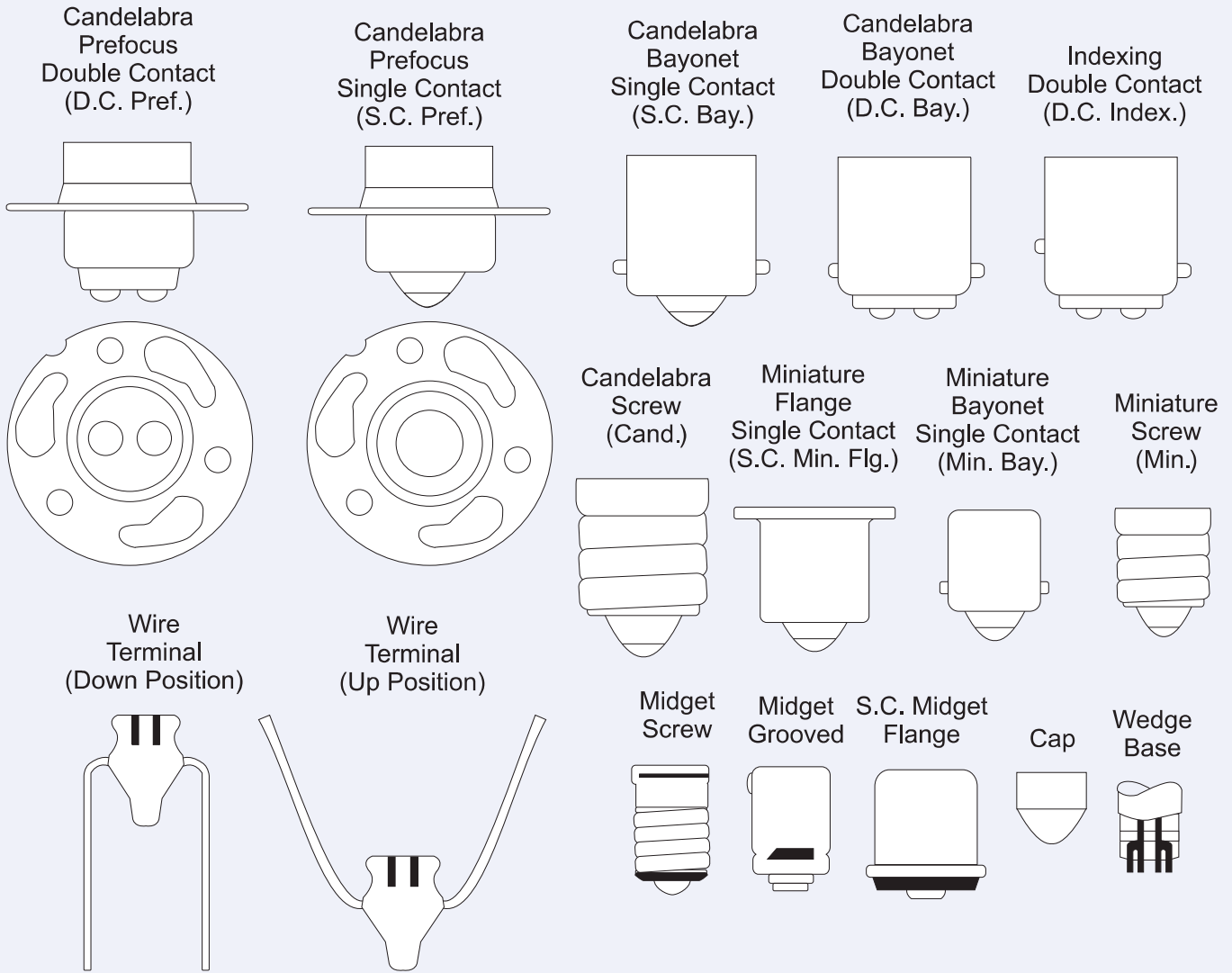
GX 5.3



Ø39



Miniature Lamp Base Designation



Accent Lighting. Directional lighting used to highlight or draw attention to a particular object.

Acrylic. Material used in fixture lenses; tends to yellow with age.

Alternating Current (AC). Electron flow that periodically reverses polarity and direction of travel through a circuit. The common example is 60-cycle AC power used, in most homes and offices, where voltage polarity and current go through 60 cycles of reversal per second.

Ambient Lighting. The general overall lighting in a room or area, as opposed to “accent lighting.”

Amperes. (“Amps.”) A measure of electrical current. In incandescent lamps, the current is related to voltage and power as follows: Current (Amps) = Power (Watts) / Voltage (Volts).

American National Standards Institute (ANSI). A consensus organization which coordinates voluntary standards for the physical, electrical and performance characteristics of lamps, ballasts, luminaires and other lighting and electrical equipment.

Argon. Inert gas used in incandescent and fluorescent lamps. In incandescents, helps retard evaporation of the tungsten filament.

Average Rated Life. The median time it takes for a lamp to burn out. For example, a 60-watt Soft White bulb can be expected, on the average, to burn for 1,000 hours. Based upon continuous testing of lamps in laboratories, the 1,000 hour rating is the point in time when 50% of the test samples have burned out and 50% are still burning.

Ballast. Electrical device used with fluorescent and high intensity discharge lamps to provide the necessary starting and operating power conditions.

Base. End (or ends) of a lamp that makes electrical and mounting connections with the luminaire.

Beam Spread. The angle of a beam from a light source to the main area lighted; more specifically, the angle between the two vectors in which the light output is equal to a stated percent (usually 10%) of the maximum candlepower of the source.

Brightness. See “Luminance.”

Bulb. Common term for an electrical light source of “lamp;” more specifically, the glass outer shell of the lamp.

Bulb Darkening. Discoloration of an incandescent lamp caused by tungsten particles collecting on the glass bulb as the filament evaporates.

Candela. A unit of luminous intensity.

Candlepower. The luminous intensity of a light source expressed in candles.

Color Corrected. Refers to a lamp with a special phosphor or coating (applied internally or externally) to give it a color rendering profile more like that of natural daylight.

Color Rendering Index (CRI). A measure of the color shift created by artificial light. Color rendering is measured on a scale from zero to 100, with both natural daylight and incandescent light equal to 100. The higher the index, the more true to life colors appear.

Color Spectrum. Same as the “visible light” spectrum: electromagnetic energy between 380 (violet) and 770 (red) nanometers, which can be seen by the human eye.

Color Temperature. Expressed in degrees Kelvin (see “Kelvin Scale”), color temperature indicates the color of a light source. For example, incandescent lamps are approximately 3000 degrees Kelvin (°K) and appear yellowish. Fluorescents range from 3000 degrees Kelvin up to 7500 degrees, with those at the high end appearing blue-white, or “cool.” Rather than being the physical temperature of light itself, the Kelvin number refers to the color a theoretical “black body” would be if heated to that temperature.

Cove Lighting. Refers to light sources mounted above a ledge or in a recess (usually around the perimeter of a room) that distribute light upward for ambient lighting.

DIA. Diameter of bulb at widest point.

Diffusion. The scattering, spreading or redirection of light in an even manner, by a lens, to achieve some intended effect such as reduced glare.

Downlight. A direct lighting unit, usually relatively small, that aims the light downward; can be recessed, surface mounted, or suspended.

Efficacy. May refer to either the efficiency of the lamp (lumens per watt) or that of the luminaire (lumens emitted by the fixture compared to those emitted by the unshielded lamp).

Efficiency. Used synonymously with "Efficacy."

Electric Discharge Lamp. A light source that produces light by passing a current between electrodes through a vapor or gas; includes fluorescent, high intensity discharge, and other lamps.

End Blackening. Darkening around the ends of a fluorescent tube caused by the emitter pasted on the electrodes evaporating and collecting on the glass.

Energy Policy Act (EPACT). Comprehensive energy legislation passed by the U.S. Congress in 1992. The lighting portion includes lamp labeling and minimum energy efficacy (lumens/watt) requirements for many commonly used incandescent and fluorescent lamp types. Similar legislation is being proposed in Canada.

Energy Survey. Synonymous with "cost calculations," "energy audit," etc.; a systematic cost comparison of an existing system to a proposed system; accounts for electrical, material and maintenance/manpower costs.

Etch. Logo, brand name, and product information that appears on glass envelope of lamp.

Eyeball. Fixture, usually recessed, loosely resembling an "eyeball"; can be rotated to point in desired direction.

Filament. Wire element, often coiled, in a lamp that becomes incandescent and emits light when heated by an electric current.

Fixture. A luminaire without the lamps

Fluorescent Lamp. A glass tube coated on the inside with a fluorescent substance that gives off light when mercury vapor in the tube is acted upon by a stream of electrons from the cathode.

Footcandle. A unit of direct illumination; the amount of light produced by a one-candlepower source on a square foot of surface every part of which is one foot from the candle. A lumen per square foot.

General Lighting. Essentially uniform light throughout an area, with no special provisions for individual tasks or objects.

Globe. A transparent or translucent spherical lamp enclosure.

Halogen Lamp. A short name for the tungsten-halogen lamp. Halogen lamps are high pressure incandescent lamps containing halogen gases such as iodine or bromine which allow the filaments to be operated at higher temperatures and higher efficacies. A high-temperature chemical reaction involving tungsten and the halogen gas recycles evaporated particles of tungsten back onto the filament surface.

Head. Luminaire for a track-lighting system.

High-Intensity Discharge (HID) Lamp. A general term for mercury, metal halide and high-pressure sodium lamps. HID lamps contain compact arc tubes which enclose various gases and metal salts operating at relatively high pressures and temperatures.

High Hat. A luminaire that is recessed, usually into a ceiling.

High Output (HO) Fluorescent. A fluorescent lamp designed for use with an 800 milliampere (mA) ballast; will usually operate at low temperatures (down to zero) while still producing high light levels.

High Pressure Sodium (HPS) Lamp. An HID light source that uses sodium vapor at relatively high pressure to produce light.

High Voltage. Voltages of 208 and higher.

Illumination. The lighting in an area, or the result of the use of light. Also, the intensity of light per unit of area, sometimes called “illuminance”; usually measured in footcandles.

Incandescent Lamp. A light source in which illumination is produced by a filament of conducting material contained in a vacuum and heated to incandescence by an electric current.

Indirect Lighting. Luminaires that distribute 90-to-100 percent of their light upward to be reflected by the ceiling.

Infra-red. Radiant energy with wavelengths between 770 and one million nanometers, i.e., longer than the wavelengths of visible light. Applications include photography, heat lamps, industrial drying, and medical therapy.

Instant Start (Fluorescent Lamp). A fluorescent light source that will start from a high voltage with no preheating of the electrodes. Instant-start lamps cannot be interchanged with rapid-start lamps.

Kelvin Scale. A scale of temperature measured in degrees Celsius from absolute zero (see “Color Temperature”).

Kilowatt (kw). A unit of electrical power, equal to 1000 watts.

Kilowatt Hour (kwh). One thousand watts of electricity consumed in one hour; the measure of consumption generally used in billing for electricity. For example: a 100-watt lamp operated for 1000 hours consumes 100kwh (100 watts x 1000 hours = 100 kwh). At \$.10/kwh, this bulb costs \$10.00 to operate (100 kwh x \$.10).

Krypton. A heavy inert gas used in incandescent lamps; allows the filament to glow hotter and brighter, yet last longer.

Lamp. Industry term for light bulb.

LCL. Distance between the center of the arc tube and the Light Center Length reference plane.

Lens. Transparent or translucent cover for the face of lighting fixture; diffuses or focuses light passing through it and protects internal components. Also called “refractor” or “diffuser.”

Lexan. Brand name for polycarbonate material used in lenses that will not break or yellow.

Light. The term generally applied to visible energy emitted by a source; usually measured in lumens or candlepower. When light strikes a surface it is absorbed, transmitted, or reflected.

Light Loss Factor. Used to calculate or project lighting system performance after a given period of time under certain conditions; takes into account variations in temperature and voltage, dirt, lamp depreciation and maintenance. Also called “maintenance factor.”

Louver. In lighting fixtures, an assembly of slats or crosspieces used to control light intensity and glare.

Low Pressure Sodium Lamp. A discharge lamp using pressurized sodium vapor to produce light; distinguished by being the most efficient light source and the only single-color (yellow) light source.

Lumen. Unit of measure for the flow of light; expresses the total quantity of light given off by a source regardless of direction.

Lumen Depreciation. The term for the gradual decline in a source’s light output. Except for low pressure sodium lamps, all sources lose lumen output over their life due to gradual deterioration of the filaments or electrodes, accompanied by lamp blackening.

Lumen Maintenance. Same as “Light Loss Factor.”

Lumens Per Watt (LPW). A measure of the efficiency of a light source, equal to the lumens produced divided by the power (watts). For example, a 100-watt lamp producing 1750 lumens yields 17.5 lumens per watt.

Luminance (or Brightness). The light emitted, transmitted or reflected from a unit area of the source or a reflecting surface; expressed either in candles per square inch or in “Lamberts.”

Luminaire. A complete lighting unit consisting of a lamp, housing, lens, and related components; also referred to as a “fixture.”

Lux (lx). The SI (International unit of illuminance.) One lux is equal to 1 lumen per square meter.

Metal Halide Lamp. A discharge source producing light by radiation of various metal halides in combination with metallic vapors, including mercury and others.

Mercury Lamp. A high-intensity discharge light source operating at a relatively high pressure (about 1 atmosphere) and temperature in which most of the light is produced by radiation from excited mercury vapor. Phosphor coatings on some lamp types add additional light and improve color rendering.

MOL. Maximum Overall Length including base or pins.

Nanometer. A unit of wavelength equal to 10⁻⁹ meter.

Nominal Length. Overall length including base or pins.

Ohm's Law. A scientific law which states that current (amperes) in a circuit depends on resistance (ohms) and applied electromotive force (volts). Current (I) = Voltage (E) ÷ Resistance (R). Or: I = E/R.

PAR Lamp. PAR is an acronym for parabolic aluminized reflector. A PAR lamp which may utilize either an incandescent filament, a halogen filament tube or HID arc tube is a precision pressed-glass reflector lamp. PAR lamps rely on both the internal reflector and prisms in the lens for the control of the light beam.

Phosphor. An inorganic chemical compound processed into a powder and deposited on the inner glass surface of fluorescent tubes and some mercury and metal-halide lamp bulbs. Phosphors are designed to absorb short wavelength ultraviolet radiation and to transform and emit it as visible light.

Photopic Vision. Refers to vision involving the cones of the eye; used in reference to the adaptation of the eye to illuminance of more than 3.4 candelas per square meter, or one footlambert.

PL. Designation for a type of compact fluorescent lamp.

Polycarbonate. Material used in lenses that will not break or yellow (see “Lexan”).

Power Factor. The ratio of actual power used (watts) to the power apparently being drawn from the line (volt-amperes). Utilities bill for actual power used.

Preheat. Refers to fluorescent lamps and systems that use a “starter” to warm the lamp electrodes, causing a delay of several seconds before the lamp produces light.

Quartz. Type of silica glass.

Rapid Start. A fluorescent system that does not use a “starter.” (See “Preheat.”) Except for “slimline” lamps, all modern fixtures using 40-watt and higher lamps are quipped with rapid-start ballasts.

Rated Average Life. Same as “lamp life.”

Reflector. A piece of glass or metal, usually concave, with a reflective surface that directs radiant energy in a desired direction.

Reflector Lamp. A light source with an integral reflector, usually a silver or aluminum coating on the bulb.

Refraction. The bending of a ray or wave of light.

Refractor. A translucent or transparent fixture covering, like a “lens” or “diffuser,” that refracts.

Socket. Electromechanical connection in the fixture for the lamp.

SON. Another term for a high pressure sodium (HPS) lamp.

SOX. Another term for a low pressure sodium (LPS) lamp.

Starter. A device used in conjunction with a ballast to start electric-discharge lamps, usually older fluorescents.

Trigger Start. A circuit used to eliminate the starter and allow for instant starting of preheat lamps; usually used on 20-watt and smaller fluorescent lamps.

Troffer. A long recessed lighting fixture, usually installed flush with the ceiling.

Tungsten Halogen. A gas-filled, usually compact, tungsten-filament incandescent lamp that contains halogens; a tungsten-halogen lamp retains most of its initial efficiency over its life, with little lumen loss.

Two-by-four. A commonly used fluorescent troffer measuring two feet by four feet, with two ballasts, and sockets for four lamps.

Ultraviolet. Radiant energy between 10 and 380 nanometers in wavelength, beyond the violet end of the visible spectrum. Typically used in ozone-producing light sources (180-220 nanometer), germicidal lamps (220-300 nanometers), and "black lights" (320-400 nanometers).

Very High Output (VHO) Lamp. A fluorescent that operates from 1500 milliampere ballast; also referred to as Ultra High Output (UHO) or Super High Output (SHO).

Visible Spectrum. Electromagnetic energy between 380 (violet) and 770 (red) nanometers in wavelength, which can be seen by the human eye. Same as the "color spectrum."

Voltage Rating. The recommended operating voltage for a lamp. For example, a 120 volt lamp operated at 125 volts will lose 40 percent of its lamp life; conversely, operating that lamp at 115 volts will virtually double its life.

Volt. The unit of electromotive force or potential difference in an electric circuit.

Watt. The unit of power consumption or use; one watt (w) is equal to one ampere of current flowing through one ohm of resistance.



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Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
373746	3S6/5 120-130V			16757	3S6/5 120V
373746	3S6/5 120-130V	11098	3S6/5 24PK 130V	16759	3S6/5 130V
257063	BC4C7 120V	43050	4C7 CD/2 120V	13542	4C7/BL/2PK 120V
247411	BC4C7/4 120V			13549	4C7/BL/4PK 120V
				13546	4C7/BULK 120V
257089	BC4C7/W 120V	16001	4C7/W CD/2 120V		
		26223	4C7/BL-CD2 6PK 120V	13556	4C7/BLUE/2PK/BL 120V
		26222	4C7/PK-CD2 6 PK 120V	13557	4C7/PINK/2PK/BL 120V
		20572	4C7/S CD/4 120V		
		20573	4C7/W/S CD/4 120V		
234435	6S6 12V	11316	6S6 24PK 12V	16927	6S6-12V
234492	6S6 24V	11329	6S6 24V	16929	6S6-24V
234518	6S6 30V	11331	6S6 24PK 30V	16930	6S6-30V
234583	6S6/BR 32V	43397	6S6/BB 32V		
234773	6S6/3 130V	11577	6S6/3 120V	16946	6S6/3-125-130V
248351	6S6 120-130V	11367	6S6 TRAY 120V	16960	6S6-120V
		15820	6S6 CD/2 120V		
248351	6S6 120-130V	11369	6S6 TRAY 130V	16938	6S6-130V
234617	6S6 135V				
234625	6S6 145V	11372	6S6 145V	16942	6S6-145V
234765	6S6 155V	11374	6S6 155V	16943	6S6-155V
234799	6S6/7 120V	11660	6S6/7 24PK 120V		
				16764	6S6DC-30V
		11357	6S6DC 24PK 75V		
373761	6S6DC 120-130V	11592	6S6DC TRAY 120V	16782	6S6DC 120V
373761	6S6DC 120-130V	11594	6S6DC TRAY 130V	16784	6S6DC 130V
234831	6S6 DC 145V	11609	6S6DC 24PK 145V	16790	6S6DC 145V
373779	6T4-1/2/1 120-130V	11764	6T41/2/1 130V		
373787	7C7 120-130V	11779	7C7 TRAY 120V	13608	7C7 120V
				13543	7C7/BL/2PK 120V
				13545	7C7/BL/4PK 120V
				13544	7C7/W/BL/4PK 120V
373787	7C7 120-130V	11792	7C7 TRAY 130V	13609	7C7 130V
236430	7C7/W 120V	11815	7C7/W TRAY 120V	13623	7C7/W-120V
257147	BC-7C7/W 120V			13540	7C7/W/BL/2PK-120V
236364	7C7/R-120V			13626	7C7/R-120V
236356	7C7/O-120V			13629	7C7/O-120V
		43409	7.4T61/2DC/F 10.5V		
298893	BC7-1/2S/W RV	41267	71/2S/CW CARD 120V	19433	7-1/2S/CW/BL 120V
373803	7-1/2S/W 130V	11922	71/2S/CW TRAY 130V		
248112	7-1/2S 120-130V	11847	71/2S TRAY 120V	19353	7-1/2S 120V
248112	7-1/2S 120-130V	11848	71/2S TRAY 130V	19355	7-1/2S-130V
236752	7-1/2S/G 115-125V	11880	71/2S/CG TRAY 120V	19429	7-1/2S/CG 115-125V
236117	7-1/2S/O			19432	7-1/2S/CO 120V
				19426	7-1/2S/CB 120V
236133	7-1/2S/R			19423	7-1/2S/CR 120V
				19420	7-1/2S/CW 120V
				19433	7-1/2S/CW/BL 120V
		11911	71/2S/CR TRAY 130V		
248120	10C7 120V				
236368	10C7DC 120V	11994	10C7DC TRAY 120V	13527	10C7DC CLR 115-125V
				13636	10C7/CL 120V
				16726	10S6 120V
234856	10S6/10 230V	12041	10S6/10 24PK 230V	16717	10S6 230V
234880	10S6/10 250V	12050	10S6/10 24PK 250V		
		12060	10S6/10DC 24PK 230V		
234906	10S6/15 250V				
				16897	10S11N/CW 120V

PHILIPS		GE		SYLVANIA	
Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
235986	10S11/79 120V	12249	10S11/79 120V	17025	10S11/79 120V
236067	10S11N/IF 120V	12188	10S11N/F 120V	16913	10S11N/IF 120V
373811	10S11N 120-130V	12186	10S11N 120V	16917	10S11N-120V
373811	10S11N 120-130V	12185	10S11N 130V	16919	10S11N-130V
213041	10S14 130V			17406	10S14 120V
213082	10S14/IF 130V			17424	10S14/IF 120V
213397	11S14 115-125V			17448	11S14 120V
		12575	11S14 130V	17450	11S14 130V
213496	11S14/IF 130V	12589	11S14/IF 130V	17453	11S14/IF-120V
390062	11S14/TR 130V	12621	11S14/R 130V	17458	11S14/CR-115-125V
390070	11S14/TB 130V			17489	11S14/TB 125-130V
390955	11S14/TY 130V			17488	11S14/TY 125-130V
				17490	11S14/TG 125-130V
390062	11S14/TR 130V			17487	11S14/TR 120V
				17454	11S14/CY 120V
213553	11S14/Y 130V	12632	11S14/Y 130V	17455	11S14/CY-130V
				16718	12S6/250V
		10690	12S8/93T-6PK CD/2 12V		
241406	13/3-1/2S11/95	12649	13/31/2S11/95 10V		
				10018	15A15/CL-120V
373845	15A15 120-130V	12658	15A15 130V	10038	15A15 130V
373852	15A15/CL 130V	16215	15A15/CL/BB 130V	10019	15A15/CL-130V
302562	15A/WL 120V	41270	15A/W 24PK 120V	10037	15A15 120V
213769	15A/R 120V			11502	15A15/R 120V
258491	15A15/35 130V				
		12784	15A 34V		
		33404	15R14SC/SP 12V		
236026	15S11/14 120V	13236	15S11/14 120V		
		13210	15S11/13 120V	17043	15S11/13 120-130V
235994	15S11/3DC 75V	13188	15S11/3DC 75V		
236141	15S11/102 120V	13291	15S11/102 TRAY 120V	17080	15S11/102/CL 120V
				17079	15S11/102/IF 120V
		11137	15S14/GR/CL/8 130V	10019	15A15/CL 130V
				17240	15S14/CL 130V
		42590	15S14/F/BB 34V		
235820	15T6 120V	13390	15T6 120V	18037	15T6-120V
				18038	15T6-125-130V
248153	15T6 140-150V	13402	15T6 145V	18078	15T6/145V
		22114	15T6C CARD 145V		
235903	15T6DC 120V				
223081	15T7C 120V	13494	15T7C 120V	18185	15T7C 120V
235580	15T7C/If 120V				
248161	15T7N 120V			18173	15T7N 120V
299040	BC15T7N 120V	35153	15T7N CARD 120V		
				18208	15T7DC 120V
		35154	15T7DC CARD 120V	18200	15T7DC/BL 120V
223073	15T7DC 120V			18199	15T7DC/BL 120V
235606	15T7DC/IF 115-125V				
235622	15T7DC/IF				
235911	15T8C 120V			18291	15T8C 120-130V
235945	15T8N 120V			18350	15T8N 120-130V
376715	BC15T10 120V	34407	15T10 24PK 120V	18501	15T10/CL 120V
		23068	15/150/SECURITY 12 PK 120V		
232637	17R20 6.3V				
241976	17S11SC 13.5V				
242032	18A15/7 10V				
242107	18S11/1SC 10V	13655	18S11/1SC 10V		
		13659	18/31/2S11SC 10V		

PHILIPS		GE		SYLVANIA	
Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
		13644	18/31/2A15/5 10V		
		13647	18/31/2A15/7 10V		
266163	20S11/1SC	19549	20S11/1SC 10V		
248534	20T6-1/2/IF 120V	34272	20T61/2/F 120V	18143	20T6-1/2/IF 120V
248393	20T6-1/2DC/IF 120V	34241	20T61/2DC/F 120V	18144	20T6-1/2/DC/IF 120V
248385	20T61/2DC 120V				
248484	24T61/2IF 120V				
248419	24T61/2DCIF				
231654	25A15/1 120V				
226381	25A15/RFL 130V	44448	25A15/RFL 130V	10139	25A15/RFL 130V
		13744	25A15/RS 75V		
204339	25A/WL	41272	25A/W 24PK 120V	10562	25A/W/RP 120V
255695	25A/CL 120-130V	13990	25A/CL 120V	10693	25A/CL-120V
		15064	25A/CL 24PK 120V	10683	25A/CL/RP 120V
255695	25A/CL 120-130V	13992	25A/CL 130V	10694	25A/CL-130V
333658	25A19/RS 75V				
373860	25A/RS 120-130V	33486	25A/RS 24PK 120V	11090	25A/RS-120V
373878	25A19/35 120-130V			11092	25A/RS-130V
		14293	25A19/GR/CL 130V		
		19316	25A/GR/CL/8 130V		
215574	25A/B 120V	37577	25A/B 24PK 120V	11356	25A/B 120V
215616	25A/G 120V	37578	25A/G 24PK 120V	11359	25A/G 120V
215558	25A/O 120V	40320	25A/O 24PK 120V	11362	25A/O 120V
215640	25A/R 120V	37579	25A/R 24PK 120V	11350	25A/R 120V
215673	25A/Y 120V	37793	25A/Y 24PK 120V	11348	25A/Y 120V
361303	25A/TB 120V	49724	25A/TB 6PK 120V	11710	25A19/TB/RP 125-130V
361311	25A/TG 120V	49725	25A/TG 6PK 120V	11714	25A19/TG/RP 125-130V
				11711	25A19/TY/RP 125-130V
		22730	25A/TPK 6PK 120V		
		22731	25A/TP 6PK 120V		
361386	25A/TR	49727	25A/TR 6PK 120V	11712	25A19/TR/RP 125-130V
		22732	25A/TE 6PK 120V		
361428	25A/TY	49728	25A/TY 6PK 120V	11713	25A19/TY/RP 125-130V
				10738	25A19/CL/GR 130V
				10734	25A19/IF/GR 130V
368043	25A 12V	13769	25A 12V	10449	25A-12V
242271	25A 24V				
242297	25A 30V				
242354	25A 34V	13784	25A 34V	10524	25A-34V
				10644	25A-120V
300319	25A/TF				
255661	25A 130V	35613	25A 130V	10645	25A-130V
253963	25A 230-250V			11285	25A-230V
253963	25A 230-250V	13879	25A 250V	11287	25A-250V
				11289	25A/277V
		14483	25G161/2SC 120V		
		14553	25PAR36 5.5V		
202085	25PAR36/VNSP 12V	14554	25PAR36/NSP 12V		
		14555	25PAR36/WFL 12V		
		14556	25PAR36/VWFL 12V		
		14562	25PAR46 5.5V		
248286	25R12/R14N 120V	39156	25R14N 120V	14793	25R14N 120V
				14784	25R14N/RP 120V
		18230	25R14N 130V		
		33405	25R14SC/SP 12V		
				14818	25R14/RP 120V
236034	25S11/2C 120V	14585	25S11/2C 120V		
		14594	25S11/5C 120V	17058	25S11C/P 115-125V

PHILIPS		GE		SYLVANIA	
Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
242503	25S11/4SC 10V	14575	25S11/4SC 10V		
373894	25T6-1/2 120-130V	14639	25T61/2 120V	18125	25T6-1/2-120V
		15821	25T61/2 CARD 120V		
373894	25T6-1/2 120-130V	14641	25T61/2 130V	18128	25T6-1/2-130V
373886	25T6-1/2IF 120-130V	14668	25T61/2/F 130V	18111	25T6-1/2/CF-130V
		14676	25T61/2DC 120V	18129	25T6-1/2DC-120V
373928	25T6-1/2/DC 120-130V	14678	25T61/2DC 130V	18106	25T6-1/2/DC-130V
373910	25T6-1/2DC IF 120-130V	14685	25T61/2DC/F 130V	18118	25T6-1/2DC/CF-125V
201160	25T8N 115-125V	14791	25T7N 120V	18365	25T8N/BL 120V
		10692	25T7NCARD 6PK 120V		
248278	25T8DC 120V	14741	25T7DC 120V	18310	25T8DC 120V
				18316	25T8DC 130V
235929	25T8C 120V	14809	25T8C 120V	18289	25T8C 115-125V
373944	25T10 120-130V	14880	25T10 24PK 120V	18491	25T10/CL/BL 120V
		41313	25T10 CARD 120V	18512	25T10 130V
373944	25T10 120-130V	14866	25T10 130V	18512	25T10-130V
373936	25T10/IF	13487	25T10/F CARD 120V	18503	25T10/IF 120V
				18505	25T10/IF 130V
		14886	25T10 24PK 250V		
285585	25T10 277V			18507	25T10/277V/BB 277V
		14883	27R20/MI/1 6PK 120V		
304485	30A15 130V	14129	30A15 130V	10122	30A15 130V
304527	30A15/CL 130V	15291	30A15/CL 130V		
		19358	30A15/8 130V		
201657	30R20 120V	15003	30R20 120V	14794	30R20-120V
		14891	30R20/1 6PK 120V	14836	30R20/RP 120V
220780	30R20 130V	15000	30R20 130V	14802	30R20-130V
202648	30R20/SFL 120V	16213	30R20/6 130V		
275610	30R20/SFL/5TR 120V				
275537	30R20/SFL/5TG 120V				
275578	30R20/SFL/5TD 120V				
226019	30R20/SFL/TF 130V				
236059	30S11DC 75V	15012	30S11DC 75V		
		17948	30S11DC/RS 75W		
		15029	L30 120V		
		15071	L30/W 120V		
366625	30/100A/W 120V	41273	30/100 12PK 120V	19385	30/100/W/RP-120V
				19386	30/100A/W/RP 125V
204511	30/100A/WL 120V				
				10983	32A19/49 130V
221457	33A19/5 130V	42626	33A19/5 130V		
305490	33A19/GR/CL 130V	21001	33A19/5/V 130V		
222349	40A-34A/EW 120V	12612	40A/34WM 120V	11058	40A/34/SS-120V
222356	40A-34A/EW 130V	12620	40A/34WM 130V	11379	40A/34/SS-130V
373977	40A-34A/99/EW 120V	13010	40A/34WMP/99 120V	11383	40A/99/XL-120V
292359	40A-34/99/EW 130V	13009	40A/34WMP/99 130V	11387	40A/99/XL-130V
				11391	40A/34/W/ES/4PK 120V
373985	40A15 120V	15199	40A15 120V	10119	40A15 120V
251090	40A15/TF 120-130V	27451	40A15/F 120PK 120V	10119	40A15 120V
299990	BC-40A15/LL 120V	15206	40A15/CD 12 PK 120V	10129	40A15/BL 115-125V
		21188	40A15 CD/2 120V	10141	40A15/2PK/RP 120V
		20451	40A15/CF CD/2 120V	10045	40A15/CL/FAN/2/120V
				10046	40A15/CL/DL/FAN/RP 120V
		27495	40A15/F/CD 120V	10121	40A15/CL/FAN 120V
		20452	40A15/W/CF CD/2 120V		
				10365	40A15/1 250V
270819	40A	13255	40A 48PK 120V	11060	40A/4/RP
374660	40A 130V	34034	40A 130V	11059	40A-130V

PHILIPS		GE		SYLVANIA	
Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
366443	40A/CL 120V	12311	40A/CL 24PK 120V	11223	40A/CL/RP 120V
373993	40A/CL 120-130V	34125	40A/CL 130V	11036	40A/CL-130V
374819	40A/W	13257	40A/W 48PK 120V	10977	40A/W/RP/2PK-120V
263723	40A/WL 120V			10939	40A/DLSW/4PK/RP 120V
354522	40A/YL BUG 120V				
218859	40A/TS 130V	40323	40A/S-130V-24PK		
218859	40A/TS 130V	15554	40A/TS 130V		
218719	40A/B 120V				
218743	40A/G 120V				
218768	40A/R 120V				
218792	40A/Y 120V				
307280	40K19/DL 120V			10471	40K19/DR
354613	40R14/N 120V	25777	40R14/N/CD 120V	14820	40R14N/RP
354548	40R14/SP 120V	25776	40R14/CD 120V	14819	40R14/RP
		25781	40R16/CD 120V	14821	40R16/FL/RP
		35156	40S11N/1/CD 12PK 120V	13595	40S11N 115-125V
248302	40S11N/1F 120V	15734	40S11N/1/F 120V		
				13599	40S11 130V
248500	40T6-1/2/2 120V	15740	40T61/2/2 120V	18096	40T6-1/2/2 120V
204917	BC40T6-1/2/2	41312	40T61/2/2 CARD 120V	18097	40T6-1/2/CL/BL 120V
219097	40T6-1/2/2IF 115-125V	15742	40T61/2/2F 120V		
		15804	L40 120V		
		15839	L40/W 120		
		15754	40T8 120V	18364	40T8 120-130V
374025	40T10 120V-130V	15852	40T10 120V	18650	40T10-120V
203687	BC-40T10	13489	40T10 CARD 120V	18493	40T10/CL/BL/6PK
374025	40T10 120-130V	15854	40T10 130V	18652	40T10-130V
374017	40T10/IF 120V130V	15892	40T10/F 120V	18663	40T10/CF-115V
		41314	40T10/F CARD 120V	18494	40T10/IF/BL/6PK 120V
				18669	40T10/IF 130V
				18656	40T10/AQUARIUM/RP 120V
		14878	45R20/MI/1 6PK 120V		
		18279	45R20/TWIN 120V		
		20330	45R/FL/MI/1 6PK 120V		
		26804	45R30/FL/LL 120V		
201632	50A/RS 120V	33495	50A/RS 24PK 120V	11095	50A/RS-120V
220046	50A/RS 125-130V	33497	50A/RS 24PK 130V	12417	50A/RS-125-130V
300343	50A/RS/TF 115-125	14727	50A/RS/CVG 24PK 120V	11118	50A/RS/SL 115-125V
347658	50A				
243246	50A/RS				
243261	50A19/RS 75V	16201	50A19/RS 75V	11068	50A19/RS-75V
		40261	50A19/RS/LG 75V		
				14886	50A/VS
				14889	50A/VS
				11395	50A/230V
245696	50A250V	15995	50A 250V	11397	50A-250V
245720	50A/RS 250V	16147	50A/RS 250V	11393	50A/RS-250V
245886	50A19 300V	16317	50A19 300V	11428	50A19-277V
368050	50A 12V	16366	50A21 12V	11569	50A21-12V
368050	50A CDA 12V	10686	50A21/RV 6PK 12V	11567	50A21/12V/RP
		16385	50A21 30V	11654	50A21-32V
347690	50A 34V	16390	50A21 34V	11603	50A21-34V
201665	50R20 120V	16693	50R20 120V	14831	50R20-120V
		14896	50R20/1 6PK 120V	14833	50R20/RP 120V
		20368	50R20/TWIN 120V		
220822	50R20 130V	16692	50R20 130V	14832	50R20 130V
220822	50R20 130V	22977	50R20/PRO 6PK 130V	14832	50R20 130V
		12667	50R20/6 130V		

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Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
		22752	50R20/BLB 6PK 120V		
		20821	50R20/NEO 6PK 120V		
266353	50R20/PK 115-125V	16698	50R20/PK 120V	14834	50R20/PK 120V
		15287	50R20/PK 130V	14846	50R20/PK 130V
		14888	50R20/PL/1 6PK 120V	14842	50R20/GRO 120V
		14885	50R20/SW/1 6PK 120V		
374041	50ER30 120-130V	44429	50ER30 120V	15102	50ER30-120V
374041	50ER30 120-130V	11823	50ER30 130V	15107	50ER30-130V
		47878	50ER30/PK 120V		
287318	50BR19/25/SP 120V				
269456	50PAR36/VNSP 12V	12892	50PAR36VNSP 12V		
228593	50PAR36/NSP 12V	16540	50PAR36NSP 12V		
296038	50PAR36/WFL 12V	16541	50PAR36WFL 12V		
		11468	50PAR36WFL/4 12V		
		16542	50PAR36VWFL 12V		
220186	50/50P25/28 120V	16535	50/50P25/28 120V		
375089	50/50T12 115V	16726	50/50T12 115V		
366716	50/150A/W 120V	41280	50/150 12PK 120V	18060	50/150A/W/RP 120V
277558	50/150A/W/TP 120V	16142	50/150 TWIN/PK 120V		
				18061	50/150A/W/RP 125V
317396	50/150A/STP/PK 120V			18726	50/150A/SPK/RP 120V
317164	50/150A/STP/PCH 120V				
317362	50/150A/STP/BL 120V				
204537	50/150A/WL				
277533	50/150A/WL TP 120V				
323592	50/150A/DL 120V			18044	50/150A/DLSW/RP 120V
		20810	50/150/NEO 12PK 120V		
		14057	50/150/SSW 12PK 120V		
		22886	50/150A/RL/SW 6PK 120V		
204545	50/250T/WL 120V	19445	50/250/1 12PK 120V	19404	50/250A/W/RP 120V
222372	60A-52A/EW 120V	12615	60A/52WM 120V	11376	60A/52/SS-120V
222398	60A-52A/EW 130V	12623	60A/52WM 130V	11380	60A/52/SS-130V
		22373	52A/WM/COMM 130V		
		13554	60A/52WM/CL 120V		
		13555	60A/52WM/CL 130V		
374595	60A-52A/99/EW 120-130V	13011	60A/52WMP/99 120V	11384	60A/52/SSXL-120V
374595	60A-52A/99/EW 120-130V	13012	60A/52WMP/99 130V	11388	60A/52/SSXL-130V
				11392	60A/52/W/ES/4PK
205534	51A19/RR/TS 120V	17960	60A21/54WM/TS 120/5V	10441	54A19TS/8M/SS-120-125V
317560	51A19RR/RS 125V	17961	60A21/54WM/TS 125/0V		
		11904	55A/SW/MI 48PK 120V		
				11149	58A19/62 120V
				11150	58A19/62 125V
		17759	60A15/CF CD/2 120V	11007	60A15/CL/FAN
		14029	60A15/W/CF CD/2 120V		
374694	60A	41026	60A 48PK 120V	11180	60A/4/RP
374710	60A 130V	16783	60A 130V	11373	60A-130V
				10640	60A/24
		25905	60A/BLB 6PK 120V	11715	60A/BLACKLIGHT/RP 120V
		22361	60A/COMM 120V		
201483	60A/CL 120V	39322	60A/CL 24PK 120V	10553	60A/CL-120V
				10555	60A/CL 130V
374835	60A/W 120V	41028	60A/W 48PK 120V	11205	60A/W/4/RP
		11947	60A/W/STG 24PK 120V	10503	60A/SL/RP
263764	60A/WL 120V	41285	60A/W/LL 24PK 120V	11227	60A/DLSW/2PK/RP
				11204	60A/DLSW/4PK/RP
244244	BC40A/GD 120V	22384	60A/GD 120V	11008	60A15/GARAGE 120V
		23097	60A/GD CARD 120V		

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Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
300384	60A/TF	14414	60A/CVG 24PK 120V	10501	60A/SL 120V
374710	60A 130V	22972	60A/PRO 24PK 130V	11373	60A 130V
		40324	60A/S-120V-24PK 120V		
		40325	60A/S-130V-24PK 130V		
		14052	60A/SSW 24PK 120V		
220863	60A/D	16882	60A/D 120V	10480	60A/D
		20768	60A/NEO 24PK 120V		
300483	60T/STP	20326	60A/SPK 24PK 120V	10576	60A/SPK 24PK 120V
225730	60T/YL	41284	60A/Y 24PK 120V	10390	60A/Y/RP 120V
239418	60A/SB 115-125V	16913	60A/SBIF 120V	10613	60A/SB 120V
362921	60A/AGRO 120V	41624	60A/PL 6PK 120V	12280	60A/GRO 120V
225730	60A/YL BUG 120V				
348193	60A/STP/BL 120V				
348201	60A/STP/PCH 120V				
348227	60A/STP/PK 120V				
				12423	60A/CL/RS/RP 120V
				12977	60A/RS/RP 120V
				12421	60A/RS/RP 130V
		17968	69A21/60WM/TS 120/5V		
210567	K60A19/TS/EW 120-125V	17969	69A21/60WM/TS 125/0V		
220996	60A19/B 115-125V	16997	60A21/B 120V	12288	60A19/CB 120V
221069	60A19/R 115-125V	17027	60A21/R 120V	12285	60A19/CR 120V
281113	60A19 230V	17122	60A21 230V	11459	60A21-230V
239699	60PAR/2/R 38V	17212	60PAR/2/R 38V	15201	60PAR46/R 38V
				15199	60PAR46/38V
				10483	60K19/DR 120V
377317	L60	17226	L60 120V	19673	L60 115-125V
377325	L60/W	17266	L60/W 120V	19679	L60/IF 115-125V
221762	60T10/64 115-125	17292	60T10/64 24PK 120V	18710	60T10/64 120V
		10698	60T10/CARD 6PK 120V		
		17804	60T10/F/CD 120V	18711	60T10/CF 120V
				13802	65PAR/FL 120V
				13805	65PAR/FL 130V
				13804	65PAR/SP 120V
				13808	65PAR/SP 130V
		12847	75PAR/3SP/65WM 120V		
		12846	75PAR/3FL/65WM 120V		
248773	65BR30/SP20	15711	75R30/SP/65WM 120V		
248807	65BR30/SP20	14264	75R30/SP/65WM 130V		
248765	65BR30/FL55-120	15709	75R30/FL/65WM 120V	15165	65BR30 FL 120V
248849	65BR30/FL55-130	14263	75R30/FL/65WM 130V	13129	65BR30/FL 130V
		25211	75R30/65WM/PK 130V		
		26640	75R30/FL/65WM/A 120V	15150	65BR30/A/RP 120V
249045	75BR30/B 120V	26641	75R30/FL/65WM/B 120V	15151	65BR30/BV/BP 120V
		26642	75R30/FL/65WM/G 120V	15152	65BR30/G/RP 120V
249029	75BR30/PK 120V	26803	75R30/FL/65WM/PK 120V	15153	65BR30/PK/RP 120V
248997	75BR30/R 120V				
		26645	75R30/FL/65WM/Y 120V	15154	65BR30/Y/RP 120V
				15161	65BR30/R/RP 120V
249037	75BR30/FL/TF 120V	26639	75R30/FL/65WM/CVG 120V		
248773	65BR30/SP20	20332	65R/SP/MI/1 6PK 120V	15149	65BR30/SP/RP 120V
248765	65BR30/FL55-120V	20331	65R/FL/MI/ 1 6PK 120V	15160	65BR30/FL/RP 120V
		18011	65R/FL/MI/TWIN 120V		
		23520	65R30/SW 6PK 120V		
249052	75BR30/AGRO 120V	20996	65R30/PL/1 6PK 120V	15156	65BR30/GRO/RP 120V
		22978	65R30/PRO 6PK 130V	13129	65BR30/FL 130V
		22714	65R30/FL/COMM 12PK 120V	15165	65BR30 FL 120V
244525	65BR30/SFL				

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Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
225359	65BR/FL60	14265	75R/FL/65WM 120V	15126	75BR/FL 120V
225375	65BR/FL60	14266	75R/FL/65WM 130V	15125	75BR/FL 130V
225367	65BR/FL60	14016	65R40/FL/MI 6PK 120V	15128	75BR/FL/RP 120V
225466	65BR/SP20 120-130V				
248823	65BR30/FL/LL 120V	26805	65R30/FL/LL 120V		
248856	65BR30/SP/LL 120V	26806	65R30/SP/LL 120V		
		20822	65R30/NEO 6PK 120V		
		22374	67A/WM/COMM 130V		
222406	75A-67A/EW 120V	12617	75A/67WM 120V	11377	75A/67/SS-120V
222414	75A-67A/EW 130V	12624	75A/67WM 130V	11381	75A/67/SS-130V
374058	75A-67A/99-EW 120V	13013	75A/67WMP/99 120V	11385	75A/67/SSXL-120V
374058	75A-67A/99-EW 120V	13018	75A/67WMP/99 130V	11389	75A/67/SSXL-130V
				11394	75A/67/W/ES/4PK 120V
221929	67A21/99TS 120V	38551	67A21/TS 120V	12570	67A21/40/8M
		38552	67A21/TS 125V	12572	67A21/40/8M
221978	67A21/99TS 130V	38553	67A21/TS 130V	12562	67A21/40/8M
221994	69A21/TS 120V	17323	69A21/TS 120V	12496	69A21/TS/8M
222026	69A21/TS 125V			12497	69A21/TS/8M
222042	69A21/TS 130V	17325	69A21/TS 130V	12498	69A21/TS/8M
		11905	70A/SW/MI 48PK 120V		
270835	75A 120V	41030	75A 48PK 120V	12525	75A/RP 120V
374736	75A 130V	17347	75A 130V	11374	75A-130V
374066	75A/99 120V	22364	75A/COMM 120V	12500	75A/CL 120V
366468	75A/CL	10428	75A/CL 24PK 120V	11225	75A/CL/RP 120V
375253	75A/CL			12502	75A/CL 130V
374850	75A/W	41032	75A/W 48PK 120V	10970	75A/W/4/RP
		41287	75A/W/LL 24PK 120V	11337	75A/DLSW/2PK/RP 120V
263814	75A/WL			11331	75A/DLSW/4PK/RP 120V
		40326	75A/S-120V-24PK		
		40328	75A/S-130V-24PK		
243535	75A21 12V	17482	75A21 12V	11566	75A21-12V
313056	75A21 120-130V				
209221	75A/RH/TF 120-130V	14724	75A/RS/CVG 24PK 120V	12554	75A21/RS/SL 120V
		10696	75A/RT 6PK 120V	12568	75A21/SL/RP
		18274	75A/RS 12PK 120V	12579	75A/RS/RP 120V
		17527	75A/RS 60PK 130V	12586	75A/RS/RP 130V
354605	75R20 120V	11320	75R20 6PK 120V	14840	75R20/RP 120V
224873	75K19/DL			12583	75K19/DR 120V
		22748	75R30/BLB 6PK 120V		
205724	75ER30 120V	37044	75ER30 120V	15100	75ER30-120V
296368	75ER30 130V	42850	75ER30 130V	15101	75ER30-130V
		18045	75PAR/FL/1/COMM 6PK 120V	15607	75/OPAR/FL
262782	75PAR36/VNSP 12V				
374082	75PAR38/2FL 120-130V				
		33869	75PAR36/RS 75V		
232454	75PAR/3FL 120V	17682	75PAR/3FL/MINE 120V	13850	75PAR/3FL 120V
232462	75PAR/3SP 120V	17664	75PAR/3SP/MINE 120V		
		36473	75PAR46/TS 120V		
222588	75T10/45 115-125	17754	75T10/45 120V		
		17749	75T10/1 120V		
		15846	70/240A/RL/SW 6PK 120V		
		18178	80PAR/FL/27 220/0		
		18179	80PAR/FL/27 240/0		
		18180	80PAR/27 220/0		
		18181	80PAR/SP/27 240/0		
		18661	80PAR/FL/A/27 240/0		
		18650	80PAR/FL/B/27 240/0		
		18653	80PAR/FL/G/27 240/0		

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Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
		18656	80PAR/FL/R/27 240/0		
		18658	80PAR/FL/Y/27 240/0		
248971	85BR30/FL55 120V				
248989	85BR30/SP20 120V				
225276	85BR/FL60 120V				
225284	85BR/FL60 130V				
225391	85BR/SP20 130V				
225425	85BR/FL60 120V				
226944	85BR/SP20 120V				
201772	100PAR/B	13465	100PAR/B/85WM 6PK 120V	13938	100/PAR/FL/B/RP 115-125V
201863	100PAR/G	13474	100PAR/G/85WM 6PK 120V	13939	100/PAR/FL/G/RP 115-125V
202283	100PAR/R	13472	100PAR/R/85WM 6PK 120V	13933	100/PAR/FL/R/RP 120V
202325	100PAR/Y	13473	100PAR/Y/85WM 6PK 120V	13936	100/PAR/FL/Y/RP 115-125V
362350	100PAR/A			13935	100PAR/FL/A/RP 120V
362376	100PAR/PK				
362491	100PAR/BW				
		20945	85PAR/FL/BG 6PK 120V		
		39817	88PAR36/FL 75V		
222430	100A-90A/EW 120V	12618	100A/90WM 120V	11378	100A/90/SS-120V
222448	100A-90A/EW 130V	12625	100A/90WM 130V	11382	100A/90/SS-130V
		22375	90A/WM/COMM 130V		
373902	100A-90A99EW 120-130V	13019	100A/90WMP/99 120V	11386	100A/90/SSXL-120V
373902	100A-90A99EW 120-130V	13023	100A/90WMP/99 130V	11390	100A/90/SSXL-130V
				11396	100A/90/W/ES/4PK 120V
371682	K90A19/TS/EW 120-125V	17972	100A21/90WM/TS 125/0	12299	90A19/1/TS/8M/SS 120-125V
376152	K90A19/1/TS/EW 120-125V				
268292	90A21/35				
		14267	100R/FL/90WM 120V	14851	100BR/FL
		14268	100R/FL/90WM 130V	14847	100BR/FL
		14017	90R40/FL/MI 6PK 120V	14871	100BR/FL/RP
		11906	95A/SW/MI 48PK 120V		
270868	100A 120V	41034	100A 48PK 120V	12750	100A/4/RP 120V
374769	100A 130V	17933	100A 130V		
		22366	100A/COMM 120V	12735	100A/RP
374769	100A 130V	22975	100A/PRO 24PK 130V		
201509	100A/CL 120V	39321	100A/CL 24PK 120V	11226	100A/CL/RP 120V
375279	100A/CL 130V			12531	100A/CL 130V
229781	100A/99				
229799	100A/99				
374926	100A/W	41036	100A/W 48PK 120V	12770	100A/W/4/RP
		11948	100A/W/STG 24PK 120V		
263822	100A/WL 120V	41289	100A/W/LL 24PK 120V	12805	100A/DLSW/2PK/RP 120V
				11332	100A/DLSW/4PK/RP
374140	100A/LHT 120V	17995	100A/LHT	12530	100A/LHT
		20773	100A/NEO 24PK 120V		
		40329	100A/S-120V-24PK	12752	100A/W/RP 120V
		40330	100A/S-130V-24PK	12753	100A/W/RP 125V
		14056	100A/SSW 24PK 120V		
225813	100A/YL 120V	41291	100A/Y 24PK 120V	12763	100A/Y/RP 120V
		20328	100A/SPK 24PK 120V	12766	100A/SPK/RP 120V
374116	100A21/35 120-130V	18212	100A21 120V	12866	100A21-120V
374116	100A21/35 120-130V	18221	100A21 130V	12883	100A21-130V
300517	100A21/TF				
258384	100A21/35/TF				
				13003	100A21/SL/RP 120V
374603	100A21/99 120-130V	21314	100A21/99 60PK 120V	12906	100A21/99/XL 120V
374603	100A21/99 120-130V	21315	100A21/99 60PK 130V	12946	100A21/99/XL 130V
		18275	100A/RS 12PK 120V	12997	100A/RS/RP 120V

PHILIPS		GE		SYLVANIA	
Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
374132	100A/35RS	17522	100A/RS 60PK 130V	12998	100A/RS/RP 130V
		14719	100A/RS/CVG 120V	12992	100A21/RS/SL
		11245	100A/RT 6PK 120V		
223909	100A21/TS 130V	18365	100A21/TS	12828	100A21/TS-130V
223107	100A21P				
				12909	100A21/LHT
357178	100A/D			13065	100A23/D 120V
239442	100A/1SBIF 115-125V	17525	100A21/SBIF 60PK 120V	13195	100A/1SBIF-120V
299560	100A 230V	17515	100A 60PK 230V	13404	100A/CL-230V
299552	100A 250V	17516	100A 60PK 250V	13406	100A/CL-250V
		17524	100A/RS 60PK 250V	12959	100A21/RS/250V
246611	100A 277V	17517	100A 60PK 277V	13397	100A21-277V
347815	100A A21 34V	17904	100A 34V	12859	100A23/34V
348037	100A A21 12V	18512	100A23 12V	12858	100A23-12V
224048	100A23/20 120-130V	18542	100A23/20		
224303	100A23 120-130V	18449	100A23 120V	13280	100A23 120V
224220	100A23/R 120V				
		33456	100A23/VS 24PK 130V		
224915	100K19/DL 120V			12298	100K19/DR 120V
		18721	100G161/2/29DC 120V	17264	100G16-1/2/29/DC 120V
337030	100R20/FL/S				
221358	100R20				
		18822	100PAR38/FL		
		38854	100PAR/FL/27 220/0		
		40027	100PAR/SP/27 220/0		
		42711	100PAR/FL/27 240/0		
		42710	100PAR/SP/27 240/0		
201772	100PAR/B 120V	40028	100PAR/FL/B/27 220/0	13938	100/PAR/FL/B/RP 115-125V
201863	100PAR/G 120V	40029	100PAR/FL/G/27 220/0	13939	100/PAR/FL/G/RP 115-125V
202283	100PAR/R 120V	40030	100PAR/FL/R/27 220/0	13937	100/PAR/FL/R/RP 115-125V
202325	100PAR/Y 120V	40031	100PAR/FL/Y/27 220/0	13936	100/PAR/FL/Y/RP 115-125V
362491	100PAR/PK 120V				
362350	100PAR/A 120V			13935	100PAR/FL/A/RP 120V
362376	100PAR/BW 120V				
				14851	100BR/FL 120V
				14847	100BR/FL 130V
		39503	100R30/CL 12V		
229518	100PAR46 60V	34465	100PAR46 60V	15187	100PAR46 60V
				15185	100PAR46/3NSP 125-130V
		18881	100T8/1SC 20V		
		18780	100/300/2 120V		
367342	100/300/W 120V	41459	100/300 6PK 120V	14374	100/300/RP 120V
				13364	K105/A23/CL
242651	110R30/RS 120V	18980	110R30/FL/RS 120V		
224832	116A21/TS 120V	19008	116A21/TS 120V	12823	116A21/TS-120V
		19009	116A21/TS 125V	12838	116A21/TS-125V
224857	116A21/TS 130V	19010	116A21/TS 130V	12817	116A21/TS-130V
215624	120ER40 120V	41607	120ER40 120V	15166	120ER40-120V
215657	120ER40 130V	43231	120ER40 130V	15168	120ER40-130V
244400	150PAR/3SP 120V	12810	150PAR/3SP/120WM 120V		
374249	150PAR/3FL 120V	12808	150PAR/3FL/120WM 120V	14572	150/120PAR/3FL/SS 120V
		18172	120PAR/FL/27 220/0		
		18173	120PAR/FL/27 240/0		
		18175	120PAR/SP/27 220/0		
		18177	120PAR/SP/27 240/0		
		19023	120PAR56VNSP 12V		
		19024	120PAR56/MFL 12V		
		19025	120PAR56WFL 12V		

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Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
225417	120BR/FL60	15048	150R/FL/120WM 120V	14093	120BR/FL 120V
227363	150BR/B	27429	150R/FL/120WM/B 120V		
		27430	150R/FL/120WM/BW 120V		
225326	120BR/FL/60	15746	150R/FL/120WM 130V	14843	150BR/FL-130V
		27428	150R/FL/120WM/CVG 130V		
				14909	120BR/SP
227330	150BR/PK	27433	150R/FL/120WM/PK 120V		
227306	150BR/R				
226514	150BR/Y				
		27436	150R/FL/120WM/TB 120V		
225441	120BR/SP20	15047	150R/SP/120WM 120V	14911	120BR/SP
		22715	120R/FL/COMM 6PK 120V		
225334	120BR/FL60	20333	120R/FL/MI/1 6PK 120V	14896	120BR/FL/RP 120V
		20824	120R/FLMI/TWIN 120V		
225326	120BR/FL/60	22987	120R40/PRO 6PK 130V	14899	120BR/FL 130V
227256	150R/AGRO 120V	21000	120R40/PL-1 6PK 120V	14898	120BR/GRO 120V
225342	120BR/SP20	20334	120R/SP/MI/1 6PK 120V	14897	120BR/SP/RP 120V
287227	125BR40/1	13049	125R40/1 120V	14744	125BR 120V
236406	125T10P				
281758	150A-135A/EW 120-130V	12619	150A/135WM 120V	12820	150A/135/SS-120V
281758	150A-135A/EW 120-130V	12627	150A/135WM 130V	12863	150A/135/SS-130V
374645	150A-135A99EW 120-130V	13024	150A/135WMP/99 120V	12830	150A/135/SSXL-120V
374645	150A-135A99EW 120-130V	13025	150A/135WMP/99 130V	12831	150A/135/SSXL-130V
376160	K135A21/TS/EW 120-125V	17973	150A21/135WM/TS 120/5	12843	135A21/TS/6M/SS 120-125V
376160	K135A21/TS/EW 120-125V	17974	150A21/135WM/TS 125/0		
268367	135A25/35 130V				
270033	150A 120V	19168	150A 120V	13141	150A/21
270033	150A 120V	41294	150A 24PK 120V	13141	150A/21
270694	150A 130V	33009	150A 130V	13153	150A/21
204438	150A/WL 120V	10429	150A/W 12PK 120V	13101	150A/W/RP
366591	150A/CL 120V	16068	150A/CL 12PK 120V	13125	150A/CL/RP
				13148	150A21/CL 130V
		22881	150A/RL/SW 6PK 120V		
279836	150A21/RS/TF 120-130V	17623	150A21/RS 120V	15241	150A23/RS
279836	150A21/RS/TF 120-130V	17625	150A21/RS 130V	15243	150A23/RS
374173	150A/99 120-130V	25926	150A21/99/IF 120V	13177	150A21/99/XL
374173	150A/99 120-130V	25929	150A21/99/IF 130V	13178	150A21/99/XL
275784	150A21/RS/BR 120-130V	15817	150A/S 120V		
275784	150A21/RS/BR 120-130V	15818	150A/S 130V		
275607	150A21/CL/RS/VS			15250	150A23/CL/RS 130V
279836	150A21/RS/TF 120-130V				
326596	150A/DL				
		22889	150A/GAR 12PK 120V		
				13041	150A23 120V
281709	150A23/LHT 120-130V				
374199	150A25/35 120-130V				
229658	150A25/35/TF 120V				
249383	150P25/2SB 120V	19334	150P25/2SB 120V	15014	150P25/2SB
236547	150P25/10 120V	19372	150P25/10 120V	15010	150P25/10-120V
				13921	150PAR/SP
				13922	150PAR/FL
		26370	150PAR/FL/CVG 120V		
		26371	150PAR/SP/CVG 120V		
		19464	150PAR/FL/A 120V		
		19465	150PAR/FL/B 120V		
		19467	150PAR/FL/G 120V		
		19468	150PAR/FL/R 120V		
374231	150PAR38/2FL 120-130V				

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Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
233155	150PAR/5FL				
233346	150PAR/4FL 120-130V	19497	150PAR/4 125V		
374249	150PAR/3FL 120-130V	19503	150PAR/3FL/MINE 120V	13853	150PAR/3FL-120V
374249	150PAR/3FL 120-130V	19505	150PAR/3FL/MINE 130V	13854	150PAR/3FL 130V
269803	150PAR/3VWFL				
244400	150PAR/3SP 120-130V	19487	150PAR/3SP/MINE 120V		
244400	150PAR/3SP 120-130V	19489	150PAR/3SP/MINE 130V	13848	150PAR/3SP 130V
		18052	150PAR/FL/1/COMM 6 120V	15608	150/OPAR/FL
		40033	150PAR/FL/27 220/0		
		40035	150PAR/FL/27 240/0		
		40034	150PAR/SP/27 240/0		
		34725	150PAR38/2FL/27 220/0		
233403	150PAR46/1 32V	19512	150PAR46/1 32V		
233452	150PAR46 120-130V	19517	150PAR46 125V	15190	150PAR46-130V
		35327	150PAR46/TS 115V		
		41968	150PAR46/3MFL 125V		
				15375	150PAR46/3NSP
300566	150PS25/TF	14635	150PS25/CVG 120V	15293	150/SL 115-125V
281733	150 120-130V	19528	150/IF 120V	15280	150PS25
281733	150 120-130V	19530	150/IF 130V	15282	150PS25
		19616	150/RS 120V		
		19618	150/RS 130V		
374256	150/SB 120-130V	19597	150/SBIF 120V	15271	150PS25/SB
374173	150A/99 120-130V	19656	150/99 120V		
281741	150PS25/99 120-130V	19658	150/99 130V	15431	150PS25/99/XL
				15205	150PS25/CL
225979	150/CL 130V	19668	150/99CL 130V	15207	150PS25/CL
		33465	150/VS 24PK 130V	15255	150PS25/VS
		14716	150/RS/CVG 120V	15300	150PS25/RS/SL
246843	150PS25/99CL 250V	19756	150PS30 230/0		
236596	150/400				
329003	175PAR38/HEAT	13643	175PAR38/HEAT 120V		
270975	175PAR38/HEAT/R				
204479	200A/WL-120V	11585	200A/W/1 12PK 120V	13103	200A/W/RP-120V
				13107	200A21-120V
				13104	200A/W/RP-125V
		25925	200A21/IF 12PK 120V	15499	200A/RP
		25930	200A21/IF 130V	15543	200A21
		16069	200A/CL/1 12PK 120V	15476	200A/CL/RP
		25932	200A21/CL 130V	15491	200A21/CL
		25937	200A21/99/CL 130V		
		25935	200A21/99/IF 120V		
		25936	200A21/99/IF 130V	15555	200A21/99/XL-125V
				15505	200A23-120V
362897	200A 120V			15457	200A23/RS-120V
362913	200A 130V			15458	200A23/RS-130V
361444	200A/CL 120V				
281766	200A/99 120-130V				
324517	200A/99 130V				
398131	200A25/35 130V				
		20115	200PAR46/3NSP 120V	15191	200PAR46/3NSP-120V
		20117	200PAR46/3NSP 130V	15193	200PAR46/3NSP-125-130V
233494	200PAR46/3MFL 120V	20138	200PAR46/3MFL 120V	15194	200PAR46/3MFL-120V
		20140	200PAR46/3MFL 130V	15196	200PAR46/3MFL-130V
				15174	200PAR46/3VWFL-125-130V
233718	200PAR56 30V	20122	200PAR 30V	14968	200PAR56 30V
289561	200PAR56/MFL 120V	49889	200PAR56/MFL 120V	15007	200PAR56/MFL 120V
				15008	200PAR56/NSP-120V

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Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
				15816	200PS25/99/XL-120V
				15818	200PS25/99/XL-130V
				15600	200PS25-130V
349746	200/IF-250V				
361162	200/99IF-250V				
349761	200-277V				
229955	200/35/TF-120V				
300590	200/TF 115-125V	14636	200PS30/CVG 120V	15648	200PS30/SL 120V
300228	200PS30/23TF	14637	200PS30/RS/CVG 120V	15687	200PS30/23/SL 120V
226985	200PS30/24 120V				
227264	200PS30/24 130V	20403	200PS30/24 130V		
374314	200/SBIF 120-130V	20316	200/SBIF 120V		
				15725	200/99/IF/XL-120V
374306	200/99-120-130V				
227371	200/99IF 130V	20354	200/99IF 130V	15691	200/99/IF/XL-130V
243972	200 32V				
227017	200 120V			15645	200-120V
227298	200 130V	20172	200 130V	15647	200-130V
227082	200/IF 120V			15651	200/IF-120V
227355	200/IF 130V	20252	200/IF 130V	15653	200/IF-130V
227041	200PS30/23 120V			15673	200PS30/23-120V
227322	200PS30/23 130V	33468	200PS30/23 24PK 130V	15675	200PS30/23-130V
349746	200/IF PS25 250V	20192	200 250V	15797	200-250V
				15850	200PS/IF/250V
				15823	200PS/CL/99/XL/240V
				15820	200PS/CL/277V
247171	200PS30/RS-250V			15865	200PS/CL/RS/250V
227512	200PS30/12-130V				
226548	200BR/FL-120V				
		20575	240PAR56/VNSP 12V		
		20576	240PAR56/MFL 12V		
		20577	240PAR56/WFL 12V		
		15843	250A/RL/SW 6PK 120V		
287219	250BR40/1	37770	250R40/1 6PK 120V	14661	250K/BR38/FL 125V
				14664	250BR40/1RP
				14665	250BR40/1
		16257	250R40/1/CVG 120V		
287193	250R40HR 120V	37771	250R40/10 6PK 120V	14663	250R40/10 120V
245357	250BR40/4 120V	20724	250R40/4 120V	14745	250R40/4 120V
				15399	250PAR46/SCRT/28 28V
335059	250T14/1 120V				
260844	300PAR56/WFL 12V	23427	300PAR56/WFL 12V	14967	25APAR56WFL 12V
233783	300PAR56/NSP 120V	20803	300PAR56/NSP 120V	14947	300PAR56/NSP-120V
				14944	300PAR56/NSP-125-130V
233825	300PAR56/MFL 120V	20836	300PAR56/MFL 120V	14950	300PAR56/MFL-120V
234054	300PAR56/MFL 130V	20838	300PAR56/MFL 130V	14946	300PAR56/MFL-125-130V
233882	300PAR56/WFL 120V	20849	300PAR56/WFL 120V	14953	300PAR56/WFL-120V
234104	300PAR56/WFL 130V	20851	300PAR56/WFL 130V	14945	300PAR56/WFL-125-130V
				14918	300PAR56/2MFL-125-130V
		20853	300PAR56/NSP 230V		
		18676	300PAR56/NSP 240/0		
		20852	300PAR56/MFL 230V		
		18677	300PAR56/MFL 240/0		
		20854	300PAR56/WFL 230V		
		18678	300PAR56/WFL 240/0		
371518	300M 120V	20861	300M 120V		
371534	300M130V	20863	300M 130V		
362590	300M/IF 120V	25919	300M/IF 6PK 120V		

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Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
281774	300M/IF 130V	20917	300M/IF 130V		
227835	300M/PS30IF 120V			15737	300M/IF 120V
				15735	300M/IF/RP 120V
228080	300M/PS30IF 130V			15739	300M/IF 130V
227793	300M/PS30 120V			15742	300M/CL 120V
				15740	300M/CL/RP 120V
228023	300M/PS30 130V			15744	300M/CL 130V
397984	300M/PS30/35 130V				
374389	300/2IF 120-130V				
374397	300/2 120-130V				
350074	300M/99 130V	20887	300M/99 130V	15758	300M/CL/99/XL 130V
350082	300M/99IF 120V				
350090	300M/99IF 130V	20894	300M/99/IF 130V	15761	300M/IF/99/XL 130V
374405	300/SBIF 125-130V	21139	300/SBIF 130V	15958	300/SBIF-120V
				15904	300/99/XL-120V
228908	300/99 130V	21167	300/99 130V		
				15925	300/99IF/XL-120V
228981	300/99IF 130V	21177	300/99IF 130V	15930	300/99IF/XL-130V
398008	300PS35/35 130V				
228627	300 120V			15915	300/CL-120V
228890	300 130V	21025	300 130V	15917	300/CL-130V
247593	300 277V				
228692	300/IF 120V			15918	300/IF-120V
228973	300/IF 130V	21079	300/IF 130V	15920	300/IF-130V
239616	300MS/SBIF 130V				
396580	300/RSIF 120V				
396614	300/RS 130V			15876	300PS35/RS 130V
				16068	300PS35/CL/277V
374413	300BR/FL 120-130V	21213	300R/FL 120V	14779	300R/FL-120V
374413	300BR/FL 120-130V	21215	300R/FL 130V	14781	300R/FL-125-130V
374421	300R/FL/1 120-130V	21229	300R/FL/1 120V		
337105	300R/FL/1 12V				
235267	300R/SP 120V	21197	300R/SP 120V	14761	300R/SP-120V
235515	300R/3FL 120V	21254	300R/3FL 120V	14796	300R/3FL-120V
235572	300R/3FL 125-130V	21256	300R/3FL 130V	14798	300R/3FL-130V
247601	300R/3FL 250V	21263	300R/3FL 250V		
		21280	300T20/1 120V		
229047	350PAR56/SP	19866	350PAR56/SP 75V		
		21329	375G30 115V		
245506	375R40 120V	21331	375R40 115V	14746	375R40 120V
238402	375R40/1 120V	21334	375R40/1 115V	14747	375R40/1 120V
		21336	375R40/10 115V		
374439	400G/FL 120-130V	21363	400G/FL 120V		
310698	400R40/FL	17542	400R40/FL 120V		
		21426	500G30/1 115V		
234161	500PAR64/NSP 120V	39406	500PAR64/NSP 120V	14938	500PAR64/NSP
234179	500PAR64/MFL 120V	39409	500PAR64/MFL 120V	14932	500PAR64/MFL-120V
				14934	500PAR64/MFL-125-130V
		39412	500PAR64/WFL 120V	14935	500PAR64/WFL-120V
				14937	500PAR64/WFL-125-130V
		39411	500PAR64/MFL 230V		
		39414	500PAR64/WFL 230V		
374462	500 120-130V	21530	500 120V	16032	500-120V
374462	500 120-130V	21532	500 130V	16034	500-130V
				16038	500/IF-120V
374470	500/IF 130V	21581	500/IF 130V	16040	500/IF-130V
374488	500/99 120-130V				
350165	500/99IF 130V	21651	500/99/IF 130V		

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Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
		11303	25GC 12PK 120V	13618	25G16-1/2C
		15790	25GC 25PK 120V		
231431	BC-25G16 1/2C/LL	17722	25GC CD/2 120V	13625	25G16-1/2C/BL
		23510	25GC/AU CD/2 120V		
		39679	25GC/W 12PK 120V		
231407	BC-25G16 1/2C/WLL	17729	25GC/W CD/2 120V	13622	25G16-1/2C/W/BL
311332	25G16 1/2C/4M	43158	25GC/L 120V	13704	25G16-1/2C/4M
				13703	25G16-1/2C/W/4M
				13653	25G16-1/2/CT/BL
				14101	25G18-1/2
				14102	25G18-1/2/W
250035	25G2512/1	12983	25G25 6PK 120V	14282	25G25/RP
		25545	25G25 CPK 120V	14264	25G25
				14145	25G25/DL/RP
		20408	25G25/L 24PK 120V	14276	25G25/4M
250050	25G25/W12/1	12982	25G25/W 6PK 120V	14286	25G25/W/RP
		25546	25G25/W CPK 120V	14265	25G25/W
				14146	25G25/DLSW/RP
		20410	25G25/W/L 24PK 120V	14277	25G25/W/4M
				14404	25G30/W/RP
				14901	25G40/W
				14685	25G40
333898	25G40/4M				
205880	25G40/4MW				
				13729	32B10C/4M/SS/BL
				13730	32B10C/W/4M/SS/BL
				13737	32B10C/CRYSTAL/RP
				13731	32B10/4M/SS/BL
				13732	32B10/W/4M/SS/BL
				14222	32G25/4M/SS/RP
				14221	32G25/W/4M/SS/RP
		15788	40BC 25PK 120V		
329680	BC-40B10 1/2/LL	19110	40BC 6PK CD/2 120V	13681	40B10C/T/BL/2PK
		19981	40BC CD/4 120V		
311159	40B10 1/2/4M				
		27292	40BFC/CD2 6PK 120V	13741	40B10C/CRYSTAL/DL/RP
		12993	40BM CD/2 120V	13719	40B10/T/BL/2PK
		27310	40BM/CD4 120V		
				13720	40B10/W/T/BL/2PK
				13682	40B10C/W/T/BL/2PK
231894	BC-40BA9 1/2/LL	47945	40CAM CD/2 120V	13440	40B10/BL/2PK
278051	BC-40BA9 1/2/LL/4	16049	40CAM CD/4 120V		
221606	BC-40BA9 1/2/FLL	12994	40CAM/F CD/2 120V	13441	40B10/W/BL/2PK
310987	40BA9 1/2/4M	22813	40CAM/LL/BB CD/2 120V		
		15778	40CAC 25PK 120V		
231761	BC-40BA9C/LL	19107	40CAC CD/2 120V	13456	40B10C/BL/2PK
278010	BC-40BA9C/LL/4	16047	40CAC CD/4 120V		
253252	BC-40BA9C/FLL	47941	40CAC/F CD/2 120V	13457	40B10C/W/BL/2PK
		16048	40CAC/F CD/4 120V	13319	40B10C/DL/BL
				13320	40B10C/DLSW/BL
310938	40BA9C/4M	40050	40CAC/L 120V		
		22812	40CAC/LL/BB CD/2 120V		
231456	BC-40F15/LL	18896	40FM CD/2 120V	13974	40F/CL
329722	BC-40F15/WLL	18899	40FM/W CD/2 120V	13984	40F/W/BL/2PK
		18897	40FM/AU CD/2 120V	13985	40F/IC/BL/2PK
				13986	40F/AIC/BL/2PK
		14958	40GC 12PK 120V	13702	40G16-1/2/C
329771	BC-40G16 1/2/LL	17730	40GC CD/2 120V	13666	40G16-1/2/C/BL

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Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
		23511	40GC/AU CD/2 120V		
		12999	40GC/W 12PK 120V		
329789	BC-40G16 1/2/WLL	17732	40GC/W CD/2 120V	13667	40G16-1/2/C/W/BL
311340	40G16 1/2C/4M			13700	40G16 1/2C/4M
				13699	40G16 1/2C/W/4M
				13655	40G16 1/2CT/BL
250043	40G25	12980	40G25 6PK 120V	14283	40G25/RP
		25548	40G25 CPK 120V	14266	40G25
		20419	40G25/L 24PK 120V	14147	40G25/DL/RP
		12979	40G25/W 6PK 120V	14287	40G25/W/RP
		25547	40G25/W CPK 120V	14267	40G25/W/RP
		22991	40G25/W/PRO 6PK 120V		
		20420	40G25/W/L 24PK 120V	14148	40G25/DLSW/RP
		20823	40G25/NEO 6PK 120V		
				14234	40G25/CT/RP
		27499	40G30/W 120V	14405	40G30/W/RP
		37914	40G40 120V	14619	40G40/RP
		36191	40G40/W 6PK 120V	14620	40G40/W/RP
				13733	48B10C/4M/SS/BL
				13734	48B10C/W/4M/SS/BL
				13735	48B10/4M/SS/BL
				13736	48B10/W/4M/SS/BL
				14228	48G25/4M/SS/RP
				14272	48G25/W/4M/SS/RP
329698	BC-60B10 1/2/LL	47949	60BC CD/2 120V	13684	60B10C/T/BL/2PK
		27298	60BC/CD4 120V		
				13685	60B10C/W/T/BL/2PK
31116-7	60B10 1/2/4M				
		22757	60BM CD/2 120V	13721	60B10/T/BL/2PK
		27497	60BM/CD4 120V		
				13722	60B10/W/T/BL/2PK
329623	BC-60BA9 1/2/LL	47948	60CAM CD/2 120V	13442	60B10/BL/2PK
		21009	60CAM CD/4 120V		
329631	BC-60BA9 1/2/FLL			13443	60B10/W/BL/2PK
310995	60BA9 1/2/4M			13323	60B10/DL/BL
				13324	60B10/DLSW/BL
		15781	60CAC 25PK 120V	13588	60B10C/6/RP
231951	BC-60BA9C/LL	19153	60CAC 6PK CD/2 120V	13460	60B10C/BL/2PK
278044	BC-60BA9C/LL/4	16050	60CAC CD/4 120V		
222067	BC-60BA9C/FLL	47947	60CAC/F CD/2 120V	13461	60B10C/W/BL/2PK
		16051	60CAC/F CD/4 120V		
310953	60BA9C/4M			13377	60B10C/DL/BL
				13778	60B10C/DLSW/BL
				13993	60F/CL
				13992	60F/BL
				13982	60F/IC/BL/2PK
329730	BC-60F15/LL				
		23091	60GC CD/2 120V		
		23093	60GC/W CD/2 120V		
				13656	60G16-1/2/CT/BL
		14846	60G25 6PK 120V	14261	60G25/RP
		20427	60G25 24PK 120V	14280	60G25
		14848	60G25/W 6PK 120V	14262	60G25/W/RP
		20428	60G25/W 24PK 120V	14281	60G25/W
				14149	60G25/DL/RP
				14150	60G25/DLSW/RP
				14238	60G25/CT/RP
281410	60G30/4MW	14850	60G30/W 6PK 120V	14406	60G30/W/RP

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Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
				14407	60G30/RP
202028	60G40/4M	14187	60G40 6PK 120V	14621	60G40/RP
202010	60G40/4MW	49780	60G40/W 6PK 120V	14622	60G40/W/RP
		16741	60G40/W CPK 120V		
		36193	75G40/W 6PK 120V		
290023	60F20/POST LT				
		10695	75E17/TF 6PK 120V		
				14757	75SCH/SL/RP
				14758	75SCH/F/SL/RP
317651	100F20/POST LT	27287	100F20/TF/POST 120V		
281501	100G30/4MW				
361873	100G40/4M			14623	100G40/RP
202481	100G40/4MW	49781	100G40/W 6PK 120V	14624	100G40/W/RP
		16742	100G40/W CPK 120V		
202655	150G40/4MW	16585	150G40/W 120V	14913	150G40/W
		44848	PLK-1 120V	19075	75R30/GRO/H GRO-LUX FIXT
HALOGEN LAMPS					
				14553	35PAR14/CAP/FL/RP
				14506	35PAR20/CAP/WFL 120V
				14461	35PAR20/CAP/WFL 130V
				14464	35PAR20/CAP/NFL 120V
				14459	35PAR20/CAP/NFL 130V
				14467	35PAR20/CAP/NSP 120V
				14460	35PAR20/CAP/NSP 130V
				14759	35PAR30LN/CAP/NSP
				14764	35PAR30LN/CAP/WFL
		19873	35PAR36/H/SP5 12V	55100	36PAR36CAP/VNSP 5 12V
		19876	35PAR36/H/SP8 12V	55090	35PAR36CAP/NSP 13 12V
		19877	35PAR36/H/FL30 12V	55091	36PAR36CAP/WFL 32 12V
263350	45PAR16/HAL/NSP10 120V				
263384	45PAR16/HAL/NSP10 130V				
263459	45PAR16/HAL/NFL27 120V				
263483	45PAR16/HAL/NFL27 130V				
250777	BC45PAR16/HAL/NSP				
250801	BC45PAR16/HAL/NFL				
250447	45PAR38/HAL/SP12 120V	17470	45PAR/H/SP10 120V	14589	45PAR38/CAP/SPL/SP 120V
250959	45PAR38/HAL/SP12 130V	16229	45PAR/H/SP10 130V	14592	45PAR38/CAP/SPL/SP 130V
268839	45PAR38/HAL/FL28 120V	17471	45PAR/H/FL25 120V	14588	45PAR38/CAP/SPL/FL 120V
250975	45PAR38/HAL/FL28 130V	16231	45PAR/H/FL25 130V	14591	45PAR38/CAP/SPL/FL 130V
229468	45PAR38/HAL/SP12/LL 120V				
229476	45PAR38/HAL/SP 12/LL 130V				
249516	45PAR38/HAL/FL28/LL 120V				
229492	45PAR38/HAL/FL28/LL 130V				
				14590	45PAR/CAP/NSP 120V
				14593	45PAR/CAP/NSP 130V
				14010	45PAR/CAP/WFL
		40793	45PAR/HIR/FSP12 /XL 120V		
		40790	45PAR/HIR/FL40 /XL 120V		
		17980	50PAR/H/SP10		
		17979	50PAR/H/FL25 120V		
		17926	50PAR/H/FL25 130V		
229062	50PAR20/HAL/NSP9	14927	50PAR20/H/SP10 120v	14500	50PAR20/CAP/NSP
229088	50PAR20/HAL/SP16				
		17866	50PAR20/H/SP10 130V	14528	50PAR20/CAP/NSP
229112	50PAR20/HAL/NFL30	14928	50PAR20/H/FL25 120V	14502	50PAR20/CAP/NFL
229211	50PAR20/HAL/NFL30	17868	50PAR20/H/FL25 130V	14529	50PAR20/CAP/NFL

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Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
263491	50PAR30/HAL/NSP10	14023	50PAR30/H/SP10 120V	14526	50PAR30/CAP/NSP
263574	50PAR30/HAL/NSP10	17870	50PAR30/H/SP10 130V	14530	50PAR30/CAP/NSP
263582	50PAR30/HAL/NFL30	17871	50PAR30/H/FL25 120V	14527	50PAR30/CAP/NFL
263624	50PAR30/HAL/NFL30	17872	50PAR30/H/FL25 120V	14531	50PAR30/CAP/NFL
263640	50PAR30/HAL/FL40	14022	50PAR30/H/FL35 120V	14710	50PAR30/CAP/FL
263848	50PAR30/HAL/FL40	17874	50PAR30/H/FL35 130v	14533	50PAR30/CAP/FL
				14916	50PAR30/CAP/2NFL
229229	50PAR30L/HAL/NSP9	14940	50PAR30L/H/SP10 120V	14509	50PAR30LN/CAP/NSP
		11117	50PAR30L/H/SP10 130V		
229237	50PAR30L/HAL/SP16			14482	50PAR30LN/CAP/NSP
229252	50PAR30L/HAL/NFL30			14520	50PAR30LN/CAP/NFL
229260	50PAR30L/HAL/NFL30			14478	50PAR30LN/CAP/NFL
229278	50PAR30L/HAL/FL40	11116	50PAR30L/H/FL40 120V		
229286	50PAR30L/HAL/FL40	11123	50PAR30L/H/FL40 130V		
236455	50PAR30L/HAL/WFL60	14941	50PAR30L/H/WFL 120V	14537	50PAR30LN/CAP/WFL
284729	50PAR30L/HAL/WFL60			14486	50PAR30LN/CAP/WFL
		19902	50PAR30/HIR/SP9 120V		
		21534	50PAR30/HIR/SP9 130V		
		19901	50PAR30/HIR/FL25 120V		
		21533	50PAR30/HIR/FL25 130V		
		19900	50PAR30/HIR/FL35 120V		
		19903	50PAR30/HIR/FL35 130V		
		19878	50PAR36/H/SP5 12V	55118	50PAR36/CAP/NSP
		19879	50PAR36/H/SP8 12V		
		19880	50PAR36/H/FL30 12V		
		12396	50PAR/HIR/SP10 120V		
		22843	50PAR/HIR/SP10 130V		
		12397	50PAR/HIR/FL25 120V		
		22850	50PAR/HIR/FL25 130V		
		20647	50A/HAL6PK 120V	18907	42MB/CAP
		16747	50A/HAL 130V	18908	42MB/CAP
				18921	52MB/CAP
				18922	52MB/CAP
		40794	55PAR/HIR/SP12 /XL 120V		
		40792	55PAR/HIR/FL40 /XL 120V		
330043	60PAR16/HAL/NSP10			59032	60PAR16/CAP/NSP
330050	60PAR16/HAL/NSP10			59040	60PAR16/CAP/NSP
330068	60PAR16/HAL/NFL27			59030	60PAR16/CAP/NFL
330076	60PAR16/HAL/NFL27			59038	60PAR16/CAP/NFL
213884	BC60PAR16/HAL/NSP				
213900	BC60PAR16/HAL/NFL				
230599	60PAR38/HAL/SP10/WLL	25266	60PAR/H/SP10 120V	14469	60PAR/CAP/SPL/SP
233098	60PAR38/HAL/SP10/WLL	25270	60PAR /H/SP10 130V	14449	60PAR/CAP/SPL/SP
230623	60PAR38/HAL/WSP12/WLL			14423	60PAR/CAP/WSP
233304	60PAR38/HAL/WSP12/WLL				
230506	60PAR38/HAL/FL28/WLL	25269	60PAR/H/FL25 120V	14468	60PAR/CAP/SPL/FL
233569	60PAR38/HAL/FL28/WLL	25271	60PAR/H/FL25 130V	14448	60PAR/CAP/SPL/FL
263855	60PAR38/HAL/WFL60/WLL				
284711	60PAR38/HAL/WFL60/WLL				
357517	60PAR30S/HAL/NSP10	27212	60PAR30/H/SP10 120V		
357525	60PAR30S/HAL/NSP10				
357533	60PAR30S/HAL/NFL30	40167	60PAR30/H/FL25 120V	14333	60PAR30/CAP/NFL
357889	60PAR30S/HAL/NFL30				
357582	60PAR30S/HAL/FL40	27214	60PAR30/H/FL35 120V		
357624	60PAR30S/HAL/FL40 130V				
		18627	60PAR/HIR/SP10 120V		
		18629	60PAR/HIR/ SP10 130V		
		23227	60PAR/HIR/SP12 120V		

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Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
		18626	60PAR/HIR/FL30 120V		
		18628	60PAR/HIR/FL30 130V		
		10467	60PAR/HIR/FL40 120V		
		20947	60PAR/HIR/WFL 120V		
		20948	60PAR/HIR/WFL 130V		
				59034	75PAR16/CAP/NFL 120V
				59042	75PAR16/CAP/NFL 130V
				59036	75PAR16/CAP/NSP 120V
				59044	75PAR16/CAP/NSP 130V
284794	75PAR30S/HAL/SP10	14802	75PAR30/H/SP10 120V	14604	75PAR30/CAP/NSP 120V
		18056	75PAR30/H/SP10 130V	14628	75PAR30/CAP/NSP 130V
284885	75PAR30S/HAL/NFL30	18057	75PAR30/H/FL25 120V	14603	75PAR30/CAP/NFL 120V
				14627	75PAR30/CAP/NFL 130V
284919	75PAR30S/HAL/FL40 120V	14779	75PAR30/H/FL35 120V	14606	75PAR30/CAP/FL 120V
284927	75PAR30S/HAL/FL40 130V	18060	75PAR30/H/FL35 130V	14629	75PAR30/CAP/FL 130V
229302	75PAR30L/HAL/NSP9	11124	75PAR30L/H/SP10 120V	14786	75PAR30LN/CAP/NSP 120V
		11129	75PAR30L/H/SP10 130V	14777	75PAR30LN/CAP/NSP 130V
229344	75PAR30L/HAL/SP16 120V				
229419	75PAR30L/HAL/NFL30 120V	14943	75PAR30L/H/FL25 120V	14769	75PAR30LN/CAP/NFL
229435	75PAR30L/HAL/NFL30 130V	11131	75PAR30L/H/FL25 130V	14778	75PAR30LN/CAP/NFL
229443	75PAR30L/HAL/FL40 120V				
229450	75PAR30L/HAL/FL40 130V				
		16393	75PAR30L/H/WFL 120V	14768	75PAR30LN/CAP/WFL 120V
				14785	75PAR30LN/CAP/WFL 130V
287821	75PAR38/HAL/SP10/WLL 120V	14751	75PAR/H/SP9 120V	14514	75PAR/CAP/SPL/SP 120V
287839	75PAR38/HAL/SP10/WLL 130V			14516	75PAR/CAP/SPL/SP 130V
287847	75PAR38/HAL/FL28/WLL 120V	14748	75PAR/H/FL25 120V	14513	75PAR/CAP/SPL/FL 120V
287854	75PAR38/HAL/FL28/WLL 130V	21389	75PAR/H/FL25 130V	14515	75PAR/CAP/SPL/FL 130V
				14510	75PAR/CAP/WSP 120V
				14517	75PAR/CAP/VWFL 130V
		27216	80PAR/HIR/SP10 120V		
		27217	80PAR/HIR/SP12 120V		
		27218	80PAR/HIR/FL25 120V		
250595	90PAR38/HAL/SP12 120V				
250991	90PAR38/HAL/SP12 130V				
268771	90PAR38/HAL/FL28 120V				
266007	90PAR38/HAL/FL28 130V				
230698	90PAR38/HAL/SP12/LL 120V	17450	90PAR/H/SP10 120V	14580	90 PAR/CAP/SPL/SP 120V
236505	90PAR38/HAL/SP12/LL 130V	13311	90PAR/H/SP10 130V	14578	90PAR/CAP/SPL/SP 130V
249532	90PAR38/HAL/FL28/LL 120V	17451	90PAR/H/FL25 120V	14579	90PAR/CAP/SPL/FL 120V
235013	90PAR38/HAL/FL28/LL 130V	13308	90PAR/H/FL25 130V	14577	90PAR/CAP/SPL/FL130V
236463	90PAR38/HAL/WFL60/LL 120V	25727	90PAR/H/WFL 120V		
283929	90PAR38/HAL/WFL60/LL 130V			14602	90PAR/CAP/SPL/WFL 130V
				14971	90PAR/CAP/2FL 120V
				14973	90PAR/CAP/2FL 130V
				14972	90PAR/CAP/2SP 120V
				14586	90PAR/CAP/NSP 120V
				14587	90PAR/CAP/NSP 130V
				14601	90PAR/CAP/NFL 130V
				14632	90PAR/CAP/3FL 120V
				14630	90PAR/CAP/3SP 120V
		40795	90PAR/HIR/SP12 /XL 120V		
		40791	90PAR/HIR/FL40 /XL		
		17691	90PAR/CB/H/FL25 120V	14791	90PAR38/CAP/2FL 120V
		20648	90A/HAL6PK 120V	18937	72MB/CAP
		16745	90A/HAL 130V	18938	72MB/CAP
		17992	100PAR/H/SP10 120V		
		17986	100PAR/H/FL25 120V		

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Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
		17947	100PAR/H/FL25 130V		
		18635	100PAR/HIR/SP10 120V		
		18636	100PAR/HIR/SP10 130V		
		18631	100PAR/HIR/FL25 120V		
		18633	100PAR/HIR/FL25 130V		
		10473	100PAR/HIR/FL40 120V		
				14855	120PAR/CAP/SPL/SP 120V
				14861	120PAR/CAP/SPL/SP 130V
				14856	120PAR/CAP/SPL/FL 120V
				14874	120PAR/CAP/SPL/FL 130V
				14594	120PAR/CAP/WFL 120V
		23719	Q250PAR/SP10 120V	14662	250KR38/SP 120-130V
		23718	Q250PAR/FL30 120V	14661	250K38/FL 120-130V
		30901	50MR16/Q/10 /TL 12V		
		30900	50MR16/Q/20 /TL 12V		
		30899	50MR16/Q/40 /TL 12V		
301044	20MRC11/SP10 12V	30754	Q20MR11/SP15 FTC 12V	55109	20MR11/SP/10 FTB 12V
301093	20MRC11/FL30 12V	30773	Q20MR11/NFL30 FTD 12V	55107	20MR11/FL/35 FTD 12V
		30774	Q35MR11/SP20 FTF 12V	55113	35MR11/SP/10 FTE 12V
		30890	Q35MR11/NFL30 FTH 12V	55111	35MR11/FL/40 FTH 12V
282186	20MR16/SP10 ESX 12V	25481	Q20MR16/SP 12V	58601	20MR16/NSP/8 ESX 12V
282194	20MR16/FL36 BAB 12V	25480	Q20MR16/FL 12V	58600	20MR16/FL/40 BAB 12V
				58604	35MR16/NSP/8 FRB 12V
				58602	35MR16/SP/20 FRA 12V
				58603	35MR16/FL/40 FMW 12V
282228	50MR16/SP10 EXT 12V	25483	Q50MR16/SP 12V	58608	50MR16/NSP/12 EXT 12V
282236	50MR16/NFL24 EXZ 12V			58605	50MR16/NFL/25 EXZ 12V
282244	50MR16/FL38 EXN 12V	25482	Q50MR16/FL 12V	58607	50MR16/FL40 EXN 12V
				58606	50MR16/VWFL40 FNV 12V
				58563	50MR16/NSP/10 FPA 12V
				58550	50MR16/NFL/25 FPC 12V
				58564	50MR16/FL40 FPB 12V
282327	73MR16/SP14 EYF 12V				
282350	73MR16/FL36 EYC 12V				
				58589	20MR16/B/NSP/8 12V
				58590	20MR16/B/FL/35 12V
				58591	35MR16/B/NSP/10 12V
				58593	35MR16/B/FL/35 12V
356386	50MRC16/SP10/A 12V			58594	50MR16/B/NSP/11 12V
356402	50MRC16/NFL24/A 12V			58595	50MR16/B/NFL/25 12V
356394	50MRC16/FL40/A 12V			58596	50MR16/B/FL/35 12V
				58559	50MR16/B/NSP/10 12V
				58561	50MR16/B/NFL/25 12V
				58560	50MR16/B/FL/35 12V
333039	20MRC16/SP10 12V			58569	20MR16/B/NSP/8/C 12V
333047	20MRC16/FL36 12V			58570	20MR16/B/FL/35/C 12V
333054	50MRC16/SP10 12V			58574	50MR16/B/NSP/11/C 12V
333062	50MRC16/NFL24 12V				
333070	50MRC16/FL36 12V			58575	50MR16/B/FL/35/C 12V
		20816	Q20MR16/C/VNSP7 ESX 12V	58550	20MR16/T/NSP/10 12V
		20815	Q20MR16/C/NSP15 ESX 12V		
		20814	Q20MR16/C/FL40 BAB 12V	58551	20MR16/T/FL/40 12V
				58562	20MR16/T/VWFL/60 12V
		20826	Q35MR16/C/SP20 FRA 12V	58558	35MR16/T/NSP/10 12V
		20825	Q35MR16/C/FL40 FMW 12V	58557	35MR16/T/FL/40 12V
				58552	35MR16/T/VWFL/60 12V
		20830	Q42MR16/C/VNSP9 EZY 12V		
		20839	Q50MR16/C/NSP15 EXT 12V	58556	50MR16/T/NSP/10 12V

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Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
		20835	Q50MR16/C/NFL25 EXZ 12V	58555	50MR16/T/NFL/25 12V
		20834	Q50MR16/C/NFL30 EXK		
		20833	Q50MR16/C/FL40 EXN 12V	58554	50MR16/T/FL/40 12V
		20832	Q50MR16/C/WFL55 FNV 12V	58553	50MR16/T/VWFL/60 12V
		20843	Q71MR16/C/NSP15 EYF 12V	58566	50MR16/T/NSP/10 12V
		20841	Q17MR16/C/NFL25 EYJ 12V	58567	50MR16Q/25/NFL/T 12V
		20840	Q71MR16/C/FL40 EYC 12V	58571	50MR16/T/FL/40 12V
				58572	50MR16/T/VWFL/60 12V
269621	20MRC16/CC/SP10 12V				
269662	20MRC16/CC/NFL24 12V	20858	Q20MR16/C/CG15 ESX 12V		
269704	20MRC16/CC/FL38	20857	Q20MR16/C/CG40 BAB 12V		
		20864	Q35MR16/C/CG12 FRB 12V		
		20860	Q35MR16/C/CG20 FRA 12V		
		20859	Q35MR16/C/CG40 FMW 12V		
269779	50MRC16/CC/SP10 12V	20872	Q50MR16/C/CG15 EXT 12V		
269811	50MRC16/CC/NFL24	20871	Q50MR16/C/CG25 EXZ 12V		
270710	50MRC16/CC/FL38	20867	Q50MR16/C/CG40 EXN 12V		
		20850	Q50MR16/C/CG55 FNV 12V		
		20876	Q71MR16/C/CG15 EYF 12V		
		20874	Q71MR16/C/CG25 EYJ 12V		
		20873	Q71MR16/C/CG40 EYC 12V		
				58641	37MR16/IR/NSP/10 12V
				58634	37MR16/IR/NFL/25 12V
				58633	37MR16/IR/FL/40 12V
328393	15ALR18/SP14 GBC 6V				
328401	20ALR12/NSP6 GBD 12V				
340026	20ALR12/SP18 GBE 12V				
340034	20ALR12/FL32 GBF 12V				
328260	50ALR18/SP10 GBJ 12V				
340919	50ALR18/NFL25 GBK 12V				
				59013	20AR70/8/SP 12V
				59012	20AR70/25/FL 12V
				59017	50AR70/8/SP 12V
				59016	50AR70/25/FL 12V
				55101	35AR111/4/SSP 6V
				55105	50AR111/4/SSP 12V
				55104	50AR111/8/SP 12V
				55103	50AR111/25/FL 12V
				55125	75AR111/8/SP 12V
				55123	75AR111/25/FL 12V
				55124	75AR111/45/WFL 12V
				55129	1050AR111/8/SP 12V
				55127	105AR111/25/FL 12V
				55128	1050AR111/45/WFL 12V
				18968	50A/HAL/CRYSTAL 120V
249243	BC60BT15/HAL/CL 120V				
249268	BC60BT15/HAL/W 120V			18960	60A/HAL/RP 120V
249276	B750BT15/HAL/W 120V			18950	75A/HAL 120V
				18969	75A/HAL/CRYSTAL 120V
249318	BC100BT15/HAL/W 120V			18970	100A/HAL/RP 120V
249334	BC150BT15/HAL/W 120V				
289398	BC25F15/HAL/CL 120V				
289405	BC25G25/HAL/W 120V				
289439	BC25F10 1/2/HAL/CL 120V				
289397	BC40F15/HAL/CL 120V				
289413	BC40G25/HAL/W 120V				
289447	BC40F10 1/2/HAL/CL 120V				
282061	BC60F15/HAL/CL 120V				

PHILIPS		GE		SYLVANIA	
Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
289421	BC60G25/HAL/W 120V				
289454	BC60F10 1/2/HAL/CL 120V				
				18890	75T10/HAL/CL 120V
				18891	75T10/HAL/F 120V
				18892	100T10/HAL/CL 120V
				18893	100T10/HAL/F 120V
				18894	150T10/HAL/CL 120V
				18895	150T10/HAL/F 120V
				18896	250T10/HAL/CL 120V
				18897	250T10/HAL/F 120V
				58690	5T3Q/CL/TR 12V
				58691	10T3Q/CL/AX 12V
				58692	10T3Q/CL/AX/6V
				58694	20T3Q/CL/AX 12V
				58663	20T4Q/CL/AX 12V
				58672	35T4Q/CL/AX 12V
				58676	50T4Q/CL/AX 12V
				58680	75T4Q/CL/AX 12V
				58684	90T4Q/CL/AX 12V
				58662	20T3QCL 24V
				58678	50T4Q/CL/AX 24V
				58686	100T4Q/CL/AX 24V
232603	5W/12V/CAPSULE	42959	Q5T3CL 12V	58502	Q5T3/CL 12V
				58651	Q5T3/F 12V
232629	10W/12V/CAPSULE	34674	Q10T3/CL 12V	58508	Q10T3/CL 12V
				58656	Q10T3/F 12V
		19371	Q10T3/CL/CD 5PK 12V	58500	10T3Q/CL/RP 12V
232645	20W/12V/CAPSULE	34715	Q20T2.5/12V/CL 12V		
213934	BC-20W/12V/CAPSULE	19375	Q20T3/CL/CD 5PK 12V	58505	20T3Q/CL/RP 12V
232702	20W/24V/CAPSULE				
295535	35W/12V/CAPSULE	34708	Q35T3/12V/CL 12V		
				58698	50T4Q/F 12V
232502	50W/12V/CAPSULE	34702	Q50T3/12V/CL 12V	58675	50T4Q/CL 12V
213678	BC-50W/12V/CASULE	19376	Q50T4/CL/CD 5PK 12V	58660	50T4Q/CL/RP 12V
		19377	Q75T4/CL/CD 5PK 12V	58650	75T4Q/CL/RP 12V
		34676	Q100T3/12V/CL 12		
		34663	Q100T3/24V/CL 24V		
		23850	Q45T21/2/CL 7V		
		41541	Q45T4/CL 6.6A		
223050	75Q/CL 28V	39574	Q75CL 28V	58876	75Q/CL/MS/28V
		12715	Q75CL/MC/CD 120V	58884	75Q/CL/MC/RP 120V
		22489	Q100T3/CL/CD 5PK 120V	58887	100T3Q/S/CL/RP 120V
442632	100Q/CL 120V	15507	Q100CL/MC 120V	58761	100Q/CL/MC (ESN) 120V
				58760	100Q/CL/MC 130V
		19383	Q100CL/MC/CD 5PK 120V	58817	100Q/CL/MC/RP (ESN) 120V
307595	100Q/CL 120V (ESN)	44385	Q100CL/MC/2V (ESN) 120V		
		16452	Q100MC 120V		
		44506	Q100MC/2V (ETE) 120V		
		15508	Q100CL/DC 120V		
				58732	100Q/CL/DC 130V
442780	100Q/CL/DC 120V (ESR)	44386	Q100CL/DC/2V 120V (ESR)	58755	100Q/CL/DC (ESR) 120V
		16451	Q100DC 120V		
442806	100Q/DC 120V (ETD)	44507	Q100DC/2V 120V (ETD)	58757	100Q/DC 120V (ETD)
		19378	Q150T3/CL/CD 5PK 120V	58885	150T3Q/CL/RP 120V
				58886	150T3Q/S/CL/RP 120V
		27449	Q150T3/117/CL/CD 5PK 120V		
		23710	Q150T4/CL 25V		
266767	150Q/CL/DC ETC 120V	43693	Q150CL/DC 120V ETC	58741	150Q/CL/DC 120V (ETC)

PHILIPS		GE		SYLVANIA	
Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
				58748	150Q/CL/DC 130V
		44384	Q150CL/DC/2V 120V ESP	58742	150Q/CL/DC/1 120V ESP
298505	150Q/DC ETF 120V	44503	Q150DC ETF 120V	58737	150Q/DC ETF
347542	150Q/CL 120V	43694	Q150CL/MC 120V ETG	58735	150Q/CL/MC/2 ETG
200493	150Q/CL 130V				
		19386	Q150CL/MC/CD 5PK 120V		
		44383	Q150CL/MC/2V ESL 120V	58738	150Q/CL/MC ESL 120V
				58733	150Q/CL/MC 130V
298562	150Q ETH 120V	44504	Q150MC ETH 120V	58736	150Q/MC ETH 120V
380352	200T3Q/CL 120V	15080	Q200T3 6PK 120V		
		43713	Q200T3/CL 6PK 120V	58917	200T3Q/CL 120V
273946	6.6A/T4Q/CL200	40702	Q200T4/CL 6.6A		
		12282	Q225T2/CL/ULTRA 5 PK 120V		
		11548	Q235T4/3 33V		
		22850	Q250T3/CL 6 PK 120V		
		22121	Q250T3/CL/CD 5 PK CARD 120V		
		43701	Q250DC ETB 120V	58753	250Q/DC ETB 120V
		43702	Q250DC 130V	58754	250Q/DC 130V
		43695	Q250MC ESM 120V	58763	250Q/MC ESM 120V
		43696	Q250MC 130V	58765	250Q/MC 130V
315846	250Q/CL/DC ESS 120V	43697	Q250CL/DC ESS 120V	58720	250Q/CL/DC ESS 120V
228940	250Q/CL/DC 130V	43698	Q250CL/DC 130V		
306142	250Q/DC/LP				
378570	250Q/CL EHT 120V	43699	Q250CL/MC EHT 120V	58762	250Q/CL/MC EHT 120V
		19387	Q250CL/MC/CD 5 PK 120V		
228866	250Q/CL 130V	43700	Q250CL/MC 130V	58764	250Q/CL/MC 130V
382069	300T3W EHZ 120V	43704	Q300T3 EHZ 6PK 120V		
		19379	Q300T3/CL/CD 5PK CARD 120V	58920	300T3Q/CL/RP EHM 120V
		27447	Q300T3/CL/CD2 5PK 120V		
314740	300T3Q/CL EHM	43703	Q300T3/CL EHM 6PK 120V	58923	300T3Q/CL EHM 120V
		43705	Q300T4/CL EHP 120V	58942	300T4Q/CL EHP 120V
		13894	Q350T3/CL/HIR 120V		
		14311	Q350T3/CL/HIR 130V		
		12283	Q350T3/CL/ULTRA 5 PK 120V		
		43706	Q400MC 120V	58767	500Q/MC EYX 120V
		43707	Q400CL/MC 120V		
		43708	Q400T4/CL EHR 120V	58936	400T4Q/CL 120V EHR 120V
		11178	Q425T3/CL 120V		
356196	500PAR56Q/NSP 120V	43494	Q500PAR56NSP 120V	56210	500PAR56Q/NSP 120V
356212	500PAR56Q/MFL 120V	43495	Q500PAR56MFL 120V	56211	500PAR56QMFL 120V
356204	500PAR56Q/WFL 120V	43496	Q500PAR56WFL 120V	56212	500PAR56Q/WFL 120V
		23717	Q500T3 12PK 130V		
		23731	Q500T3/CL FCL 120V	58856	500T3Q/CL FCL 120V
		19382	Q500T3/CL/CD 5PK CARD 120V	58850	500T3Q/CL/RP FCL 120V
		27448	Q500T3/CL/CD2 5PK 120V		
392845	500T3Q/P/CL 125-130V	23733	Q500T3/CL DVS 130V	58902	500T3Q/CL 130V
		23744	Q500T3/CL/6 12PK 120V		
315853	500Q/DC 120V	43709	Q500DC 120V		
		43710	Q500CL/DC 120V		
		39071	Q500T8/1CL 20A		
				58767	500Q/MC EYX 120V
				58768	500Q/MC EYV 130V
380790	500Q/CL EVR			58766	500Q/CL/MC EVR 120V
				58756	500Q/CL/MC EYW 130V
269712	500Q/CL EHD 120V				
				58769	750Q/CL/MC EYT 120V
269720	750QCL EHG 120V				
		13642	Q900T3/CL/HIR 240V		

PHILIPS		GE		SYLVANIA	
Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
		14335	Q900T3/CL/HIR 277V		
275552	1000PAR64Q/NSP 120V	43497	Q1000PAR64/NSP 120V	56206	1000PAR64NQ/NSP
275560	1000PAR64Q/MFL 120V	43498	Q1000PAR64/MFL 120V	56207	1000PAR64Q/MFL 120V
275586	1000PAR64Q/WFL 120V	43499	Q1000PAR64/WFL 120V	56208	1000PAR64Q/WFL 120V
				56214	Q1000PAR64/1 120V
				56215	Q1000PAR64/2 120V
				56216	Q100PAR64/6 120V
				56217	Q1000PAR64/5 120V
		23781	Q1000R60FL 120V		
		43711	Q1000T3/CL 6PK 220V		
383208	1000T3Q/P/CL 240V	43712	Q1000T3/CL 6 PK 240V	58948	1000T3Q/CL 240V
387118	1000T6Q/CL DWT 120V	23800	Q1000T6/CL DWT 120V	58937	1000T6Q/CL DWT 120V
		41734	Q1000T20BP 120V		
378067	1500T3Q/P/CL 208V	23828	Q1500T3/CL 12PK 208V	58859	1500T3Q/CL/208V
375360	1500T3Q/P/CL 220V	23826	Q1500T3/CL 12PK 220V		
238675	1500T3Q/P/CL 240V	23830	Q1500T3/CL 240V	58857	1500T3Q/CL/240V
		23836	Q1500T3/CL/6 12PK 240V		
238683	1500T3Q/P/CL 277V	23832	Q1500T3/CL 277V	58858	1500T3Q/CL/277V
		23843	Q6M/T3/CL/HT 480V		
		13511	Q6000T3/CL 480V		
		38271	Q6.6A/PAR56/2 200W		
		18309	Q6.6A/PAR56/4 200W		
		33279	Q6.6A/PAR56/3 200W		
		13224	Q6.6A/PAR64/2P 6 PK 200W	14985	6.6/PAR64/2 200W
		13223	Q6.6A/PAR64/3P 6PK 300W	56221	6.6A/PAR64/3P 300W
368688	6.6A/T2 1/2Q/5CL 45W	23847	Q6.6A/T21/2/1CL 45W	58804	6.6A/T2-1/2Q/1CL-45 45W
		23857	Q6.6A/T4/5CL 200W		
328781	6.6A/T4Q/DCR 6.6A	23860	Q6.6A/T4/DCR 200W		
		15482	Q20A/PAR56/C 300W		
		32861	Q20A/PAR56/2 300W		
		23863	Q20A/PAR56/3 499W		
		15485	Q20A/PAR56/1/C 500W	56227	20AQ/PAR56/1 500W
223826	300T3 115-125V	39019	QH300T3/CL 120V		
238428	375T3 115-125V	21337	QH375T3/CL 115V		
209973	375T3/7 120V	38893	QH375T3/CL/7 120V		
210013	500T3/7 120V	21788	QH500T3/CL 120V	59850	500T3/Q/IR 120V
200940	500T3/7 120V	21787	QH500T3/CL/7 120V	59822	500T3/Q/IR/7 120V
		22355	QH1000T3/CL 200V		
209957	1000T3 230V	22357	QH1000T3/CL 230V	59860	1000T3/Q/IR 240V
210005	1000T3/CL 230V	22358	QH1000T3/CL/1 230V		
		22350	QH1000T3/2CL/HT 230V		
288530	13561Y/98	22531	QH1200T3/CL 144V	59934	1200Q/IR/CL/HT 144V
		22532	QH1200T3/CL/HT 144V		
216762	1600T3 208V	22686	QH1600T3/CL 200V		
		22699	QH1600T3/CL/7 200V		
210039	1600T3/7 240V	22691	QH1600T3/CL/7 230V	59841	1600T3Q/IR/7 240V
216788	1600T3/7 240V	22688	QH1600T3/CL 230V	59864	1600T3Q/IR7 240V
215905	1600T3 277V	22695	QH1600T3/CL 277V	59936	1600T3Q/IR 277V
215921	2000T3/1CL/H 240V	22789	QH2M/T3/1CL/HT 230V		
		15551	QH2M/T3/1CL/HT/VB 230V		
		18668	QH2MT3/CL/VB 220V		
216481	2000T3/1CL/H/240V	22790	QH2M/T3/CL/HT 230V		
		12716	QH2MT3/CL/HT/R 230V		
238741	2500T3/CL 480V	22838	QH2500T3/CL 460V	59867	2500T3Q/IR 480V
216895	2500T3/7 480V	22837	QH2500T3/CL/7 460V	59803	2500T3Q/IR/7 480V
		10872	QH3650T3/CL/5 480V	59859	3650T3Q/IR/CL 480V
221283	3800T3 575V	22875	QH3800T3/CL 550V	59870	3800T3Q/IR
221275	3800T3/CL 575V	22878	QH3800T3/CL/VB 550V		

PHILIPS		GE		SYLVANIA	
Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
368456	5000T3/1CL/H 600V	22900	QH5M/T3/1CL/HT 575V		
HIGH INTENSITY DISCHARGE LAMPS					
223289	CDM35T6/830				
233650	CDM35PAR20/M/SP			64657	MPD39PAR30LN/U/830/SP
233643	CDM35PAR20/M/FL			64669	MPD39PAR30LN/U/830/FL
223297	CDM35PAR30/M/SP				
223305	CDM35PAR30/M/FL				
223370	CDM70T6/830	35421	CMH70/T/830/G12		
231605	CDM70TD/830	34519	CHM70/TD/830/R7S		
208843	MHC70/U/M/3K	22119	CHM70/U/830/MED	64652	MPD70/U/MED/830
208876	MCH70/C/U/M/3K	22124	CMH70/C/U/830/MED		
281295	MHC70/U/M/4K				
281337	MHC70/C/U/M/4K				
233668	MHC70/U/MP/3K				
233676	MHC70/C/U/MP/3K				
232249	CDM70/PAR30/M/SP	22152	CHM70/U/PAR30L/15	64661	MPD70PAR30LN/U/830/SP
232215	CDM70PAR30/M/FL	22159	CMH70/U/PAR30LN/U/830/SP		
222505	CDM70PAR38/M/SP/3PK				
222497	CDM70PAR38/M/FL/3PK				
232165	CDM70PAR38/M/WFL/3K				
288746	CDM70PAR38/M/WFL/4PK			64662	MPD70PAR30LN/U/830/FL
288720	CDM70PAR38/M/SP/4PK				
288738	CDM70PAR38M/FL/4K				
208884	MHC100/U/M/3K				
208892	MHC100/C/U/M/3K				
281352	MHC100/U/M/4K				
281360	MHC100/C/U/M/4K				
233684	MHC100/U/MP/3PK				
234443	MHC100/C/U/MP/3K				
244772	CDM100PAR38/SP/3K				
244764	CDM100PAR38/FL/3K				
244780	CDM100PAR38/WFL/3K				
288761	CDM100PAR38/SP/4K				
288787	CDM100PAR38/FL/4K				
288803	CDM100PAR38/WFL/4K				
232728	CDM150T6/830	36863	CMH150/T/830/G12		
231670	CDM150TD/830	36912	CMH150/TD/830/RX7S		
		12651	MXR32/C/VBU/0		
		16469	MXR32/C/VBU/0		
		18778	HAL32/120 BALLAST M100		
		10361	MXR50/U/MED		
		10364	MXR50/C/U/MED		
203877	MH50/U/M	12581	MVR50/U/MED		
204131	MH50/C/U/M	12583	MVR50/C/U/MED		
		12377	MXR70/U/MED/0		
		12577	MXR70/C/U/MED/0		
		22158	MXR70/U/MED		
		22162	MXR70/C/U/MED		
286583	MH70/U/M	12590	MVR70/U/MED		
303255	MH70/C/U/M	12594	MVR70/C/U/MED		
217158	MP70PAR/SP	12741	MXR70/U/PAR/SP	64590	MP70PAR38/U/SP20/ECO
217166	MP70PAR/FL	12745	MXR70/U/PAR/FL	64592	MP70PAR38/U/FL35/ECO
		12746	MXR70/U/PAR/WFL	64594	MP70PAR38/U/WFL65/ECO
		12381	MXR100/U/MED/0	64417	MP100/U/MED
		12579	MXR100/C/U/MED/0	64424	M100/C/BU/BD MH
		18679	MXR100/C/U/MED		

PHILIPS		GE		SYLVANIA	
Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
		18680	MXR100/U/MED		
286575	MH100/U/M	12652	MXR100/U/MED		
303263	MH100/C/U/M	12653	MVR100/C/U/MED		
354647	MP100PAR/SP	12747	MXR100/U/PAR/SP	64580	MP100PAR38/U/SP20/ECO
354654	MP100PAR/FL	12748	MXR100/U/PAR/FL	64582	MP100PAR38/U/FL35/ECO
		12749	MXR100/U/PAR/WFL	64584	MP100PAR38/U/VWFL65/ECO
		22935	MXR150/U/MED		
		22936	MXR150/C/U/MED		
354621	MH150/U/M	12598	MVR150/U/MED		
354639	MH150/C/U/M	12604	MVR150/C/U/MED		
				64593	MP150PAR38/U/SP20/ECO
				64597	MP150PAR38/U/FL35/ECO
				64599	MP150PAR38/U/VWFL65/ECO
308585	MH175/RFL				
315135	MH175/RSP				
		22342	MXR175/VBU/PA		
		11185	MXR175/C/VBU/PA		
276626	MS175/BU/PS	12622	MVR175/VBU/PA		
		12633	MVR175/C/VBU/PA		
		12636	MVR175/VBU/MED/PA		
		12637	MVR175/C/VBU/MED/PA		
276618	MS250/BU/PS	26317	MVR250/VBU/PA		
		26319	MVR250/C/VBU/PA		
247387	MS320/BU/PS	27501	MVR320/VBU/PA	64507	MS320/PS/BU ONLY
291823	MS320/C/BU/PS	64646	MS320/C/PS/BU ONLY		
278168	MS400/BU/PS	12642	MVR400/VBU/PA	64525	MS400/PS/BU ONLY
		12644	MVR400/C/VBU/PA	64527	MS400/C/PS/BU ONLY
				64474	M250/U/ET 28
				64488	M400/U/BT 28
				64489	M400/C/U/BT 28
				64469	M1000/U/BT 37
				64441	MS400/BU ONLY BT 28
				64443	MS400/HOR/BT 28
				64444	MS400/C/HOR/BT 37
		13481	MVR150/U/WM		
		13490	MVR150/C/U/WM		
313585	MH175/U/M	18902	MVR175/U/MED	64479	M175/U/MED
		26432	MVR175/U/MED/CP		
313593	MH175/C/U/M	19976	MVR175/C/U/MED	64480	M175/C/C/MED
287334	MH175/U	47760	MVR175/U	64471	M175/BU/BD ONLY
		26433	MVR175/U/CP		
287284	MH175/C/U	47761	MVR175/C/U	64472	M175/C/BU/BD ONLY
312876	MH175/3K/U	17634	MVR175/SP30/U	64473	M175/3K/BU ONLY
		25218	MVR175/PAR38/FL/1		
274845	MH250/U	42729	MVR250/U	64457	M250/U
		26434	MVR250/U/CP		
291690	MH250/C/U	42731	MVR250/C/U	64458	M250/C/U
311373	MH250/3K/U	17633	MVR250/SP30/U	64475	M250/3K/BU ONLY
		13495	MVR360/VBU/WM	64655	MS360/SS/BU HOR
		13469	MVR360/C/VBU/WM	64656	MS360/C/SS/BU HOR
344150	MH400/U	43828	MVR400/U	64490	M400/U
		26435	MVR400/U/CP		
344168	MH400/C/U	43829	MVR400/C/U	64492	M400/C/U
312850	MH400/3K/U	17632	MVR400/SP30/U		
278622	MH400/U/ED28	18904	MVR400/U/ED28		
		19979	MVR400/C/U/ED28		
298265	MH1000U	41826	MVR1000/U	64468	M1000/U
298273	MH1000/C/U	41827	MVR1000/C/U	64470	M1000/C/U

PHILIPS		GE		SYLVANIA	
Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
321505	MH1000/U/BT37	18205	MVR1000/U/BT37	64469	M1000/U/BT37
230284	MH1500/BU			64431	M1500/BU HOR
230201	MH1500/BD			64432	M1500/BD
286492	MS175/HOR	18104	MVR175/HOR	64439	MS175/HOR
286500	MS175/C/HOR	18105	MVR175/C/HOR	64440	MS175/C/HOR
286526	MS250/HOR	18101	MVR250/HOR	64448	MS250/HOR
286542	MS250/C/HOR	18103	MVR250/C/HOR	64449	MS250/C/HOR
				64496	MS250/3K/HOR
		40053	MVR360/VBU/WM/XHO		
		40055	MVR360/C/VBU/WM/XHO		
		26865	MVR400/VBU/STB		
		26866	MVR400/C/VBU/STB		
301705	MS400/BU	49657	MVR400/VBU	64450	MS400/BU ONLY
301721	MS400/BU/C	49656	MVR400/C/VBU	64452	MS400/C/BU ONLY
		49655	MVR400/VBD	64451	MS400/BD ONLY
311357	MS400/3K/BU	64454	MS400/3K/BU ONLY		
	MH400/U/ED28	40335	MVR400/VBU/BT28		M400/U/BT28
312850	MH400/3K/U	20931	MVR400/SP30/VBU		
		13923	MVR400/VBU/XHO		
		13924	MVR400/C/VBU/XHO		
		40201	MVR400/HOR/BT28		
286559	MS400/HOR	26218	MVR400/HOR/MOG	64445	MS400/HOR
28657	MS400/C/HOR	26219	MVR400/C/HOR/MOG	64446	MS400/C/HOR
				64498	MS400/3K/HOR
264465	MS400/HOR/5K				
250936	MS1000/BU	44835	MVR1000/VBU	64435	MS1000/BU ONLY
251306	MS1000/BD			64436	MS1000/BD ONLY
251371	MS1000/C/BU	13137	MVR1000/C/VBU	64460	MS1000/C/BU ONLY
230284	MH1500/BU	37405	MVR1500/HBU	64431	M1500/BU HOR
230201	MH1500/BD	37406	MVR1500/HBD	64432	M1500/BD
		27246	MVR1500/HOR		
		25532	MVR1650/HOR		
		12651	MXR32/C/VBD/O		
		16469	MXR32/C/VBU/O		
354787	MP50/U/M			64587	MP50/U/MED
354795	MP50/C/U/M			64588	MP50/C/U/MED
354761	MP70/U/M	12377	MXR70/U/MED/O	64547	MP70/U/MED
354779	MP70/C/U/M	12577	MXR70/C/U/MED/O	64546	MP70/C/U/MED
354209	MP100/U/M	12381	MXR100/U/MED/O	64417	MP100/U/MED
354225	MP100/C/U/M	12579	MXR100/C/U/MED/O	64418	MP100/C/U/MED
				64416	MP100/U/4K/MED
				64402	MP150/U/MED
				64406	MP150/C/U/MED
				64733	MP175/BU ONLY MED
				64773	MP175/BU ONLY
				64774	MP175/C/BU ONLY
				64404	MP250/BU ONLY
				64405	MP250/C/BU ONLY
		40056	MVR360/VBU/WM/O		
281105	MP400/BU	18708	MVR400/VBU/O	64705	MP400/BU ONLY
		13582	MVR400/C/VBU/O	64706	MP400/C/BU ONLY
				64717	MP400/BD ONLY
				64714	MP1000/BU ONLY
				64716	MP1000/C/BU ONLY
		12762	MVR250/VBU/R		
		12769	MVR250/C/VBU/R		
		26851	MVR400/U/ED28/R		
		12770	MVR400/VBU/R		

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Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
		12772	MVR400/C/VBU/R		
		10687	MVR325/I/U/WM		
		10688	MVR325/C/I/U/WM		
		43817	MVR400/I/U		
		43818	MVR400/C/I/U		
		39097	MVR950/I/VBU		
345983	MHT400/U	11146	MVT400/I/U		
346015	MHT400/C/U	11119	MVT400/C/I/U		
		11144	MVT400/VBU	64707	MT400/BU
		11145	MVT400/C/VBU	64709	MT400/C/BU
233585	MHT1000/U			64718	MT1000/BU-ONLY
				64354	HQI-SE70/WDX
		17443	ARC70/TD/730/R7S	64364	HQI-DE70/WDX-E
303503	MHN70/TD/840	34592	ARC70/TD/742/R7S	64362	HQI-DE70/NDX
				64360	HQI-DE70/WDX
		34813	CSS150/CAP/50		
		21053	ARC150/T/U/830/G12	64356	HQI-SE150/WDX
		21054	ARC150/T/U/840/G12	64342	HQI-SE150/NDX
		30095	ARC150/TD/730/R7S-24	64366	HQI-DE150/WDX
303552	MHN150/TD/840	17445	ARC150/TD/742/R7S-24	64368	HQI-DE150/NDX
				64564	M150T7/DE
		30080	MBI150/PAR64/30M	64339	HQI-R150/NDX/FO
		21285	MBI150/PAR64/30N		
303560	MHN250/TD/840	26683	ARC250/T/H/960/E39	64350	HQI-SE250/DX
		26685	KRC400/T/H/960/E39	64352	HQI-SE400/DX
				64374	HQI-DE250/NDX
				64378	HQI-DE250/DX
		29333	SPL1000/PAR64/840/G38		
		29336	SPL1000/PAR64/840/HR/G38		
				66634	M1000T7/DE
		30061	SPL1500/L/H/652/RX7SM	66619	M1500T7/DE
				66632	M1500T8/DE
313601	MHD1800W				
343012	MHD1800/HV				
				66631	M2000T9/DE
				64386	HQI-DE2000W/D/S
284737	SDW-T35W/LV				
302299	SDW-T50W/LV				
313445	SDW-T50W/LV/D				
302281	SDW-T100W/LV				
313460	SDW-T100W/LV/D				
306324	C35S76/M	11668	LU35/MED	67500	LU35/MED
		26420	LU35/MED/CP		
306332	C35S76/D/M	11669	LU35/D/MED	67501	LU35/D/MED
303362	C50S68/M	11345	LU50/MED	67502	LU50/MED
		26421	LU50/MED/CP		
303370	C50S68/D/M	11347	LU50/D/MED	67503	LU50/D/MED
331538	C50S68	44975	LU50	67510	LU50
		26425	LU50/CP		
331546	C50S68/D	45006	LU50/D	67511	LU50/D
331926	C70S62/M	11339	LU70/MED	67504	LU70/MED
		26422	LU70/MED/CP		
332148	C70S62/D/M	11340	LU70/D/MED	67505	LU70/D/MED
332197	C70S62	44033	LU70	67512	LU70
		26426	LU70/CP		
332254	C70S62/D	44035	LU70/D	67513	LU70/D
265413	C70S62/2	19264	LU70/SBY/LL	67540	LU70/SBY
306209	C70S62/RFL				

<i>PHILIPS</i>		<i>GE</i>		<i>SYLVANIA</i>	
Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
344465	C100S54/M	13250	LU100/MED	67506	LU100/MED
		26423	LU100/MED/CP		
344481	C100S54/D/M	13251	LU100/D/MED	67507	LU100/D/MED
332262	C100S54	44037	LU100	67514	LU100
		26427	LU100/CP		
332270	C100S54/D	44038	LU100/D	67515	LU100/D
265603	C100S54/2	19265	LU100/SBY/LL	67542	LU100/SBY
303479	C150S55/M	13252	LU150/MED	67508	LU150/MED
		26424	LU150/MED/CP		
303487	C150S55/D/M	13253	LU150/D/MED	67509	LU150/D/MED
331835	C150S55	44043	LU150/55	67516	LU150/55
		26429	LU150/55/CP		
332288	C150S55/D	44045	LU150/55/D	67517	LU150/55/D
265611	C150S55/2	19266	LU150/55/SBY/LL	67544	LU150/55/SBY
331553	C150S56	44243	LU150/100	67518	LU150/100
331561	C150S56/D	18245	LU150/100/D		
332296	C200S66	44206	LU200	67576	LU200
		23431	LU200/SBY/LL	67586	LU200/100/SBY
322917	C225S50/EW				
331702	C250S50	44047	LU250	67578	LU250
		26430	LU250/CP		
331710	C250S50/S	44049	LU250/S		
377176	C250S50/2	19270	LU250/SBY/LL	67582	LU250/SBY
331736	C250S50/D/28	44051	LU250/D	67521	LU250/D
202267	C310S67	44053	LU310	67580	LU310
322925	C360S15/EW			67613	LU350 SUPER
342857	C400S51	44054	LU400	67533	LU400
		26431	LU400/CP		
376889	C400S51/2	19272	LU400/SBY/LL	67584	LU400/SBY
346023	C400S51/D	44056	LU400/D	67524	LU400/D
346023	C400S52/ED37				
		30244	LU400/TD		
				67527	LU400T7RSC
317107	SON AGRO 430W			67615	LU430 PLANTA
239822	C600S106	27187	LU600/T	67614	LU600 SUPER
				67616	LU600 PLANTA
		14682	LU750	67547	LU750
323865	C1000S52/ED37				
209403	C1000S52	44058	LU1000	67307	LU1000
		27185	LU1000/SBY/LL	67543	LU1000/SBY
		30246	LU1000/TD		
		14672	LU70/ECO/NC	67497	LU70/PLUS/ECO
293183	C100S54/AL	14673	LU100/ECO/NC	67559	LU100/PLUS/ECO
293191	C150S55/AL	40390	LU150/ECO/NC	67494	LU150/PLUS/ECO
				67495	LU200/PLUS/ECO
276642	C250S50/AL	14674	LU250/ECO/NC	67572	LU250/PLUS/ECO
276675	C400S51/AL	14675	LU400/ECO/NC	67312	LU400/PLUS/ECO
306175	C70S62/C/M				
306217	C70S62/C/D/M	16611	LU70/DX/MED		
306159	C70S62/C				
306167	C70S62/C/D				
306357	C100S54/C/M				
306340	C100S54/C/D/M				
306373	C100S54/C				
306365	C100S54/C/D				
306472	C150S55/C/M				
306449	C150S55/C/D/M				
306431	C150S55/C/M	18094	LU150/DX/MED		

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Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
306423	C150S55/C/D	18092	LU150/55/DX		
302455	C250S50/C	11785	LU250/DX		
306522	C400S51/C	19650	LU400/DX		
311423	C150S63/RETROLUX	49943	LUH150/EZ	67528	ULX150
311449	C215S65/RETROLUX	49939	LUH215/EZ	67530	ULX215
311456	C360S64/RETROLUX	18012	LUH360/EZ	67531	ULX360
				67318	ULX880
234047	SOX-E18	21294	SOX-18	69510	SOX-18W
327817	SOX 35	21296	SOX-35	69511	SOX-35W
321513	SOX 55	21297	SOX-55	69512	SOX-55W
321521	SOX 90	21298	SOX-90	69513	SOX-90W
321539	SOX 135	21299	SOX-135	69514	SOX-135W
327999	SOX 180	30203	SOX-180	69515	SOX-180W
356642	H46DL-40-50/DX	12460	HR40/50DX45	69400	H45/46DL-40/50/DX
275248	H43AV-75DX	12461	HR75DX43	69402	H43AV-75/DX
		12464	HR100A38/A23		
356584	H38MP-100/DX	12467	HR100DX38/A23		
		17113	HR100DX38/MED	69403	H38AV-100/DX
337121	H38HT-100	12471	HR100A38/A23	69407	H38HT-100
337139	H38JA-100/DX	22575	HR100DX/38	69408	H38JA-100/DX
		26437	HR100DX38/CP		
251637	H44GS-100	24040	HR100PSP44	68843	H44GS-100 100W
				68844	H44JM-100
268664	H44GS-100/M	19648	HR100PSP44/MED	68846	H44GS-100/MDSK
		19647	HR100PFL44/MED		
		36238	HR100RFL38		
319475	H38BP-100/DX	36495	HR100RDXFL38	69405	H38BP-100/DX
319657	H39KB-175	24048	HR175A38	69411	H39KB-175
		26440	HR175A39/CP		
286591	H39KC-175/DX	24062	HR175DX39	69412	H39KC-175/DX
248054	H39KC-175/DX	26439	HR175DX39/CP		
322586	H38BM-175	24058	HR175RFL39		
301051	H39BP-175/DX	33026	HR175RDXFL39	69406	H39BP-175/DX
307132	H39BS-175	36445	HR175RFL39/M		
319855	H37KB-250	24068	HR250A37	69415	H37KB-250
248146	H37KC-250/DX	32127	HR250DX37	69416	H37KC-250/DX
377184	H33GL-400/DX/BT	32313	HR400DX33/BT		
252056	H33CD-400	23974	HR400A33	69419	H33CD-400
248427	H33GL-400/DX	23998	HR400DX33	69420	H33GL-400/DX
356600	H33DN-400/DX	33879	HR400RDX33		
356618	H33FS-400/DX	33938	HR400RDXFL33		
		14873	H400A33/T16	68893	H33AR-400
356626	H35ND-700/DX				
251074	H36GV-1000	24171	HR1000A36	69307	H36GV-1000
397075	H36GW-1000/DX	24191	HR1000DX36	69331	H36GW-1000/DX
356592	H34GW-1000/DX	32733	HR1000DX34	69332	H34GW-1000/DX
337147	H38JA-T100/DX			69410	H38JA-T100/DX
252692	H39KC-T175/DX	43391	HT175DX39	69414	H39KC-T175/DX
386631	H37KC-T250/DX			69418	H37KC-T250/DX
252924	H33GL-T400/DX	43363	HT400DX33	69422	H33GL-T400/DX
207423	H36GW-T1000/DX			69305	H36GW-T1000/DX
320598	S160E23/DX	45178	HSB160/M		
338947	S250E28/DX/M	45174	HSB250/M		
338996	S250E28/DX	45176	HSB250		
385161	S450BT37/C	40122	HSB450		
296202	S750R57	44012	HSB750R/120		
368647	S750R57/C				

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Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
LINEAR & U-BEND FLUORESCENT LAMPS					
				26100	ICE100/835
				26101	ICE100/841
				26150	ICE150/835
				26151	ICE150/841
230771	F14T5/830			20810	FP14/830
230791	F14T5/835			20812	FP14/835
230805	F14T5/841			20822	FP14/841
230813	F21T5/830			20823	FP21/830
230821	F21T5/835			20832	FP21/835
230839	F21T5/841			20835	FP21/841
230847	F28T5/830			20836	FP28/830
230854	F28T5/835			20841	FP28/835
230862	F28T5/841			20842	FP28/841
230888	F35T5/830			20843	FP35/830
230912	F35T5/835			20844	FP35/835
230953	F35T5/841			20845	FP35/841
290197	F24T5/830/HO			20846	FP24/830/HO
290205	F24T5/835/HO			20852	FP24/835/HO
290213	F24T5/841/HO			20853	FP24/841/HO
290221	F39T5/830/HO			20854	FP39/830/HO
290239	F39T5/835/HO			20855	FP39/835/HO
290254	F39T5/841/HO			20856	FP39/841/HO
290262	F54T5/830/HO			20857	FP54/830/HO
290288	F54T5/835/HO			20858	FP54/835/HO
290833	F54T5/841/HO			20860	FP54/841/HO
				20863	FP80/830/HO
				20864	FP80/835/HO
				20865	FP80/841/HO
290106	FC9T5/830				
290114	FC9T5/835				
290122	FC9T5/841				
290148	FC12T5/830				
290163	FC12T5/835				
290171	FC12T5/841				
220830	F17T8/TL930				
221549	F17T8/TL950				
				21978	FO17/827
319806	F17T8/TL830	22642	F17T8/SPX30	21882	FO17/830
323048	F17T8/TL835	22646	F17T8/SPX35	21883	FO17/835
319830	F17T8/TL841	22647	F17T8/SPX41	21884	FO17/841
320614	F17T8/TL730	17033	F17T8/SP30	21849	FO17/730
322974	F17T8/TL735	17035	F17T8/SP35	21832	FO17/735
320622	F17T8/TL741	17036	F17T8/SP41	21831	FO17/741
221580	F25T8/TL930				
221598	F25T8/TL950				
				21979	FO25/827
319848	F25T8/TL830	22648	F25T8/SPX30	21886	FO25/830
257980	F25T8/TL835	22650	F25T8/SPX35	21887	FO25/835
319897	F25T8/TL841	22651	F25T8/SPX41	21888	FO25/841
320507	F25T8/TL730	15943	F25T8/SP30	21851	FO25/730
322982	F25T8/TL735	15944	F25T8/SP35	21817	FO25/735
320515	F25T8/TL741	15945	F25T8/SP41	21829	FO25/741
209049	F32T8/TL930/ALTO				
209056	F32T8/TL950/ALTO				
				21955	FO32/827
246678	F32T8/TL830/ALTO	22655	F32T8/SPX30	21890	FO32/830
246702	F32T8/TL835/ALTO	22656	F32T8/SPX35	21891	FO32/835

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Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
246710	F32T8/TL841/ALTO	22657	F32T8/SPX41	21892	FO32/841
272294	F32T8/TL850/ALTO	23460	F32T8SPX50	21980	FO32/850
272526	F32T8/TL730/ALTO	15946	F32T8SP30	21852	FO32/730
272281	F32T8/TL730/ALTO UPC	25396	F32T8/SP30/UPC		
272492	F32T8/TL735/ALTO	15947	F32T8/SP35	21823	FO32/735
272740	F32T8/TL735/ALTO UPC	25392	F32T8/SP35/UPC		
272484	F32T8/TL741/ALTO	15949	F32T8/SP41	21824	FO32/741
272690	F32T8/TL741/ALTO UPC	25394	F32T8/SP41/UPC		
		23384	F32T8/SP41/C		
272682	F32T8/TL750/ALTO	14613	F32T8/SP50	21809	FO32/750
		12132	F32T8/SP65	21993	FO32/765
319962	F40T8/TL830	22660	F40T8/SPX30	21893	FO40/830
257998	F40T8/TL835	22661	F40T8/SPX35	21894	FO40/835
319988	F40T8/TL841	22662	F40T8/SPX41	21895	FO40/841
320572	F40T8/TL730	15950	F40T8/SP30	21826	FO40/730
323014	F40T8/TL735	15951	F40T8/SP35	21820	FO40/735
320580	F40T8/TL741	15952	F40T8/SP41	21827	FO40/741
360008	F32T8/TL830PLUS/ALTO	12528	F32T8/XL/SPX30	21760	FO32/830/XP
360016	F32T8/TL835PLUS/ALTO	12529	F32T8/XL/SPX35	21761	FO32/835/XP
360024	F32T8/TL841PLUS/ALTO	12530	F32T8/XL/SP41	21762	FO32/841/XP
360032	F32T8/TL850PLUS/ALTO	12539	F32T8/XL/SPX50		
360040	F32T8/TL730PLUS/ALTO	25359	F32T8/XL/SP30		
360057	F32T8/TL735PLUS/ALTO	25360	F32T8/XL/SP35		
360131	F32T8/TL741PLUS/ALTO	25363	F32T8/XL/SP41		
360149	F32T8/TL750PLUS/ALTO				
246678	F32T8/TL830/ALTO	25611	F32T8/SPX30/ECO	21777	FO32/830/ECO
246702	F32T8/TL835/ALTO	25612	F32T8/SPX35/ECO	21779	FO32/835/ECO
246710	F32T8/TL841/ALTO	25613	F32T8/SPX41/ECO	21781	FO32/841/ECO
272526	F32T8/TL730/ALTO	26666	F32T8/SP30/ECO	21997	FO32/730/ECO
272492	F32T8/TL735/ALTO	26667	F32T8/SP35/ECO	21998	FO32/735/ECO
272484	F32T8/TL741/ALTO	26668	F32T8/SP41/ECO	21999	FO32/741/ECO
360008	F32T8TL830/PLUS/ALTO	27619	F32T8/XL/SPX30/ECO		
360016	F32T8/TL835PLUS/ALTO	27620	F32T8/XL/SPX35/ECO		
360024	F32T8/TL841PLUS/ALTO	27621	F32T8/XL/SPX41/ECO		
360032	F32T8/TL850PLUS/ALTO				
360040	F32T8/TL730PLUS/ALTO	27616	F32T8/XL/SP30/ECO		
360057	F32T8/TL735PLUS/ALTO	27617	F32T8/XL/SP35/ECO		
360131	F32T8/TL741PLUS/ALTO	27618	F32T8/XL/SP41/ECO		
360149	F32T8/TL750PLUS/ALTO				
280867	F32T8/ADV830				
280875	F32T8/ADV835				
280917	F32T8/ADV841				
281048	F32T8/ADV850				
270645	F32T8/ADV830/ALTO				
270652	F32T8/ADV835/ALTO				
270660	F32T8/ADV841/ALTO				
270686	F32T8/ADV850/ALTO				
		11439	F25T12/SP30		
		11440	F25T12/SP35		
		11442	F25T12/SP41		
		23008	F25T8/GO		
		23009	F32T8/GO	21961	FO32/GOLD
				21868	FO14/950/20
				21871	FO17/950/24
				21869	FO21/950/30
				21872	FO25/950/36
				21870	FO28/950/40
				21880	FO32/950/48

PHILIPS		GE		SYLVANIA	
Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
				21873	F040/950/60
				21834	FB016/830
				21835	FB016/835
				21836	FB016/841
				21874	FB024/830
				21875	FB024/835
				21876	FB024/841
				21877	FB031/830
				21878	FB031/835
				21879	FB031/841
				21819	FB031/750
340802	F32T8/TL830/U/6	10483	F32T8/SPX30/U/6	21970	FB032/830/6
340844	F32T8/TL835/U/6	10485	F32T8/SPX35/U/6	21971	FB032/835/6
340885	F32T8/TL841/U/6	10488	F32T8/SPX41/U/6	21972	FB032/841/6
209270	F32T8/TL850/U/6	10489	F32T8/SPX50/U/6		
340737	F32T8/TL730/U/6	10479	F32T8/SP30/U/6	21967	FB032/730/6
340778	F32T8/TL735/U/6	23585	F32T8/SP35/U/6	21968	FB032/735/6
340794	F32T8/TL741/U/6	10480	F32T8/SP41/U/6	21969	FB032/741/6
209288	F32T8/TL750/U/6			21973	FB032/750/6
344572	F96T8/TL830	23414	F96T8/SPX30	21897	FO96/830
344606	F96T8/TL835	23415	F96T8/SPX35	21898	FO96/835
344622	F96T8/TL841	23416	F96T8/SPX41	21899	FO96/841
214791	F96T8/TL850	23575	F96T8/SPX50	21795	FO96/850
344531	F96T8/TL730	23407	F96T8/SP30	21854	FO96/730
344556	F96T8/TL735	23411	F96T8/SP35	21839	FO96/735
344564	F96T8/TL741	23412	F96T8/SP41	21840	FO96/741
214775	F96T8/TL750				
282996	F48T8/TL830/HO				
283069	F48T8/TL835/HO				
283093	F48T8/TL841/HO				
282681	F48T8/TL730/HO				
282723	F48T8/TL735/HO				
282822	F48T8/TL741/HO				
283168	F60T8/TL830/HO				
283176	F60T8/TL835/HO				
283200	F60T8/TL841/HO				
282830	F60T8/TL730/HO				
282863	F60T8/TL735/HO				
282913	F60T8/TL741/HO				
283242	F72T8/TL830/HO				
283259	F72T8/TL835/HO				
283267	F72T8/TL841/HO				
282939	F72T8/TL730/HO				
282962	F72T8/TL735/HO				
282970	F72T8/TL741/HO				
205138	F96T8/TL830/HO	12532	F96T8/SPX30/HO		
205146	F96T8/TL835/HO	12533	F96T8/SPX35/HO		
205153	F96T8/TL841/HO	12534	F96T8/SPX41/HO		
		12535	F96T8/SPX50/HO		
205088	F96T8/TL730/HO	12536	F96T8/SP30/HO		
205112	F96T8/TL735/HO	12537	F96T8/SP35/HO		
205120	F96T8/TL741/HO	12538	F96T8/SP41/HO		
332361	F4T5/CW	10004	F4T5/CW	20416	F4T5/CW
		15983	F4T5/CW CARD		
332411	F6T5/CW	10032	F6T5/CW	20616	F6T5/CW
				20617	F6T5/WW
		15986	F6T5/CW CARD		
332429	F6T5/D	10028	F6T5/D		

PHILIPS		GE		SYLVANIA	
Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
332478	F8T5/CW	10059	F8T5/CW	20816	F8T5/CW
		15987	F8T5/CW CARD		
207027	F8T5/30U				
332528	F8T5/WW	10064	F8T5/WW	20817	F8T5/WW
		25425	F8T5/WW CARD		
332494	F8T5/D	10055	F8T5/D	20820	F8T5/D
				20824	F8T5/DSGN50
332536	F13T5/CW	10086	F13T5/CW	21316	F13T5/CW
207035	F13T5/30U				
		10089	F13T5/WW	21317	F13T5/WW
		25426	F13T5/WW CARD		
259101	F13T8/CW	10098	F13T8/CW	21766	F13T8/CW
259143	F14T8/CW/15	10104	F14T8/CW	21486	F14T8/CW
				21488	F14T8/D
315150	F15T8/30U	19644	F15T8/SPX30	21610	F15T8/D830
		19645	F15T8/SPX35		
315168	F15T8/41U	19646	F15T8/SPX41		
315192	F15T8/50U				
		17910	F15T8/SP30		
258533	F15T8/SPEC35	17911	F15T8/SP35		
		19643	F15T8/SP41		
				21603	F15T8/DCW/RP
32316	F15T8/SF	21326	F15T8/KB 6PK	21656	F15T8/DWW/RP
259366	F15T8/CW	10142	F15T8/CW	21616	F15T8/CW
205708	F15T8/CW	10143	F15T8/CW 6PK	21619	F15T8/CW/6PK
259465	F15T8/WW	10147	F15T8/WW	21701	F15T8/WW
259523	F15T8/D	10134	F15T8/D	21600	F15T8/D
342865	F15T8/C50	13968	F15T8/SUN 6PK	21642	F15T8/DSGN50
				21682	F15T8/N
249912	F15T8/HL COOL				
		16323	F30T8/SPX30		
		22747	F30T8/KB 6PK	23140	F30T8/DWW/RP
205898	F30T8/CW	10316	F30T8/CW 6PK	23121	F30T8/CW/6PK
260588	F30T8/WW	10318	F30T8/WW 24PK	23701	F30T8/WW
260638	F30T8/D	10310	F30T8/D 24PK	23100	F30T8/D
				23182	F30T8/N
				23127	F30T8/CWX
249862	F30T8/HL COOL				
259168	F14T12/CW	10116	F14T12/CW	21409	F14T12/CW
		10117	F14T12/CW 6PK		
				21411	F14T12/D
				21435	F14T12/WW
		22979	F14T12/KB 6PK		
				21451	F14T12/DWW/RP
249854	F14T12/HL COOL				
259713	F15T12/CW	10183	F15T12/CW 6PK	21513	F15T12/CW 6 PK
259754	F15T12/WW	10185	F15T12/WW	21542	F15T12/WW
259804	F15T12/D			21534	F15T12/D
249805	F15T12/HL COOL			21535	F15T12/DCW/RP
		22745	F15T12/KB 6PK	21551	F15T12/DWW/RP
313999	F20T12/30U	15109	F20T12/SPX30	22075	F20T12/D830
314005	F20T12/35U	15354	F20T12/SPX35		
314013	F20T12/41U				
314039	F20T12/50U				
313866	F20T12/SPEC30				
313882	F20T12/SPEC35	14423	F20T12/SP35	22251	F20T12/D35 (D735)
313825	F20T12/CWX	15353	F20T12/SP41	22255	F20T12/D41 (D741)
		21325	F20T12/KB 6PK	22252	F20T12/DWW/RP

PHILIPS		GE		SYLVANIA	
Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
				22256	F20T12/DCW/RP
313346	F20T12/CW	10213	F20T12/CW	22078	F20T12/CW
205666	F20T12/CW 6 PK	10214	F20T12/CW 6PK	22015	F20T12/CW 6 PK
				22082	F20T12/CWX
271601	F20T12/HL COOL				
313924	F20T12/WW	10217	F20T12/WW	22131	F20T12/WW
		25577	F20T12/WW/UPC		
313858	F20T12/D	10205	F20T12D	22083	F20T12/D
213314	F20T12/D/UPC	25575	F20T12/D/UPC	22087	F20T12/D/UPC
313965	F20T12/C50	38114	F20T12/C50	22119	F20T12/DSGN50
		14419	F20T12/SUN		
373530	F20T12/B	10231	F20T12/B 6PK	22996	F20T12/B
		10233	F20T12/G 6PK	22019	F20T12/G
260414	F25T12/D				
260307	F25T12/CW				
		43443	F90T17/CW/WM	29255	F90T17/CW/SS
		10643	F90T17/CW	29247	F90T17/CW 90W
				23451	F30T12/D30/RS/SS (D730)
		14425	F30T12/SP35/RS/WM	23485	F30T12/D35/RS/SS (D735)
272427	F30T12/CW/RS/EW/ALTO				
313643	F30T12/CW/RS/EW	44599	F30T12/CW/RS/WM	23472	F30T12/CW/RS/SS
313650	F30T12/WW/RS/EW	44600	F30T12/WW/RS/WM	23473	F30T12/WW/RS/SS
313775	F30T12/30U/RS	15108	F30T12/SPX30/RS	23474	F30T12/D830/RS
313791	F30T12/35U/RS	15355	F30T12/SPX35/RS	23139	F30T12/D835/RS
313809	F30T12/41U/RS				
313817	F30T12/50U/RS				
313692	F30T12/SPEC30/RS				
313718	F30T12/SPEC35/RS	15085	F30T12/SP35/RS	23484	F30T12/D35/RS (D735)
313726	F30T12/SPEC41/RS	15267	F30T12/SP41/RS	23488	F30T12/D41/RS (D741)
313320	F30T12/CW/RS	10357	F30T12/CW/RS	23476	F30T12/CW/RS
		39176	F30T12/CW/RS 6PK		
339499	F30T12/HL COOL				
				23477	F30T12/CWX/RS
313742	F30T12/WW/RS	10359	F30T12/WW/RS	23482	F30T12/WW/RS
313684	F30T12/D/RS	10365	F30T12/D/RS	23478	F30T12/D/RS
313767	F30T12/C50/RS	38115	F30T12/C50/RS		
		14225	F40SP35/RS/WMP 30PK	24691	F40/D35/SSP
				24687	F40WW/SSP
		14221	F40CW/RS/WMP 30 PK	24686	F40CW/SSP
237818	F40/30U/RS/EW/ALTO	14627	F40SPX30/RS/WM	24589	F40/D830/SS
237826	F40/35U/RS/EW/ALTO	14628	F40SPX35/RS/WM	24585	F40/D835/SS
237834	F40/41U/RS/EW/ALTO	14811	F40SPX41/RS/WM	24586	F40/D841/SS
237842	F40/50U/RS/EW/ALTO	23459	F40SPX50/RS/WM		
				24706	F40/D865/SS
237750	F40/SPEC30/RS/EW/ALTO	14200	F40SP30/RS/WM	24580	F40/D30/SS (D730)
		25401	F40SP30/RS/WM/UPC		
237776	F40/SPEC35/RS/EW/ALTO	13807	F40SP35/RS/WM	24585	F40/D/35/SS (D735)
		23486	F40SP35/WM/C 10PK		
267930	F40SPEC35/RS/EW/ALTOUP	21858	F40SP35/RS/WM/UPC 6PK	24703	F40/D35/SS/UPC (D735)
237792	F40/SPEC41/RS/EW/ALTO	13809	F40SP41/RS/WM	24593	F40/D41/SS (D741)
		25397	F40SP41/RS/WM/UPC		
		12134	F40SP65/RS/WM		
244707	F40CW/RS/EW/ALTO	13803	F40CW/RS/WM 30PK	24594	F40CW/SS
		25391	F40CW/RS/WM/UPC		
		23485	F40CW/RS/WM/C 10PK	24516	F40CW/SS/10
285114	F40CWX/RS/EW/ALTO			24588	F40CWX/SS
273219	F40LW/RS/EW/ALTO	13822	F40LW/RS/WM 30PK	24590	F40/LW/SS
				24591	F40W/SS

PHILIPS		GE		SYLVANIA	
Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
256867	F40WWRS/EW/ALTO	13821	F40WW/RS/WM 30PK	24595	F40/WW/SS
		25398	F40WW/RS/WM/UPC		
266593	F40DX/RS/EW/ALTO	14655	F40DX/RS/WM	24599	F40DX/SS
		19217	F40/C50/RS/WM		
315374	F40/30U/ALTO	15079	F40SPX30 30PK	24476	F40/D830
380030	F40/35U/ALTO	15083	F40SPX35 30PK	24577	F40/D835
315382	F40/41U/ALTO	15084	F40SPX41 30PK	24578	F40/D841
315390	F40/50U/ALTO	23457	F40SPX50		
				24570	F40/D865
272518	F40/SPEC30/ALTO	15075	F40SP30 30PK	24576	F40/D30 (D730)
221168	F40/SPEC35/ALTO	15077	F40SP35 30PK	24583	F40/D35 (D735)
		20463	F40SP35/UPC		
272583	F40/SPEC41/ALTO	15078	F40SP41 30PK	24584	F40/D41 (D741)
		23382	F40SP41/C		
		12133	F40SP65		
		25400	F40SP65/UPC		
		13969	F40D/ULTRA 6PK		
301937	F40/CWX			24441	F40CWX
227199	F40/DX	14654	F40DX	24477	F40DX
		27385	F40DX 10PK		
246405	F40/HL WX/ALTO	21323	F40KB 6PK	24454	F40IF
237644	F40/HL WX/ALTO	40333	F40KB/TWIN		
248641	F40/HL COOL/ALTO	14440	F40/RES/SLV		
237628	F40/HL COOL/ALTO	14433	F40/RES/SLV 6PK		
262725	F40/HL COOL/ALTO	14441	F40/RES/TWIN		
301986	F40/N	13797	F40N 30PK	24438	F40N
302034	F40/C50	13794	F40/C50 30PK	24683	F40DSGN50
		25399	F40C50/UPC		
323857	F40/SUN 6 PK	12224	F40/SUN 6PK		
334649	F40/C75	13795	F40/C75 30PK		
302042	F40/CG	10535	F40CG 6PK	24666	F40CG
201897	F40/B	10514	F40B 6PK	24667	F40B
396325	F40/G	10517	F40G 6PK	24322	F40G
226308	F40/GO	10522	F40GO 6PK	24673	F40/GO
266049	F40T12/ADV30/ALTO	18331	F40XL/SPX30		
266312	F40T12/ADV35/ALTO	18332	F40XL/SPX35		
266403	F40T12/ADV41/ALTO	18333	F40XL/SPX41		
266437	F40T12/ADV50/ALTO	23471	F40XL/SPX50		
		18337	F40XL/SP30		
		18338	F40XL/SP35		
		18342	F40XL/SP41		
237818	F40/30U/RS/EW/ALTO	23157	F40SPX30/RS/WM/ECO		
237826	F40/35U/RS/EW/ALTO	23158	F40SPX35/RS/WM/ECO		
237834	F40/41U/RS/EW/ALTO	23159	F40SPX41/RS/WM/ECO		
237842	F40/50U/RS/EW/ALTO				
237750	F40/SPEC30/RS/EW/ALTO	23163	F40SP30/RS/WM/ECO		
237776	F40/SPEC35/RS/EW/ALTO	23165	F40SP35/RS/WM/ECO		
237792	F40/SPEC41/RS/EW/ALTO	23166	F40SP41/RS/WM/ECO		
244707	F40CW/RS/EW/ALTO	23010	F40CW/RS/WM/ECO		
		14445	F48/25W/UTSL/UPC		
		14450	F48/25W/UTSL/SLV		
		14456	F48/25W/UTSL/TWIN		
207043	FB40CW/U/3/EW	12199	F40CW/U/3/WM		
207050	FB40WW/U/3/EW	12200	F40WW/U/3/WM		
		14814	F40SPX30/U/3		
		14813	F40SPX35/U/3		
		15259	F40SP30/U/3	29034	FB40/D30/3 (D730)
		14228	F40SP35/U/3		

PHILIPS		GE		SYLVANIA	
Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
		15260	F40SP41/U/3	29035	FB40/D41/3 (D741)
		14649	F40SCW/U/3		
		14610	F40SWW/U/3		
				24063	FB40/D30/6/SS (D730)
				24065	FB40/D35/6/SS (D735)
				24067	FB40/D41/6/SS (D741)
294256	FB40CW/6/EW	12203	F40CW/U/6/WM	24046	FB40/CW/6/SS
		14471	F40CW/U/6/WM/UPC		
		23383	F40CW/U6/WM/C		
294249	FB40WW/6/EW	12207	F40WW/U/6/WM	24047	FB40/WW/6/SS
302406	FB40LW/6/EW				
330928	FB40/SPEC30/6/EW				
331082	FB40/SPEC35/6/EW				
331165	FB40/SPEC41/6/EW				
354498	FB40/30U/6	14816	F40SPX30/U/6	24017	FB40/D830/6
221242	FB40/35U/6	14815	F40SPX35/U/6		
348763	FB40/41U/6				
307462	FB40/SPEC30/6	15263	F40SP30/U/6	24080	FB40/D30/6 (D730)
237065	FB40/SPEC35/6	14227	F40SP35/U/6	24081	FB40/D35/6 (D735)
342298	F40SPEC35/U/6UPC	22050	F40SP35/U/6/UPC		
307819	FB40/SPEC41/6	15265	F40SP41/U/6	24082	FB40/D41/6 (D741)
				24004	FB40/CWX/6
219931	FB40/DX/6				
293175	FB40/HL COOL				
		14648	F40SCW/U/6		
		12520	F40SCW/U/6/UPC		
		25374	F40SCW/U6/UPC 6PK		
		14632	F40SWW/U/6		
		12221	F42T6/SP35	24268	F42T6/D835
		10720	F42T6/CW	24266	F42T6/CW
		10721	F42T6/WW	24270	F42T6/WW
		12223	F64T6/SP35		
				26468	F64T6/D835
		10805	F64T6/CW	26466	F64T6/CW
		10807	F64T6/WW	26470	F64T6/WW
		10829	F72T8/CW	27266	F72T8/CW
		10835	F72T8/WW 6PK	27270	F72T8/WW
				27200	F72T8/D
		10912	F96T8/CW	29666	F96T8/CW
				29650	F96T8/D
262774	F24T12/CW	10691	F24T12/CW	22403	F24T12/CW
262840	F36T12/CW	10709	F36T12/CW	23618	F36T12/CW
263038	F42T12/CW	10735	F42T12/CW	24218	F41T12/CW
		15183	F48T12/SP30/WM		
218941	F48T12/SPEC35/EW	14319	F48T12/SP35/WM	24829	F48T12/D35/SS (735)
218958	F48T12/SPEC41/EW	13048	F48T12/SP41/WM	24825	F48T12/D41/SS (741)
218917	F48T12/CW/EW	44967	F48T12/CW/WM	24823	F48T12/CW/SS
		44971	F48T12/LW/WM	24824	F48T12/LW/SS
		15088	F48T12/SPX30		
		15116	F48T12/SPX35		
267716	F48T12/41U				
218693	F48T12/SPEC35	15262	F48T12/SP35/WM	24832	F48T12/D35 (735)
218750	F48T12/CW	10748	F48T12/CW	24830	F48T12/CW
218867	F48T12/CW/UPC	20461	F48T12/CW/UPC 6PK		
218735	F48T12/D	10761	F48T12/D	24834	F48T12/D
218891	F48T12/WW			24817	F48T12/WW
				26018	F60T12/D35 (735)
		12446	F60T12/SP41		

PHILIPS		GE		SYLVANIA	
Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
355636	F60T12/CW	23073	F60T12/CW 15 PK	26001	F60T12/CW
355644	F60T12/D	23076	F60T12/D 15PK	26002	F60T12/D
355768	F64T12/CW	23082	F64T12/CW 15PK	26403	F64T12/CW
355776	F64T12/D	23085	F64T12/D 15PK	26404	F64T12/D
212308	F72T12/30U	15117	F72T12/SPX30 15PK	27255	F72T12/D830
267492	F72T12/35U	15098	F72T12/SPX35 15PK	27275	F72T12/D835
212183	F72T12/41U				
307538	F72T12/SPEC35	15286	F72T12/SP35 15PK	27250	F72T12/D35 (735)
		15097	F72T12/SP41 15PK	27243	F72T12/D41 (741)
212134	F72T12/CW	13743	F72T12/CW 15PK	27256	F72T12/CW
		23385	F72T12/CW/C		
339937	F72T12/CW/UPC	12525	F72T12/CW/UPC 10PK		
212274	F72T12/WW	13751	F72T12/WW 15PK	27265	F72T12/WW
212183	F72T12/D	13748	F72T12/D 15PK	27259	F72T12/D
		12524	F72T12/GO 10PK		
				27262	F72T12/N
		13764	F84T12/CW 15PK	28417	F84T12/CW
		40511	F96T12/SP35/WMP		
		41163	F96T12/SP41/WMP		
342055	F96T12/30U/EW	14629	F96T12/SPX30/WM 15PK	29823	F96T12/D830/SS
221754	F96T12/35U/EW	14630	F96T12/SPX35/WM 15PK	29811	F96T12/D835/SS
342071	F96T12/41U/EW	15340	F96T12/SPX41/WM 15PK	29812	F96T12/D841/SS
342097	F96T12/50U/EW			29851	F96T12/D865/SS
348466	F96T12/SPEC30/EW	14201	F96T12/SP30/WM 15PK	29825	F96T12/D30/SS (730)
379982	F96T12/SPEC35/EW	13849	F96T12/SP35/WM 15PK	29819	F96T12/D35/SS (735)
213348	F96T12/SPEC35/EW UPC	21856	F96T12/SP35/WM/UPC	29802	F96T12/D35/SS/UPC (735)
		11217	F96T12/SP35/WM/C 10PK		
348441	F96T12/SPEC41/EW	13758	F96T12/SP41/WM 15PK	29824	F96T12/D41/SS (741)
		25395	F96T12/SP41/WM/UPC		
341925	F96T12D/EW	12128	F96T12/SP65/WM		
258400	F96T12/CW/EW/ALTO	13729	F96T12/CW/WM 15PK	29815	F96T12/CW/SS
		25171	F96T12/UTCW/EE/C		
339945	F96T12/CW/EW/ALTO/UPC	21713	F96T12/CW/WM/UPC 10PK	29816	F96T12/CW/SS/UPC
		17892	F96T12/CW/WM 10PK		
341933	F96T12/LW/EW	13742	F96T12/LW/WM 15PK	29820	F96T12/LW/SS
341958	F96T12/WW/EW	13736	F96T12/WW/WM 15PK	29817	F96T12/WW/SS
214882	F96T12/DX/EW			29828	F96T12/DX/SS
341982	F96T12/C50/EW	13756	F96T12/C50/WM 15PK		
342006	F96T12/30U	15110	F96T12/SPX30 15PK	29827	F96T12/D830
380055	F96T12/35U	15101	F96T12/SPX35 15PK	29843	F96T12/D835
342014	F96T12/41U	15335	F96T12/SPX41 15PK	29857	F96T12/D841
342048	F96T12/50U	23466	F96T12/SPX50		
				29849	F96T12/D865
272625	F96T12/SPEC30	15357	F96T12/SP30 15PK	29818	F96T12/D30 (730)
221184	F96T12/SPEC35	14067	F96T12/SP35 15PK	29685	F96T12/D35 (735)
272658	F96T12/SPEC41	15358	F96T12/SP41 15PK	29807	F96T12/D41 (741)
		12127	F96T12/SP65		
		13970	F96T12/SP65/C		
341651	F96T12/N	13725	F96T12/N 15PK	29480	F96T12/N
341701	F96T12/C50	13752	F96T12/C50 15PK	29833	F96T12/DSGN50
205740	F96T12/C50/UPC	25387	F96T12/C50/UPC		
341610	F96T12/CWX			29478	F96T12/CWX
214874	F96T12/DX	14652	F96T12/DX	29500	F96T12/DX
226894	F96T12/GO	17897	F96T12/GO 10PK	29681	F96T12/GO
		12404	F96T12/XL/SP30/WM		
		12406	F96T12/XL/SP35/WM		
		12408	F96T12/XL/SP41/WM		
		11662	F96T12/XL/SPX30		

PHILIPS		GE		SYLVANIA	
Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
		11663	F96T12/XL/SPX35		
		11664	F96T12/XL/SPX41		
		11665	F96T12/XL/SPX50		
		11659	F96T12/XL/SP30		
		23576	F96T12/XL/SP35		
		11661	F96T12/XL/SP41		
		27237	F96T12/SPX30/WM/ECO		
		27238	F96T12/SPX35/WM/ECO		
		27239	F96T12/SPX41/WM/ECO		
		27232	F96T12/SP30/WM/ECO		
		27233	F96T12/SP35/WM/ECO		
		27235	F96T12/SP41/WM/ECO		
		40373	F96T12/SP65/WM/ECO		
258400	F96T12/CW/EW/ALTO	27186	F96T12/CW/WM/ECO		
		10575	F40T17/CW/IS		
		10204	F18T12/CW/HO		
				25303	F18T12/DSGN50/HO
		13051	F24T12/SP41/HO		
262790	F24T12/CW/HO	10261	F24T12/CW/HO	25313	F24T12/CW/HO
262741	F24T12/D/HO	10275	F24T12/D/HO	25314	F24T12/D/HO
				25312	F24T12/DSGN50/HO
226464	F30T12/CW/HO	33707	F30T12/CW/HO	25322	F30T12/CW/HO
343343	F30T12/D/HO				
262865	F36T12/CW/HO	10374	F36T12/CW/HO	25333	F36T12/CW/HO
262907	F36T12/D/HO	10380	F36T12/D/HO	25332	F36T12/D/HO/30
		10388	F36T12/SGN/HO	25334	F36T12/DSGN50/HO
263046	F41T12/CW/HO	10559	F42T12/CW/HO	25342	F42T12/CW/HO
263061	F42T12/D/HO	10560	F42T12/D/HO	25343	F42T12/D/HO30
		10562	F42T12/SGN/HO	25344	F42T12/DSGN50/HO
		15341	F48T12/SP30/HO/WM		
		15342	F48T12/SP35/HO/WM	25137	F48T12/D35/HO/SS (D735)
		11179	F48T12/LW/HO/WM		
		15114	F48T12/SPX30/HO	25148	F48T12/D830/HO
		15115	F48T12/SPX35/HO		
267732	F48T12/41U/HO				
307439	F48T12/SPEC30/HO	15359	F48T12/SP30/HO		
218966	F48T12/SPEC35/HO	15360	F48T12/SP35/HO	25154	F48T12/D35/HO (D735)
218974	F48T12/SPEC41/HO	15361	F48T12/SP41/HO	25136	F48T12/D35/HO (D741)
219071	F48T12/CW/HO	10773	F48T12/CW/HO	25146	F48T12/CW/HO
219105	F48T12/CW/HO UPC	27313	F48T12/CW/HO/UPC		
				25144	F48T12/CWX/HO
219006	F48T12/D/HO	10778	F48T12/D/HO	25150	F48T12/D/HO
218164	F48T12/WW/HO			25147	F48T12/WW/HO
		10573	F48T12/SGN/HO	25153	F48T12/DSGN50/HO
				25128	F60T12/D35/HO (D741)
		13056	F60T12/SP41/HO		
355669	F60T12/CW/HO	23075	F60T12/CW/HO 15PK	25126	F60T12/CW/HO
355677	F60T12/D/HO	23077	F60T12/D/HO 15PK	25120	F60T12/D/HO
				25127	F60T12/WW/HO
		23081	F60T12/SGN/HO 15PK	25119	F60T12/DSGN/HO
355784	F64T12/CW/HO	23083	F64T12/CW/HO 15PK	25352	F64T12/CW/HO
355842	F64T12/D/HO	23087	F64T12/D/HO 15PK	25353	F64T12/D/HO
		23089	F64T12/SGN/HO 15PK	25355	F64T12/DSGN/HO
273052	F72T12/30U/HO	15137	F72T12/SPX30/HO 15PK	25098	F72T12/D830/HO 85W800MA
267237	F72T12/35U/HO	15351	F72T12/SPX35/HO 15PK	25281	F72T12/D835/HO
267427	F72T12/41U/HO				
		15343	F72T12/SP30/HO 15PK	25097	F72T12/D30/HO
300012	F72T12/SPEC35/HO	15347	F72T12/SP35/HO 15PK	27249	F72T12/D35/HO (D735)

PHILIPS		GE		SYLVANIA	
Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
307561	F72T12/SPEC41/HO	15348	F72T12/SP41/HO 15PK	27245	F72T12/D41/HO (D741)
211995	F72T12/CW/HO	13697	F72T12/CW/HO 15PK	25176	F72T12/CW/HO
				25187	F72T12/CWX/HO
330530	F72T12/WW/HO	13702	F72T12/WW/HO 15PK	25177	F72T12/WW/HO
212001	F72T12/D/HO	13699	F72T12/D/HO 15PK	25189	F72T12/D/HO 85W
212043	F72T12/N/HO	12527	F72T12/N/HO 10PK	25182	F72T12/N/HO 15PK
		13701	F72T12/SGN/HO 15PK	25190	F72T12/DSGN50/HO
				25383	F84T12/D35/HO (735)
212050	F84T12/CW/HO	13766	F84T12/CW/HO 15PK	25384	F84T12/CW/HO
212068	F84T12/D/HO	13767	F84T12/D/HO 15PK	25385	F84T12/D/HO
		13768	F84T12/SGN/HO 15PK	25386	F84T12/DSGN50/HO
273193	F96T12/30U/HO/EW	15120	F96T12/SPX30/HO/WM 15PK	25008	F96T12/D830/HO/SS
		15122	F96T12/SPX35/HO/WM 15PK		
348623	F96T12/41U/HO/EW	23069	F96T12/SPX41/HO/WM 15PK		
205252	F96T12/50U/HO/EW				
348615	F96T12/SPEC30/HO/EW	15268	F96T12/SP30/HO/WM 15PK	25015	F96T12/D30/HO/SS (D730)
221176	F96T12/SPEC35/HO/EW	14069	F96T12/SP35/HO/WM 15PK	25024	F96T12/D35/HO/SS (D735)
348482	F96T12/SPEC41/HO/EW	13721	F96T12/SP41/HO/WM 15PK	25023	F96T12/D41/HO/SS
		12131	F96T12/SP65/HO/WM		
214718	F96T12/DX/HO/EW				
342147	F96T12/CW/HO/EW	13716	F96T12/CW/HO/WM 15PK	25010	F96T12/CW/HO/SS
266601	F96T12/CW/HO/EW/ALTO				
204594	F96T12/CW/HO/EW UPC	21714	F96T12/CW/HO/WM/UPC 15PK		
342162	F96T12/LW/HO/EW	13720	F96T12/LW/HO/WM 15PK	25025	F96T12/LW/HO/SS
342196	F96T12/WW/HO/EW	13719	F96T12/WW/HO/WM 15PK	25011	F96T12/WW/HO/SS
348631	F96T12/30U/HO	15119	F96T12/SPX30/HO 15PK	25152	F96T12/D830/HO
267104	F96T12/35U/HO	15352	F96T12/SPX35/HO 15PK	25166	F96T12/D835/HO
348649	F96T12/41U/HO	23070	F96T12/SPX41/HO 15PK		
348656	F96T12/50U/HO				
				25185	F96T12/D865/HO
272765	F96T12/SPEC30/HO	15362	F96T12/SP30/HO 15PK	25149	F96T12/D30/HO (D730)
276816	F96T12/SPEC35/HO	15363	F96T12/SP35/HO 15PK	25165	F96T12/D35/HO (D735)
272799	F96T12/SPEC41/HO	15364	F96T12/SP41/HO 15PK	25184	F96T12/D41/HO (D741)
342238	F96T12/D/HO	12130	F96T12/SP65/HO		
342303	F96T12/N/HO	13709	F96T12/N/HO 15PK	25162	F96T12/N/HO
342261	F96T12/C50/HO	13707	F96T12/C50/HO 15PK	25164	F96T12/DSGN50/HO
342220	F96T12/CWX/HO			25158	F96T12/CWX/HO
214890	F96T12/DX/HO	14653	F96T12/DX/HO		
		35505	F96T12/GO/HO 10PK		
204198	F96T12/CW/HO-O	11918	F96T12/CW/HO/CT	25134	F96T12/CW/HO/COLDTEMP
204222	F96T12/D/HO-O	11919	F96T12/D/HO/CT	25135	F96T12/D/HO/COLDTEMP
				21260	F48T12/CW/PB/30
218198	F48T12/CW/VHO	10751	F48T12/CW/1500	25248	F48T12/CW/VHO
				25244	F48T12/D/VHO
				25251	FR48T12/350BL/VHO/180
217851	F60T12/CW/VHO			25262	F60T12/CW/VHO
212100	F72T12/CW/VHO	13760	F72T12/CW/1500 15PK	25272	F72T12/CW/VHO
330548	F72T12/D/VHO			25270	F72T12/D/VHO
342329	F96T12/CW/VHO/EW	13789	F96T12/CW/1500/WM 15PK	25296	F96T12/CW/VHO/SS
342337	F96T12/LW/VHO/EW	13790	F96T12/LW/1500/WM 15PK	25297	F96T12/LW/VHO/SS
342345	F96T12/CW/VHO	13781	F96T12/CW/1500 15PK	25209	F96T12/CW/VHO
342428	F96T12/WW/VHO	13785	F96T12/WW/1500 15PK	25211	F96T12/WW/VHO
342378	F96T12/D/VHO	13783	F96T12/D/1500 15PK	25210	F96T12/D/VHO
		47732	F48PG17/CW/WM		
		10782	F48PG17/CW		
		42666	F96PG17/CW/WM		
		11009	F96PG17/CW		
		11018	F96PG17/D		

<i>PHILIPS</i>		<i>GE</i>		<i>SYLVANIA</i>	
Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
		41106	F6T5/CW/CVG		
		41107	F8T5/CW/CVG		
		41108	F13T5/CW/CVG		
		41109	F13T8/CW/CVG		
		41110	F15T8/CW/CVG		
		41111	F15T8/SPX35/CVG		
		41112	F17T8/SPX35/CVG		
		41113	F17T8/SPX41/CVG		
		40799	F17T8/SP35/CVG		
		40800	F17T8/SP41/CVG		
		40084	F25T8SP35/CVG		
		40085	F25T8/SP41/CVG		
		40091	F32T8/SPX30/CVG		
		40093	F32T8/SPX35/CVG		
		40089	F32T8/SPX41/CVG		
		40086	F32T8/SP30/CVG		
		40087	F32T8/SP35/CVG	21934	F032T8/735/GUARDED
		40088	F32T8/SP41/CVG		
		40803	F32T8/SP30/ECO/CVG		
		40804	F32T8/SP35/ECO/CVG		
		40812	F32T8/SP41/ECO/CVG		
		40099	F96T8/SPX30/CVG		
		40105	F96T8/SPX35/CVG		
		40106	F96T8/SPX41/CVG		
		40094	F96T8/SP30/CVG		
		40095	F96T8/SP35/CVG		
		40096	F96T8/SP41/CVG		
		40107	F96T8/SP35/HO/CVG		
		40108	F96T8/SP41/HO/CVG		
		40126	F20T12/CW/RS/CVG		
		40111	F40CW/CVG		
		40114	F40SPX41/RS/WM/CVG		
		40112	F40SP35/RS/WM/CVG		
		40113	F40SP41/RS/WM/CVG		
		40109	F40CW/RS/WM/CVG		
		40805	F40CW/RS/WM/ECO/CVG		
		40806	F40LW/RS/WM/CVG		
		40110	F40WW/RS/WM/CVG		
		40125	F20T12/CW/CVG		
		40127	F48T12/CW//CVG		
		40117	F96T12/CW/CVG		
		40115	F96T12/CW/WM/CVG		
		40807	F96T12/CW/WM/ECO/CVG		
		40124	F96T12/SP35/WM/CVG		
		40129	F48T12/CW/HO/CVG		
		40811	F72T12/CW/HO/CVG		
		40116	F96T12/CW/HO/WM/CVG		
		40118	F96T12/SP35/HO/WM/CVG		
		40123	F96T12/SP41/HO/WM/CVG		
		40808	F96T12/CW/HO/CVG		
		10742	F48T10/CW		
		10743	F48T10J/CW		
		39157	F60T10/CW		
		13002	F60T10/CW 6PK		
		17135	F60T10/SP30		
		40441	F60T10J/CW		
		13776	F72T10/CW 15PK		
		10858	F72T10J/CW		

PHILIPS		GE		SYLVANIA	
Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
		13780	F96T10/CW 15PK		
		10945	F96T10J/CW		
223404	F48T12/CW/VHO-0	34206	F48T12/CW/1500/O	25249	F48T12/CW/VHO/LT
284091	FJ48T12/CW/VHO-0	41606	F48T12J/CW/1500/O	21330	FJ48T12/CW/VHO/LT 115W
212118	F72T12/CW/VHO-0	13762	F72T12/CW/1500/O	25274	F72T12/CW/VHO/LT
284109	FJ72T12/CW/VHO-0	41612	F72T12J/CW/1500/O	21335	FJ72T12/CW/VHO/LT
342436	F96T12/CW/VHO-0	13788	F96T12/CW/1500/O	25292	F96T12/CW/VHO/LT 215W
283978	FJ96T12/CW/VHO-0	41613	F96T12J/CW/1500/O	21340	FJ96T12/CW/VHO/LT
249821	FC6T9/CW	42732	FC6T9/CW	20156	FC6T9/CW/RS
				20155	FC6T9/WW/RS
254557	FC8T9/HL WX	11084	FC8T9/KB	20209	FC8T9/DWW/RP
206011	FC8T9/CW	33774	FC8T9/CW	20148	FC8T9/CW/RS 22W
262345	FC8T9/D	11026	FC8T9/D	20080	FC8T9/D/RS 22W
254490	FC8T9/HL CW				
				20088	FC8T9/WW/RS
				20211	FC8T9/827/EL
				20210	FC8T9/830/EL
254599	FC12T9/HL WX	11085	FC12T9/KB	20233	FC12T9/DWW/RP
206029	FC12T9/CW	33890	FC12T9/CW	20142	FC12T9/CW/RS 32W
262600	FC12T9D	11039	FC12T9/D	20030	FC12T9/D/RS 32W
				20037	FC12T9/WW/RS
254532	FC12T9/HL CW				
		33893	FC16T9/CW	20132	FC16T9/CW/RS 40W
		11052	FC16T9/D	20072	FC16T9/D/RS 40W
				20057	FC16T9/WW/RS
254540	FC16T9/HL CW				
259143	F14T8/CW/15				
259382	F15T8/CW/24				
		10257	F22T8/D/4		
		10259	F24T8/CW/4	23014	F18T8/CW/K/24
		17705	F24T8/CW/4 6PK		
259895	F16T8/CW/26	10702	F26T8/CW/4	23027	F18T8/CW/K/26
		38199	F26T8/CW/4 6PK		
				21728	F18T8/D/K/26
259903	F17T8/CW/28	17704	F28 T8/CW/4 6PK	23028	F18T8/CW/K/28
259929	F18T8/CW/30	10349	F30 T8/CW/4	23030	F18T8/CW/K/30
		17735	F20T12/CW/21 6PK	22080	F20T12/CW/21
				22085	F20T12/D/22
260349	F25T12/CW/28	10281	F25T12/CW/28	22527	F25T12/CW/28
		10282	F25T12/CW/28 6PK		
		10286	F25T12/D/28		
260331	F25T12/CW/30	10355	F30T12/CW	22528	F25T12/CW/30
				22333	F25T12/WW/30
		38201	F25T12/CW/33 6PK	22529	F25T12/CW/33
260414	F25T12/D	10299	F25T12/D/33	22531	F25T12/D/33
		10293	F25T12/WW/33		
		22907	F15T8/AR/FR 6PK		
		22910	F15T8/AR/FS 6PK		
		22920	F15T8/AR/SA 6PK		
364257	F15T8/AGRO	49892	F15T8/PL/AQ 6PK	21657	F15T8/GRO/AQ/RP
		22904	F15T8/SR 6PK		
				23160	F30T8/GRO/AQ/RP
		22908	F20T12/AR/FR 6PK		
		22911	F20T12/AR/FR 6PK		
		22922	F20T12/AR/SA 6PK		
364331	F20T12/AGRO	49891	F20T12/PL/AQ 6PK	22013	F20T8/GRO/AQ/WS/RP
		22905	F20T12/SR 6PK	22029	F20T8/GRO/AQ/RP
		22909	F40T12/AR/FR 6PK		

PHILIPS		GE		SYLVANIA	
Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
		22914	F40T12/AR/FS 6PK		
		22923	F40T12/AR/SR 6PK		
		22906	F40T12/SR 6PK	24660	F40/GRO/AQ/RP
205971	F40/AGRO	49893	F40PL/AQ 6PK	24671	F40/GRO/AQ/WS/RP
		10017	F4T5/BL	20414	F4T5/350BL
358408	F4T5/BLB	10019	F4T5/BLB	20425	F4T5/BLB
358416	F6T5/BLB			20633	F6T5/BLB
				20833	F8T5/350BL
358432	F8T5/BLB	10077	F8T5/BLB	20825	F8T5/BLB
314369	F15T8/BL	35884	F15T8/BL 6PK	21623	F15T8/350BL
314377	F15T8/BLB	35885	F15T8/BLB 6PK	21625	F15T8/BLB
		25665	FC8T9/BLB		
				20085	FC8T9/350BL/RS
301184	F20T12/BL	10244	F20T12/BL 6PK	22113	F20T12/350BL
314351	F20T12/BLB	34747	F20T12/BLB 6PK	22114	F20T12/BLB
301176	F30T8/BL				
262717	F30T8/BLB				
314393	F40BL	10526	F40BL 6PK	24922	F40/350BL
314401	F40BLB	10531	F40BLB 6PK	24024	F40BLB
		40537	F40BL/U/3		
		39683	F59T12/SPB		
		11077	G8T5	20811	G8T5
		11086	G64T6		
		11078	G15T8	21612	G15T8
		11082	G25T8		
		11080	G30T8	23112	G30T8
COMPACT FLUORESCENT LAMPS					
		21302	F162D/827		
		22175	F162D/835		
		21304	F282D/827		
		22179	F282D/835		
		21301	F102D/827/4P		
		22173	F102D/835/4P		
		22169	F162D/827/4P		
		22177	F162D/835/4P		
		21303	F212D/827/4P		
		22178	F212D/835/4P		
		22172	F282D/827/4P		
		22180	F282D/835/4P		
		21305	F382D/827/4P		
		25427	F382D/827/4P/CD		
		22181	F382D/835/4P		
		35971	F552D/827/A/4P/BULK		
		36358	F552D/830/A/T/4P/B		
		35972	F552D/835/A/T/4P/BULK		
332338	PL-S 5W/27	37654	F5BX/SPX27/827 10PK	20325	CF5DS/827
		13575	F5BX/SPX27/CD		
		37661	F5BX/SPX41/840 10PK	20303	CF5DS/841
342568	PL-S 7W/27	37846	F7BX/SPX27/827 10PK	20327	CF7DS/827
		13576	F7BX/SPX27/CD		
327809	PL-S 7W/35	37659	F7BX/SPX35/835 10PK	20310	CF7DS/835
338699	PL-S 7W/41	37660	F7BX/SPX41/841 10PK	20304	CF7DS/841
333849	PL-S 7W/50			20307	CF7DS/850
342576	PL-S 9W/27	37651	F9BX/SPX27/827 10PK	20329	CF9DS/827
		13577	F9BX/SPX27/CD		
327866	PL-S 9W/35	37652	F9BX/SPX35/835 10PK	20333	CF9DS/835
338707	PL-S 9W/41	37653	F9BX/SPX41/840 10PK	20305	CF9DS/841
333856	PL-S 9W/50			20308	CF9DS/850

PHILIPS		GE		SYLVANIA	
Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
				20301	CF9DS/GREEN
				20300	CF9DS/BLUE
				20302	CF9DS/RED
262196	PL-S 13W/27	14650	F13BX/SPX27/827 10PK	20331	CF13DS/827
		14583	F13BX/SPX27/CD		
262022	PL-S 13W/30	17612	F13BX/SPX30/830 10PK	20283	CF13DS/830
262147	PL-S 13W/35	17048	F13BX/SPX35/835 10PK	20335	CF13DS/835
262139	PL-S 13W/41	20434	F13BX/SPX41/841 10 PK	20306	CF13DS/841
262162	PL-S 13W/50	11671	F13BX/SPX50	20309	CF13DS/850
				20311	CF5DS/E/827
				20315	CF5DS/E/841
				20312	CF7DS/E/827
				20316	CF7DS/E/841
				20313	CF9DS/E/827
				20317	CF9DS/E/841
				20314	CF13DS/E/827
				20284	CF13DS/E/830
				20318	CF13DS/E/841
345009	PL-L 18W/30	16649	F18BX/SPX30 10PK	20587	FT18DL/830
		16053	F18BX/SPX35 10PK	20588	FT18DL/835
345017	PL-L 18W/41	16940	F18BX/SPX41 10PK	20589	FT18DL/841
		17174	F18BX/SPX30/RS 10PK	20595	FT18DL/830/RS
		17175	F18BX/SPX35/RS 10PK	20594	FT18DL/835/RS
		17176	F18BX/SPX41/RS 10PK	20593	FT18DL/841/RS
		12521	F18BX/SPX65/RS		
345058	PL-L 24W/30	16944	F27/24BX/SPX30 10PK	20597	FT24DL/830
		16948	F27/24BX/SPX35 10PK	20580	FT24DL/835
345082	PL-L 24W/41	16951	F27/24BX/SPX41 10PK	20596	FT24DL/841
345116	PL-L 36W/30	16538	F39/36BX/SPX30 10PK	20581	FT36DL/830
349423	PL-L 36W/35	15867	F39/36BX/SPX 35 10PK	20582	FT36DL/835
345132	PL-L 36W/41	16952	F39/36BX/SPX41 10PK	20583	FT36DL/841
300426	PL-L 40W/30/RS	16953	F40/30BX/SPX30 10PK	20584	FT40DL/830/RS
		20444	F40/30BX/SPX30 36PK		
300434	PL-L 40W/35/RS	16648	F40/30BX/SPX35 10PK	20585	FT40DL/835/RS
		20446	F40/30BX/SPX35 36PK		
300442	PL-L 40W/41/RS	16954	F40/30BX/SPX41 10PK	20586	FT40DL/841/RS
		20447	F40/30BX/SPX41 36PK		
		10490	F40/30BX/SPX50/RS 36PK		
347476	PL-L 50W/30/RS	20898	F50BX/SPX30/RS 10PK		
347534	PL-L 50W/35/RS	20899	F50BX/SPX35/RS 10PK		
		20900	F50BX/SPX41/RS 10PK		
				20590	FT55DL/830
				20591	FT55DL/835
				20592	FT55DL/841
		12409	F9DBX23T4/SPX27/827	20689	CF9DD/827
				20783	CF9DD/830
				20690	CF9DD/835
245464	PL-C 13W/27/USA	18844	F13DBX23T4/SPX27 10PK	20691	CF13DD/827
		13578	F13DBX/SPX27/CD		
204354	PL-C 13W/30/USA	10574	F13DBX23T4/SPX30 10PK	20705	CF13DD/830
340059	PL-C 13W/35/USA	18556	F13DBX23T4/SPX35 10PK	20692	CF13DD/835
339549	PL-C 13W/41/USA	20531	F13DBX23T4/SPX41 10PK	20708	CF13DD/841
339432	PL-C 13W/27	18557	F13DBXT4/SPX27 10PK		
204347	PL-C 13W/30	12956	F13DBXT4/SPX30 10PK		
		18559	F13DBXT4/SPX35 10PK		
		20532	F13DBXT4/SPX41 10PK		
339440	PL-C 18W/27	12860	F18DBXT4/SPX27 10PK	20676	CF18DD/827
204362	PL-C 18W/30	12861	F18DBXT4/SPX30 10PK	20709	CF18DD/830

<i>PHILIPS</i>		<i>GE</i>		<i>SYLVANIA</i>	
Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
340083	PL-C 18W/35	12863	F18DBXT4/SPX35 10PK	20677	CF18DD/835
340117	PL-C 18W/41	12864	F18DBXT4/SPX41 10PK	20678	CF18DD/841
349530	PL-C 26W/27	35250	F26DBXT4/SPX27	20679	CF26DD/827
204446	PL-C 26W/30	35237	F26DBXT4/SPX30	20710	CF26DD/830
340091	PL-C 26W/35	35251	F26DBXT4/SPX35	20680	CF26DD/835
340125	PL-C 26W/41	35252	F26DBXT4/SPX41	20681	CF26DD/841
204784	PL-C 15mm/22W/27				
204792	PL-C 15mm/28W/27				
315119	PL-C 13W/27/4P	30035	F13DBX/SPX27/4P 10PK	20682	CF13DD/E/827
		10580	F13DBX/SPX30/4P 10PK	20721	CF13DD/E/830
237743	PL-C 13W/35/4P	30037	F13DBX/SPX35/4P 10PK	20671	CF13DD/E/835
240002	PL-C 13W/41/4P	30038	F13DBX/SPX41/4P 10PK	20667	CF13DD/E/841
314922	PL-C 18W/27/4P	12865	F18DBX/SPX27/4P 10PK	20683	CF18DD/E/827
		12866	F18DBX/SPX30/4P 10PK	20724	CF18DD/E/830
240044	PL-C 18W/35/4P	12869	F18DBX/SPX35/4P 10PK	20672	CF18DD/E/835
240051	PL-C 18W/41/4P	12870	F18DBX/SPX41/4P 10PK	20668	CF18DD/E/841
315127	PL-C 26W/27/4P	35247	F26DBXT4/SPX27/4P	20684	CF26DD/E/827
240259	PL-C 26W/30/4P	35235	F26DBXT4/SPX30/4P	20722	CF26DD/E/830
340281	PL-C 26W/35/4P	35248	F26DBXT4/SPX35/4P	20673	CF26DD/E/835
340315	PL-C 26W/41/4P	35236	F26DBXT4/SPX41/4P	20669	CF26DD/E/841
				20756	CF18DT/827
				20752	CF26DT/827
		34391	F13TBX/SPX27/A/4P	20891	CF13DT/E/827
		34395	F13TBX/SPX30/A/4P	20892	CF13DT/E/830
		34400	F13TBX/SPX35/A/4P	20893	CF13DT/E/835
		34387	F13TBX/SPX41/A/4P	20894	CF13DT/E/841
		34392	F18TBX/SPX27/A/4P	20875	CF18DT/E/IN/827
268029	PL-T 18W/30/4P/ALTO	34396	F18TBX/SPX30/A/4P	20876	CF18DT/E/IN/830
268201	PL-T 18W/35/4P/ALTO	34405	F18TBX/SPX35/A/4P	20877	CF18DT/E/IN/835
268227	PL-T 18W/41/4P/ALTO	34385	F18TBX/SPX41/A/4P	20878	CF18DT/E/IN/841
		34393	F26TBX/SPX27/A/4P	20879	CF26DT/E/IN/827
268235	PL-T 26W/30/4P/ALTO	34397	F26TBX/SPX30/A/4P	20880	CF26DT/E/IN/830
268243	PL-T 26W/35/4P/ALTO	34406	F26TBX/SPX35/A/4P	20881	CF26DT/E/IN/835
268250	PL-T 26W/41/4P/ALTO	34381	F26TBX/SPX41/A/4P	20882	CF26DT/E/IN/841
		34394	F32TBX/SPX27/A/4P	20883	CF32DT/E/IN/827
268326	PL-T 32W/30/4P/ALTO	34399	F32TBX/SPX30/A/4P	20884	CF32DT/E/IN/830
268334	PL-T 32W/35/4P/ALTO	34388	F32TBX/SPX35/A/4P	20885	CF32DT/E/IN/835
268722	PL-T 32W/41/4P/ALTO	34380	F32TBX/SPX41/A/4P	20886	CF32DT/E/IN/841
		25799	F13TBX/I/827/A/4P		
		25800	F13TBX/I/830/A/4P		
		25801	F13TBX/I/835/A/4P		
		25802	F18TBX/I/827/A/4P		
		25803	F18TBX/I/830/A/4P		
		25804	F18TBX/I/835/A/4P		
		44795	F42QBX/SPX27/A/4P	20887	CF42DT/E/IN/827
268730	PL-T 42W/30/4P/ALTO	44795	F42QBX/SPX30/A/4P	20888	CF42DT/E/IN/830
268755	PL-T 42W/35/4P/ALTO	34834	F42QBX/SPX35/A/4P	20889	CF42DT/E/IN/835
268763	PL-T 42W/41/4P/ALTO	44796	F42QBX/SPX41/A/4P	20890	CF42DT/E/IN/841
		12273	EL23/R25/WW		
		25418	EL23/R25/WW		
220178	SPECIALTY SLS 9				
220194	SPECIALTY SLS 11				
220038	UNIVERSAL SLS 15	12544	FLE15TBX/L/SPX27	29251	CF15EL/830/MED
220145	UNIVERSAL BC-SLS 15	27188	FLE15TBX/L/SW/CD		
287748	OUTDOOR EL/O 15	41325	FLE/6/T19/827	29262	CF13EL/B/830
287789	BUG-A-WAY EL/O 15 BAW				
287722	TABLE LAMP EL/T 15	27490	FLE15TBX/2/SPX27		
		12981	FLE15TBX/HPF/SPX27/SW		

PHILIPS		GE		SYLVANIA	
Product Code	Lamp Description	Product Code	Lamp Description	Product Code	Lamp Description
220350	FLOOD SLS/R30 15	13105	FLE15TBX/L/R30	29256	CF15EL/R30/830/MED
261669	D COR GLOBE SLS/G30 15	12501	FLE15TBX/L/G29	29258	CF15EL/G30/830/MED
261644	D COR GLOBE SLS/G40 15				
223240	UNIVERSAL/RH SLS/RH 16	41358	FLE15TBX/HPF/827		
		80506	FLG15/E-120	29261	CF13EL/G/830
287755	OUTDOOR EL/O 18	41326	FLE20/6/T19/827		
287730	TABLE LAMP EL/T 18	27492	FLE20TBX/2/SPX27		
220087	UNIVERSAL SLS 20	12545	FLE20TBX/L/SPX27	29252	CF20EL/830/MED
220152	UNIVERSAL BC-SLS 20	27189	FLE20TBX/L/SW/CD		
220129	UNIVERSAL/RH SLS/RH 20	41359	FLE20TBX/HPF/827		
		12987	FLE20TBX/HPF/SPX27/SW		
220384	FLOOD SLS/R30 20				
220392	FLOOD SLS/R40 20	40332	FLE20TBX/L/R40	29257	CF20EL/R40/830/MED
				29259	CF20EL/G40/830/MED
		13174	FLE20TBX/HPF/RFL/SW		
271155	DIMMABLE SLS/D 23				
271577	DIMMABLE BC-SLS/D 23				
225581	UNIVERSAL SLS 23	12546	FLE24TBX/SPX27	29253	CF23EL/830/MED
220137	UNIVERSAL/RH SLS/RH 23	12990	FLE25TBX/HPF/SPX27/SW		
220095	UNIVERSAL SLS 25	13129	FLE28QBX/SPX27		
220160	UNIVERSAL BC-SLS 25	27191	FLE28QBX/SW/CD		
		80503	FLB17		
		80504	FLG17		
294348	PL-S 5/27/SYS	80508	FLA5/SPX27		
294355	PL-S 7/27/SYS	80510	FLA7/SPX27		
294363	PL-S 9/27/SYS	80511	FLA9/SPX27		
		20659	FLA9BX/SPX27		
223164	PL-C 13/27/USA/SYS	80507	FLA13/SPX27		
		11307	FCA21/CD		
		14681	FCA21/BLB		
				29236	CF20/EL/C/830/MED
		25805	FEA212D/827-BULK		
		25806	FEA212D/835-BULK		
		26631	FEA212D/SW/EC/CD		
		41465	FEA30CIR/827/BULK	29237	CF30/EL/C/830/MED
		25807	FEA382D/827-BULK		
		25808	FEA382D/835-BULK		
		18739	FEA382D/SW/CD		
		25809	FEA382D/3W/827/B		
		25812	FEA382D/3W/835/B		
		27253	FEA382D/3WAY/CD		
		11526	FEA392D/HPF/SW/CD		
		25790	FEA13TBX/I/827/B		
		27623	FEA13TBX/I/827 6PK		
		25791	FEA13TBX/I/830/B		
		25792	FEA13TBX/I/835/B		
		25793	FEA13TBX/I/835/B		
		27624	FEA18TBX/I/827 6PK		
		25797	FEA18TBX/I/830/B		
		25798	FEA18TBX/I/835/B		
		16217	FLA7/9 BULK		
		25448	LENS-CFL/R30/PINK		
		25449	LENS-CFL/R30/RED		
		25451	LENS-CFL/R40/PINK		
		26632	LOCKDEVICE-UNIVERSAL		
		25455	LOCKDEVICE-SHRT		
		25454	LOCKDEVICE-STND		
		12257	FBS25/WX/PP		
		47912	FBS25/BLB/PP		
		12263	FBS25/GS/PP		






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Search Results -- 5

- ** indicates special order items. Click on [Ask for Ship Date](#) to e-mail us.
- Click on photo or part# to see detail.

	Product Photo	Product Part # & Description	Sales Unit	Unit Price	On Hand	Action
1		<u>0SEKE</u> Mfg Part#: EKE, Mfg: OSRAM SYLVANIA, Volts: 21V, Watts: 150W	1	\$\$	Ready to Ship	Add to Cart Show Equivalent
2		<u>1SEKE</u> Mfg Part#: EKE, Mfg: USHIO, Volts: 21V, Watts: 150W	1	\$\$	Ready to Ship	Add to Cart Show Equivalent
3		<u>2EEKE</u> Mfg Part#: EKE, Mfg: GENERAL ELECTRIC, Volts: 21V, Watts: 150W	1	\$\$	Ready to Ship	Add to Cart Show Equivalent
4		<u>3HEKE</u> Mfg Part#: EKE, Mfg: PHILIPS, Volts: 21V, Watts: 150W	1	\$\$	Ready to Ship	Add to Cart Show Equivalent
5		<u>4WEKE</u> Mfg Part#: EKE, Mfg: EIKO, Volts: 21V, Watts: 150W	1	\$\$	Ask for Ship Date	Add to Cart Show Equivalent



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A1A	105-125	1/12	T-2	PR15	4.82	0.5	B-31 2	6S6DC	120	6	S-6
A1B	105-125	1/25	T-2	PR16	12.5	0.25	B-31 2	6S6DC	130	6	S-6
A1C	105-125	1/7	T-2	PR18	7.2	0.55	B-31 2	6S6DC	145	6	S-6
A1H	105-125	1/7	T-2	PR20	8.63	0.5	B-31 2	6S6SC	48	6	S-6
A2A	105-125	1/15	T-2	PR30	3.75	0.86	B-31 2	6S6SC	155	6	S-6
A2B	105-125	1/15	T-2	PR33	2.6	1	B-31 2	7C7	115-125	7	C-7
A3C	105-125	1/4	T-2	P25-1	13.5	1.86	S-8	7C7	130	7	C-7
A9A	105-125	1/12	T-2	P25-2	13.5	1.86	S-8	10	2.5	0.5	G-31 2
B1A	105-125	1/25	T-31 4		13.5	0.44		10C7	120	10	C-7
B2A	105-125	1/7	T-31 4	SE1274	14.4	0.12	T-13 4	10C7DC	115-125	10	C-7
B7A	105-125	1/4	T-41 2	1000	6	55	H-1	10S6	230	10	S-6
B9A	105-125	1/4	T-41 2	1003	12	55	H-1	10S6DC	250	10	S-6
C2A	105-125	1/4	T-2	1004	12	100	H-1	10S6DC	250	10	S-6
C3A	105-125	1/4	T-2	1005	12	55	H-2	10S6DC	250	10	S-6
C5A	105-125	1/4	T-2	1006	6	55	H-3	12	6.3	0.15	G-31 2
C7A	105-125	1/12	T-2	1007	12	55	H-3	12C3	12	0.17	T-2
C9A	105-125	1/4	T-2	1008	24	70	H-3	12ESB5	12	0.04	T-2
DE3021	14	0.24	Festoon	1009	12	60/55	H-4	12MB	12	0.17	T-21 2
DE3022	13	0.38	Festoon	1010	24	75/70	H-4	12PSB5	12	0.17	T-2
DE3175	13	0.77	Festoon	1015	12	100	H-3	12RC	12	0.17	T-2
DE3423	13	0.39	Festoon	1018	12	100/90	H-4	13	3.7	0.3	G-31 2
DE3425	13	0.77	Festoon	1019	12	100/55	H-4	14	2.47	0.3	G-31 2
H1156	12.8	50	S-8	1021	12	100/80	H-4	15	7	0.4	G-41 2
H1157	12.8	50	S-8	1023	12	100	H-2	15T6C	130	15	T-6
	12.8	15		1027	24	70	H-1	15T6C	145	15	T-6
HPR36	5.5	1	T-3	1030	24	70	H-2	15T7C	130	15	T-7
HPR40	6	0.67	T-3	1031	12	35	H-3	15T7DC	130	15	T-7
HPR44	4	1	T-3	1.15A/S8	12	1.15	S-8	15T7N	130	15	T-7
HPR50	5.2	0.85	T-3	2	5	0.021	T-3 4	16ESB5	16	0.04	T-2
HPR51	6.5	0.7	T-3	2.03A/S8	12	2.03	S-8	18	14	0.04	T-13 4
HPR52	2.8	0.85	T-3	3.05A/S11	12	3.05	S-8	19	14.4	0.1	G-31 2
HPR53	4	0.85	T-3	3S6/5	120	3	S-6	20T6-1 2DC	130	20	T-61 2
HPR54	4	0.5	T-3	3S6/5	130	3	S-6	20T6-1 2DC/F	130	20	T-61 2
HPR55	5.2	0.5	T-3	3S6/5DC	120	3	S-6	20T6-1 2F	130	20	T-61 2
NE-2	(See A1A)			3S6/5DC	130	3	S-6	20T6-1 2N	130	20	T-61 2
NE-2A	(See A2A)			4C7	120	4	C-7	24	14	0.24	T-23 4
NE-2D	(See C7A)			4C7	130	4	C-7	24C3	24	0.072	T-2
NE-2E	(See A9A)			6MB	6	0.14	T-21 2	24CSB5	24	0.017	T-2
NE-2H	(See C2A)			6PSB5	6	0.14	T-2	24ESB5	24	0.04	T-2
NE-2J	(See C9A)			6RC	6	0.14	T-2	24MB	24	0.07	T-21 2
NE-2U	(See A3C)			6S6	6	6	S-6	24NA	14	0.24	T-23 4
NE-2V	(See A2B)			6S6	12	6	S-6	24PSB5	24	0.073	T-2
NE-45	(See B7A)			6S6	24	6	S-6	24RC	24	0.073	T-2
NE-48	(See B9A)			6S6	30	6	S-6	24X	24	0.035	T-2
NE-51	(See B1A)			6S6	48	6	S-6	25A/S8	12	0.25	S-8
NE51-R	105-125	0.3	T-31 4	6S6	60	6	S-6	25T6C-120V	120	25	T-6
NE51-H	(See B2A)			6S6	120	6	S-6	25T6-1 2DC	130	25	T-61 2
NE51H-R	105-125	1.2	T-31 4	6S6	130	6	S-6	25T6-1 2DC/F	130	25	T-61 2
NE83	60-100	1.15	T-2	6S6	145	6	S-6	25T6-1 2N	130	25	T-61 2
NE86	55-90	0.2	T-2	6S6	155	6	S-6	25T6-1 2N/F	130	25	T-61 2
PR2	2.38	0.5	B-31 2	6S6	230	6	S-6	25T8C	120	25	T-8
PR3	3.57	0.5	B-31 2	6S6DC	6	6	S-6	25T8DC	130	25	T-8
PR4	2.33	0.27	B-31 2	6S6DC	12	6	S-6	25T8N	130	25	T-8
PR6	2.47	0.3	B-31 2	6S6DC	24	6	S-6	25T10	130	25	T-10
PR7	3.7	0.3	B-31 2	6S6DC	30	6	S-6	25T10/F	130	25	T-10
PR9	2.7	0.15	B-31 2	6S6DC	32	6	S-6	27	4.9	0.3	G-41 2
PR12	5.95	0.5	B-31 2	6S6DC	48	6	S-6	28ES	28	0.04	T-2
PR13	4.75	0.5	B-31 2	6S6DC	60	6	S-6	28ESB5	28	0.04	T-2

Ordering Code	Volts	Amps/watts	Size	Ordering Code	Volts	Amps/watts	Size	Ordering Code	Volts	Amps/watts	Size
28MB	28	0.05	T-21 2	87	6.8	1.91	S-8	209	6.5	1.78	B-6
28PSB5	28	0.04	T-2	88	6.8	1.91	S-8	210	6.5	1.78	B-6
28RC	28	0.04	T-2	89	13	0.58	G-6	211-2	12.8	0.97	T-3
31	6.15	0.3	G-41 2	89K	13	0.58	G-6	211-2B	12.8	0.97	Festoon
35A2	35	0.04	T-2	90	13	0.58	G-6	211/2F	12.8	0.97	Festoon
35A3	35	0.04	T-2	90MB	90	0.03	T-21 2	211-2R	12.8	0.97	Festoon
37	14	0.09	T-13 4	93	12.8	1.04	S-8	212-2	13.5	0.74	T-3
40	6.3	0.15	T-31 4	93IF	12.8	1.04	S-8	214-2	13.5	0.52	T-3
40T6-1 2N	130	40	T-61 2	94	12.8	1.04	S-8	219	6.3	0.25	G-31 2
40T6-1 2N/F	130	40	T-61 2	96	13.5	0.69	G-6	222	2.25	0.25	TL-3
40T10	130	40	T-10	97	13.5	0.69	G-6	233	2.33	0.27	G-31 2
40T10/F	130	40	T-10	97A	13.5	0.69	G-6	239	6.3	0.36	T-31 4
41	2.5	0.5	T-31 4	98	13	0.62	G-6	240	6.3	0.36	T-31 4
43	2.5	0.5	T-31 4	99	13	0.62	G-6	243	2.33	0.27	TL-3
44	6.3	0.25	T-31 4	104	12.8	1	B-6	245	2.46	0.5	G-31 2
45	3.2	0.35	T-31 4	105	12.8	1	B-6	251	2.47	0.3	T-13 4
46	6.3	0.25	T-31 4	112	1.2	0.22	TL-3	253	2.5	0.35	TL-13 4
47	6.3	0.15	T-31 4	118F	14.4	0.124	T-21 4	256	14	0.27	T-31 4
48	2	0.06	T-31 4	120MB	120	0.025	T-21 2	257	14	0.27	G-41 2
48C2	48	0.035	T-2	120MB-NEON	120		T-21 2	258	14	0.27	G-41 2
48C3	48	0.035	T-2	120MB/6	120	0.052	T-21 2	259	6.3	0.25	T-31 4
48ESB5	48	0.04	T-2	120PSB5	120	0.025	T-2	265	28	0.08	G-31 2
48MB	48	0.05	T-21 2	120PSB5-NEON	120		T-2	268	2.5	0.35	T-13 4
48PSB5	48	0.053	T-2	120RB	120	0.025	T-2	269	32	0.04	T-13 4
48RC	48	0.05	T-2	120RC	120	0.025	T-2	276	28	0.06	T-13 4
49	2	0.06	T-31 4	120RC-NEON	120		T-2	293	14	0.33	G-41 2
50	7.5	0.22	G-31 2	123	1.25	0.3	G-31 2	301	28	0.17	G-5
51	7.5	0.22	G-31 2	124	14	0.27	T-31 4	303	28	0.3	G-6
52	14.4	0.1	G-31 2	130	6.3	0.15	G-31 2	304	28	0.3	G-6
53	14.4	0.12	G-31 2	130MB	130	0.025	T-21 2	306	28	0.51	S-8
53X	14.4	0.12	G-31 2	131	1.3	0.1	G-31 2	307	28	0.67	S-8
55	7	0.41	G-41 2	137	6.6	0.25	G-31 2	308	28	0.67	S-8
55A/S8	12	0.55	S-8	147	7	0.43	T-31 4	309	28	0.9	S-11
55C3	55	0.05	T-2	155MB	155	0.025	T-21 2	311	28	1.29	S-11
57	14	0.24	G-41 2	155PSB5	155	0.025	T-2	313	28	0.17	T-31 4
57X	14	0.24	G-41 2	158	14	0.24	T-31 4	315	28	0.9	S-8
60A3	60	0.05	T-2	159	6.3	0.15	T-31 4	323	3	0.19	T-11 4
60MB	60	0.05	T-21 2	161	14	0.19	T-31 4	324	3	0.19	T-11 4
60PSB5	60	0.05	T-2	161LL	14	0.19	T-31 4	325	3	0.19	T-11 4
60RB	60	0.05	T-2	162	7	0.065	G-2	326	2.5	0.4	T-11 4
60RC	60	0.05	T-2	168	14	0.35	T-31 4	327	28	0.04	T-13 4
63	7	0.63	G-6	168LL	14	0.35	T-31 4	328	6	0.2	T-13 4
64	7	0.63	G-6	182	14.4	0.18	G-31 2	330	14	0.08	T-13 4
67	13.5	0.59	G-6	184	14	0.24	T-31 4	331	1.35	0.06	T-13 4
67A	13.5	0.59	G-6	192	13	0.33	T-31 4	334	28	0.04	T-13 4
67K	13.5	0.59	G-6	193	14	0.33	T-31 4	335	28	0.04	T-13 4
68	13.5	0.59	G-6	194	14	0.27	T-31 4	335LSV	28	0.06	T-13 4
70	14	0.15	T-13 4	194A	14	0.27	T-31 4	336	14	0.08	T-13 4
72	22	0.18	G-6	194ALL	14	0.27	T-31 4	337	6	0.2	T-13 4
73	14	0.08	T-13 4	194B	14	0.27	T-31 4	338	2.7	0.06	T-13 4
74	14	0.1	T-13 4	194LL	14	0.27	T-31 4	342	6	0.04	T-13 4
75X	2.5	0.35	TL-13 4	194R	14	0.27	T-31 4	344	10	0.014	T-13 4
77A/S8	12	0.77	S-8	194NA	14	0.27	T-31 4	345	6	0.04	T-13 4
81	6.5	1.02	G-6	198	12.8	2.25	S-8	346	18	0.04	T-13 4
82	6.5	1.02	G-6		14	0.59		349	6.3	0.2	T-13 4
84	6.3	0.04	T-13 4	198LL	12.8	2.25	S-8	350	6.3	0.15	T-13 4
85	28	0.04	T-13 4		14	0.59		356	28	0.17	G-31 2
86	6.3	0.2	T-13 4	199	12.8	2.25	S-8	359	1.35	0.06	G-31 2

Miniatures

Ordering Code	Volts	Amps/watts	Size	Ordering Code	Volts	Amps/watts	Size	Ordering Code	Volts	Amps/watts	Size
363	14	0.2	G-31 2	683	5	0.06	T-1	1019	12.8	5	G-161 2
365	3.69	0.5	G-31 2	683R	5	0.06	T-1	1034	12.8	1.8	S-8
367	10	0.04	T-13 4	685	5	0.06	T-1		14	0.59	
368	2.5	0.2	T-13 4	713	5	0.075	T-1	1034A	12.8	1.8	S-8
370	18	0.04	T-13 4	714	5	0.075	T-1		14	0.59	
371	6	0.06	T-11 4	715	5	0.115	T-1	1034NA	12.8	1.8	S-8
373	14	0.08	T-13 4	718	5	0.115	T-1		14	0.59	
375	3	0.015	T-13 4	755	6.3	0.15	T-31 4	1073	12.8	1.8	S-8
376	28	0.06	T-13 4	756	14	0.08	T-31 4	1076	12.8	1.8	S-8
377	6.3	0.075	T-13 4	757	28	0.08	T-31 4	1093	12.8	1.19	S-8
378	6.3	0.2	T-13 4	778	6	0.333	T-21 4	1095	14	0.51	S-8
379	6.3	0.2	T-13 4	787	6	1.67	T-21 4	1096	6	4.5	S-8
380	6.3	0.04	T-13 4	788	6	3.33	T-21 4	1096X	6	4.5	S-8
381	6.3	0.2	T-13 4	789	12	1.17	T-21 4	1129	6.4	2.63	S-8
382	14	0.08	T-13 4	795	12.8	50	T-4	1130	6.4	2.63	S-8
385	28	0.04	T-13 4	795X	12.8	50	T-4	1133	6.2	3.91	RP-11
386	14	0.08	T-13 4	796	12.8	35	T-4	1134	6.2	3.91	RP-11
387	28	0.04	T-13 4	880	12.8	27	T-31 4	1139IF	12.8	1.04	RP-11
388	28	0.04	T-13 4	881	12.8	27	T-31 4	1141	12.8	1.44	S-8
390	3	0.015	T-13 4	882	12.8	0.35	T-21 4	1141A	12.8	1.44	S-8
393	14	0.1	T-13 4	884	12.8	27	T-31 4	1141IF	12.8	1.44	S-8
394	12	0.04	T-13 4	885	12.8	50	T-31 4	1141LL	12.8	1.44	S-8
397	10	0.04	T-13 4	886	12.8	50	T-31 4	1142	12.8	1.44	S-8
398	6.3	0.2	T-13 4	889	12.8	27	T-31 4	1143	12.5	1.98	RP-11
399	28	0.04	T-13 4	890	12.8	27	T-31 4	1143IF	12.5	1.98	RP-11
400	28	0.1	T-31 4	891	12.8	8	T-3	1144	12.5	1.98	RP-11
407	4.9	0.3	G-41 2	892	12.8	16	T-31 4	1152	12.8	1.34	S-8
425	5	0.5	G-41 2	893	12.8	37.5	T-31 4	1154	6.4	2.63	S-8
428	12.5	0.25	G-41 2	894	12.8	37.5	T-31 4		7	0.75	
431	14	0.25	G-41 2	895	40	0.53	S-8	1155	13.5	0.59	G-6
432	18	0.25	G-41 2	896	12.8	37.5	T-31 4	1156	12.8	2.1	S-8
433	18	0.25	G-41 2	899	12.8	37.5	T-31 4	1156A	12.8	2.1	S-8
455	6.5	0.5	G-41 2	901	12.8	0.31	T-5	1156LL	12.8	2.1	S-8
459	22	0.04	T-13 4	904	13.5	0.69	T-5	1156NA	12.8	2.1	S-8
464	28	0.17	T-31 4	906	13	0.69	T-5	1157	12.8	2.1	S-8
502	5.1	0.15	G-41 2	908	6	1.5	T-5		14	0.59	
503	5.1	0.15	G-41 2	909	6	0.62	T-5	1157LL	12.8	2.1	S-8
509K	24	0.18	G-6	912	12.8	1	T-5		14	0.59	
515	5	0.115	T-11 4	912LL	12.8	1	T-5	1157A	12.8	2.1	S-8
555	6.3	0.25	T-31 4	914	4	0.9	T-5		14	0.59	
558	13	0.33	T-31 4	915	12	0.75	T-5	1157NA	12.8	2.1	S-8
560	14	0.44	T-3	916	13.5	0.54	T-5		14	0.59	
561	12.8	0.97	T-3	916NA	13.5	0.54	T-5	1157NALL	12.8	2.1	S-8
562	13.5	0.74	T-3	917	12.8	1.2	T-5		14	0.59	
563	13.5	0.52	T-3	918	12.8	0.56	T-5	1158	6.4	2.63	S-8
564	14	0.44	T-3	920	12.8	1.2	T-5		7	0.75	
570	12.8	2.1	T-43 4	921	12.8	1.4	T-5	1159	12.8	1.6	S-8
577	12.8	1.4	T-43 4	921LL	12.8	1.4	T-5	1176	12.8	1.34	S-8
585	28	0.04	T-31 4	922	12.8	0.98	T-5		14	0.59	
605	6.15	0.5	G-41 2	923	12.8	0.9	T-5	1176IF	12.8	1.34	S-8
623	28	0.37	G-6	928	28	0.3	T-5		14	0.59	
624	28	0.37	G-6	957	9.84	0.5	T-41 2	1178	13.5	0.69	G-6
631	14	0.63	G-6	965	9.84	0.5	T-41 2	1178A	13.5	0.69	G-6
656	28	0.06	T-31 4	976	12	6	G-161 2	1183	5.5	6.25	RP-11
657	28	0.08	T-31 4	1003	12.8	0.94	B-6	1184	5.5	6.25	RP-11
658	14	0.08	T31 4	1004	12.8	0.94	B-6	1195	12.5	3	RP-11
680	5	0.06	T-1	1016	12.8	1.34	S-8	1196	12.5	3	RP-11
682	5	0.06	T-1		14	0.59		1203	28	0.71	S-8

Ordering Code	Volts	Amps/ watts	Size	Ordering Code	Volts	Amps/ watts	Size	Ordering Code	Volts	Amps/ watts	Size
1204	28	0.71	S-8	1804	4	0.06	T-31 4	2174	12	0.04	T-13 4
1209	6.1	4.1	RP-11	1809	2	0.06	T-31 4	2176	24	0.05	T-13 4
1224	34	0.16	G-6	1810	6.3	0.4	T-31 4	2180	6.3	0.04	T-13 4
1240	32	3.5	G-161 2	1813	14.4	0.1	T-31 4	2181	6.3	0.2	T-13 4
1251	28	0.23	G-6	1815	14	0.2	T-31 4	2182	14	0.08	T-13 4
1252	28	0.23	G-6	1816	13	0.33	T-31 4	2185	28	0.04	T-13 4
1293	12.5	3	RP-11	1818	24	0.17	T-31 4	2187	28	0.04	T-13 4
1295	12.5	3	S-8	1819	28	0.04	T-31 4	2200	5	0.06	T-13 4
1295NA	12.5	3	S-8	1820	28	0.1	T-31 4	2203	5	0.115	T-13 4
1309	28	0.52	B-6	1821	28	0.17	T-31 4	2232	28	0.643	S-8
1376	12.8	1.6	S-8	1822	36	0.1	T-31 4	2233	28	0.766	S-8
	14	0.64		1823	48	0.1	T-31 4	2242	12.8	2.1	S-8
1383	13	1.5	R-12	1826	18	0.15	T-31 4		14	0.59	
1384	6	3.3	R-12	1828	37.5	0.05	T-31 4	2357	12.8	2.23	S-8
1385	28	0.72	R-12	1829	28	0.07	T-31 4		14	0.59	
1408	10	0.13	T-31 4	1835	55	0.05	T-31 4	2357A	12.8	2.23	S-8
1414	14	0.46	T-41 2	1843	28	0.022	T-31 4		14	0.59	
1445	14.4	0.135	G-31 2	1847	6.3	0.15	T-31 4	2357LL	12.8	2.23	S-8
1447	18	0.15	G-31 2	1850	5	0.09	T-31 4		14	0.59	
1449	14	0.2	G-31 2	1855	6.3	0.8	T-41 2	2357NA	12.8	2.23	S-8
1460	6.5	2.75	S-8	1864	28	0.17	T-31 4		14	0.59	
1460X	6.5	2.75	S-8	1866	6.3	0.25	T-31 4	2396	12.8	2.23	S-8
1468X	6	4.5	S-8	1869	10	0.014	T-13 4	2397	12.8	2.23	S-8
1474	14	0.17	T-3	1873	28	0.2	T-31 4		14	0.48	
1477	24	0.17	T-3	1876	3.5	2.5	T-5	2721	12	0.1	T13 4
1487	14	0.2	T-31 4	1884	6.5	1.54	T-5	2821	12	0.25	T31 4
1489	6.5	2.75	T-5	1888	7	0.5	T-31 4	2825	12	0.4	T31 4
1490	3.2	0.16	T-31 4	1889	14	0.27	T-31 4	3057	12.8	2.1	S-8
1493	6.5	2.75	S-8	1891	14	0.24	T-31 4		14	0.48	
1495	28	0.3	T-41 2	1892	14.4	0.12	T-31 4	3057K	12.8	2.1	S-8
1503	5.9	6.53	RP-11	1893	14	0.33	T-31 4		14	0.48	
1507	12.5	3	RP-11	1895	14	0.27	G-41 2	3057NA	12.8	2.1	S-8
1591	28	0.61	S-8	1895A	14	0.27	G-41 2		14	0.48	
1591IF	28	0.61	S-8	1895B	14	0.27	G-41 2	3057NAK	12.8	2.1	S-8
1619	6.7	1.9	S-8	1895R	14	0.27	G-41 2		14	0.48	
1630	6.5	2.75	S-8	1906	5	0.07	T-31 4	3155	12.8	1.44	S-8
1631X	6.5	2.75	S-8	2031	12.8	1.14	S-8	3155K	12.8	1.44	S-8
1634	20	1.01	S-8	2033	13.5	0.22	T21 4	3156	12.8	2.1	S-8
1648	8	2.1	S-8	2040	12.8	0.625	T21 4	3156K	12.8	2.1	S-8
1649	6.5	2.75	S-8	2057	12.8	2.1	S-8	3157	12.8	2.1	S-8
1651	5	0.6	S-8		14	0.48			14	0.59	
1662	28	0.93	S-8	2057A	12.8	2.1	S-8	3157K	12.8	2.1	S-8
	28	0.34			14	0.48			14	0.59	
1680IF	6	4.1	S-8	2057LL	12.8	2.1	S-8	3157NA	12.8	2.1	S-8
1683	28	1.02	S-8		14	0.48			14	0.59	
1691	28	0.61	S-8	2057NA	12.8	2.1	S-8	3157NAK	12.8	2.1	S-8
1692	28	0.61	S-8		14	0.48			14	0.59	
1705	14	0.08	T-13 4	2057NALL	12.8	2.1	S-8	3357	12.8	2.23	S-8
1728	1.35	0.06	T-13 4		14	0.48			14	0.59	
1730	6	0.04	T-13 4	2058U	12.8	2.1	S-8	3357K	12.8	2.23	S-8
1738	2.7	0.06	T-13 4		14	0.48			14	0.59	
1739	6.3	0.075	T-13 4	2102	18	0.04	T-13 4	3357NA	12.8	2.23	S-8
1763	6.1	4.1	S-11	2107	10	0.04	T-13 4		14	0.59	
1764	28	0.04	T-13 4	2112	6.3	0.2	T-13 4	3357NAK	12.8	2.23	S-8
1768	6	0.2	T-13 4	2114	6	0.06	T-11 4		14	0.59	
1769	2.5	0.2	T-13 4	2144	12.8	2.1	S-8	3457	12.8	2.23	S-8
1775	6.3	0.075	T-13 4	2158	3	0.015	T-13 4		14	0.59	
1783	2.5	0.2	T-13 4	2162	14	0.1	T-13 4	3457K	12.8	2.23	S-8

Miniatures

Ordering Code	Volts	Amps/watts	Size	Ordering Code	Volts	Amps/watts	Size	Ordering Code	Volts	Amps/watts	Size
	14	0.59		7646	14	0.08	T-13 4	JF06XE	12	0.833	T-31 4
3457NA	12.8	2.23	S-8	7680	5	0.06	T-1	JF07XE	12	0.833	T-31 4
	14	0.59		7683	5	0.06	T-1	JF08XE	12	1	T-31 4
3457NAK	12.8	2.23	S-8	7714	5	0.075	T-1	JF13XE	24	0.21	T-31 4
	14	0.59		7715	5	0.115	T-1	JF14XE	24	0.208	T-31 4
3496	12.8	1.1	T-6	7839	28	0.025	T-1	JF16XE	24	0.417	T-31 4
	14	0.59		7868	2.5	0.35	T-13 4	JF17XE	24	0.417	T-31 4
3497	12.8	2.1	T-6	7876	28	0.06	T-13 4	JF120030XE	12	0.25	T-31 4
3652	13.5	0.37	T31 4	7945	6	0.04	T-13 4	JF135050XE	13.5	0.37	T-31 4
3893	12	0.33	T23 4	8095	10	0.027	T-1	JF135100XE	13.5	0.74	T-31 4
5007	12	0.41	B-6	8111	14	0.065	T-1	JF200200XE	20	0.4	T-31 4
5008	12	0.83	B-6	8112	14	0.065	T-1	JF220220XE	22	0.3	T-31 4
6022	5	0.021	T-1	8362	14	0.08	T-13 4	JF260050XE	26	0.192	T-31 4
6253	12	0.5	G-41 2	8369	28	0.065	T-13 4	JF260100XE	26	0.385	T-31 4
6411	12	0.83	Festoon	8610	6.3	0.2	T-11 4	KK10XE	13.5	0.37	T-31 4
6418	12	0.4	Festoon	8627	28	0.04	T-11 4	KK14XE	13	0.62	T-31 4
6609F	12	0.05	T-2	8632	28	0.04	T-11 4	KK16XE	13.5	0.74	T-31 4
6610F	12	0.055	T-2	8640	14	0.08	T-11 4	KK20XE	26	0.192	T-31 4
6614F	14	0.05	T-2	8666	5	0.08	T-3 4	KK23XE	26	0.385	T-31 4
6615F	14	0.08	T-2	8705	6	0.04	T-13 4	KL10XE	13.5	0.37	T-31 4
6832	5	0.06	T-1	8711	2.5	0.32	T-1	KL14XE	13	0.62	T-31 4
6833	5	0.06	T-3 4	8805	5	0.06	T-13 4	KL16XE	13.5	0.74	T-31 4
6838	28	0.025	T-1	8910	1.35	0.22	T-1	KL20XE	26	0.192	T-31 4
6839	28	0.025	T-1	8918	14	0.1	T-13 4	KL23XE	26	0.385	T-31 4
6848	48	0.025	T-13 4	9003	12	(60/55)	T-5	KN10XE	13.5	0.37	T-31 4
7210	5	0.03	T-1	9004	12	(65/45)	HB1	KN14XE	13	0.62	T-31 4
7216	5	0.125	T-1	9004LL	12.8	(65/45)	HB1	KN16XE	13.5	0.74	T-31 4
7218	10	0.027	T-1	9005	12.8	65	HB3	KN20XE	26	0.192	T-31 4
7219	12	0.06	T-1	9006	12.8	55	HB4	KN23XE	26	0.385	T-31 4
7225	12	1.75	S-8	9007	12.8	(65/55)	HB5	KO10XE	13.5	0.37	T-31 4
	12	0.33		42001	1.35	0.32	T-1	KO14XE	13	0.62	T-31 4
7327	28	0.04	T-13 4	42003	2.7	0.32	T-1	KO16XE	13.5	0.74	T-31 4
7328	6	0.2	T-13 4	64111	12	0.416	T-23 4	KO20XE	26	0.192	T-31 4
7330	14	0.08	T-13 4					KO23XE	26	0.385	T-31 4
7333	5	0.06	T-13 4					921X	12.8	1.4	T-5
7335	5	0.115	T-13 4	Krypton Lamps				1210X	12	0.833	T-31 4
7341	28	0.065	T-13 4	K12	5.95	0.7	B-31 2	1211X	12	0.917	T-31 4
7349	6.3	0.2	T-13 4	K15	4.8	0.7	B-31 2	1225X	14	0.18	T-2
7361	5	0.06	T-13 4	K222	2.33	0.6	TL-3	1230X	14	0.214	T-2
7362	5	0.115	T-13 4	KPR2	2.4	1	B-31 2	1236X	12	0.3	T-31 4
7367	10	0.04	T-13 4	KPR3	3.6	0.91	B-31 2	1250X	13.5	0.37	T-31 4
7371	12	0.04	T-13 4	KPR4	2.2	0.47	B-31 2	1250X-1	13.5	0.37	T-31 4
7373	14	0.1	T-13 4	KPR13	4.75	0.5	B-31 2	1250X-2	13.5	0.37	T-31 4
7374	28	0.04	T-13 4	KPR102	2.4	0.7	B-31 2	1250X-5	13.5	0.37	T-31 4
7376	28	0.065	T-13 4	KPR103	3.6	0.7	B-31 2	1440X	14	0.286	T-31 4
7377	6.3	0.075	T-13 4	KPR118	7.2	0.55	B-31 2	1450X	14	0.357	T-31 4
7380	6.3	0.04	T-13 4	KPR130	3.85	1.2	B-31 2	1522X	22	0.35	T-5
7381	6.3	0.2	T-13 4	KPR131	2.4	0.835	B-31 2	1524X	22	0.3	T-5
7382	14	0.08	T-13 4	KPR139	3.85	1.32	B-31 2	2408X	24	0.3	T-5
7387	28	0.04	T-13 4					2410X	24	0.417	T-31 4
7440	12.8	1.64	T-6	Xenon Lamps				2410X-1	24	0.417	T-31 4
7443	12.8	1.64	T-6	JD01XE	6	0.833	T-21 2	2410X-2	24	0.417	T-5
	14	0.36		JD02XE	6	0.833	T-21 2	2450X	24	0.208	T-31 4
7506	12	1.75	S-8	JD03XE	12	0.417	T-21 2	2470X	24	0.3	T-31 4
7515	5	0.115	T-11 4	JD04XE	12	0.417	T-21 2	2475X	24	0.313	T-31 4
7528	12	1.75	S-8	JF01XE	6	0.833	T-31 4	2475X-1	24	0.313	T-31 4
	12	0.42		JF02XE	6	0.833	T-31 4	2860X	28	0.214	T-31 4
7632	28	0.04	T-11 4	JF03XE	12	0.417	T-31 4	3627X	3.6	0.75	T-31 4
				JF04XE	12	0.417	T-31 4				

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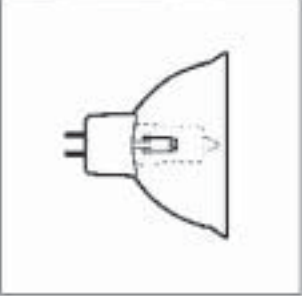

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OSEKE

Product Specifications
Mfg Part# - EKE
Mfg - OSRAM SYLVANIA
Volts - 21V
Watts - 150W
Shape - MR16
Base - GX5.3
ANSI - EKE
Overall Length (mm") - 44.5MM
Mfg Product Code - 54842
Part# - OSEKE

Additional Product Data
Filament - CC6
Diameter (mm") - 51MM
Life - 200H
Reflector Type - SMOOTH MIRROR
C Temp / Kelvin - 3300K



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Surgical

Manufacturer	Model/Part No.	Ordering Code
ALM Surgical	1001154	ETG
	72415	ENH
	730453, ECA-001, ECA-002, 74000, 84000	505454J
	Exam Light Illuminator III	64488FR 64488CL
Amsco (American Sterilizer)	XQ28	P129362228
	Challenge 22 & Polaris 22	P129249001
	Model 360	150P252SB120V
ASC (Applied Surgical Concepts)		64650
		64653
Burton	1006926/7113816	7113816
	220	64488CL OR 64488FR
	Cool Spot Exam Light #0134100/0006004	DDL
	006126	64486CL OR 64486FR
	244322 (0007006)	EKE
	11304/000123	150P2510120V
Castle	2000	JCD24V60WDC
	8415P, 2400, 209P	ETC
	49455/60962	ESP
	60976	ESR
Cuda	SYC0020	HTI250W32CUDA
Concept	8426	HTI250W32CONC
Dyonics	22341	HTI250W32MODI
Kennex	01150191	936003
Luxtek	001325	DNF
	001725	EZG
	ACO 8000	6423
Martin/Berchtold	Chromphare C570 & C571	
	88906-24, 88908-24	1413
	C950 88907-24	M36
	Chromphare 200	6899
MP Video	016395	HTI250W32MP
Rush-Pilling	521211	DNF
Siemens (Hanalux)	Spezial	018565
	Melborne, Oslo, Heidelberg	018769
	London, Frankfurt	018566
	Amsterdam, Hamburg	018366
	Hamburg	018550
	Boston, London	016678
	Universal, Assistant, Hamburg	016170
	Boston	016679
Skytron	SH42, KR37, KR52	A1010281
	B501132, H24100	24V100WDKK
	Excel 97, 98, 96, 56, Nova 100, 90, 75, 58	HCR1503S
	Hospilite/B101028, H24501	H24501
Storz	ENT Headlight 484CE	157
Stryker	Quantum 3000	HTI250W32STRY
	Quantum 4000	HTI250W22STRY
	Quantum 5000	HTI250W22SS
Wolf	GB Cart	EZG
Zeiss	Superlux 40/310752	HTI250W32MODI
	3800799040	64627HLX
Zimmer	HTI250W/32 MODI	HTI250W32MODI

Manufacturer	Model/Part No.	Ordering Code
ACMI/Ciron	MV9086, MV9087	DNF
	ALV1/Y1089	PE300BF
Acufex	FRX3000, 013849/Y1128	PE300BF
Acuity	AO9501, AO9502, Ultralife, 013845	PE300BF
ALM MTA	Starpointe XE	PE300BF
Applied Fibreoptics	BriteLite III	PE300BF
Baxter/Edwards	OPTX300	PE300BF
Butcher/Solos	GS9200	908511F
Cabot Medical	3000/Y1199	PE300BF
Concept	8430, 8431, 8170, 8180	PE300BF
Cooper Surgical	Endomet LSS700	PE300BF
Dyonics	DYO-Bright 300XE	PE300BF
Endo Image	300W Xenon	PE300BF
FPO	Y1089	PE300BF
Fujikara	LX300	PE300BF
Fujinon (FPO)	EXP 302/Y1072/Y1089/LX401 FLXDS 300, 600, EPX301A, Y1072	PE300BF
Fuji	FLX2000	908510FP
ILC	Y1153	PE300BF
	EX30010 F	90851310F
Kay	Swallowing Workstation	PE300BF
Linvatec	300W Xenon/8170	PE300BF
Luxtek	LUX1900 Series/Y1144	908512F
	1000 Series	91150F
	7000, 8000, 9000, 9300	PE300BF
	LUX 9000/Y1290	908510FP
	LX125F	908513F
Medical Dynamics	6100XE	PE300BF
Mist	300W Xenon	PE300BF
Mitsubishi	LS150X	908505F
	LS300X/Y1089	PE300BF
	LSU300X	908506UV
Nextec	300W Xenon	PE300BF
Olympus	CV1, CLV10, CLV20/Y1052	PE300BF
	CLVU40/Y1064S	908510FPS
	CLVS, CLVU20, CLVU20S/Y1064S	908510FPS
	CLVF10/Y1064	908510FP
	XLS 175, 8310007/Y1176	908511F
	CLVS20, CLX, CLVA, ILX6300/Y1052	PE300BF
Origin Medical	300W Xenon	PE300BF
ORC	6000, CIA, CIT, CIO, CIS, CIW, 5800, 5800E	PE300BF
Pentax	LX300, EPM3000, OLX4/Y1089	PE300BF
	LX500A/OLX5	908512F
Pilling	300W Xeon (Lamp Only)	PE300BF

Manufacturer	Model/Part No.	Ordering Code
SLM/Aminco	SPF 500, CFA182	908506UV
Snowden Pencer	Xenon L/S 300W	PE300BF
Storz	300 (20133020), 20133026 Lamp Only	PE300BF
	610, 610XE, 610C, 611C, 487C	PE300BF
	615B, 615C, 615XE, 615XES/Y1176	908511F
	611XE, 630	908510FP
Tagarno	35AX Acubeam	PE300BF
Toshiba	Y1089	PE300BF
Vanguard	XR35, XRM-4, XR300, XR350	PE300BF
Video Dynamics	XLC300	PE300BF
V. Muller/Baxter	OP SIS VS5510	PE300BF
	VS5600, VS5500	PE300BF
	XENON L/S	PE300BF
Weck	Wecklite 300, 1300 (Lamp Only)	PE300BF
Welch Allyn	VP3, VP2000/Y1139	908510FP
Wolf	5120	PE300BF
Zeiss	Superlux 175/Y1308	908511F
	Superlux 300	PE300BF



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Dental



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Dental

Manufacturer	Unit Model	Ordering Code
Acubite	Hilux 200 & 250	64617
ADC	Quala 2501	13165
Adec	A-Dec Dental lamp 6300, Cascade	64151 FCS
Air Techniques	Vista Cam	EFR
Algotec	Walklite	EFM
Almore	OPII	64617
American Midwest	Oral Illum, II, III Insight I, II	ELZ ETJ
Apollo	High Speed Hand Piece	FDS
Astron Dental	XL2, XL3, XL6T	PLS9W10
Harry J. Bosworth	Bosworth Light Superlight	ESD EFR
Boyd Industries	Op-Lite S1500	ESX
Castle	Panovision Original Unit Surgery Light 2410C Exam 60679 Rolux I Rolux II	125T10P120V 100A21SP JCD24V60WDC ETC ESR EJL ENZ
Chayes Light	Belmont 040, 045, 046, 047, 058, 049, HLU, X-Caliber, Chayes Exam & OP	64151
Clive Craig	Desktop Wallmount	F14T12D F14T8D
Coby	Photo Curing	EJA
Coe Labs	Co-Lite	EFR
Coltene	DI-500 Coltolux 2, 3, 4	64440 64617
Cuda Products	M3-150 Multi-Light SRC & FO	DNF
Cygnus	Cygnascope	ETJ
Darby	Superdent 2001, 2500 & 1000 Superdent 7500 Superdent 5000, 8000	64617 EJV ESD
De Trey	Prismetics Euro	64617
Degussa	2352-3301	64617
Demetron	Optilux 50, 150 Optilux 35, 350 Optilux 101, 200, 400, 401, 403 VLC 100, 200, 300	64624 13165 64617
Den-Mat	Ceri Light Marathon Visar II Marathon I, Marathon II	64624 ESD OR EKE EJV OR EKE EJA
DentAmerica	690 Lexus 550 Litex 650, 660, 680, Hilux 350	13165 PLS9W08 64617
Dental & Medical	Telicam	ESD

Manufacturer	Unit Model	Ordering Code
Dental-Ez	DEI-003	FDSDZE
	201 Desk/ 202 Wall	F6T5D
Dental Resources	Pro-Cure	PLS9W10
Dentech	Ultima II	EVA
Dentsply (also LD Caulk, EFOS)	Super Spectrum, QHL 75	64617
	Spectrum	13298
	Retrospective, Perspective	EFN
	Triad 1000,2000	ETJ
	Triad TCU II	EKE
	Triad TLU II	EJV
Design Vision	Profile Cordless, Model 100	13165
	Dual Lite 2000, 3000	BHB
Dextra	Star II	ESX
Dolan Jenner	Fiber Lite 170D, 170, 176	EJV
Efos Inc (also Dentsply, LD Caulk)	35	13165
	3026	13165
	4076	150T4QCL25V
	3032	64440
	3021	64624
	4073	EHT
	4074	FDSDZE
	4075	FCS
	4080	EPV
	4081	FDT
	4084	ENZ
	Fiber Optic System	HBOR103W45
	3015	ETJ
	3028	ESD
	3036	ENL
	3024	ELZ
	3027	EKE
	3018	EJA
	3017	EJL
	3011	EJM
	3022	EJV
	3038	EHJ
	3040	EFM
	3035	EFN
	3020	EFP
	Ultra Cure 100	HBO100W2
	4079	JCD28V75WGB
4071	64151	
Ellmar	Conversion	EHT
Envision Imaging	Polaris Intra Oral	ESY
Espe	Elipar II	64617
Eurodent		FCS
Faro	Sunlight 70 Original	FCS
	S-90, Sunlight 70 Upgrade, Koolbeam	FDSDZE
	P287 Curing	64624
	P287 Polymer	13165
Fuji	Denta Cam II, 2, 5, 50, 100 Vision Plus	EFR
Fulton	Denta Cam Intra Oral	PE300BF
Healthco	Artistocrat OTP	12336
	VCL Illuminator Wand	ETJ
	Celebrity & Aristocrat Gun	64617
	Aristocrat II Gun	13165
	VCL Illuminator High Output	EFR
DE100, 200	F14T8D	

Dental

Manufacturer	Unit Model	Ordering Code
Health Science Pro	HSP Fiber Optic	EKE
Henry Schein	Economy VCL200	64617
	Maxima 250 Photo Curing	13165
	VCL 300	64624
	Star Brite, Crusader	FSDSDZE
Johnson & Johnson	Fotofill	EFN
Kavo America	Vicon LS II	EVA
	Vicon DLS, LS, Polar II, MW	ETJ
	Optica	EFP
Kerr	Command Light	EJM
Kinetic Intrument	Sunlite II	EJV OR EKE
	Sunspot & E	64624
Kulzer	Translux CL	64624
	EC, EX, Translux II, CL	EFR
Lares	Apollo High Speed Handpiece, 5, CS System	FDS
	Apollo CP	64617
	Quartz Fire SX	ETJ
Lasac Tech	LTI-5000	64617
LD Caulk (also Dentsply, Efos)	Max Lite, Prolite	13165
	Prisma Lite, PR1	EJL
	Prismetrics Lite	64624
	Spectrum, 200R	13298
Lester A Dine	Oral Scan	EJA
Litema	Arcus I	64600
	Arcus II	13298
	Pluraflex, HL 150	EFR
MDT	Rolux	EJL
	Rolux II	ENZ
Mega Physik	Dentalux Optimum 250, Optima 250	EHJ
	Cromalux 100, Degulux	64617
Megadenta	Megalux	64617
Micro Motors	LHS 710	EVA
Midwest	Oral Illuminator II & III	ELZ
	Insight 1, 2, Tradition	ETJ
	NSK Power Optic Hand	FDS
J. Morita	J Morita Light	FCS
Motloid	Compolite 660	64617
New Image Industries	Acucam	ETJ OR EFP
	Dental View	ESY
	Multi Cam	EFP
NSK	Omega 750	64617
	Optica FO Unit & Opticure	EFP
O'Ryan Industries	Nuo-Lite	64617
	Omega 110, 510	DNE
Orbident	Superdent 2500	64624
Panasonic	Monitor	EJV
	KS102	EFP

Manufacturer	Unit Model	Ordering Code
Patterson	TCL 390	64617
Pelton & Crane	LF1, LF2, LFTN Older Models 008045 008044 EXE & SP Spirit F/O Handpiece	150T4QCL25V 125T10P120V F8T5CW F13T5CW F14T12CW FDS
Pen-Med	300L, 310 GUN, 31L 200-L WAND 200L ORIGINAL	64617 EJV ESD
Phasealloy	Witelite Gun & 2500 Witelite Wand	64617 ESD
Plan Meca	Delight	FCS
Porter Daystar	S-90B	FSDSDZE
Pro Den Systems	Executor Polylite 500, 1000, 2000 Prolite DLS (Halogen) Prolite DLS (FLRS) Proscope 1000, 2000, 4000 Extraoral Pro-Lite II, III	64624 ESD ENL PLS9W10 64617 PLS9W10
Pro Dentec	Oral Video Scope Prism Pro Cam C1000	ETJ 64627HLX ENZ
Provision Imaging	Pro Vision Dis	ETJ
Rinn	67-1000/ 67-1020 Universal Viewboxes 67-0400/67-0440/67-6000/67-6020/ 67-8001	F6T5D F8T5D
Ritter	Dental lamp K141160	64151 FSDSDZE
Ritter (Cont.)	Starlight-J-14802 Super Starlight K	JCD28V75WGB FSDSDZE
Rolux	MDT II MDT	ENZ EJL
Satelec	Servilite	64607
Schultz Dental	Elcelux	64624
Sci Can (LZ)	Dual-Lux Curing Dual Lux 2 & 3 (Illum) Dual 2 (Curing) Dual Lux 3 (Curing) Dual Lux	EJA EKE ETJ EJA ETJ
Siemens	A1/E1 Sirona	FCS
Solid State Systems	Initiator	EFR
Sony	20/20 Carry Cam	EJA
Spring Health	Powerlite 75, 100	64617
SS White	Profile VCL, VCS	64624
Star Dental	Starflite Mini Viewer Endo Viewer, TR1130, TR130 DE 94, 98, 100, 120, 150, 160, 200, SW100 Coloright 430SWL	DNF F6T5D F8T5D F14T8D ESD

Dental

Manufacturer	Unit Model	Ordering Code
Star X-Ray	Star Cure	PLS9W10
Sygnus Imaging	Stylus 240, 2000	EFN
Techlite	Techlite	64614
Teledyne	Getz Focus (UV Curing)	64624
3M	XL1500 Visilux I, II, XL3000, 25000, Ortholux	13298 64617
Troja Research	Ultraeye	EKE
Vicon	Polar II	ETJ
Vivadent	Helimat multi, H10 single, Vivadent Helimat B Single US Heliolux 2 Vivalux Cordless & 11 Cordless Heliolux Gt, DLX	EFR EJA 64617 64600 64617
Weber	Panavision SK900G, SK800, SK850 Starlight 100, SK100 Skylight SK81G	125T10P120V EPV FDT 12336
Weil Dental	Ecelux	64617

Imaging

X-Ray Light Box Fluorescent Tubes	Ordering Code	Watts
	F6T5CW	6 watt
	F8T54CW	8 watt
	F13T5CW	13 watt
	F14T12CW	14 watt
	F14T12D	14 watt
	F14T8CW	14 watt
	F14T8D	14 watt
	F15T8CW	15 watt
Collimator	BAK BBA BLC BLX BNF BRL (64610)(7027) BVR CAX CBX/CBS CDJ/CEL DDL DDP DXB DZE/FDS EHJ ELH ENH ESB (64250)(7388) ESM ESR EVA FCR (64625)(7023) FCS (64640) FDT	

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Manufacturer	Manufacturer Part #	Ordering Code
PROJECTORS		
American Optical/Reichert		
1215, 1217, 11082	11176	CAX
11800, 11820, 11825, 11805, 12060, 12065	11807	1096X
11803, 11075	11143	778
	11148	778
	11231	1493
	11100	CHY
Bulbtronics		
	Maxi Bulb	50T424DC
	Maxi Bulb Kit	BT MAXIBULB KIT
Bausch & Lomb		
71-37-01 Accuchart	71-71-37	7V35WPREFOCUS
	71-71-77	CAX
Acuity 100W	71-71-78	CDD
Acuity 50W	71-34-40	BZW
Burton		
5000		CAX
Marco		
6006	6014	CAX
CP600	6025	JC12V20W20HG1
Nikon		
NP3	88106	JC6V20WG4
	89500	7388
Topcon		
ACP5D, ACP6R, ACP6S, ACP7	42440-20030	JC12V30W20HG1
CP-5D	42425-31600	CAX
ACP4D, ACP1, CP3, CP4D	42409-30060	7V35WBA15D
SLIT LAMPS		
American Optical/Reichert		
Campbell 11575, 11580, Reichert 11665, 11666,	11581 Main	1468X
	11583 Fixation	50
12521, 12522	12533 Main	1468
Bausch & Lomb		
Thorpe	71-71-50 Main	25T8SCP6V
	71-71-25 Fixation	14
CSL1000	71-61-62	L26
OSL2000, PSL3000	71-61-86 12v Halogen	451201-Unit/450012 Bulb Halogen
Burton		
800, 850, 1000	L1000	3050F
Haag Streit		
Main	1080	64260
900, 900BQ, 360	900-930 Main	3050F
	900-1551 Fixation	1009P
Jena		
SL69	681.34	67273
SMXXCamera SL	681.42	67471
Kowa		
SL2	L3CB2A26	EFR
SL7	ASL7A26	64260
SL5	1030K1001	12V20W
Marco		
IIB, III, V, VG, IIBBR, IIBPhoto, VR, VPhoto	1008 Main	3050F
IV, GII, GIV, GXX	1045 Main	64260
IIB, III, V, VG, IIBR	1019 Main	1019SLITLAMP
IIB, III, IV, GII, GIV, GXX, V, VG	1009P Pin Fixation	1009P
IIB, III, IV, GII, GIV, GXX, V, VG	1009S Screw Fixation	1009S
Mentor		
G10, GH12, S10, SH12	22-4003 Main 6V	3050F
S10, G10, SH12, GH12	22-4010 Main 12V	451201-Unit/450012 Bulb Halogen

Manufacturer	Manufacturer Part #	Ordering Code
SLIT LAMPS (Cont.)		
Mentor (Cont.)		
G10, GH12, S10, SH12	22-4007 Fixation	ME224007
Neitz		
SLJ	L-09 Main	L9
SLJ, SLXC	L-13	41378
SLH1, SLH2	L-44	940750
Nikon		
CSI, ASI	78021	5761
CS1, Zoom Photo	78079 Main	78079
CS1, Zoom Photo	78069 Fixation	78069
FS2, FS3, CS2, NS1	79761 Main	64260
Reichert (See American Optical)		
Topcon		
SL3D, SL5D, SL6E, SL3E	40310-25600 Main Halogen	3050F
SL2D, SL1E, SL2E, SL4E, SL3E, SL7E, TRC45AN, TRCNW2	40340-20700 Main	4034020700
SL2	40305-24400	77910
SL1, SL1A, SL1D	40300-25500 Main	4030025500
SL1D, SL3D	40310-60190 Pilot	7326
SL5D	40350-60034 Pilot	7354
SL2D, SL2E, SL3E, SL5E, SL6E, SL7E	40350-42110 Fixation	7628
Woodlyn		
	45070 Bulb	450012
	45070 Unit	451201
	545070	64610
Zeiss		
20SL	30-13-87 Main	64251
100/16, 125/16	39-01-53 Main	53Z
10SL	3801-20-7030	64222
30SL	3801-20-7040 Main	64260
LENSOMETERS		
American Optical/Reichert		
11210, 11360	11211	15S1187W120V
12603, 12610	12604	10S11N130V
	12603	15S1187120V
602, 603A, 603B	11163	10S11NCW130V
Bausch & Lomb		
70 Frost	21-65-18	25S115C120V
70 Clear	21-65-21	25S112C120V
Marco		
101	4007	25S11FRE17110
201	4008	15T7N120V
301, 710C	4014	77904
750C	4032	OP2121
LM770	4072	M34
Neitz		
LMP2	L-19	15S11102CF115
Nikon		
PL1	77904	77904
PL2	78079	78079
OL5	74990	15S11102CL
Topcon		
LMT3, T5, 2B, 3B, 3BC, 6, 6E	42025-51010	15S11102CF115V
LMP5, LMP6	42320-10550	76907
LMP3, LMP4	42409-30060	7V35WBA15D

Manufacturer	Manufacturer Part #	Ordering Code
OPHTHALMOMETERS & KERATOMETERS		
American Optical		
CLC	11002 11581	15T6130V 1468X
Bausch & Lomb/Reichert 12515, 12990, 71-21-35-01	71-71-84	15S1114120V
Haag Streit Javal Ophthalmometer	09500735A	09500735A
Marco Keratometer I, II Main Keratometer II Internal	3006 3007	3006 T412120V6W
Topcon OM3, OM4 OM1 OM2	40120-10080 40100-11530 42025-51010	4012010080 4010011530 15S11102CF115
INDIRECT OPHTHALMOSCOPES		
American Optical/Reichert		
11305, 11305H 11305R, 11305RH 13200	12047 Cord 12048 Well 11063 Binocular	12047 12048 1460
Bausch & Lomb 71-77-15-02	71-71-86 Binocular	1493
Frigitronics 10A001, 10B001	1493 Binocular	1493
Heine Microflex Microflex Focalux Alpha (Exam light) Hand Held Sigma 100 Omega 100, 150, 200	X-01-88.038 2.5v X-02-88.046 3.5v X-01-88.039 2.5v X-01-88.043 2.5v X-02-88.050 3.6v X-04-88.076 6v X-04-88.068 6v	X0188038 X0288046 X0188039 X0188043 X0288050 X0488076 X0488068
Keeler 1012P2197 1012P2197 1210P2058 1202P2113 1202P2332	1012P5006 Fision Binocular 1012P5014 Fision Binocular Halogen 1012P5022 Spectacle Binocular 1012P5102 New Spectacle Binocular 1012P5110 All Pupil Binocular	1012P5006 1012P5014 1012P5022 1012P5102 1012P5110
Mentor 227744, 227704 227900	22-7720 22-7900	1990(ERB) 227920
Neitz 10H 10 Alpha, TOTV	L41 L51	787 L51
Propper 199183, 199186 Binocular	199189 Binocular	X0488068
Topcon 19001, 19010 (ID5, ID10)	41500-30130 41560-80020	787 4156080020
DIRECT OPHTHALMOSCOPES		
American Optical/Reichert		
11400H 12004, 12005, 12039, 12040, 12040H 12004R, 12020, 12049, 12050H	11405 Fulvue 12047 Cord 12048	11405 12047 12048
Heine Alpha Mini	X.01.88.042 2.5v	X0188042

Manufacturer	Manufacturer Part #	Ordering Code
DIRECT OPHTHALMOSCOPES (Cont.)		
Heine (Cont.)		
AutoFoc	X-01-88.032 2.5v	X0188032
AutoFoc	X.02.88.047 3.5v	X0288047
Beta 200	X-01-88.069 2.5v	X0188069
Beta 200	X.02.88.070 3.5v	X0288070
Keeler		
Visa, Klein, Medic Lux	1011P5055	1011P5055
Practitioner, Specialist	1011P5223 2.8v	1011P5223
Practitioner, Specialist	1011P5055 3.5v	1011P5055
Pantoscope	1011P5004	1011P5004
Pocket	1011P5047	1011P5047
Neitz		
B12, Euthyscope, Super Mag C	L02	L02
BX13, BX13A, BX123, BX12345	L30	L30
Hand B13, B123, B12345	L1	SML1
Propper		
Superlume	199402(L38)	X0288046
Magnalume	199112(L16)	X0188034
Magnalume Old	199126(L19)	X0188061
Pocket Magnalume	198022(LM24)	X0188042
MM1	199404	X0288072
Autofoc	199548	X0288047
Shin-Nippon		
Main	HS366	366
Fixation	OP2114	76907
Welch Allyn		
11400, 11411, 11470, 11475	04400	04400
11600, 11605, 11610, 11710	03000	03000
11620, 11630, 11720, 11730, 11735	04900	04900
11100, 11150, 11200, 12800, 12810, 12820, 13010	03900	03900
110, 121, 10600, 17600, 17610	00900	00900
11400, 11470, 11411, 11475	04300	04400
11500, 11511	02100, 03300	03300
12900	02300	02300
PERIMETER		
Bausch & Lomb		
Auto-Plot	71-71-41	1489
	71-71-80	1507
Haag Streit		
940	940-750 Main	940750
940	510-0005, 940-0244 Chart	5100005
Marco		
Old Style	2007-8 Main	20078
New Style	2007-6 Main	41324
Topcon		
SBP11	43100-14800 Main	4310014800
SBP11	40101-20570 Chart	4010120570
SBP20	43108-12230 Chart	5006
SPB20	43108-18200 Main	4310818200
RADIUSCOPES		
American Optical		
Binocular, Monocular	11231	1493
Marco		
5005, Binocular, Monocular	5010	1493
Neitz		
CG	L-11	L11

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Manufacturer	Manufacturer Part #	Ordering Code
RETINOSCOPES		
American Optical		
FulVue Spot	11405	11405
FulVue Streak	11496	11496
220A, B, 260A, 261B, 290/D	12102	Call
Spot-non halogen	11426	Call
Bausch & Lomb		
Copeland Streak	71-71-55	717155
	71-75-62	00900
	71-71-78	CDD
Heine		
HFR2 Spot	X-02.88.046 3.5v	X0288046
HFR2	X-01.88.058 2.5v	X0188058
HSR2	X-02.88.048 3.5v	X0288048
Beta 200 Streak	X-02.88.089 3.5v	X0288089
Beta 200 Streak	X-01.88.087 2.5v	X0188087
Beta 200 Spot	X-02.88.090 3.5v	X0288090
Beta 200 Spot	X-01.88.088 2.5v	X0188088
Keeler		
Focusing Spot	1013-P5083	Call
V Type Streak	1013-P5104 2.8v	Call
V Type Streak	1013-P5112 3.5v	1013P5112
Focusing Spot	1013-P5091 3.5v	1013P5091
Vista Spot	1013-P5163 3.5v	1013P5163
Vista Streak	1013-P5198 3.5v	1013P5198
Neitz		
R1, RX1Streak	L4	L4
3R1SP, RX3SP Spot	L5	Call
3R1Streak	L15	Call
NR, NRRC, NRRP, RX2 Streak	L-27	Call
RXRC11, RXRP Streak	L-27	Call
NR3, NR3A, RX3, RX3A Streak	L-28	Call
Nikon		
Streak	88052	01900
Propper		
Streak Magnalume	199020 (LR30) 2.5v	X0188058
Streak Superlume	199028 (LR31) 3.5v	X0288048
Spot	199405 3.5v	X0288044
Stereo Optical		
Copeland 360 Halogen	360-H12 3.6v	360H12
Copeland 360 Standard	360-125 2.4v	360125
Welch Allyn		
17600, 17610 Spot	00900 2.5v	00900
17700	01800 2.5v	01800
17710 Streak	04600 2.5v	04600
18000	03000 2.5v	03000
18100 Streak	03700 3.5v	03700
18010 Spot	04500 3.5v	04500
18200 Streak	08200 3.5v	08200
18300 Spot	08300 3.5v	08300
TONOMETERS		
American Optical/Reichert		
NCT Target	12419	328
Kowa		
HA1	Main	1031K1193
Perkins		
MKI, MKII	5801006	5801006
FUNDUS/RETINAL CAMERAS		
Kowa		
FX50C, FX50R, Non Myd.2,	L15A26	64610

Manufacturer	Manufacturer Part #	Ordering Code
FUNDUS/RETINAL CAMERAS (Cont.)		
Kowa (Cont.)		
Non Myd.3, Pro1, RCXV, RCXV2	L15A26	64610
FX50R, Non Myd.2, Non Myd.3, Pro1, RCXV, RCXV2	L9FU3A Xenon	L9FU3A
Nikon		
NF505, NFC50, NFC60	78671 Main	64610
NFC60 Flash	78672 Xenon	78672
FS2 Flash	79750 Xenon	79750
NF505	88419 Xenon	88419
Topcon		
TRCFE, TRCJE, TRCME, TRCSS	40452-55020 Main	4045255020
TRCW, TRCNW2	40510-19000 Main	4051019000
TRC50V, TRC45AN, TRC50F	40524-19000 Main	4052419000
TRCFE, TRCSS	40452-55100 Xenon	4045255100
TRCJE	40420-55700 Xenon	4042055700
TRCW	40516/40507-55100 Xenon	4051555100
TRC50F, TRC50FT, TRC50V, TRC50VT	40524-18100 Xenon	4052418100
TRCNW3	40531-18800 Main	4053118800
TRCNW3	40531-18100 Xenon	4053118100
TRC50X	40535-40200 Main	4053540200
TRC50X	40535-40100 Xenon	4053540100
TRCFE, TRCJE, TRCNW2, TRCSS	40420-55270 Fixation	4042055270
TRC45N, TRC45AN	40340-20700 Focusing	4034020700
TRANSILLUMINATORS		
Heine		
Finoff	X-01.88.035 2.5v	X0188035
Finoff	X-02.88.078 3.5v	X2088078
Keeler		
	1015-P5116	1015P5116
Propper		
	199407(L13), (L17)	199407
Welch Allyn		
41000	00200	00200
41100, 43300	03100	03100
41110	03400	03400
MISCELLANEOUS EXAM & SURGICAL LAMPS		
American Optical		
14135 UV Overhead, 1228 Hand	11154	F4T5BLB
Haag Streit		
Lotmar Visometer Main	0900-0930	3050F
Heine		
Mini 2000F Alpha Oscopes	X-01.88.037	X0188037
Amnio Scope	X-02.88.044	X0288044
Marco		
Surgiscope	1037 Main	DNE
Mentor		
BAT	22-4506 Main	224506
PAM	22-4301 Main	224301
Nikon		
Auto Refractometer	79726	79726
Propper		
AutoFoc	199548	199548
Superlume	199121	199121
Welch Allyn		
46023	02500	02500
Strabismascope	03000	03000
Transilluminator	03100	03100

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Manufacturer	Manufacturer Part #	Ordering Code
BATTERIES		
American Optical		
FulVue	11429	CJB114
Astro	12034	CJB120
Heine		
Accubox	X-04.99.623	X0199623
Keeler		
	1919-P5020	1919P5020
Stereo Optical		
Copeland 360	CJB360 2.4V	CJB360
Copeland 360 Halogen	360H11 3-6v	CJB360H
Welch Allyn		
70700, 71500, 60700	72000	72000
617, 717	72100	72100
71670, 71000, 71020	72200	72200
72800	72600	72600
PENLITES		
Bulbtronics	Disposable 6 Pack	PenliteD
Welch Allyn		
76600	76600	76600
	07600 Bulb	07600

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Microscope

Microscope/Model	Manufacturer Part #	Ordering Code
American Optical		
50	611	15S11102CL
354, 359, 340A, 3411, 603, 653, K13602, 1810	360	1493
78, 385	386	25S115C120V
600	602	BMY
605, 610, 612, 614, 616, 1034, 1037	611	15S11102CL
615 Older Series, 40	621	15T7N120V
L150	624	64225
4046	626	15S1113120V
Pointer DN50, DN60, DN150, DN160, 1048	634	252
645	649	HBO200WL1 or L2
1000	1005	233
1039, Pointer 1049	1032	328
363, 364, 369, 579, 3000, 1036, 3060, K1567A, K1886, K1730, L10	1033	1460
H10, 1031, H110, 1130, 1820	1120	788
583	1121	778
1180, 1180E, 1183H	1182	EJY
1800 Micro Projector, Custom Project O Chart	11807	1096
H20, 2070H, 2071H	2052	7023
V20, 2070L, 2071M	2055	HBO50WL1 or L2
2505	2509	157
10406	10407	6S6DC120V
10408	10409	10S6230V
10450, 10460	10454	605
1130A		7388
Bausch & Lomb		
31-29-26, 31-33-44, 31-33-61, 31-31-66, 42-16-25, 42-44-41	31-31-03	F4T5D
31-33-82, 31-33-84, 31-27-69 thru 31-27-99	31-31-12	30021
31-33-86 thru 31-33-94, 31-32-12-01	31-31-15	15S11102CL
31-33-23	31-31-23	MIC1W45TS
31-29-46	31-31-24	14
74BWW Warm White	31-31-30	UFLFCB74LWW
74 DBL Daylight Blue	31-31-31	UFLFCB74LD
31-33-07, 31-33-20, 31-33-59, 31-33-69	31-31-37	1634
31-33-03	31-31-40	7C9W120V
31-33-40, 31-32-14, 31-99-23	31-31-42	1649
31-18-85, 31-18-93	31-31-50	328
31-30-50-01, 2, 3, 4, 5	31-31-52	EKE
31-36-05-01, 2	31-31-57	313157W45
31-32-57	31-31-58	FDT
31-32-56	31-31-65	HBO50WL2
31-70-01	31-31-71-03, 05	BLC
31-33-05	31-31-75, 76	1460X
31-33-04, 31-33-33, 31-33-34, 31-33-35, 31-33-39, 31-99-25	31-31-77-01/31-31-77-01-10	787
31-33-32, 31-34-64, 42-20-61, 42-31-32, 42-31-42, 42-31-52	31-31-79, 33-33-85	1630
31-33-96, 31-27-12, 31-27-65, 31-32-42, 31-32-15,		
31-33-60, 31-34-28, 31-32-16, 31-32-18	31-31-81-01, 31-31-81	778
31-33-41, 31-33-53, 31-33-56, 31-34-27, 31-32-13	31-31-85/31-31-86	1631X
31-33-24, 31-33-74	31-31-87	BLK
31-74-24, Galen II Tungsten	31-74-28	78508
31-74-26, 31-74-27 Galen II Halogen	31-74-29	778
Spectronic 21DV, 21MV, 21UV	33-33-07	333307
Stereo Zoom 2000, academic	31-31-25	13528
	33-51-24	790
42-63-59, 42-63-60 Tri Simplex	42-42-86	BEY
Fossomatic		
215		XBO75W2
360		64440
Foton		
	UXL451	XBO450W
Jena (Narva)		
All Jena 6V/15W Microscopes, Amplival, Ergaval, Peraval, Epignost, Technival & Citoval	681.34, 67271	67273
Laboval 3, Jenatech	105.817, 55125	55125
Laboval 4	55131, 105.817	64250HLX
Epival INKO, Surgery 212, I212, 110/120, 150, 160, 210, 211, 310, 320, 330, 111, 113, 121	688.00, 55133	688
Epival, Vertival, Metaval, Docuval, D-Illumination	688.05, 55205	68805
Flouval 2, Jenalumar FL	688.09	HBO200W2L1
Laboval 2AFL	682.50	HBO50WL1

Microscope/Model	Manufacturer Part #	Ordering Code
Jena (Narva) (Cont.)		
Laboval 2AFL	682.51	HBO50W3
Pictoal	682.52	XBO150W1
Plastival	683.79	64610HLX
DL2 Plack Viewer	682.92, 55301	7023
Amplival, Amplival POL D&U, Ergaval, Technival 2, Citoval 2, Jenamed, Jenaval, Jenalumar, Peraval, INKO, Jenatech, GSZ, GSM, Jenapol D&U, Sedival, Televal 3, Epignost 21 HD	105.859, 55147	105859
Surgery 110F, 150F	SI64627, EFP	EFP
Laboval (Old Style)	681.16	GSL310
Laboval 2, Maxial Illuminator, Eduval	688.61, TGL10619	68861
Amplival Pol U (Incident), Epival INKO, NV2, JenaTech (Incident), Jenavert BF/DF	688.01, 55305 105.908, 55307	68101 68101
Laboval 2 Dual View, Stereo, Slide Viewer, Jenamed Dual View	681.98	68198
Leitz		
Heating Scope, Panphot, OrthoplanMM5, Metalux, Lamp House 100, UWM1, 2, 3, MM6	500-010	DFBT348
Simplex, Old UWM, KM150, Monla, Ortholux, Dual Illuminator	500-011	8100
LH100Z, LH102Z	500-137	HBO50WL1 or L2
LH100Z, LH102Z	500-138	HBO100W2
LH100Z, LH102Z	500-139	XBO75W2
Ophthalmic, Diavert, Dialux, Ultropak, HDLUX, Comp. Microscope	500-177	177L
LH50, Ortholux2, Epivert, Comp. Microscope	500-182	64610HLX
Linnick	500-186	NA10
Laborlux12, Dialux20, Vario, Orthomat, SMLUXHL, Laborlux 12HLME	500-245	778
LH100, Biopromar, Orthoplan, LH100Z, Dialux20, LH102Z	500-974	7023
UWM 1, Vert III, Heating Scope, Miniload, UWM, Vert Gauge, Autocollimator, JIG Bore Microscope	500-979	500979
Stereo Twin III Galvanotometer (Heat. Micro)	580-603	TL4W33
Promar OM20, Prado Universal, Pradovit 250, Mask Comparator, PP600	590-910	EHJ
Nephelometer, DF Interference	620-071	8025
LH250DC	050-610	HBO200WL1 or L2
LH500, LH250AC	050-615	HBO200W4L1
LH250DC	050-620	HBO200W2L1
Photrometer No. 1	094-502	1133
Photometers 760118999, 70017600, 19000-up	094-524, 094-528, 094-529	1763
Reprovit Pradix	098-588	BEH
Diascriptor 4	098-724	FAD
M8	166-324	8018
M20	177-160	70249B
	193-049	7023
LH250, LH500	500-008	XBO150W1
UWM3X8, Laborlux NANAW, Dialux, MPA5, Simplex, Multipurpose, Dilatometer, Nadal	500-012	8018
HMLUX, Microdia SM, Ultrapak	500-013	GSL306
LH250AC	500-016	HBO200WL1 or L2
XICMM6, MM5, LH500 Microprojector, Telepromar 500	500-031	XBO450WOFR
SMPOL, SMM, MPV, HMLUX3, HMR*, Ellipsoidal	500-073	1855
Monochromator	610-025	8001
SMLUX, TL Lamp	500-096	5001
Nikon		
Multiviewing, Dual View	79186	79186
Stereo Illum Model 2	76907	76907
6C2, V16C, V12, V20A, V24B, V20	71826	FCS
V10, Diaphot, Epiphot, M22 Epi, TM20 Dia & Epi, UM3, Optiphot, 88 Epi/Dia, Optiphot, M, 66, 88 Epi, Optiphot Pol, Optistation Epi, SCB/D6 QH, SMZU Dark/Bright, Universal Epi	76516	64610HLX
Alphaphot KT2, KT, Labophot, M Epi, (Old 20W) Optiphot, Measurescope MM-11 (20W Epi & Dia), Measurescope TM1, TM2 Epi, Optiphot 66 Dia, SMZ10 Coaxial, SMZ10 Dia, SMZU Coaxial & Epi, SMZ1, 2 Vert, TMS	79099	7388
Stereo Illuminator, SU, 1EPI, Autocollimator, 6D, 6B	76906	8018
SKT, POH3	77903	77903
SKE, LKE, MS, Apophot Tungsten, Multiphot, M Inverted, Diascopic, Univ Illum, FL200 Tungsten, VM8	77904	EI738
Epi Model 2, Diff R, M & Ms, EpiPOH, EpiTM, Epi B, TM2 Shadow, SU115V, 3A Shadow & 3C Shadow/Surface, 2A Shadow, 3 Shadow	77910 71256	77910 71256
2A, 3, 3A Suface, 6C Shadow/Surface	71818	71818
Model 5A, 5B, V24 Surface	71500	71500

Microscope/Model	Manufacturer Part #	Ordering Code
Nikon (Cont.)		
Teaching Head Illum, Dual View	79098	328
SC	77458	77458
Aphophot Xenon Illum	76461	XBO150W1OFR
Micropan	78153	XBO450WOFR
Epi Fluorescence Optiphot & Labophot	78564	HBO50WL1 or L2
Epi Fluorescence Fluophot, Apophot, V20A	78580	HBO200W2L1
FL200, FT200	78590	HBO200WL1
Alphophot YS, SE2	78595	78595
Olympus		
LSF2	8S306	M14573W45OLLO
Photomax	8B101	8B101
LSK, LSKII, CHLSK	8B150	8B150
KHC, CHB, CHT, CHZ	8B152	BLC
VMILA	8B153	8B153
AH2RFL, AFL/ARFL, A1FLM	8B190	HBO200W2L1
BHDO, MDO, LDO	8G102	8G102
OME	8S101	8S101
DO, STM4	8G101	8G101
BHRFL, BH2RFL, IMT2RFL	8B192	HBO100W2
BHLSF	8B193	HBO50W3
AH2LSRFTH	8B194	SN250505
UNIV Lamphouse AH2	8B195	XBO150WCR
AH, E, F, PME, LSD, LSE, MTX	8C101	EI738
BHA, BHB, IMT, LK04	8C102	8C102
VMLSG, BHMJ, STM, BHC, BHM	8C103	8C103
SZ, TMLSG2, LSP,	8C201	8C201
BLSH3, ALSH3, BHRFL, PMELSM	8C401	FCR
BHMLSH2, BH2MLSH, SZHILLD	8C402	64440
BHT, BHTU, VMILA2, CHS,		
SZHILLB, SZHILLK, SZHILLC, CK2	8C405	7388
BHS, AHS, AHT, AHMT, PMG3	8C406	EVA
IMT2	8C407	64610HLX
SZHLSGA	8C408	13528
CK, LSM, MG, STM, LSN, LSP, PMEDL	8M102	8M102
STM4, MI	8M103	8M103
Transillum Base SZIII, XTR	8S250	8S250
LSF Old Design	8S203	MIC1W45TS
LSF Old Design UV	8S303	M14573FUV36LO
LSF New Design	8S304	M14572W45OLLO
LSF2	8S306	M14573W45OLLO
VMZ500, SS105	8S307	7388
OME, OCS, OCS2	8S401	EFR
LSM3, AH2	88002	XBO150W1OFR
BMAX, BX40, IXILL30, ULS30, ULS303	8C410	5761
Sunnex		
High Intensity Unit		64425
Swift		
M100 Series, EPI Illum	MA100	MA100
M20T Series	MA21	MA21
SSL10E, SSL10, SSL10C, M240, M250, M2240, M950, M960, MA25	MA2201	MA2201
SL8, SL24	MA584	MA584
M2247B, M459B, CIBM, CYVR, M960, M3200,		
M1001, M1001D, M970, M3301D	MA722/MA722A	MA722A
M8OBH Incident Illum	MA723	MA723
M8OB Stand	MA724	MA724
M80BH Blue Transmitted	MA726	MA726
Y2	MA736	MA736
Y3	MA737	MA737
Y4	MA738	MA738
SL23, M1004, M1005, CYHR5, M1002	MA760	1460
Y3H, M4002D, 3D, 4D, 5D, MA759Y, M1002D, M1004D, M1005D, M3300D	MA780	778
M8802B Incident Illum. Stand	MA8816	MA8816
Fluoromaster	MA885	HBO200W4L1
M400, CIB, CIBM, M3200	MA886	MA886
MA985D Duo Master	MA986	MA986
M20 Series, Duo Master	MA987	6V6WE10

Microscope/Model	Manufacturer Part #	Ordering Code
Unitron		
Various	15745	EL1B
MMA, MMU, MSFNTO, MEC	15746	EL2
(B)TMS, (B)TMD, MLU(A), BMLU, (B)MIC, BR(B)MIC, MPH, MPHBP, BPHN, TPHN, DMR, RMM, MCTL, MEC	15747	EL2B
TMOL, MLU(A), BMLU, MK(A), MKDA	15748	EL3B
Vert Illum Series UFM	15750	EL25C
UFMQR High Intensity Illum Series UFM	15752	EVA
BMEC, ME, GM, DMR, RMM	15753	EL12B
(B)MKK, MK	15754	EL30
LS, LT Spotlight Illum	15756	1003
LLV High Intensity Substage Illum	15758	15758
LKR Koehler Research Illum	15759	OP2205
(B)NX11, (B)UX11, Metallograph	15761	XBO150W10FR
Versamet Metallograph, Unimet MR1, MR2, MR3	15777	FCS
Unimet Ser. MR4 Inverted Metal, LAB3	15828	778
High Intensity Ring Illuminator	15887	15887
CP6 Comparison Proj, Comp Micro, Fiber Optic Power Supply	16034	EJA
Wild		
WI13806	WI384643	HLX4643
M5A, M3 M7, M8		9206
M40	177160	70249B
M695		D2S
Zeiss Types		
	310198	EFR
	3800181730	76Z
	3800181740	77Z
	3800181830	GSL306
	3800182520	DFBT348
	3800182600	8032
	3800182550	EFR
	3800184060	HBO100W2
	3800184070	HBO200W4L1
	3800299020	8017
	3800447390	UXL150S
	3800591660	FCR
	3800799190	XBO75W2
	3800799540	EVA
	3800751020	64626HLX
ENT SCOPE		
	3800799040	EFP
	300799/390172	72Z
	380177	77Z
	390153	53Z
	390158	58Z
	390186	86Z
Operation Scope 1, 2, 6, 9 EPI Techniscope		
	380158	58Z
	380176	76Z
	380179	8017
	380215	8032
	380116	DFBT348
	380416	GSL306
	381613	HBO100W2
	381615	HBO200WL2
	381617	XBO150W1
	381619	HBO50WL2
	391603	HBO200W2L1
	417053	EFR
	910050	HBO200W2L1
	910143	HB050W3
	910154	6605
	910219	SN250505

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2	PHMSR575 Mfg Part# MSR575/2, Mfg Product Code: 245282, Mfg: PHILIPS, Trade Name: MSR	<input type="text"/>	1	\$\$	<input type="text" value="1"/>	<input type="text" value="\$"/>	<input type="checkbox"/>
1	OSEKE Mfg Part# EKE, Mfg: OSRAM SYLVANIA, Volts: 21V, Watts: 150W	<input type="text"/>	1	\$\$	<input type="text" value="1"/>	<input type="text" value="\$"/>	<input type="checkbox"/>

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Ultraviolet



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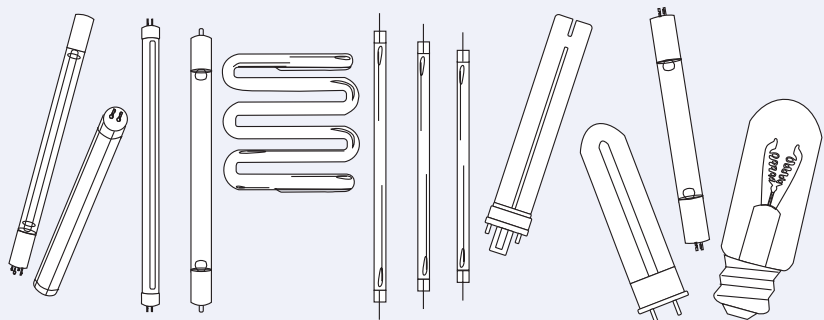
THE INTERNET

Ultraviolet

Type#	Base	Bulb	Length (mm/in)	Approximate Operating		Nominal Lamp Watts	Total Watts UV	Rated Average Life (hrs)
				AMPS	VOLTS			
UV 253.7 NM Nominal								
G4T5	Mini Bi-Pin (G5)	T-5	152/6	0.162	30.0	4	0.50	6000
G6T5	Mini Bi-Pin (G5)	T-5	229/9	0.147	46.0	6	1.00	6000
G8T5	Mini Bi-Pin (G5)	T-5	305/12	0.170	58.0	8	1.85	6000
G10T8	Med. Bi-Pin (G13)	T-8	343/13.5	0.230	48.0	10	1.85	6000
G15T8	Med. Bi-Pin (G13)	T-8	457/18	0.300	56.0	15	3.50	8000
G20T10	Med. Bi-Pin (G13)	T-10	580/22.8	0.360	59.0	20	4.20	8000
G25T8	Med. Bi-Pin (G13)	T-8	457/18	0.600	50.0	25	4.50	8000
G30T8	Med. Bi-Pin (G13)	T-8	914/36	0.355	103.0	30	10.00	8000
G40T10	Med. Bi-Pin (G13)	T-10	1216/48	0.415	113.0	40	11.50	8000
GTL3	E17	T-7	63/2.48	0.300	10.5	3	0.18	2000
G4T41	4 Pin	U-Shaped	146/5.75	0.900	55.0	4	0.70	3000
PL-S 9WTUV	G23 - 2 Pin	PLS	168/6.6	0.170	60.0	9	2.10	8000
PLL18WTUV	2G11 - 4 Pin	PLL	227/9	0.370	60.0	18	5.50	8000
PLL36WTUV	2G11 - 4 Pin	PLL	417/16.43	0.440	105.0	36	12.00	8000

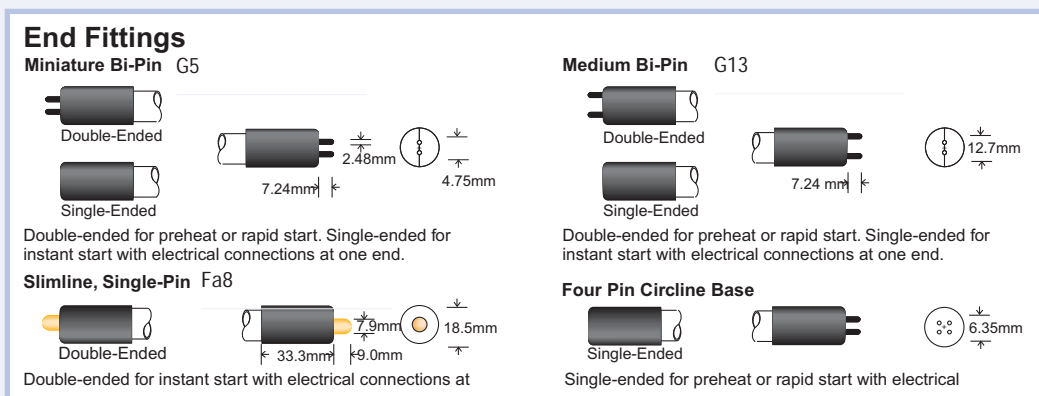
Type#	Base Face inches (4)	Length mm (4)	Arc Length (inches)	Life Hours (5)	Lamp Watts W(1)	Lamp Current mA	Lamp Voltage V	254nm Watts (2)	UV Output (3)	Ozone Generated gr/hr
Instant Start Lamps (Single-Pin Base) - Fa8										
G10T5L	14.0	356.6	10.9	9000	16	400	55	5.3	55	0.0
G10T5H	14.0	356.6	10.9	9000	16	400	55	5.3	55	0.03
G10T5VH	14.0	356.6	10.9	9000	16	400	55	5.3	55	0.18
G36T6L	33.2	842.4	30.0	9000	39	425	120	13.8	120	0.0
G36T6H	33.2	842.4	30.0	9000	39	425	120	13.8	120	0.5
G36T6VH	33.2	842.4	30.0	9000	39	425	120	13.8	120	14.0
G37T6VH	34.2	867.8	31.0	9000	40	425	120	14.3	130	15.0
G64T5L	61.2	1553.6	58.0	9000	65	425	220	25.0	200	0.0
G64T5VH	61.2	1553.6	58.0	9000	65	425	220	25.0	200	29.0
G67T5L	64.2	1629.8	61.0	9000	79	425	238	25.6	205	
G67T5VH	64.2	1629.8	61.0	9000	79	425	238	25.6	205	
GSL692T5L	27.3	692.0	24.1	9000	32	425	94	11.0	95	

- 1) Output wattage is specified for output in the nominal UV wavelength for the entire luminous surface of the lamp.
- 2) Microwatts per square centimeter at nominal UV wavelength at a distance of 1 meter from the luminous surface of the lamp at 100 hours of use.
- 3) Measurement may vary depending on applications and surrounding conditions.
- 4) Base face length does not include contact pins. To obtain length with standard lamp holders, add 2.8 inches base face length. Length tolerances are within 3mm of nominal length.
- 5) Rated average useful life is defined as the average time a set of lamps under continuous test conditions operate and maintain 60% of the average UV output.



CAUTION: Always observe safety precautions when utilizing ultraviolet light sources.

Type#	Base Face Length inches (6)	mm (6)	Arc Length (inches)	Lamp Watts W(1)	Lamp Current mA	Lamp Voltage V	254nm Watts (2)	UV Output (3)	Average Life (7)
Cold-Cathode Lamps (Single-Pin Base) Fa8									
782L10	14.0	356.7	8.7	15	90	180	2.8	22	17500
782H10	14.0	356.7	8.7	15	90	180	2.8	22	17500
782VH10	14.0	356.7	8.7	15	90	180	2.8	22	17500
782L20	24.0	610.7	18.7	22	90	270	5.5	45	17500
782H20	24.0	610.7	18.7	22	90	270	5.5	45	17500
782VH20	24.0	610.7	18.7	22	90	270	5.5	45	17500
782L30	34.0	864.7	28.7	28	90	350	8.3	63	17500
782H30	34.0	864.7	28.7	28	90	350	8.3	63	17500
782VH30	34.0	864.7	28.7	28	90	350	8.3	63	17500
Preheat-Start Lamps (Miniature Bi-Pin Base) G5									
GPH212T5L	8.4	212.0	5.2	10	400	32	2.6	23.0	9000
GPH287T5L	11.3	287.0	8.1	14	400	42	3.0	33.0	9000
GPH287T5VH	11.3	287.0	8.1	14	400	42	3.0	33.0	9000
U-Lamp (Preheat Start) (Miniature Bi-Pin Base) G5									
GPHU22-10T5-12L	7.3	186.0	10.9	16	400	55	5.3	55	9000
GPHU22-36T6L	16.9	429.0	30.0	39	425	120	13.8	120	9000
GPHU22-390T5VH	15.4	390.0	27.5	36	425	100	12.0	105	9000
GPHU76-10T5-1/2VH	6.7	169.0	10.9	16	400	55	5.3	55	9000
GPHU76-36T6VH	16.2	412.0	30.0	39	425	120	13.8	120	9000
GPHU76802T5VH	15.4	391.0	28.0	37	425	108	12.8	110	9000
U-Lamp (Instant Start) (Single-Pin Base) Fa8									
GSLU22-10T5-1/2L	7.3	186.0	10.9	16	400	55	5.3	55	9000
GSLU22-36T6L	16.9	429.0	30.0	39	425	120	13.8	120	9000
GSLU22-390T5VH	15.4	390.0	27.5	36	425	100	12.0	105	9000
GPHU76-10T5-1/2VH	6.7	169.0	10.9	16	400	55	5.3	55	9000
GPHU76-36T6VH	16.2	412.0	30.0	39	425	120	13.8	120	9000
GPHU76802T5VH	15.4	391.0	28.0	37	425	108	12.8	110	9000



(6) Nominal base face to base face dimensions are given for straight lamps. Length tolerance for bipin lamps with pin connections at both ends is +2.4 millimeters. Tolerance of slimline, cold cathode and all single-ended lamps is + 3.0mm. Nominal U-lamp length is base face to outside of bend with tolerance of + 6.4mm.

(7) Approximate output after 100 hours of use measured in still air at 77oF ambient and under specific test conditions. Subject to wide variations due to application conditions. Rated average useful life is defined as the elapsed operating time under essentially continuous operation for the output to decline to 60% of the out put the lamp had at 100 hours. Hot-cathode lamps have a rated average useful life of 9,000 hours; cold-cathode lamps have a rated average useful life of 17, 500 hours.

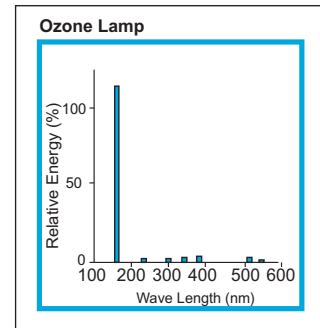
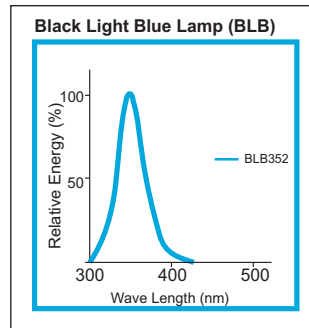
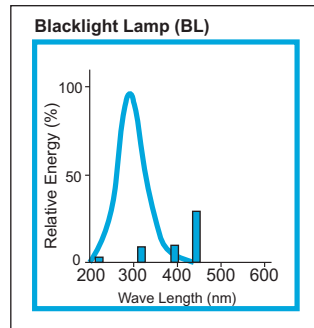
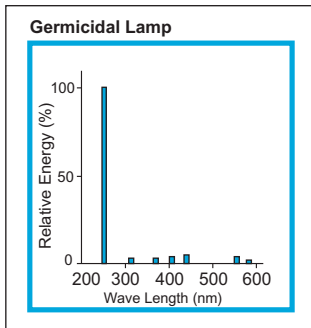
Ordering Code	Wattage (W)	Bulb	Tube Length (mm/in)	Tube Diameter (mm)	Lamp Current (A)	Ultraviolet Output Watts	Average Life (Hrs) (2)	Base
Black-Light Blue Lamp (BLB)								
F4T5BLB	4	T5	152/6	15.5	0.162	0.3	3000	Miniature Bi-Pin (G5)
F6T5BLB	6	T5	229/9	15.5	0.147	0.6	3000	Miniature Bi-Pin (G5)
F8T5BLB	8	T5	305/12	15.5	0.170	1.2	3000	Miniature Bi-Pin (G5)
F10T8BLB	10	T8	343/13.5	25.5	0.230	1.2	4000	Medium Bi-Pin (G13)
F15T8BLB	15	T8	457/18	25.5	0.300	2.5	4000	Medium Bi-Pin (G13)
F20T10BLB	20	T10	580/22.8	32.5	0.360	3.6	4000	Medium Bi-Pin (G13)
F20T12BLB	20	T12	610/24	38	0.380		9000	Medium Bi-Pin (G13)
F30T8BLB	30	T8	914/36	25.5	0.355	5.5	7500	Medium Bi-Pin (G13)
F40BLB	40	T12	1219/48	38	0.430		20000+	Medium Bi-Pin (G13)
PLS9W08	9	PL9	165/6.5	27	0.17	2.5	10000	(G23)

Effectively emit UV-rays between 315nm-400nm. The deep blue filter glass absorbs visible rays and transmits near UV-rays with radiation peaks at 352nm & 368nm.

Ordering Code	Wattage (W)	Bulb	Tube Length (mm/in)	Tube Diameter (mm)	Lamp Current (A)	Ultraviolet Output Watts	Average Life (Hrs) (2)	Base
Black Light Lamp (BL)								
F4T5BL	4	T5	152/6	15.5	0.162	0.25	3000	Miniature Bi-Pin (G5)
F6T5BL	6	T5	229/9	15.5	0.147	0.6	3000	Miniature Bi-Pin (G5)
F8T5BL	8	T5	305/12	15.5	0.170	0.8	3000	Miniature Bi-Pin (G5)
F15T8BL	15	T8	457/18	25.5	0.300	2.1	4000	Medium Bi-Pin (G13)
F20T10BL	20	T10	580/22.8	32.5	0.300	3.5	4000	Medium Bi-Pin (G13)
F20T1BL	20	T12	610/24	38	0.380		9000	Medium Bi-Pin (G13)
F30T8BL	30	T8	914/36	25.5	0.355	4.5	4000	Medium Bi-Pin (G13)
F40BL	40	T12	1219/48	38	0.430		20000	Medium Bi-Pin (G13)
PL9 W10BL	9	PL9	165/6.5	27	0.170	1.7	10000	(G23)

Effectively emit UV- rays between 315nm-400nm. Three types of phosphors are used with radiation peaks at 352nm, 368nm and 372nm.

Spectral Output



CAUTION: Always observe safety precautions when utilizing ultraviolet light sources.

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AGILENT/HEWLETT-PACKARD	(1040): 1040A DAD, 1040MVW	LH10
AGILENT/HEWLETT-PACKARD	(1080): 1080B; (1081): 1081B	D0802
AGILENT/HEWLETT-PACKARD	(1082): 1082B; (1084): 1084B	D0802
AGILENT/HEWLETT-PACKARD	(1050): 79853A VWD	P01
AGILENT/HEWLETT-PACKARD	(1050): 79853C VWD, 79854A MWD, G1306A DAD	P21
AGILENT/HEWLETT-PACKARD	(1090): 79880A DAD	P21
AGILENT/HEWLETT-PACKARD	(1090): 79881A FPD	P21
AGILENT/HEWLETT-PACKARD	(1100): G1314 VWD (1314A)	P17
AGILENT/HEWLETT-PACKARD	(1100): G1315A DAD, (CE): HP3DCE, G1365AMWD	P19
AGILENT/HEWLETT-PACKARD	(1100): (CE):HP3DCE	P19
AGILENT/HEWLETT-PACKARD	(1100): G1315A, (CE): HP3DCE Long Life	LH13X2
AGILENT/HEWLETT-PACKARD	HP1046 PFD Programmable Fluorescence Detector	FX963
AGILENT/HEWLETT-PACKARD	HP SPECTROPHOTOMETERS	
AGILENT/HEWLETT-PACKARD	8450, 8450A	G07
AGILENT/HEWLETT-PACKARD	8451A DAD	LH11
AGILENT/HEWLETT-PACKARD	8452A, 8452A (OPTION 2)	DO20405RTJ
AGILENT/HEWLETT-PACKARD	8452, 8452A NIR version	inquire
AGILENT/HEWLETT-PACKARD	8453 Long Life	LH13X2
AGILENT/HEWLETT-PACKARD	8453A, 8453E	LH15
AGILENT/HEWLETT-PACKARD	9492 DAD	inquire
APPLIED BIOSYS. (ABI)PE	120, 130, 120A, 130A, 230A, 773, 775	DS244TJ
APPLIED BIOSYS. (ABI)PE	FS970, FS980, 270AHT, 1000S DIODE ARRAY, 980 FLUORESCENCE	DS244TJ
APPLIED BIOSYS. (ABI)PE	SF757, 773, 783A, ADB7XX, SF759A, SF785A	DS244TJ
ALLTECH	200, 201 & 205	DS248TJ
ALTEX/BECKMAN	BECKMAN ALTEX HPLC'S	
ALTEX/BECKMAN	DETECTOR MODELS 150B & 153	L885
ALTEX/BECKMAN	DETECTOR MODEL 155	D0848
ALTEX/BECKMAN	DETECTOR MODEL163	D0901T
ALTEX/BECKMAN	DETECTOR MODELS 164, 165 & (DUAL)167	D753
ALTEX/BECKMAN	(VW) DETECTOR MODEL 166	LHA70 or LH70
ALTEX/BECKMAN	(VW) DETECTOR MODEL 168	LHA75 or LH75
ALTEX/BECKMAN	SYSTEM GOLD	D753
ALTEX/BECKMAN	P/ACE 2000, 5000 SERIES	inquire
AMINCO (SLM)	DW2, DW2/S, DW2A	D0902
AMINCO (SLM)	DW2C, DW/2000	D0946
AMINCO (SLM)	SLM 4800, 8000, 8100	XBO150W1 or OFR
AMINCO (SLM)	SPF500 C/FLUOR XENON	LX300UV
Applied Chrom. Sys.	LC750/11, LC750, LC750/11E, LC750/12	G16
B&L / MILTON ROY	Models: 21UVM, UVD, 200, 601, 700, 710, 1001, 1201, 2000, DE50	G05
B&L / MILTON ROY	3000DAD	Inquire
B&L / MILTON ROY	GENESYS 2, 5, UV	G31
B&L / MILTON ROY	SPECTRONIC 1001, 1201 VIS	L810
BARSPEC (all models)		D0946
BAS (Bio Anal Systems)	UV116A and 200	DS248TJ
BECKMAN SPEC'S.	DU, DU2, DK, DBG, DBGT, DB	D0946
BECKMAN SPEC'S.	DU5, 6, 7, 8, ACTA, CENTURY & 5200'S	D753
BECKMAN SPEC'S.	5230, 5240 & 5270 MODELS	inquire
BECKMAN SPEC'S.	MODELS 24, 25, 34, 35, DU40, DU50, EARLY 24, 25, 34, 35	D753
BECKMAN SPEC'S.	DU60, 62, 64, 65	D753J6
BECKMAN SPEC'S.	DU70	LH73
BECKMAN SPEC'S.	DU50, DU60 SERIES, DU70, 600 SERIES & 7000 TUNGSTEN	64258
BECKMAN SPEC'S.	DU7000, 7400, 7500 AND 600 SERIES UV	DS24605 J
BECKMAN SPEC'S.	DU7000 & 600 SERIES TUNGSTEN	64258
BECKMAN SPEC'S.	DU520, 530	D054305J

Manufacturer	Instruments	Ordering Code
BIO RAD	MODEL 1305, 1306	D0848
BIO RAD	MODEL 1503	D0902
BIO RAD	1790, BioDimension, HPE100, CE2000	DS248TJ
BIO RAD	BIFOCUS	LH41
BIO RAD	MODELS 206, 300	J54
BUCHLER	ALL MODELS	D0902
CAMAG	HPTLC SCANNER	G06
CAMAG	HPTLC SCANNER 2	G29
CARY - see Varian		
CECIL INSTRUMENTS	Series 1000, 1070, 2000, 3000, 5000, 6000, 7000, 8000, 9000	R18
CECIL INSTRUMENTS	Series 2 Models	R18
CECIL INSTRUMENTS	CE2012, 2112, 5095, 202, 212, 212A, 272, 292, 373, 393, 505, 515, 545, 588, 594, SERIES 1	D01 or D02
COLEMAN (PE)	MODEL 124	D0946
COLE-PALMER	MODEL 0195300	DS248TJ
DIONEX	DURRUM	D0802
DIONEX	MODELS 20001, CES1, CZE, VDM2	J10
DIONEX	VDM1, DSAI SPECTRAL ARRAY	D0248TJ
DUPONT	MODELS: 8800	L280
DUPONT	825	D0946
DUPONT	837	D0802
DUPONT	850	R38
DUPONT	852	R25
DUPONT	860, 862	R29
DUPONT	870	R15
DYNAMAX	UVCUSTOMER, UVD11, UVMisc	D0248TJ
EM SCIENCE (HITACHI)	ALL	D0946J
FISHER SCIENTIFIC	200344	DS248TJ
GBC	All AA Instruments	J07
GBC	MODELS: 906, 911	D0848
GBC	916, 918, 920	D0405J
GBC	LC1205, 1206, 1210	DS248TJ
GILFORD	200, 220, 223, 230, 240, 250, 260, 2000, 2400, 2500, 2600	D0802
GILFORD	ABOVE MODELS TUNGSTEN	L875
GILFORD	RESPONSE	D0946
GILSON	HOLOCHROME	D0902
GILSON	115, 116, 117	DS222J
GILSON	118, 119, 151, 152, 155, 156, 160DAD	DS273TJ
HACH	DR4000U	D0542J
HEWLETT-PACKARD/AGILENT	HP HPLC (SYSTEMS): DETECTORS	
HEWLETT-PACKARD/AGILENT	(1040): 1040A DAD, 1040MWW	LH10
HEWLETT-PACKARD/AGILENT	(1080): 1080B; (1081): 1081B	D0802
HEWLETT-PACKARD/AGILENT	(1082): 1082B; (1084): 1084B	D0802
HEWLETT-PACKARD/AGILENT	(1050): 79853A VWD	P01
HEWLETT-PACKARD/AGILENT	(1050): 79853C VWD, 79854A MWD, G1306A DAD	P21
HEWLETT-PACKARD/AGILENT	(1090): 79880A DAD	P21
HEWLETT-PACKARD/AGILENT	(1090): 79881A FPD	P21
HEWLETT-PACKARD/AGILENT	(1100): G1314 VWD (1314A)	P17

Manufacturer	Instruments	Ordering Code
HEWLETT-PACKARD/AGILENT	(1100): G1315A DAD, (CE): HP3DCE, G1365AMWD	P19
HEWLETT-PACKARD/AGILENT	(1100): (CE): HP3DCE	P19
HEWLETT-PACKARD/AGILENT	(1100): G1315A, (CE): HP3DCE Long Life	LH13X2
HEWLETT-PACKARD/AGILENT	HP1046 PFD Programmable Fluorescence Detector	FX963
HEWLETT-PACKARD/AGILENT	HP SPECTROPHOTOMETERS	
HEWLETT-PACKARD/AGILENT	8450, 8450A	G07
HEWLETT-PACKARD/AGILENT	8451A DAD	LH11
HEWLETT-PACKARD/AGILENT	8452A, 8452A (OPTION 2)	DO20405RTJ
HEWLETT-PACKARD/AGILENT	8452, 8452A NIR version	inquire
HEWLETT-PACKARD/AGILENT	8453 Long Life	LH13X2
HEWLETT-PACKARD/AGILENT	8453A, 8453E	LH15
HEWLETT-PACKARD/AGILENT	9492 DAD	inquire
HITACHI	SPECTROPHOTOMETERS	
HITACHI	10010, 20, 30, 40, 50, 60	DO946
HITACHI	10080, 181, 124, 191	DO946
HITACHI	181	R38
HITACHI	101, 102, 111	DO848
HITACHI	110, 10040 (SOME), 15020, 200, 300, 320, 330, 340, 556, 557, 655A22, 655A23	DO946J
HITACHI	HPLC DETECTORS	
HITACHI	L2000, L2500, L3000, L3100, L3200, L4200, L4250, L4720	DO651MJ
HITACHI	L7400, 7420, 7450A, L4000, L4500	DO651MJ
HITACHI	U1100, 1110, U2000, U2001, U2010, 3000, 3010, 3210, U3310, U3400, 3410, 3510, 4001	DO946J
HITACHI	U1100, U2000 TUNGSTEN	JC12V50W
HITACHI	F1000, 1080, 1200, 2000, 3000, 3010, F4000, 4010, 4500, F7400, F7480	XB0150W1
IBM	9400 SERIES	DO848
IBM	9500 SERIES, 9523, 9563	DO902
ICI	LC1200	DO946
ISCO	1800	A04A01
ISCO	1840, V4	inquire
ISCO	LINEAR UV/VIS 200, 203, 204, 205, 206	DS248TJ
INSTRUMENTS S.A.	JY201	DO303
JASCO	Uvidec 1, 2, 4, 100, 100II, 320, 340, 420, 430, 505, 510, 710	DO848
JASCO	Uvidec 4D	DO946
JASCO	870, 875	P01
JASCO	920, 970, 975A, 975B, 974, 975	inquire
JASCO	DIP181, MD910	inquire
JASCO	MULTI 320, 100III, 100IV, 100V, 100VI, 430, 610, 650	DO902
JASCO	FP770	UXL151HO
JASCO	FP820, 821, 920	UXL150S
JASCO	J500 FLUOROMETER and 720 FLUOROMETER	XB0450W4
JASCO	UV530	DO405J
JOBIN YVON	Monospec 103	DO902
JOYCE LOEBL	Chromoscan	DO902
JOYCE LOEBL	Scan 400	DO802
KNAUER	6100, 8100	DO902
KNAUER	2000, 2500, 2600	LH22
KNAUER	2000, 2500, 2600 TUNGSTEN	LH23
KNAUER	7100, D2540	LH21
KNAUER	8700, 9700, D871	LH20
KONTRON	HPLC DETECTORS (BIO-TEC)	
KONTRON	332, 432, 770	DO802
KONTRON	430, 433, 335, 332	DS22205

Manufacturer	Instruments	Ordering Code
KONTRON	440DAD	DO65205TJ
KONTRON	720, 720LC, 722, DE430, 810P	DO902
KONTRON	735LC	DO946
KONTRON	710, 715, 72013C, 740LC, 810, 820, 860	DO302
KONTRON	SPECTROPHOTOMETERS	
KONTRON	UVIKON 710, 720, 810, 810P, 820, 860	DO302
KONTRON	UVIKON 710, 720, 800, 820, 860 TUNGSTEN	inquire
KONTRON	UVIKON 722, 730, 735, 735LC	R19
KONTRON	UVIKON 725	DO946
KONTRON	UVIKON 922, 923, 930, 931, 932, 933	DO905TJ
KONTRON	UVIKON 941 PLUS, 942, 943	DO905TJ
KRATOS & PE-AB see ABI	SEE ABI	
LDC (MILTON ROY)	UVVIS DETECTORS	
LDC (MILTON ROY)	SPECTROMONITOR MODELS	
LDC (MILTON ROY)	SMI, SMII, SMIII, SM3100, SM3200, SM4100	DO901T
LDC (MILTON ROY)	SM3000, SM121, 1200, 1222	DO902T
LDC (MILTON ROY)	3100X, 4200	LH42
LDC (MILTON ROY)	SM5000	inquire
LDC (MILTON ROY)	SC100234, UV100411, UV150511	DS248TJ
LEAR SIEGLER	ALL MODELS	DO802
LINEAR	UV200, 203, 204, 205, 205PH, FOCUS	DS248TJ
LINEAR	FOCUS 2000 HIGH RESOLUTION	J54
LKB (BIOCHROME)	Ultraspec II & III, PLUS	R07
LKB PHARMACIA	2151	LH20
LKB PHARMACIA	ULTRASPECS: 1000E, 2000, 2158, 3000, 4000	inquire
LKB PHARMACIA	4050, 4051, 4054, TDS	R07
McPHERSON	701, 707, 785, 786	DO902
McPHERSON	632	V01
McPHERSON	FL750/A & B XENON	LH101
McPHERSON	FL750/A & B XENON/MERCURY	LH102
McPHERSON	FL750/A & B DEUTERIUM	LH100
MELOY LABS	SA70, SA700	Y02
MERCKE (HITACHI)	SEE HITACHI for all others	
MERCKE (HITACHI)	655A/22/ L3000, 4000, 4500, 4520	DO651MJ
MERCKE (HITACHI)	655A/22/ L3000, 4000, 4500, 4520 W/ TIMER	R53
MICROMERITICS	785, 786	DO902
MICROMERITICS	787, 788	DO848
MICHROM BIOSCIENCES	UV200	DS248TJ
NANOMETRICS	NAMOSPEC MODEL 4150	L7296
NICOLET	8745	L06
OPTICA	10	DO902
PE (HITACHI)	SYSTEMS 200, 320, 329, 330, 340, 556, & 557	DO946J
PE (HITACHI)	(Atomic Absorption Systems) MODEL 139	DO946
PERKIN ELMER	HPLC SYSTEMS	
PERKIN ELMER	LC90, LC290	LH94
PERKIN ELMER	LC45, 55, 55B, 65T, LC75, LC85, 85B, 95	R07
PERKIN ELMER	LC135, 135C, LC235, 235C	DO946
PERKIN ELMER	INTEGRAL 2000 & 4000	DO946
PERKIN ELMER	MODEL 200DAD	DS272TJ
PERKIN ELMER	LC240, LC250, LC295, 481	LH95
PERKIN ELMER	LC480 DIODE ARRAY	DO650TJ

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Manufacturer	Instruments	Ordering Code
PERKIN ELMER	SPECTROPHOTOMETERS	
PERKIN ELMER	M46, 55, 57	DO902
PERKIN ELMER	570, 571, 572, 575, 576	L200
PERKIN ELMER	55, 550, 551, 552, 552A, 553, 559, 559A	DO650TJ
PERKIN ELMER	200, 220, 320, 330, 340, 556, 557	DO946J
PERKIN ELMER	LAMBDA ARRAY 3840	R21
PERKIN ELMER	LAMBDA 1 and 3 (early models of 3), 3A	R38
PERKIN ELMER	LAMBDA 3, 3B, 5, 7, 9, 15, 17, 19	DO650TJ
PERKIN ELMER	LAMBDA 2, 10, 11, 12, 20, 25, 40	DO650TJ
PERKIN ELMER	LAMBDA 18, BIO, 19, 900	DO650TJ
PERKIN ELMER	LAMBDA 4, 6	LH93
PERKIN ELMER	LAMBDA 14 THRU 18, BIO	
PERKIN ELMER	LAMBDA 15, 17, 19, 20, 40, 900, 800	DO650TJ
PERKIN ELMER	ATOMIC ABS SPECTROS	
PERKIN ELMER	272, 280, 360, 370, 372, 373, 380, 450, 460, 560	R06
PERKIN ELMER	303, 304B, 305, 305A, 306, 402, 403, 480, 503, 555, 575, 603, 606, 703	inquire
PERKIN ELMER	2280, 2380, 280, 380, 3030, 4000, 5000, 5100 & ZEEMANS	R06
PERKIN ELMER	1100, 2100, 4100, 1100B	P16
PERKIN ELMER	400, 410, 420, 430	G20
PERKIN ELMER	55E, 575	R38
PERKIN ELMER	555	R30
PERKIN ELMER	FLUOROMETERS	
PERKIN ELMER	203, 204, 204A&S, 512, 512A, 650 SERIES	XB0150W1
PERKIN ELMER	MPF2A, 3, 4, 43, 43A, 44, 44A&B, LS1 & LS2 SERIES	XB0150W1
PERKIN ELMER	3000, LS3, 4, 5 SERIES	NL200
PERKIN ELMER	MPF44E & MPF66	inquire
PERCEPTIVE BIOSYS.	BIOCAD, SPRINT	DS248TJ
PHARMACIA / LKB	SEE LKB	
RAINEN / VARIAN	HPLC'S	
RAINEN / VARIAN	MODEL 87	LH20
RAINEN / VARIAN	FLUORESCENCE DETECTOR FL2	inquire
RAINEN / VARIAN	UV1, UV1A	inquire
RAINEN / VARIAN	UVC, UVDII, UVMULTI	DS248TJ
SAITRON	MONOSPEC B	DO802
SCHOEFFEL	MODEL 740	DO802
SECOMAN	ALL MODELS	DO302
SSI (SCI. SYS. INC.)	500, 504, 506	DS248TJ
SEVERN ANALYTICAL	UVVIS Spec.'s SA6500, 3, 5, 8	J53
SEVERN ANALYTICAL	HPLC SA6510	DS244TJ
SHIMADZU	SPECTROPHOTOMETERS	
SHIMADZU	D300L, UV200S	DO902
SHIMADZU	UV120, 1201, 12002, 14004, UV150, 15020, 160A, 160U, 240, UV250, U260, 265	DO405J
SHIMADZU	1604, 1200, 1201, 1240, UV1201PC, 1600, 1601, MPS2000, UV2100, 2501, 3000, 3100PC, 3501	DO405J
SHIMADZU	SERIES 160, 260, 265 TUNGSTEN	13079
SHIMADZU	UV2101, 2401, 3000, 2501, 3501 TUNGSTEN	inquire
SHIMADZU	CS930, 9000, UV365	DO405J
SHIMADZU	ATOMIC ABSORPTION	
SHIMADZU	AA625, 630, 640, 660, 670, 680U, 6501	DO405J
SHIMADZU	FLUOROMETERS	
SHIMADZU	RF10A, 535, 540, 551, 1501, 5000, 5301	XB0150 W1
SHIMADZU	RF551, RF10AXL, RF10A	XB0150WOFR
SHIMADZU	RF530	inquire
SHIMADZU	HPLC SYSTEMS	
SHIMADZU	SPD2A, 2AV, SPD6A, SPD6AV, SP4, SPD7A, SPD7AV	DO506

Manufacturer	Instruments	Ordering Code
SHIMADZU	LC4A, LC6A	DO506
SHIMADZU	SPD10A, SPD10AV, M10AVP, 10AVP	DS25005J
SHIMADZU	SPDM1A, M6A, 10AVVP	LH80
SHIMADZU	SPDM6A, SPDM10A, M10AV	LH81
SIGMA	MODEL ZWS11	DO902T
SIGNAL	NA3 ANALYZER	Y01
THERMO SEPRTN. PRODS.	CORPORATION REF'D TO AS (TSP)	
LDC OF (TSP)	ALL HPLC DETECTORS	
LDC OF (TSP)	SMI, SMII, SMIII, D, SM121, 1200, 1222, SM3000, SM3100, SM4000	DO901T
LDC OF (TSP)	SM3100X, SM4100	LH42
LDC OF (TSP)	SM3200, SM5000	inquire
LDC OF (TSP)	SC100234, UV100411, UV150511, 200, 203, 204, 206, FOCUS, LC871	DS248TJ
JARREL ASH (TSP)	ATOMIC ABSORPTION	
JARREL ASH (TSP)	BKG. CORRECTION LAMP, SH1000	inquire
SPCTRA PHYS OF (TSP)	SP770, SP970, SP8480XR, SP8773XR	DS244TJ
SPCTRA PHYS OF (TSP)	LC871	A04
SPCTRA PHYS OF (TSP)	SP8200	inquire
SPCTRA PHYS OF (TSP)	SP8400, SP8430, SP8440, SP8440XR, SP8450, SP8490, SP8480, SP8490	DO902T
SPCTRA PHYS OF (TSP)	CE500,1000, 2000, SC100, 200, SF100, SF200, SC100, SPECTRA 100, 200, UV100, 150, 200	DS248TJ
SPCTRA PHYS OF (TSP)	UV6000LP	inquire
SPCTRA PHYS OF (TSP)	SM5000 DIODE ARRAY	inquire
SPCTRA PHYS OF (TSP)	UV1000, 2000, 3000	DS248TJ
SPCTRA PHYS OF (TSP)	UV3000 & FOCUS DETECTORS	inquire
SPCTRA PHYS OF (TSP)	FOCUS 2000 HR, UV3000 HR	DS248TJ
SPCTRA PHYS OF (TSP)	SM3100, SM3200, SM4100	inquire
SPCTRA PHYS OF (TSP)	FLUORESCENCE DETECTOR 95510144	inquire
TRACOR	MODEL D970A	DO902
TURNER	330, 340, 350	DO902
UNICAM (PYE)	4020, 4025, LC/UV, LC3, SP500	A04
UNICAM (PYE)	4021	G18
UNICAM (PYE)	4110	A06
UNICAM (PYE)	4225	J08
UNICAM (PYE)	5600 SERIES, 8500, 8740, SP8150, 8200, 8400	L01
UNICAM (PYE)	9002	inquire
UNICAM (PYE)	SP700, 800, SP1700, 1750, 1800, 30UV, 7500, 8000, 8100, 8800, 8820	B01
UNICAM (PYE)	SP192, SP1960, SP6, SP6350, SP600, SP6400, SP6450, SP550	D01
UNICAM (PYE)	SP8150, 8200, 8400, SP8740	L01
UNICAM (PYE)	SP8620, 8625	L07
UNICAM (PYE)	SP8450, 8700, 8710, 8720, 8730, SP8745, 8750	L06
UNICAM (PYE)	MODELS: 9002, SOLARS, SP7500, UV2, 4	inquire
UNICAM (PYE)	HELIOS MODELS: Beta, Delta & Gamma	J53
VARIAN	AAS BACKGROUND CORRECTION LAMPS	
VARIAN	SPECTRA AMOUNT & X75	inquire
VARIAN	75 SERIES, 1275, 1475	DO946
VARIAN	MODELS 275, 400, 775, 875, 975, 3000	DO946
VARIAN	2050	DO848
VARIAN	2550	G03
VARIAN	SPECTROPHOTOMETERS	
VARIAN	CARY1, 2, 3, 14, 15, 16, 118, 17, 17D, 300, 219	R17
VARIAN	CARY210, early models of 219	inquire
VARIAN	CARY219, 118CX, 2200, 2300	DO902
VARIAN	ALL ABOVE MODELS TUNGSTEN	inquire
VARIAN	DMS70, 80, 90, 100S, 200, 300	J02

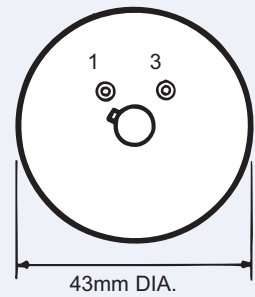
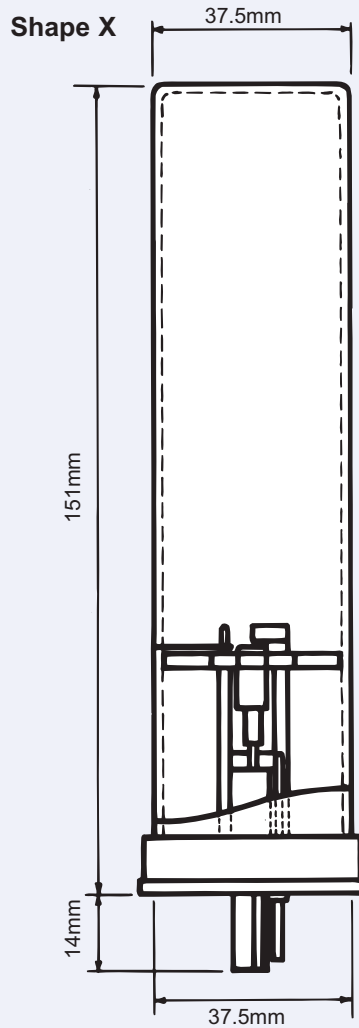
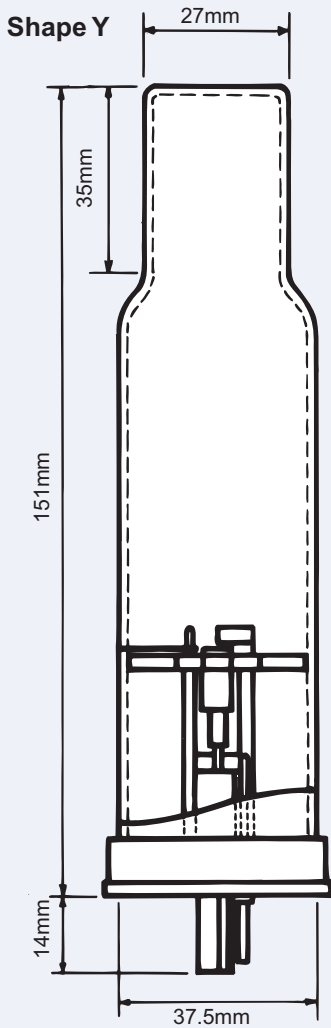
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Manufacturer	Instruments	Ordering Code
VARIAN	Spectra A10, 20, 30, 40	D0946
VARIAN	Spectra 100, 5000, UV5	inquire
VARIAN	UV10	D0902
VARIAN	UV50, 100, VARICHROME	G14
VARIAN	UV200, VISTA 5500	inquire
VARIAN	UV634, 635	D0946
VARIAN	HPLC SYSTEMS	
VARIAN	MODEL 1050, 2050	inquire
VARIAN	MODEL 2550	P01
VARIAN	2070, 9050, 9060, 9065, 9070	inquire
VARIAN	LC50	L305
WATERS	ALL HPLC DETECTORS	
WATERS	LAMBDA MAX	D0903T
WATERS	MODELS: 440/441 MERCURY	L820
WATERS	441, 445	inquire
WATERS	M450/455	LHA1 or LH1
WATERS	470, 474	XB0150W1
WATERS	490 S/N's UP TO 1000	inquire
WATERS	490E S/N's ABOVE 1000	FX963
WATERS	480, 481, 481AZ, 481LC, LAMBDA MAX	D0903T
WATERS	484	DS223TJ
WATERS	LC MODULE I, 486	DS61005RTJ
WATERS	990, 991, 994 & 994DAD	D065205TJ
WATERS	996DAD	DO24705TJ
WATERS	2487	LH36
WATERS	2487 LONG LIFE	LH36X2
ZEISS	PM2, PM4, DM4	H30DS
ZEISS	CLD300	DO54605TJ
ZEISS	PM6, PMQ1, PMQ3, M4Q3	H30DS
ZEISS	SPEKOL, SPECORD, S10, UVVIS, S5/UV, M500	DO249TJ

NOTES

1½" (37mm) Hollow Cathode Lamp

Outline Dimensions



OCTAL BASE
PIN 1 CATHODE
PIN 3 ANODE

1½" Hollow Cathode

Type Number Code

3 QNY/Fe

Size Window Filler Gas Shape Element

Size	3	-	37mm diameter
Window	Q	-	Quartz
	U	-	UV Glass
	B	-	Borosilicate
Filler Gas	A	-	Argon
	N	-	Neon
	X	-	(Wide Nose)
	Y	-	(Narrow Nose)
Element	-	-	Chemical Symbol

1 1/2" Hollow Cathode

SINGLE ELEMENT LAMPS			
Element	Type No.	Recommended Wavelength, nm	Alternative Wavelength, nm
Aluminum	3UNX/Al	309.3	394.4
Antimony	3QNY/Sb	217.6	231.1
Arsenic	3QNY/As	193.7	197.2
Barium	3BAX/Ba	553.5	350.1
Beryllium	3QNY/Be	234.9	
Bismuth	3QNY/Bi	223.1	306.8
Boron	3QNY/B	248.8	
Cadmium	3QNY/Cd	228.8	326.1
Caesium	3BNX/Cs	852.1	455.5
Calcium	3UNX/Ca	422.7	
Cerium	3UNX/Ce	520.0	569.7
Chromium	3UNX/Cr	357.9	429.0
Cobalt	3QNY/Co	240.7	304.4
Copper	3UNX/Cu	324.8	327.4
Deuterium	3QDY/D2	Continuum 170-380	
Dysprosium	3BNX/Dy	421.2	416.8
Erbium	3BNX/Er	400.8	408.8
Europium	3BAX/Eu	459.4	333.4
Gadolinium	3UNX/Gd	368.4	419.1
Gallium	3UNX/Ga	287.4	403.3
Germanium	3UNX/Ge	265.2	269.1
Gold	3QNY/Au	242.8	267.6
Hafnium	3UAX/Hf	307.3	295.1
Holmium	3BNX/Ho	410.4	417.3
Indium	3UNX/In	303.9	451.1
Iridium	3QNY/Ir	208.9	264.0
Iron	3QNY/Fe	248.3	372.0
Lanthanum	3UAX/La	550.1	418.7
Lead	3QNY/Pb	217.0	283.3
Lithium	3BAX/Li	670.8	323.3
Lutetium	3UAX/Lu	336.0	337.7
Magnesium	3QNY/Mg	285.2	202.6
Manganese	3UNX/Mn	279.5	403.0
Mercury	3UNX/Hg	253.6	
Molybdenum	3UNX/Mo	313.3	390.1
Neodymium	3BNX/Nd	492.5	490.2
Nickel	3QNY/Ni	232.0	305.1
Niobium	3UAX/Nb	334.4	358.0
Osmium	3UNX/Os	290.9	301.8
Palladium	3QNY/Pd	247.6	340.5
Phosphorus	3QNY/P	213.6	
Platinum	3UNX/Pt	265.9	299.8
Potassium	3BNX/K	766.5	404.4
Praseodymium	3BNX/Pr	495.1	492.5
Rhenium	3UAX/Re	346.1	345.2
Rhodium	3UAX/Rh	343.5	365.8
Rubidium	3BNX/Rb	780.0	794.8
Ruthenium	3UNX/Ru	349.9	392.6
Samarium	3UNX/Sm	429.7	476.0
Scandium	3UNX/Sc	391.2	408.2
Selenium	3QNY/Se	196.0	204.0
Silicon	3QNY/Si	251.6	250.7
Silver	3UAX/Ag	328.1	338.3
Sodium	3UNX/Na	589.0	330.3
Strontium	3BAX/Sr	460.7	
Tantalum	3UNX/Ta	271.5	277.6
Tellurium	3QNY/Te	214.3	225.9
Terbium	3BNX/Tb	432.7	431.9
Thallium	3UNX/Tl	276.8	377.6
Thorium	3UNX/Th	371.9	
Thulium	3UNX/Tm	371.8	375.2
Tin	3QNY/Sn	224.6	300.9
Titanium	3UNX/Ti	365.4	375.3

SINGLE ELEMENT LAMPS (CONTINUED)

Element	Type No.	Recommended Wavelength, nm	Alternative Wavelength, nm
Tungsten	3QNY/W	255.1	400.9
Uranium	3UAX/U	358.5	306.6
Vanadium	3UNX/V	318.5	385.6
Ytterbium	3UNX/Yb	398.8	246.4
Yttrium	3BNX/Y	410.2	362.1
Zinc	3QNY/Zn	213.9	307.6
Zirconium	3UNX/Zr	360.1	301.2

TWO ELEMENT LAMPS

Element	Type No.
Aluminum + Calcium	3QNY/Al/Ca
+ Magnesium	3QNY/Al/Mg
+ Silicon	3QNY/Al/Si
+ Titanium	3QNY/Al/Ti
Barium + Strontium	3QNY/Ba/Sr
Cadmium + Zinc	3QNY/Cd/Zn
Calcium + Barium	3QNY/Ca/Ba
+ Magnesium	3QNY/Ca/Mg
+ Silicon	3QNY/Ca/Si
+ Strontium	3QNY/Ca/Sr
+ Zinc	3QNY/Ca/Zn
Chromium + Cobalt	3QNY/Cr/Co
+ Copper	3QNY/Cr/Cu
+ Iron	3QNY/Cr/Fe
+ Manganese	3QNY/Cr/Mn
+ Molybdenum	3QNY/Cr/Mo
+ Nickel	3QNY/Cr/Ni
Cobalt + Copper	3QNY/Co/Cu
+ Iron	3QNY/Co/Fe
+ Manganese	3QNY/Co/Mn
+ Molybdenum	3QNY/Co/Mo
+ Nickel	3QNY/Co/Ni
Copper + Iron	3QNY/Cu/Fe
+ Manganese	3QNY/Cu/Mn
+ Molybdenum	3QNY/Cu/Mo
+ Nickel	3QNY/Cu/Ni
+ Zinc	3QNY/Cu/Zn
Gold + Copper	3QNY/Au/Cu
+ Nickel	3QNY/Au/Ni
+ Platinum	3QNY/Au/Pt
+ Silver	3QNY/Au/Ag
Iron + Manganese	3QNY/Fe/Mn
+ Molybdenum	3QNY/Fe/Mo
+ Nickel	3QNY/Fe/Ni
+ Zinc	3QNY/Fe/Zn
Magnesium + Silicon	3QNY/Mg/Si
Manganese + Molybdenum	3QNY/Mn/Mo
+ Nickel	3QNY/Mn/Ni
+ Zinc	3QNY/Mn/Zn
Platinum + Silver	3QNY/Pt/Ag
Silicon + Titanium	3QNY/Si/Cr
Silver + Chromium	3QNY/Ag/Cr
+ Copper	3QNY//Ag/Cu
Sodium + Potassium	3UNX/Na/K

1 1/2" Hollow Cathode

THREE ELEMENT LAMPS

Element				Type No.
Aluminum	+ Calcium	+ Magnesium		3QNY/Al/Ca/Mg
Aluminum	+ Silicon	+ Titanium		3QNY/Al/Si/Ti
Antimony	+ Arsenic	+ Bismuth		3QNY/Sb/As/Bi
Arsenic	+ Selenium	+ Tellurium		3QNY/As/Se/Te
Calcium	+ Barium	+ Strontium		3QNY/Ca/Ba/Sr
Calcium	+ Magnesium	+ Silicon		3QNY/Ca/Mg/Si
		+ Zinc		3QNY/Ca/Mg/Zn
Chromium	+ Cobalt	+ Copper		3QNY/Cr/Co/Cu
		+ Iron		3QNY/Cr/Co/Fe
		+ Manganese		3QNY/Cr/Co/Mn
		+ Nickel		3QNY/Cr/Co/Ni
Chromium	+ Copper	+ Iron		3QNY/Cr/Cu/Fe
		+ Manganese		3QNY/Cr/Cu/Mn
		+ Nickel		3QNY/Cr/Cu/Ni
Chromium	+ Iron	+ Manganese		3QNY/Cr/Fe/Mn
		+ Nickel		3QNY/Cr/Fe/Ni
Chromium	+ Manganese	+ Nickel		3QNY/Cr/Mn/Ni
Cobalt	+ Copper	+ Iron		3QNY/Co/Cu/Fe
		+ Manganese		3QNY/Co/Cu/Mn
		+ Nickel		3QNY/Co/Cu/Ni
Cobalt	+ Iron	+ Manganese		3QNY/Co/Fe/Mn
		+ Nickel		3QNY/Co/Fe/Ni
		+ Zinc		3QNY/Co/Fe/Zn
Copper	+ Manganese	+ Nickel		3QNY/Cu/Mn/Ni
		+ Zinc		3QNY/Cu/Mn/Zn
Gold	+ Copper	+ Nickel		3QNY/Au/Cu/Ni
Gold	+ Platinum	+ Silver		3QNY/Au/Pt/Ag
Iron	+ Manganese	+ Nickel		3QNY/Fe/Mn/Ni
		+ Zinc		3QNY/Fe/Mn/Zn
Molybdenum	+ Chromium	+ Cobalt		3QNY/Mo/Cr/Co
		+ Copper		3QNY/Mo/Cr/Cu
		+ Iron		3QNY/Mo/Cr/Fe
		+ Manganese		3QNY/Mo/Cr/Mn
Molybdenum	+ Cobalt	+ Copper		3QNY/Mo/Co/Cu
		+ Manganese		3QNY/Mo/Co/Mn
Molybdenum	+ Iron	+ Manganese		3QNY/Mo/Fe/Mn
Silver	+ Chromium	+ Copper		3QNY/Ag/Cr/Cu
Silver	+ Copper	+ Nickel		3QNY/Ag/Cu/Ni

FOUR ELEMENT LAMPS

Element				Type No.
Aluminum	+ Calcium	+ Iron	+ Magnesium	3QNY/Al/Ca/Fe/Mg
Aluminum	+ Calcium	+ Lithium	+ Magnesium	3QNY/Al/Ca/Li/Mg
Barium	+ Calcium	+ Magnesium	+ Strontium	3QNY/Ba/Ca/Mg/Sr
Chromium	+ Cobalt	+ Copper	+ Iron	3QNY/Cr/Co/Cu/Fe
			+ Manganese	3QNY/Cr/Co/Cu/Mn
			+ Nickel	3QNY/Cr/Co/Cu/Ni
		+ Iron	+ Manganese	3QNY/Cr/Co/Fe/Mn
			+ Nickel	3QNY/Cr/Co/Fe/Ni
		+ Manganese	+ Nickel	3QNY/Cr/Co/Mn/Ni
Chromium	+ Copper	+ Iron	+ Manganese	3QNY/Cr/Cu/Fe/Mn
			+ Nickel	3QNY/Cr/Cu/Fe/Ni
		+ Manganese	+ Nickel	3QNY/Cr/Cu/Mn/Ni
		+ Nickel	+ Silver	3QNY/Cr/Cu/Ni/Ag
Chromium	+ Iron	+ Manganese	+ Nickel	3QNY/Cr/Fe/Mn/Ni
Cobalt	+ Copper	+ Iron	+ Manganese	3QNY/Co/Cu/Fe/Ni
			+ Nickel	3QNY/Co/Cu/Fe/Ni
		+ Manganese	+ Nickel	3QNY/Co/Cu/Mn/Ni
Cobalt	+ Iron	+ Manganese	+ Nickel	3QNY/Co/Fe/Mn/Mn
Copper	+ Iron	+ Manganese	+ Nickel	3QNY/Cu/Fe/Mn/Ni
			+ Zinc	3QNY/Cu/Fe/Mn/Zn
Copper	+ Iron	+ Nickel	+ Silver	3QNY/Cu/Fe/Ni/Ag

FOUR ELEMENT LAMPS (CONTINUED)

Element	Type No.
Molybdenum + Cobalt + Copper + Iron	3QNY/Mo/Co/Cu/Fe
+ Manganese	3QNY/Mo/Co/Cu/Mn
+ Iron + Manganese	3QNY/Mo/Co/Fe/Mn
Molybdenum + Copper + Iron + Manganese	3QNY/Mo/Cu/Fe/Mn

FIVE ELEMENTS

Element	Type No.
Chromium + Cobalt + Copper + Iron + Manganese	3QNY/Cr/Co/Cu/Fe/Mn
+ Nickel	3QNY/Cr/Co/Cu/Fe/Ni
+ Manganese + Nickel	3QNY/Cr/Co/Cu/Mn/Ni
+ Iron + Manganese + Nickel	3QNY/Cr/Co/Fe/Mn/Ni
Chromium + Copper + Iron + Manganese + Nickel	3QNY/Cr/Cu/Fe/Mn/Ni
Chromium + Copper + Iron + Nickel + Silver	3QNY/Cr/Cu/Fe/Ni/Ag
Cobalt + Copper + Iron + Manganese + Molybdenum	3QNY/Co/Cu/Fe/Mn/Mo
+ Nickel	3QNY/Co/Cu/Fe/Mn/Ni

SIX ELEMENTS

Element	Type No.
Chromium + Cobalt + Copper + Iron + Manganese + Molybdenum	3QNY/Cr/Co/Cu/Fe/Mn/Mo
+ Nickel	3QNY/Cr/Co/Cu/Fe/Mn/Ni

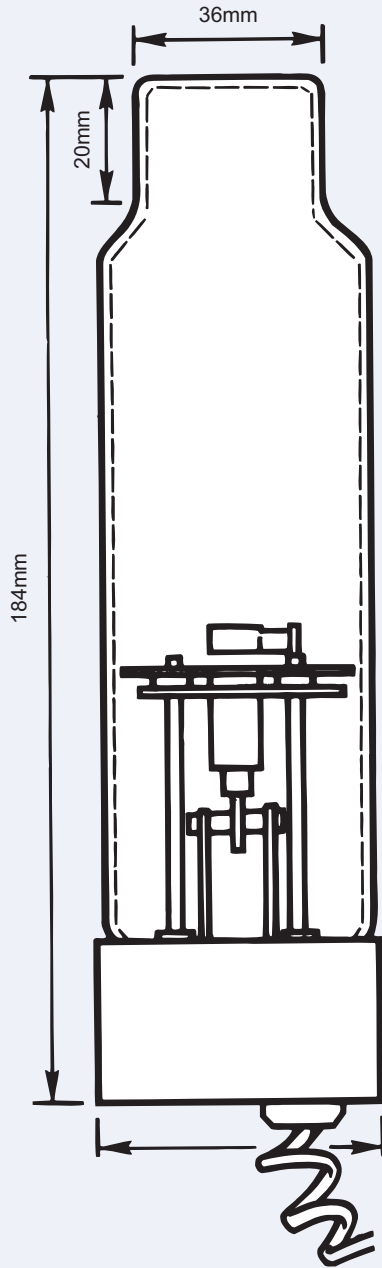
SEVEN ELEMENTS

Element	Type No.
Aluminium + Calcium + Copper + Iron + Magnesium + Silicon + Zinc	3QNY/Al/Ca/Cu/Fe/Mg/Si/Zn

Notes

2" (50mm) Hollow Cathode Lamp

Outline Dimensions



Type Number Code

5 QNY/Fe

Size Window Filler Gas Shape Element

Size	5	-	50mm diameter
Window	Q	-	Quartz
	U	-	UV Glass
	B	-	Borosilicate
Filler Gas	A	-	Argon
	N	-	Neon
Element	-	-	Chemical Symbol

SINGLE ELEMENT LAMPS			
Element	Type No.	Recommended Wavelength, nm	Alternative Wavelength, nm
Aluminum	5UN/Al	309.3	394.4
Antimony	5QN/Sb	217.6	231.1
Arsenic	5QN/As	193.7	197.2
Barium	5BA/Va	553.6	350.1
Beryllium	5QN/Be	234.9	-
Bismuth	5QN/Bi	223.1	306.8
Boron	5QN/B	249.8	-
Cadmium	5QN/Cd	228.8	326.1
Caesium	5BN/Cs	852.1	455.5
Calcium	5UN/Ca	422.7	-
Cerium	5UN/Ce	520.0	569.7
Chromium	5UN/Cr	357.9	429.0
Cobalt	5UN/Co	240.7	304.4
Copper	5UN/Cu	324.8	327.4
Dysprosium	5BN/Dy	421.2	416.8
Erbium	5BN/Er	400.8	408.8
Europium	5BA/Eu	459.4	333.4
Gadolinium	5UN/Gd	407.9	419.1
Gallium	5UN/Ga	287.4	403.3
Germanium	5UN/Ge	265.2	269.1
Gold	5QN/Au	242.8	267.6
Hafnium	5UA/Hf	307.3	295.1
Holmium	5BN/Ho	410.4	417.3
Indium	5UN/In	303.9	451.1
Iridium	5QN/Ir	264.0	208.9
Iron	5QN/Fe	248.3	372.0
Lanthanum	5UA/La	550.1	418.7
Lead	5QN/Pb	283.3	217.0
Lithium	5BA/Li	670.8	323.3
Lutetium	5UA/Lu	336.0	337.7
Magnesium	5QN/Mg	285.2	202.6
Manganese	5UN/Mn	279.5	403.0
Mercury	5UN/Hg	253.7	-
Molybdenum	5UN/Mo	313.3	390.1
Neodymium	5BN/Nd	492.5	490.2
Nickel	5QN/Ni	232.0	305.1
Niobium	5UA/Nb	334.4	358.0
Osmium	5UN/Os	290.9	301.8
Palladium	5QN/Pd	247.6	340.5
Phosphorus	5QN/P	213.6	-
Platinum	5UN/Pt	265.9	299.8
Potassium	5BN/K	766.5	404.4
Praseodymium	5BN/Pr	495.1	492.5
Rhenium	5UA/Re	346.1	345.2
Rhodium	5UA/Rh	343.5	365.8
Rubidium	5BN/Rb	780.0	794.8
Ruthenium	5UN/Ru	349.9	392.6
Samarium	5UN/Sm	429.7	476.0
Scandium	5UN/Sc	391.2	408.2
Selenium	5QN/Se	196.0	204.0
Silicon	5QN/Si	251.6	250.7
Silver	5UA/Ag	328.1	338.3
Sodium	5UN/Na	589.0	330.3
Strontium	5BA/Sr	460.7	-
Tantalum	5UN/Ta	271.5	277.6
Tellurium	5QN/Te	214.3	225.9
Terbium	5BN/Tb	432.7	431.9
Thallium	UN/Tl	276.8	377.6
Thorium	5UN/Th	371.9	-
Thulium	5UN/Tm	371.8	375.2
Tin	5QN/Sn	286.3	224.6
Titanium	5UN/Ti	365.4	375.3
Tungsten	5QN/W	255.1	400.9

SINGLE ELEMENT LAMPS (CONTINUED)

Element	Type No.	Recommended Wavelength, nm	Alternative Wavelength, nm
Uranium	5UA/U	356.7	351.5
Vanadium	5UN/V	318.5	306.6
Ytterbium	5UN/Yb	398.8	246.4
Yttrium	5BN/Y	410.2	362.1
Zinc	5QN/Zn	213.9	307.6
Zirconium	5UN/Zr	360.1	301.2

TWO ELEMENT LAMPS

Element	Type No.
Aluminum + Calcium	5QN/Al/Ca
+ Magnesium	5QN/Al/Mg
+ Silicon	5QN/Al/Si
+ Titanium	5QN/Al/Ti
Barium + Strontium	5QN/Ba/Sr
Cadmium + Zinc	5QN/Cd/Zn
Calcium + Barium	5QN/Ca/Ba
+ Magnesium	5QN/Ca/Mg
+ Silicon	5QN/Ca/Si
+ Strontium	5QN/Ca/Sr
+ Zinc	5QN/Ca/Zn
Chromium + Cobalt	5QN/Cr/Co
+ Copper	5QN/Cr/Cu
+ Iron	5QN/Cr/Fe
+ Manganese	5QN/Cr/Mn
+ Molybdenum	5QN/Cr/Mo
+ Nickel	5QN/Cr/Ni
Cobalt + Copper	5QN/Co/Cu
+ Iron	5QN/Co/Fe
+ Manganese	5QN/Co/Mn
+ Molybdenum	5QN/Co/Mo
+ Nickel	5QN/Co/Ni
Copper + Iron	5QN/Cu/Fe
+ Manganese	5QN/Cu/Mn
+ Molybdenum	5QN/Cu/Mo
+ Nickel	5QN/Cu/Ni
+ Zinc	5QN/Cu/Zn
Gold + Copper	5QN/Au/Cu
+ Nickel	5QN/Au/Ni
+ Platinum	5QN/Au/Pt
+ Silver	5QN/Au/Ag
Iron + Manganese	5QN/Fe/Mn
+ Molybdenum	5QN/Fe/Mo
+ Nickel	5QN/Fe/Ni
+ Zinc	5QN/Fe/Zn
Magnesium + Silicon	5QN/Mg/Si
Manganese + Molybdenum	5QN/Mn/Mo
+ Nickel	5QN/Mn/Ni
+ Zinc	5QN/Mn/Zn
Platinum + Silver	5QN/Pt/Ag
Silicon + Titanium	5QN/Si/Ti
Silver + Chromium	5QN/Ag/Cr
+ Copper	5QN/Ag/Cu
Sodium + Potassium	5UN/Na/K

THREE ELEMENT LAMPS

Element	Type No.
Aluminum + Calcium + Magnesium	5QN/Al/Ca/Mg
Aluminum + Silicon + Titanium	5QN/Al/Si/Ti
Antimony + Arsenic + Bismuth	5QN/Sb/As/Bi
Arsenic + Selenium + Tellurium	5QN/As/Se/Te
Calcium + Barium + Strontium	5QN/Ca/Ba/Sr
Calcium + Magnesium + Silicon	5QN/Ca/Mg/Si
	+ Zinc
Chromium + Cobalt + Copper	5QN/Cr/Co/Cu
	+ Iron
	+ Manganese
	+ Nickel
Chromium + Copper + Iron	5QN/Cr/Cu/Fe
	+ Manganese
	+ Nickel
Chromium + Iron + Manganese	5QN/Cr/Fe/Mn
	+ Nickel
Chromium + Manganese + Nickel	5QN/Cr/Mn/Ni
Cobalt + Copper + Iron	5QN/Co/Cu/Fe
	+ Manganese
	+ Nickel
Cobalt + Iron + Nickel	5QN/Co/Fe/Ni
	+ Manganese
Cobalt + Manganese + Nickel	5QN/Co/Mn/Ni
Copper + Iron + Manganese	5QN/Cu/Fe/Mn
	+ Nickel
	+ Zinc
Copper + Manganese + Nickel	5QN/Cu/Mn/Ni
	+ Zinc
Gold + Copper + Nickel	5QN/Au/Cu/Ni
Gold + Platinum + Silver	5QN/Au/Pt/Ag
Iron + Manganese + Nickel	5QN/Fe/Mn/Ni
	+ Zinc
Molybdenum + Chromium + Cobalt	5QN/Mo/Cr/Co
	+ Copper
	+ Manganese
Molybdenum + Cobalt + Copper	5QN/Mo/Co/Cu
	+ Manganese
	+ Iron
Molybdenum + Copper + Iron	5QN/Mo/Cu/Fe
	+ Manganese
Molybdenum + Iron + Manganese	5QN/Mo/Fe/Mn
Silver + Chromium + Copper	5QN/Ag/Cr/Cu
Silver + Copper + Nickel	5QN/Ag/Cu/Ni

FOUR ELEMENT LAMPS

Element	Type No.
Aluminum + Calcium + Iron + Magnesium	5QN/Al/Ca/Fe/Mg
Aluminum + Calcium + Lithium + Magnesium	5QN/Al/Ca/Li/Mg
Barium + Calcium + Magnesium + Strontium	5QN/Ba/Ca/Mg/Sr
Chromium + Cobalt + Copper + Iron	5QN/Cr/Co/Cu/Fe
	+ Manganese
	+ Nickel
	+ Iron + Manganese
	+ Nickel
	+ Manganese + Nickel
Chromium + Copper + Iron + Manganese	5QN/Cr/Cu/Fe/Mn
	+ Nickel
	+ Manganese + Nickel
	+ Nickel + Silver
Chromium + Iron + Manganese + Nickel	5QN/Cr/Fe/Mn/Ni

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BMY	45	CEA/CEB/CDK	44
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BRD	45	CEM	45
BRH	87	CEW/CFC	45
BRH	8	CGP	44
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BRK	83	CHK	45
BRL 64610HLX	35	CLS/CLG	45
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Ordering Code	Section	Ordering Code	Section
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CYX	.26	DSB	.84
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DEB	.81	DYA	.9
DED	.61	DYC	.87
DEK/DFW/DHN	.50	DYD	.87
DFD	.81	DYF	.57
DFE	.62	DYG	.1
DFN/DFC	.50	DYH	.6
DFT	.81	DYJ	.57
DGB	.50	DYP	.43
DGH	.81	DYR-220	.1
DJL	.50	DYR-220	.78
DJT	.61	DYR-240	.1
DKX/DSF	.30	DYR-240	.78
DKZ/DSE	.30	DYS/DYV/BHC	.1
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SECTION 1 2 PIN Prefocus GY9.5, GZ9.5

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
DYG	250	9000	15hrs	GY9.5	T-6	30	3400K
DYS/DYV/BHC	600	17000	75hrs	GZ9.5	G-7	120	3200K
DYS/DYV/BHC-5	600	15500	150hrs	GZ9.5	T-6	126	3200K
DYR-220	650	16500	50hrs	GZ9.5	G-7	220	3200K
DYR-240	650	16500	50hrs	GZ9.5	G-7	240	3200K
EKB	420	11000	75hrs	GZ9.5	T-6	120	3200K
EKD	650	20000	25hrs	GX9.5	G-6	120	3400K
FDT	100	2900	100hrs	GY9.35	T-3	12	3300K
FGW	150	4300	100hrs	GY9.5	T-4	24	3300K
FMR	600	12500	2000hrs	GY9.35	T-5	120	3000K
FNA	300	5900	2000hrs	GZ9.5	T-5	120	3200K
FTK	500	12000	200hrs	GY9.35	T-6	120	3200K
JCD120V300WC	300	7500	75hrs	GY9.5	T-6	120	3200K
JCD120V800WC	800	19500	75hrs	GY9.5	T-6	120	3200K

SECTION 2 GY9.5 GX9.5 1 3/16" LCL

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
FKW	300	7800	200hrs	GY9.35	T-6	120	3200K
FRF T18	500	12000	400hrs	GX9.5	T-8	120	3100K
FRG CP82	500	13000	150hrs	GY9.35	T-6	120	3200K
FRH CP82	500	12500	150hrs	GX9.5	T-8	220/230	3200K
FRK CP89	650	16900	200hrs	GY9.35	T-6	120	3200K
FRL CP89	650	16250	150hrs	GY9.5	T-8	220/230	3200K
FSL CP81	300	6900	150hrs	GX9.5	T-8	220/230	3200K

SECTION 3 GX9.5 2 13/16 LCL

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
FVA CP70	1000	25000	200hrs	GX9.5	T-7	220/230	3200K
FVC CP23	650	16500	N/A	GX9.5	T-7	220/230	3200K

SECTION 4 Double Contact Bayonet BA15d

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
ESP	150	2800	1000hrs	BA15d	T-4	120	2900K
ESR	100	1800	1000hrs	BA15d	T-4	120	2900K
ESS	250	5000	2000hrs	BA15d	T-4	120	3000K
ETB	250	4800	2000hrs	BA15d	T-4	120	3000K
ETC	150	2800	2000hrs	BA15d	T-4	120	2900K
ETD	100	1750	1000hrs	BA15d	T-4	120	2900K
ETF	150	2660	2000hrs	BA15d	T-4	120	2900K
FEV	200	5500	50hrs	BA15d	T-4	120	3200K

SECTION 5 Minican E11

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
EHT	250	5000	2000hrs	E11	T-4	120	3000K
EHV	325	7900	500hrs	E11	T-4	120	3000K
ESL	150	2800	1000hrs	E11	T-4	120	3000K
ESM	250	4850	2000hrs	E11	T-4	120	3000K

SECTION 5 Minican E11 (Cont.)

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
ESN	100	1800	1000hrs	E11	T-4	120	3000K
ETE	100	1750	750hrs	E11	T-4	120	3000K
ETG	150	2800	2000hrs	E11	T-4	120	3000K
ETH	150	2700	2000hrs	E11	T-4	120	3000K
ETV*	500	N/A	N/A	E11	T-4	130	3000K
EVR	500	10450	2000hrs	E11	T-4	120	3000K
EYT	750	16500	500hrs	E11	T-4	120	3050K
EYW	500	10450	2000hrs	E11	T-4	130	3000K
EYX	500	10100	2000hrs	E11	T-4	120	3000K

SECTION 6 Popular Video Lamps

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
DYH	600	17000	75hrs	G5.3	T-5	120	3200K
FSH	125	2500	200hrs	G5.3	T-3	120	3200K
GCA	250	5700	200hrs	G5.3	T-3	120	3200K
GCB	200	5300	200hrs	G5.3	T-3	120	3200K
GCC	100	3100	200hrs	G5.3	T-3	12	3200K
GDA	500	11000	100hrs	RSC-R7s	T-4	120	3200K

SECTION 7 RSC-R7s 3 1/8" MOL

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
DWY	650	2000	25hrs	RSC-R7s	T-4	120	3400K
DWZ	375	7500	1000hrs	RSC-R7s	T-4	30	3000K
DXX	800	20500	75hrs	RSC-R7s	T-4	230/240	3200K
EHP	300	5000	2500hrs	RSC-R7s	T-4	120	2900K
EHR	400	7500	2000hrs	RSC-R7s	T-4	120	2900K
FAD	650	16500	100hrs	RSC-R7s	T-4	120	3200K
FBX	650	16500	100hrs	RSC-R7s	T-4	120	3200K
FFM	420	11000	75hrs	RSC-R7s	T-4	120	3200K
Q200T3CL	200	3460	1500hrs	RSC-R7s	T-3	120	2850K
Q200T3FR	200	3350	1500hrs	RSC-R7s	T-3	120	2850K

SECTION 8 RSC-R7s 3 3/4" MOL

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
BRH	1000	3000	60hrs	RSC-R7s	T-5	120	3350K
DXN	1000	33000	55hrs	RSC-R7s	T-5	120	3400K
DXW	1000	28000	150hrs	RSC-R7s	T-5	120	3200K
FBY	1000	26000	150hrs	RSC-R7s	T-5	120	3200K
FBZ	1000	31500	30hrs	RSC-R7s	T-5	120	3400K
FCB	600	16500	75hrs	RSC-R7s	T-4	120	3200K

SECTION 9 RSC-R7s 4 3/8" MOL

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
DYA	1000	29000	200hrs	RSC-R7s	T-5	120	3200K

SECTION 10 RSC-R7s 4 11/16" MOL							
ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
400T3QCL SS	400	9200	2000hrs	RSC-R7s	T-3	120/130	3000K
EHM (CL)	300	6000	2000hrs	RSC-R7s	T-2.5	120	2950K
EHZ (FR)	300	5900	2000hrs	RSC-R7s	T-3	120	2950K
EJD (CL)	1000	33600	100hrs	RSC-R7s	T-3	185	3200K
EJG (CL)	750	20600	400hrs	RSC-R7s	T-3	120	3200K
EMD (FR)	750	19500	400hrs	RSC-R7s	T-3	120	3200K
EME P2/11 (CL)	800	22000	150hrs	RSC-R7s	T-3	220/240	3200K
EMF P2/11 (FR)	800	21400	150hrs	RSC-R7s	T-3	220/240	3200K
FCL (CL)	500	8750	2000hrs	RSC-R7s	T-3	120	3000K
FCM (CL)	1000	2800	400hrs	RSC-R7s	T-3	120	3200K
FCM/HIR (FWM)	650	25200	400hrs	RSC-R7s	T-3	120	3200K
FCZ (FR)	500	10500	2000hrs	RSC-R7s	T-3	120	3000K
FDF (CL)	500	13250	400hrs	RSC-R7s	T-3	120	3200K
FDN (FR)	500	12800	400hrs	RSC-R7s	T-2.5	120	3200K
FHM (FR)	1000	27300	300hrs	RSC-R7s	T-3	120	3350K
Q425T3CL	425	8900	2000hrs	RSC-R7s	T-3	120	2950K

SECTION 11 RSC-R7s 5 5/8" MOL							
ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
DWT (CL)	1000	22000	2000hrs	RSC-R7s	T-6	120	3000K
FER (CL)	1000	27500	500hrs	RSC-R7s	T-6	120	3200K
FEX (CL)	2000	50000	300hrs	RSC-R7s	T-8	230	3200K
FEY (CL)	2000	57400	400hrs	RSC-R7s	T-8	120	3200K

SECTION 12 RSC-R7s 6 9/16"							
ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
FDB (CL)	1500	41200	400hrs	RSC-R7s	T-4	120	3200K
FFT (CL)	1000	27000	300hrs	RSC-R7s	T-3	120	3200K
FFW	2000	57000	125hrs	RSC-R7s	T-4	120	3200K
FGT	1500	40200	400hrs	RSC-R7s	T-4	120	3200K

SECTION 13 MR11 GU4							
ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
FTB (NSP)	20	5500	3000hrs	GU4	MR-11	12	2900K
FTC (SP)	20	1760	3500hrs	GU4	MR-11	12	2900K
FTD (FL)	20	600	3000hrs	GU4	MR-11	12	2900K
FTE (NSP)	35	6000	3000hrs	GU4	MR-11	12	2950K
FTF (SP)	35	3000	3500hrs	GU4	MR-11	12	2950K
FTH (FL)	35	1500	3500hrs	GU4	MR-11	12	2950K

SECTION 14 MR16 2 Pin							
ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
BAB (FL), FOS5	20	N/A	4000hrs	GX5.3/GU5.3	MR-16	12	3000K
EFP	100	N/A	50hrs	GZ6.35	MR-16	12	3350K
EFR	150	N/A	50hrs	GZ6.35	MR-16	15	3250K
ELC	250	N/A	50hrs	GX5.3	MR-16	24	3450K
ELH	300	N/A	35hrs	GY5.3	MR-16	120	3350K

SECTION 14 MR16 2 Pin (Cont.)

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
ENH	250	N/A	175hrs	GY5.3	MR-16	120	3400K
ENL (FL)	50	N/A	3000hrs	GX5.3	MR-16	12	3050K
ENX	360	N/A	75hrs	GY5.3	MR-16	82	3300K
ENX-5	360	N/A	75hrs	GY5.3	MR-16	86	3300K
ENX-7	360	540	75hrs	GY5.3	MR-16	87.5	NA
ESX (NSP), FOS7	20	N/A	5000hrs	GU5.3	MR-16	12	3150K
EXN (FL), FOS4	50	N/A	6000hrs	GU5.3	MR-16	12	3050K
EXT (NSP), FOS6	50	N/A	6000hrs	GU5.3	MR-16	12	3025K
EXV	100	N/A	50hrs	GX5.3	MR-16	12	3250K
EXX	250	N/A	25hrs	GY5.3	MR-16	120	3250K
EXZ (NFL)	50	N/A	6000hrs	GU5.3	MR-16	12	3000K
EYC (FL), FOS9	75	N/A	4000hrs	GX5.3	MR-16	12	3050K
EYF (NSP), FOS8	75	N/A	4000hrs	GX5.3	MR-16	12	3050K
EYP (FL)	42	N/A	50hrs	GX5.3	MR-16	12	3050K
EYR (NSP)	42	N/A	4000hrs	GX5.3	MR-16	12	3000K
EYS (NFL)	42	N/A	3000hrs	GX5.3	MR-16	12	3000K
EZK	150	N/A	200hrs	GY5.3	MR-16	120	3400K
FLE	360	N/A	75hrs	GY5.3	MR-16	82	3300K
FMW (FL)	35	N/A	4000hrs	GU5.3	MR-16	12	NA
FPA (SP)	65	N/A	4000hrs	GU5.3	MR-16	12	3050K
FPB (FL)	65	N/A	4000hrs	GU5.3	MR-16	12	3050K
FPC (FL), FOS9	65	N/A	4000hrs	GU5.3	MR-16	12	3050K
FXL	410	N/A	75hrs	GY5.3	MR-16	82	3300K
FXX-HL	410	850	40hrs	GY5.3	MR-16	82	NA

SECTION 15 Colored MR 16

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
FNC (YELLOW)	50	N/A	4000hrs	GX5.3	MR-16	12	3000K
FND (RED)	50	N/A	4000hrs	GX5.3	MR-16	12	3000K
FNE (GREEN)	50	N/A	4000hrs	GX5.3	MR-16	12	3000K
FNF (BLUE)	50	N/A	4000hrs	GX5.3	MR-16	12	3000K

SECTION 16 MR16 E17, E26

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
FSA (NSP)	75	N/A	2000hrs	E17	MR-16	120	3000K
FSB (MFL)	75	N/A	2000hrs	E17	MR-16	120	3000K
FSC (NSP)	100	N/A	2000hrs	E17	MR-16	120	3000K
FSD (WFL)	75	N/A	2000hrs	E17	MR-16	120	3000K
FSE (MFL)	100	N/A	2000hrs	E17	MR-16	120	3000K
FSF (WFL)	100	N/A	2000hrs	E17	MR-16	120	3000K
JDR 120V 100W MFL	100	N/A	2000hrs	E26	MR-16	120	3000K
JDR 120V 100W NSP	100	N/A	2000hrs	E26	MR-16	120	3000K
JDR 120V 100W WFL	100	N/A	2000hrs	E26	MR-16	120	3000K
JDR 120V 75W MFL	75	N/A	2000hrs	E26	MR-16	120	3000K
JDR 120V 75W NSP	75	N/A	2000hrs	E26	MR-16	120	3000K
JDR 120V 75W WFL	75	N/A	2000hrs	E26	MR-16	120	3000K

SECTION 17 Medium 2 Pin G9.5

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
EHC/EHB	500	13000	300hrs	G9.5	T-4	120	3200K
EHD	500	10600	2000hrs	G9.5	T-4	120	3000K
EHF	750	20400	300hrs	G9.5	T-5	120	3200K
EHG	750	15400	2000hrs	G9.5	T-5	120	3000K
FCV	1000	26500	375hrs	G9.5	T-6	120	3200K
FEL	1000	27500	300hrs	G9.5	T-6	120	3200K
FEP CP77	1000	23000	150hrs	G9.5	T-6	220/240	3200K
FKR	650	15000	300hrs	G9.5	T-6	220/240	3100K
FLK/HX600	575	16500	300hrs	G9.5	T-5	115	3200K
FLK/LL HX601	575	12800	1500hrs	G9.5	T-6	115	3100K
GLA	575	13500	1500hrs	G9.5	T-6	120	3100K
GLC	575	15500	400hrs	G9.5	T-6	120	3200K
HP600	575	15500	300hrs	G9.5	T-6	120	3200K
HX400	375	10000	300hrs	G9.5	T-6	120	3200K
HX401	357	8500	1500hrs	G9.5	T-6	120	3000K
HX601	575	3050	1500hrs	G9.5	T-6	115	2950K
HX602	575	1400	300hrs	G9.5	T-6	115	3200K
HX603	575	12000	1500hrs	G9.5	T-6	115	3200K
HX754	750	21500	300hrs	G9.5	T-6	115	3200K
HX755	750	18250	1500hrs	G9.5	T-6	115	3050K
JCV 120V 1200WC	1200	33000	300hrs	G9.5	T-6	120	3200K

SECTION 18 MEDIUM 2Pin G9.5 BDTH

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
BWM	750	21000	200hrs	G9.5	T-8	120	3200K
BWN	1000	28500	250hrs	G9.5	T-7	120	3050K

SECTION 19 SOURCE 4 LAMPS

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
GLA/SINK	575	13500	1500hrs	SINK ADAPTOR	T-6	120	3100K
GLC/SINK	575	15500	400hrs	SINK ADAPTOR	T-6	120	3200K
HPL375/115V	375	10540	300hrs	SPECIAL	T-6	115	3200K
HPL375/115VX	375	8000	1000hrs	SPECIAL	T-6	115	3000K
HPL550/64V	550	16340	300hrs	SPECIAL	T-6	64	3200K
HPL550/77V	550	16170	300hrs	SPECIAL	T-6	77	3200K
HPL550/77VX	550	12160	2000hrs	SPECIAL	T-6	77	3000K
HPL575/115V	575	16520	300hrs	SPECIAL	T-6	115	3200K
HPL575/115VX	575	12360	2000hrs	SPECIAL	T-6	115	3000K
HPL575/120V	575	16460	300hrs	SPECIAL	T-6	120V	3200K
HPL575/230V	575	14900	400hrs	SPECIAL	T-6	230	3200K
HPL575/230VX	575	11780	1500hrs	SPECIAL	T-6	230	3050K
HPL575/240V	575	14900	400hrs	SPECIAL	T-6	240	3200K
HPL575/95V	575	16730	300hrs	SPECIAL	T-6	95	3200K
HPL750/115V	750	21900	300hrs	SPECIAL	T-6	115	3200K
HPL750/77V	750	22950	300hrs	SPECIAL	T-6	77	3200K

SECTION 20 Medium Prefocus P28s 2 3/16" LCL

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
BTL	500	11000	750hrs	P28s	T-6	120	3050K
BTM	500	13000	100hrs	P28s	T-6	120	3200K
BTN	750	17000	500hrs	P28s	T-7	120	3050K
BTP	750	21000	200hrs	P28s	T-7	120	3200K
BTR	1000	27500	250hrs	P28s	T-7	120	3200K
CXK	300	7400	25hrs	P28s	T-10	120-125	3200K
DMX	500	13200	50hrs	P28s	T-20	120	3200K
DNW	500	10000	500hrs	P28s	T-20	120	3050K
FKB T13	650	13500	750hrs	P28s	T-8	220/240	3000K
FKD T14	1000	23000	750hrs	P28s	T-14	220/240	3050K
FKF T17	500	9500	750hrs	P28s	T-8	220/240	2950K
FKM CP51	650	16900	200hrs	P28s	T-8	220/240	3200K
FKN CP52	1000	26500	250hrs	P28s	T-8	220/240	3200K

SECTION 21 Medium Prefocus P28s 3 1/2" LCL

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
DNS/FMC	500	11000	500hrs	P28s	T-6	120	3050K
DNT/FMD	750	17000	500hrs	P28s	T-7	120	3050K
EGC/ECD	500	12700	500hrs	P28s	T-12	120	3200K
EGE	500	10000	2000hrs	P28s	T-5	120	3000K
EGF	750	20400	500hrs	P28s	T-6	120	3200K
EGG	750	15000	2000hrs	P28s	T-5	120	3000K
EGJ	1000	25500	400hrs	P28s	T-6	120	3200K
EGK	1000	24500	400hrs	P28s	T-6	120	3000K
EGM	1000	21500	2000hrs	P28s	T-6	120	3200K
EWE	1000	26500	250hrs	P28s	T-6	220/240	3050K
FKE T15	1000	23000	750hrs	P28s		220/240	3200K

SECTION 22 Medium Bipost G22 2 1/2" LCL

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
EGN	500	13000	100hrs	G22	T-6	120	3200K
EGR	750	20000	200hrs	G22	T-7	120	3200K
EGT	1000	27500	250hrs	G22	T-7	120	3200K
FKJ	1000	26500	250hrs	G22	T-8	220/240	3200K

SECTION 23 Medium Bipost G22 4" LCL

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
EFX	500	10000	2000hrs	G22	T-5	120	3000K

SECTION 24 Mogul Prefocus P40s 3 7/16" LCL

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
DTA	1500	39000	100hrs	P40s	T-8	120	3200K
DTJ	1500	42500	25hrs	P40s	T-20	120	3250K

SECTION 25 Mogul Prefocus P40s 3 15/16" LCL

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
BVT	1000	23000	500hrs	P40s	T-7	120	3050K

SECTION 25 Mogul Prefocus P40s 3 15/16" LCL (Cont.)

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
BVV	1000	27500	200hrs	P40s	T-7	120	3200K
BVW	2000	59000	280hrs	P40s	T-9.5	120	3200K

SECTION 26 Mogul Bipost G38 5" LCL

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
BWA	2000	54000	500hrs	G38	T-8	120	3200K
CXZ	1500	38500	325hrs	G38	T-8	120	3200K
CYV	1000	27500	200hrs	G38	T-7	120	3200K
CYX	2000	55000	300hrs	G38	T-9	120	3200K
FKK CP41	2000	54000	400hrs	G38	T-10	220/240	3200K

SECTION 27 Mogul Bipost G38 6 1/2" LCL

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
CP29	5000	143000	500hrs	G38	T-17	220/240	3200K
DPY	5000	143000	500hrs	G38	T-17	120	3200K

SECTION 28 Mogul Bipost G38 10" LCL

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
CP83	10000	290500	300hrs	G38	T-24	220/240	3200K
DTY	10000	290500	350hrs	G38	T-24	120	3200K
12K KP120	12000	400000	150hrs	G38	T-24	120	3200K

SECTION 29 Mogul Bipost G38 14" LCL

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
20K BCM	20000	580000	350hrs	G38	T-32	220	3200K
24K KP240H	24000	840000	150hrs	G38	T-32	220	3400K

SECTION 30 Mogul Screw E39

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
300CL	300	5700	1000hrs	E39	PS-35	120	NA
500CL	500	10600	1000hrs	E39	PS-35	120	NA
750CL	750	16810	1000hrs	E39	PS-52	120	NA
1000CL	1000	N/A	1000hrs	E39	PS-52	120	NA
1000IF	1000	23100	1000hrs	E39	PS-52	120	NA
300IF	300	5700	1000hrs	E39	PS-35	120	NA
500IF	500	10750	1000hrs	E39	PS-35	120	NA
BWF	2000	54000	500hrs	E39	T-8	120	3200K
BWG	2000	56000	400hrs	E39	T-8	120	3200K
DKX/DSF	1500	41000	1000hrs	E39	PS-52	120	3200K
DKZ/DSE	1000	28000	750hrs	E39	PS-52	120	3050K

SECTION 31 PAR36 120V

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
DWE	650	24000	100hrs	SCREW TERM	PAR 36	120	3200K
FAY	650	N/A	30hrs	FERRULE	PAR 36	120	5000K
FBE	650	N/A	30hrs	SCREW TERM	PAR 36	120	5000K
FBO	650	N/A	30hrs	SCREW TERM	PAR 36	120	3400K
FCW	650	N/A	100hrs	FERRULE	PAR 36	120	3200K

SECTION 31 PAR36 120V (Cont.)

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
FCX	650	100	100hrs	FERRULE	PAR 36	120	3200K

SECTION 32 PAR 36, 46, 56 ,64 Sealed Beam & Aluminum Reflector Screw Terminals

ORDERING CODE	WATTS	LUMENS		LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
		CANDLE POWER						
4405	30	50000		100hrs	SCREW TERM	PAR36	12.8	N/A
4416	30	35000		300hrs	SCREW TERM	PAR36	12.8	N/A
4435	30	75000		100hrs	SCREW TERM	PAR46	12.8	N/A
4505	50	45000		400hrs	SCREW TERM	PAR36	28	N/A
4509	100	110000		25hrs	SCREW TERM	PAR36	13	N/A
4515	30	55000		100hrs	SCREW TERM	PAR36	6.4	N/A
4535	30	95000		100hrs	SCREW TERM	PAR46	6.4	N/A
4541	450	470000		25hrs	SCREW TERM	PAR56	28	N/A
4545	100	225000		100hrs	SCREW TERM	PAR56	12	N/A
4552	250	500000		25hrs	SCREW TERM	PAR64	28	N/A
4553	250	300000		25hrs	SCREW TERM	PAR46	28	N/A
4559	600	600000		25hrs	SCREW TERM	PAR64	28	N/A
4594	100	70000		300hrs	SCREW TERM	PAR36	28	N/A
4596	250	150000		25hrs	SCREW TERM	PAR36	28	N/A
100AR111/25°/FL	100	8500		3000hrs	SCREW TERM	PAR36 Alum	12	3000K
100AR111/45°/WFL	100	2800		3000hrs	SCREW TERM	PAR36 Alum	12	3000K
100AR111/8°/SP	100	48000		3000hrs	SCREW TERM	PAR36 Alum	12	3000K
120PAR64VNSP	120	225000		2000hrs	SCREW TERM	PAR64	6	2850K
25PAR36	25	130		1000hrs	SCREW TERM	PAR36	5.5	3000K
25PAR36NSP	25	150		2000hrs	SCREW TERM	PAR36	12	N/A
25PAR36VNSP	25	N/A		2000hrs	SCREW TERM	PAR36	12	N/A
25PAR36WFL	25	150		1000hrs	SCREW TERM	PAR36	12	N/A
25PAR465.5	25	140		1000hrs	SCREW TERM	PAR46	5.5	N/A
35AR111/4°/SSP 41830SSP	35	30000		3000hrs	SCREW TERM	PAR36 Alum	6	3000K
50AR111/25°/FL 41835FL	50	2800		3000hrs	SCREW TERM	PAR36 Alum	12	3000K
50AR111/4°/SSP 41835SSP	50	50000		3000hrs	SCREW TERM	PAR36 Alum	12	3000K
50AR111/8°/SP 41835SP	50	23000		3000hrs	SCREW TERM	PAR36 Alum	12	3000K
50PAR36NSP	50	200		2000hrs	SCREW TERM	PAR36	12	N/A
50PAR36VNSP	50	200		2200hrs	SCREW TERM	PAR36	12	N/A
50PAR36WFL	50	200		2000hrs	SCREW TERM	PAR36	12	N/A
75AR111/25°/FL	75	5300		3000hrs	SCREW TERM	PAR36 Alum	12	3000K
75AR111/45°/WFL	75	1700		3000hrs	SCREW TERM	PAR36 Alum	12	3000K
75AR111/8°/SP	75	30000		3000hrs	SCREW TERM	PAR36 Alum	12	3000K
H7635	50	160000L		100hrs	SCREW TERM	PAR46	12.8	N/A

SECTION 33 PAR 46 Medium Side Prong

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
200PAR46/3MFL	200	1300	2000hrs	MSP	PAR 46	120	2750
200PAR46/3NSP	200	1300	2000hrs	MSP	PAR 46	120	2750

SECTION 34 PAR 56, 64 EMEP GX16d

ORDERING CODE	WATTS	CANDLE-POWER	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
300PAR56MFL	300	27000	2000hrs	GX16D-EMEP	PAR 56	120	2750
300PAR56NSP	300	68000	2000hrs	GX16D-EMEP	PAR 56	120	2750
300PAR56WFL	300	11000	2000hrs	GX16D-EMEP	PAR 56	120	2750
500PAR56QMFL	500	96000	4000hrs	GX16D-EMEP	PAR 56	120	2950
500PAR56QNSP	500	43000	4000hrs	GX16D-EMEP	PAR 56	120	2950
500PAR56QWFL	500	19000	4000hrs	GX16D-EMEP	PAR 56	120	2950
500PAR64MFL	500	37000	2000hrs	GX16D-EMEP	PAR 64	120	2800
500PAR64NSP	500	110000	2000hrs	GX16D-EMEP	PAR 64	120	2800
500PAR64WFL	500	13000	2000hrs	GX16D-EMEP	PAR 64	120	2800
600PAR56QVNSP	500	240000	200hrs	GX16D-EMEP	PAR 56	120	3250
1000PAR64QMFL	1000	82000	4000hrs	GX16D-EMEP	PAR 64	120	3000
1000PAR64QNSP	1000	135000	4000hrs	GX16D-EMEP	PAR 64	120	3000
1000PAR64QWFL	1000	23000	4000hrs	GX16D-EMEP	PAR 64	120	3000
EXG CP95 (WFL)	1000	38000	3000hrs	GX16D-EMEP	PAR 64	220/240	3200
EXC CP60 (VNSP)	1000	400000	350hrs	GX16D-EMEP	PAR 64	220/240	3200
EXD CP61 (NSP)	1000	275000	300hrs	GX16D-EMEP	PAR 64	220/240	3200
EXE CP62 (MFL)	1000	130000	300hrs	GX16D-EMEP	PAR 64	220/240	3200
FFN (VNSP)	1000	350000	800hrs	GX16D-EMEP	PAR 64	120	3200
FFP (NSP)	1000	235000	800hrs	GX16D-EMEP	PAR 64	120	3200
FFR (MFL)	1000	130000	800hrs	GX16D-EMEP	PAR 64	120	3200
FFS (WFL)	1000	33000	800hrs	GX16D-EMEP	PAR 64	120	3200
FGM (NSP)	1000	N/A	200hrs	GX16D-EMEP	PAR 64	120	5200
FGN (MFL)	1000	8200	200hrs	GX16D-EMEP	PAR 64	120	5200
GFA (MFL)	1200	160000	400hrs	GX16D-EMEP	PAR 64	120	3200
GFB (NSP)	1200	450000	400hrs	GX16D-EMEP	PAR 64	120	3200
GFC (VNSP)	1200	540000	400hrs	GX16D-EMEP	PAR 64	120	3200
GFD (XWFL)	1200	N/A	600hrs	GX16D-EMEP	PAR 64	120	3200
GFE (WFL)	1200	45000	400hrs	GX16D-EMEP	PAR 64	120	3200
GFF (XWFL)	1000	N/A	800hrs	GX16D-EMEP	PAR 64	120	3200

SECTION 35 SPECIAL EFFECT LAMPS

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
7010	300	7500	150hrs	GX6.53	T-6	120	3100
64514	300	7700	75hrs	GX6.35	T-6	120	3400
6880P	750	N/A	140hrs	GX9.5	T-10	120	3200
BRL 64610HLX	50	1400	50hrs	G6.35	T-3	12	3400
DRA	300	6900	300hrs	G6.35	T-4	120	3100
EHJ 65655HLX	250	8000	50hrs	G6.35	T-4	24	3100
EVA 64623HLX	100	2000	200hrs	GY6.35	T-4	12	3200
EVC/FGX 64657HLX	250	9000	300hrs	GY6.35	T-4	24	3200
EVD 64663HLX	400	4500	50hrs	GY6.35	T-6	36	3200
EXR	300	925	35hr	GX5.3	MR-13	82	3350
EXY	250	400	200hrs	GX5.3	MR-13	82	3200
FCR 64625HLX	100	2800	50hrs	GY6.35	T-3	12	3200
FCS 64640HLX	150	3300	50hrs	G6.35	T-4	24	3400
FVN	150	32000	1000hrs	G6.35	T-4	40	3000
QT8500 EVC	250	8400	300hrs	G6.35	T-4.75	24	3200

SECTION 36 BLACK LIGHT LAMPS

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
75A19BL	75	N/A	500hrs	MED SCREW	A-19	120	N/A
F4T5BLB 6"	4	N/A	6000hrs	MIN BIPIN	T-5	NA	N/A
F6T5BLB 9"	6	N/A	7500hrs	MIN BIPIN	T-5	NA	N/A
F8T5BLB 12"	8	N/A	7500hrs	MIN BIPIN	T-5	NA	N/A
F15T8BLB 18"	15	N/A	7500hrs	MED BIPIN	T-8	NA	N/A
F20T12BLB 24"	20	N/A	9000hrs	MED BIPIN	T-12	NA	N/A
F30T8BLB 36"	30	N/A	7500hrs	MED BIPIN	T-8	NA	N/A
F40T12BLB 48"	40	N/A	20000hrs	MED BIPIN	T-12	NA	N/A
H37KB250	250	N/A	24000hrs	MOG SCREW	ED-28	NA	N/A
HPA400S	400	N/A	N/A	SPECIAL	T-5	125	N/A
HPA400/30S	400	N/A	N/A	SPECIAL	T-5	125	N/A

SECTION 37 PAR & Reflector Medium E26

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
45PAR38H FL	45	530	2000hrs	E26	PAR 38	120/130	N/A
45PAR38H SP	45	530	2000hrs	E26	PAR 38	120/130	N/A
50PAR30H NSP, NFL, FL	50	530	2000hrs	E26	PAR 30	120/130	N/A
50R20 FL, SP	50	N/A	2000hrs	E26	R-20	120/130	2850K
50R20 R, G, B, Y, PK	50	N/A	2000hrs	E26	R-20	120/130	N/A
60PAR16CAP NSP, NFL	60	650	2000hrs	E26	PAR 16	120/130	N/A
60PARCAP FL	60	N/A	2500hrs	E26	PAR 38	120/130	N/A
60PARCAP SP	60	N/A	3000hrs	E26	PAR 38	120/130	N/A
75BR30 FL, SP	75	N/A	2000hrs	E26	BR-30	120/130	N/A
75BR30, R,G,B,Y,PK	75	N/A	2000hrs	E26	BR-30	120/130	N/A
75PAR16CAP NSP, NFL	75	900	2000hrs	E26	PAR 16	120/130	2950K
75PAR30H NSP, NFL, FL	75	940	2000hrs	E26	PAR 30	120/130	N/A
90PAR38H FL, SP	90	1280	2000hrs	E26	PAR 38	120/130	N/A
100PAR38 R, G, B, Y, PK	100	N/A	2000hrs	E26	PAR 38	120/130	N/A
120BR40 FL, SP	120	1150	2000hrs	E26	BR-40	120/130	N/A
120PARCAP SP, FL	120	1900	3000hrs	E26	PAR 38	120/130	N/A
150BR40 R, G, B, Y, PK	150	N/A	2000hrs	E26	BR-40	120/130	N/A
Q250PAR38 FL, SP	250	3600	4200hrs	E26	PAR 38	120	2880k
300BR40 FL, SP	300	3600	2000hrs	E26	BR-40	120/130	N/A

SECTION 38 A Lamps Medium E26

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
11S14 A, B, CL, G, R, Y, O	11	N/A	3000	E26	S-14	120/130	N/A
15A CL, IF	15	126	2500	E26	A-15	120/130	N/A
25A CL, IF	25	220/232	1000/2500	E26	A-19	120/130	N/A
25A TA, TB, TG, TR, TO, TY	25	N/A	3000	E26	A-19	130	N/A
40A CL, IF	40	490	1500	E26	A-19	120/130	N/A
60A CL, IF	60	855/890	1000	E26	A-19	120/130	N/A
75A CL, IF	75	1180/1120	750	E26	A-19	120/130	N/A
100A CL, IF	100	1300/1190	2120	E26	A-19	120/130	N/A
150A CL, IF	150	2440/2110	1275/2120	E26	A-21	120/130	N/A
200A CL, IF	200	3310/2865	1275/2120	E26	A-23	120/130	N/A

SECTION 39 Movie Lights Medium E26, Mogul E39

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
PH211	75	1000	100hrs	E26	A-21	115-125	3000
PH212	150	2300	100hrs	E26	A-21	115-125	3050
PH213	250	7000	3hrs	E26	A-21	115-125	3400
BAH	300	9000	20hrs	E26	A-21	120	3200
BBA	250	8500	3hrs	E26	A-21	120	3400
BCA	250	400	3hrs	E26	A-21	120	4800
EBV	500	17000	6hrs	E26	PS-25	120	3400
EBW	500	10500	6hrs	E26	PS-25	120	4800
ECA	250	6500	20hrs	E26	A-23	120	3200
ECT	500	13650	60hrs	E26	PS-25	120	3200
ECV	1000	26500	60hrs	E39	PS-40	120	3200

SECTION 40 Movie Lights R Types Medium E26

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
DXC	500	N/A	6hrs	E26	R-40	118	3400
DXH	375	N/A	15hrs	E26	BR-40	118	3200
EAL	500	N/A	15hrs	E26	R-40	120	3300

SECTION 41 Special Types HID

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
GEMINI-300 (EZG)	300	N/A	50hrs	2 PIN PLUG	PAR 20	35	6000
MARC 350-16T (EZT)	350	N/A	50hrs	2 PIN PLUG	PAR 24	45	5000
MARC-300/16 (EZM)	300	N/A	25hrs	2 PIN PLUG	PAR 24	37.5	5500
HMI200W	200	14000	300hrs	X515	N/A	70	5600
HMI250W/SE	270	16200	250hrs	FaX1.5	N/A	50	5600
HMI575W/SE	575	49000	750hrs	G22	N/A	95	5600
HMI575W/GS	575	49000	750hrs	SFc10-4	N/A	95	5600
HMI1200HB (SHORT)	1200	110000	750hrs	SPECIAL	N/A	100	5600
HMI1200W/GS	1200	110000	75hrs	SFc15.5	N/A	100	5600
HMI1200W/S (SHORT)	1200	110000	75hrs	SFc10-4	N/A	100	6000
HMI1200W/SE	1200	110000	75hrs	G38	N/A	100	5600
HMI2500W/S (SHORT)	2500	240000	500hrs	SFa21	N/A	100	6000
HMI2500W/SE	2500	240000	500hrs	G38	N/A	115	5600
HMI2500W	2500	240000	500hrs	SFa21	N/A	115	6000
HMI4000W/SE	4000	380000	500hrs	G38	N/A	200	6000
HMI4000W	4000	380000	500hrs	SFa21	N/A	200	6000
HMI6000W	6000	510000	500hrs	S25.5	N/A	123	6000
HMI6000W/SE	6000	600000	500hrs	GX38	N/A	145	5600
HMI12000W	12000	115000	500hrs	S30	N/A	224	6000
HMI12000W/SE	12000	110000	750hrs	G38	N/A	160	5600
HMI18000W	18000	1700000	250hrs	S30	N/A	225	6000
HSD200	200	1300	2000hrs	GY9.5	N/A	70	5600
HSD250	250	1700	2000hrs	GY9.5	N/A	90	6000
HSD400	400	30000	2000hrs	GX9.5	N/A	95	5600
HSD575	575	45000	3000hrs	GX9.5	N/A	86	7000
HSR400W	400	33000	650hrs	GX9.5	N/A	67	5600
HSR575/2	575	49000	1000hrs	GX9.5	N/A	90	6000

SECTION 41 Special Types HID (Cont.)

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
HSR700W	700	58000	1000hrs	G22	N/A	72	5800
HTI150W	150	9500	5000hrs	GY9.5	N/A	90	6500
HTI152W	150	9500	250hrs	GY9.5	N/A	95	5000
HTI250W/32	270	N/A	250hrs	SPECIAL	N/A	45	5600
HTI250W/SE	270	10000	250hrs	SPECIAL	N/A	45	4600
HTI300W/DX	300	20000	750hrs	SFc10-4	N/A	100	6500
HTI400W/24	400	N/A	250hrs	PLUG	N/A	55	5600
HTI400W/DE	400	N/A	N/A	SPECIAL	N/A	55	4600
HTI400W/SE	400	28000	250hrs	SPECIAL	N/A	55	4800
HTI403W/24	400	NA	750hrs	PLUG	N/A	55	5600
HTI405W/SE	400	40000	500hrs	GY9.5	N/A	55	5800
HTI404W/SE	400	40000	500hrs	FaX1.5	N/A	55	6000
HTI600W/D	600	48000	300hrs	SPECIAL	N/A	95	5300
HTI600W/SE	600	48000	300hrs	SPECIAL	N/A	95	5300
HTI1200WSE	1200	99000	600hrs	GY22	N/A	100	6000

SECTION 42 Special Types HID

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
MSD200	200	13500	2000hrs	GY9.5	N/A	68	5800
MSD200/2	200	13500	3000hrs	GY9.5	N/A	70	6600
MSD250	250	17000	2000hrs	GY9.5	N/A	70	6500
MSD250/2	250	17000	2000hrs	GY9.5	N/A	70	6900
MSD575	575	45000	2000hrs	GZZ9.5	N/A	95	5600
MSD700	700	55000	2000hrs	GY9.5	N/A	72	5900
MSR125HR	125	9400	200hrs	GZX9.5	N/A	80	5600
MSR200HR	200	15000	200hrs	GZY9.5	N/A	70	5600
MSR400	400	32000	750hrs	GZY9.5	N/A	67	5600
MSR400HR	400	32000	650hrs	GZZ9.5	N/A	70	6000
MSR400SA	400	30000	750hrs	GY9.5	N/A	54	5500
MSR575/2	575	49000	750hrs	GZZ9.5	N/A	95	5600
MSR575HR	575	49000	750hrs	G22	N/A	95	5600
MSR700/2	700	49000	1000hrs	G22	N/A	72	5600
MSR700SA	700	50000	500hrs	GY9.5	N/A	72	5500
MSR1200	1200	110000	800hrs	G22	N/A	100	5600
MSR1200/2	1200	105000	800hrs	G22	N/A	90	6700
MSR1200HR	1200	110000	800hrs	G38	N/A	115	5600
MSR1200SA	1200	96000	750hrs	GY22	N/A	100	6500
MSR2500HR	2500	240000	500hrs	G38	N/A	115	5600
MSR4000HR	4000	380000	500hrs	G38	N/A	200	5600
MSR6000HR	6000	570000	300hrs	Gy38	N/A	125	6000

SECTION 42A Special Types HID P32D

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
MPXLDL35	35	2600	5000	P32D	N/A	N/A	3900K

SECTION 43 AV PHOTO LAMPS

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
DYP	600	17000	75hrs	2 BUTTON	G-7	120	3200K

SECTION 44 AV PHOTO LAMPS BA15D

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
8013	10	N/A	200hrs	BA15D	S-8	6	N/A
8017	15	N/A	1000hrs	BA15D	T-6	6	N/A
8018	15	N/A	100hrs	BA15D	T-6	6	N/A
BEC	150	3500	25hrs	BA15D	B-12	120	3075K
BEJ	200	4600	25hrs	BA15D	B-12	120	3075K
BLC	30	400	50hrs	BA15D	S-11	115-125	2775K
BLX	50	780	50hrs	BA15D	S-11	115-125	2850K
BMG/BMH	100	2000	25hrs	BA15D	S-11	120	3000K
BNF	75	1300	25hrs	BA15D	S-11	115-125	2900K
CAC	50	900	50hrs	BA15D	T-8	120	2810K
CAX HAL	50	800	1000hrs	BA15D	T-4	120	3100K
CAX	50	775	50hrs	BA15D	T-8	120-130	2875K
CAX-115/5	50	775	50hrs	BA15D	T-8	115-120	2875K
CAX-130	50	775	50hrs	BA15D	T-8	130	2875K
CBX/CBS	75	1200	50hrs	BA15D	T-8	115-125	2925K
CDJ	100	2000	50hrs	BA15D	T-8	115-125	2975K
CEA/CEB/CDK	100	2000	75hrs	BA15D	T-8	120	2975K
CEB	100	1850	50hrs	BA15D	T-8	115-125	2975K
CGP	150	2900	50hrs	BA15D	T-8	120	3000K
CLX/CMB	300	7400	25hrs	BA15D	T-8	120	3150K
EAD	60	750	100hrs	BA15D	T-6.5	120	N/A
EAJ	35	620	300hrs	BA15D	T-6.5	12	N/A
FSS	20	5500	2000hrs	BA15D	MR-11	12	2950K
FST	20	1700	2000hrs	BA15D	MR-11	12	2950K
FSV	20	N/A	2000hrs	BA15D	MR-11		2950K
GDX	35	2000	2000hrs	BA15D	MR-11	12	N/A
GDY	35	N/A	2000hrs	BA15D	MR-11	12	2950K
GDZ	35	N/A	2000hrs	BA15D	MR-11	12	2950K

SECTION 45 AV PHOTO LAMPS BA15S

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
BLR	50	780	50hrs	BA15S	S-11	120	2850K
BMD	100	2000	25hrs	BA15S	S-11	120	3000K
BMY	100	1860	50hrs	BA15S	S-11	120	2950K
BRD	.75A	30	50hrs	BA15S	T-5	4	2800K
BVB	30	465	25hrs	BA15S	T-7	120	2850K
BXE	7	1700	100hrs	BA15S	T-8	10	N/A
BXR	50	900	100hrs	BA15S	T-8	10	N/A
BXT	100	2250	25hrs	BA15S	T-8	12	3050K
CAS/CAV	50	775	50hrs	BA15S	T-8	120	2875K
CBC/CBJ	75	1250	50hrs	BA15S	T-8	120	2950K
CDD	100	2000	50hrs	BA15S	T-8	120	2975K
CDS/CDX	100	1800	50hrs	BA15S	T-8	115-125	2900K

SECTION 45 AV PHOTO LAMPS BA15S (Cont.)							
ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
CEM	120	1950	200hrs	BA15S	T-8	120	3000K
CEW/CFC	150	2900	50hrs	BA15S	T-8	120	3000K
CGW/CGT	200	4400	25hrs	BA15S	T-8	120	3100K
CHK	150	2995	500hrs	BA15S	T-8	120	2850K
CLS/CLG	300	7600	25hrs	BA15S	T-8.5	120-125	3200K
CMV/CMT	300	7300	25hrs	BA15S	T-8	120	3100K
CYC/CYM	300	7400	25hrs	BA15S	T-10	120	3150K
PH/111A	75	1120	25hrs	BA15S	S-11	125	2900K

SECTION 46 AV PHOTO LAMPS BA20D							
ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
8024	40	N/A	500hrs	BA20D	S-11	12	N/A
8025	5A	N/A	300hrs	BA20D	S-11	6	N/A
8029	60	N/A	25hrs	BA20D	S-11	15	N/A

SECTION 47 AV PHOTO LAMPS E10							
ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
FBT	150	5000	6hrs	E10	T-3	30	3400K
FBV	250	7000	6hrs	E10	T-3	30	3400K

SECTION 48 AV PHOTO LAMPS G17Q							
ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
BEH	150	3500	15hrs	G17Q	T-10	120	3100K
CAL	300	N/A	25hrs	G17Q	T-10	120	3200K
CAR	150	N/A	15hrs	G17Q	T-10	120	3100K
CRT	300	N/A	50hrs	G17Q	T-10	120	N/A
CZA/CZB	500	N/A	25hrs	G17Q	T-10	120	3300K
DAH	500	N/A	200hrs	G17Q	T-10	120	3000K
DAT/DAK	400	9800	25hrs	G17Q	T-10	120	3200K
DAY/DAK	500	12500	30hrs	G17Q	T-10	120-125	3200K

SECTION 49 AV PHOTO LAMPS E11							
ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
EYV	500	10000	2000hrs	E11	T-4	130	3000K

SECTION 50 AV PHOTO LAMPS G17Q							
ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
BCK	500	N/A	50hrs	G17Q	T-6	120	3200K
BRN	1200	N/A	20hrs	G17Q	T-7	120	3350K
CBA	500	N/A	50hrs	G17Q	T-6	120	3200K
CTT/DAX	1000	N/A	25hrs	G17Q	T-12	120	3205K
CWA	750	N/A	25hrs	G17Q	T-12	120	3200K
CWA-5	750	N/A	25hrs	G17Q	T-12	125	3200K
DCH/DJA/DFP	150	N/A	15hrs	G17Q	T-12	120	3150K
DEK/DFW/DHN	500	N/A	25hrs	G17Q	T-12	120	3205K
DFN/DFC	150	N/A	15hrs	G17Q	T-12	125	3150K
DGB	80	N/A	15hrs	G17Q	T-12	30	3200K

SECTION 50 AV PHOTO LAMPS G17Q (Cont.)

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
DJL	150	N/A	15hrs	G17Q	T-14	120	3150K
DLN	750	N/A	25hrs	G17Q	T-12	120	3205K

SECTION 51 AV PHOTO LAMPS E12

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
BKR	30	400	50hrs	E12	E-12	120	2775K
BLK	30	400	50hrs	E12	S-11	120-30	2700K

SECTION 52 AV PHOTO LAMPS E14

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
8100	5A	N/A	600hrs	E14	S-11	6	N/A
BFM	15	150	500hrs	E14	S-25	110	N/A

SECTION 53 AV PHOTO LAMPS E26

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
CZS	500	12500	25hrs	E26	T-10	120	3200K
DCX	750	19500	25hrs	E26	T-12	120	3200K
DMS	500	13200	50hrs	E26	T-20	120	3200K
DXB	500	N/A	6hrs	E26	R-40	115-120	3300K
DXC	500	N/A	6hrs	E26	R-40	115-120	3300K
PH/140	75	1150	50hrs	E26	S-14	120	2900K
PH/211	75	1000	100hrs	E26	A-21	115-25	3000K
PH/212	150	2300	100hrs	E26	A-21	115-25	3050K
PH/213	250	7000	3hrs	E26	A-21	115-25	3400K

SECTION 54 AV PHOTO LAMPS E39

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
DPT	1000	28000	50hrs	E39	T-20	115-120	3200K
DRW	1000	27400	25hrs	E39	T-20	120	3250K

SECTION 55 AV PHOTO LAMPS G17T

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
BRP	750	N/A	50hrs	G17T	T-7	120	3300K
BRR	1000	N/A	50hrs	G17T	T-7	120	3205K
BTG	1200	38200	20hrs	G17T	T-7	120	3350K
DYY/EGH	500	14000	50hrs	G17T	T-6	120	3205K
EGX	500	N/A	200hrs	G17T	T-6	120	3100K

SECTION 56 AV PHOTO LAMPS G4

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
64223	10	150	300hrs	G.4	T-3	6	N/A
ESA/FHD	10	200	100hrs	G4	T-3	6	3200K
ESB/FHE	20	450	100hrs	G4	T-3	6	3200K

SECTION 57 AV PHOTO LAMPS G5.3

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
DVY	650	20000	25hrs	G5.3	G-6	120	3300K
DYF	140	4000	50hrs	G5.3	T-3	19.3	3200K
DYJ	650	20000	20hrs	G5.3	T-6	230	3400K
DYT	80	2600	25hrs	G5.3	T-3	19	3350K
DZA	30	800	400hrs	G5.3	T-3.5	10.8	3100K
DZB	100	2900	50hrs	G5.3	T-3	12	3350K
ELA	65	1900	25hrs	G5.3	T-3	19	3350K
EYB	360	10000	75hrs	G5.3	T-3.5	82	3300K
EYB-5	360	N/A	75hrs	G5.3	T-3.5	86	3200K
EYB-7	360	N/A	75hrs	G5.3	T-3.5	87.5	3250K
EYH/FKT	250	6000	200hrs	G5.3	G-6	120	3000K
EZD	12	2000	2650hrs	G5.3	T-4	19	3050K
FBG/FBD	500	13200	50hrs	G5.3	G-6	120	3200K
FGF	150	5000	50hrs	G5.3	T-4	24	3400K

SECTION 58 AV PHOTO LAMPS G5.3, 4.8 TABS

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
64613	75	N/A	25hrs	TAB	MR-11	12	N/A
64614	75	N/A	25hrs	TAB	MR-11	12	N/A
64617	75	N/A	25hrs	TAB	MR-11	12	N/A
64624	100	N/A	25hrs	TAB	MR-11	12	N/A

SECTION 59 AV PHOTO LAMPS G6.35

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
64261	30	750	50hrs	G6.35	T-3.5	12	N/A
64602	50	1000	1100hrs	G6.35	T-3.5	12	N/A
64650	50	1000	1300hrs	G6.35	T-4	22.8	N/A
64611 HLX	50	1350	100hrs	G6.35	T-3.5	12	N/A
64664 HLX	400	14500	150hrs	G6.35	T-6	36	N/A
64665 HLX	400	12200	300hrs	G6.35	T-6	36	N/A
BRJ/EVB 64633HLX	150	5600	50hrs	G6.35	T-3.5	15	N/A
ESY	150	3300	200hrs	G6.35	T-4	120	3050K
FDV	150	4300	100hrs	G6.35	T-4	24	3050K
FNT	275	10000	50hrs	G6.35	T-4	24	3400K

SECTION 60 AV PHOTO LAMPS GU5.3

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
BBF	20	N/A	4000hrs	GU5.3	MR-16	12	2950K
EXN	50	1500	4000hrs	GU5.3	MR-16	12	3000K
FMT	35	N/A	4000hrs	GU5.3	MR-16	12	2950K
FMV	35	N/A	4000hrs	GU5.3	MR-16	12	2950K
FNV	50	N/A	4000hrs	GU5.3	MR-16	12	3000K

SECTION 61 AV PHOTO LAMPS GX5.3

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
BAA	75	N/A	2000hrs	GX5.3	T-3.5	28	N/A
DDF	55	N/A	300hrs	GX5.3	MR-16	17	3100K

SECTION 61 AV PHOTO LAMPS GX5.3 (Cont.)							
ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
DDK	80	N/A	40hrs	GX5.3	MR-16	19	3300K
DDL	150	N/A	500hrs	GX5.3	MR-16	20	3150K
DDM	80	N/A	50hrs	GX5.3	MR-16	19	3350K
DDS	80	N/A	1000hrs	GX5.3	MR-16	21	3125K
DED	85	N/A	1000hrs	GX5.3	MR-16	13.8	3150K
DJT	50	N/A	1000hrs	GX5.3	MR-16	13.8	3150K
EJA	150	N/A	40hrs	GX5.3	MR-16	21	3350K
EJL	200	N/A	50hrs	GX5.3	MR-16	24	3400K
EJM	150	N/A	40hrs	GX5.3	MR-16	21	3350K
EJV	150	N/A	40hrs	GX5.3	MR-16	21	3350K
EJY	80	N/A	25hrs	GX5.3	MR-16	19	3400K
EKE	150	N/A	200hrs	GX5.3	MR-16	21	3205K
EKG	80	N/A	25hrs	GX5.3	T-3	19	3400K
EKP/ENA	80	N/A	25hrs	GX5.3	MR-16	30	3350K
EKP/ENA	80	N/A	25hrs	GX5.3	MR-16	30	N/A
EKX	200	N/A	25hrs	GX5.3	MR-16	24	3400K
EKZ	30	N/A	200hrs	GX5.3	MR-16	10.8	3100K
ELB	80	N/A	18hrs	GX5.3	MR-16	30	3400K
ELC	250	N/A	50hrs	GX5.3	MR-16	24	3400K
ELD/EJN	150	N/A	40hrs	GX5.3	MR-16	21	3350K
EMC	100	N/A	200hrs	GX5.3	MR-16	12	3200K
EML	175	5000	125hrs	GX5.3	T-4	24	3200K
ENL	50	N/A	4000hrs	GX5.3	MR-16	12	3050K
ENW/ENC	80	N/A	200hrs	GX5.3	MR-16	19	3200K
ENZ	50	N/A	25hrs	GX5.3	MR-16	30	3450K
EPK	80	N/A	18hrs	GX5.3	MR-16	30	3350K
EPN	35	N/A	50hrs	GX5.3	MR-16	12	3300K
EPT	42	N/A	10000hrs	GX5.3	MR-16	10.8	2900K
EPV	90	N/A	500hrs	GX5.3	MR-16	14.5	3150K
EPX	90	N/A	500hrs	GX5.3	MR-16	14.5	3150K
EPZ	50	N/A	1000hrs	GX5.3	MR-16	13.8	3150K
ERV	340	N/A	75hrs	GX5.3	MR-16	36	3300K
ESC	200	N/A	25hrs	GX5.3	MR-16	24	3400K
EWf	200	N/A	50hrs	GX5.3	MR-16	24	3300K
EXP	35	N/A	50hrs	GX5.3	MR-16	12	3300K
EXS	200	N/A	50hrs	GX5.3	MR-16	30	3300K
EXW	300	N/A	15hrs	GX5.3	MR-13	82	3450K
EYJ	75	N/A	4000hrs	GX5.3	MR-16	12	3050K
EYK	300	N/A	60hrs	GX5.3	MR-16	120	3300K
EZA	30	N/A	1000hrs	GX5.3	MR-16	6.6A	2900K
EZC	45	N/A	1000hrs	GX5.3	MR-16	6.6A	2950K
EZE	150	N/A	150hrs	GX5.3	MR-13	82	3205K
EZF/EZJ	225	N/A	500hrs	GX5.3	MR-13	68	N/A
FHS	300	N/A	70hrs	GX5.3	MR-13	82	3300K
FHX	25	N/A	250hrs	GX5.3	MR-16	13.8	3200K
FJX	30	N/A	500hrs	GX5.3	MR-16	13.8	3150K
FML	50	N/A	1000hrs	GX5.3	MR-16	13.8	3150K

SECTION 61 AV PHOTO LAMPS GX5.3 (Cont.)

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
FRA	35	N/A	3000hrs	GX5.3	MR-16	12	3000K
FRB	35	N/A	3000hrs	GX5.3	MR-16	12	3000K

SECTION 62 AV PHOTO LAMPS GX17Q

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
DCA	150	N/A	15hrs	GX17Q	T-12	21	3205K
DCW	150	N/A	50hrs	GX17Q	T-10	24	3050K
DFE	80	N/A	15hrs	GX17Q	T-12	30	3400K
DLD/DFZ	80	N/A	15hrs	GX17Q	T-14	30	3400K
DLS/DLG/DHX	150	N/A	15hrs	GX17Q	T-14	22	3205K
DSW	200	N/A	25hrs	GX17Q	T-14	24	3300K

SECTION 63 AV PHOTO LAMPS GX6.35

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
64501	150	4500	25hrs	GX6.35	T-4	120	3400K
64512	300	9500	15hrs	GX6.35	T-5	120	3400K
64535	650	20000	15hrs	GX6.35	T-8	120	3400K
64535	650	20000	15hrs	GX6.35	T-8	120	3400K
64540	650	20000	15hrs	GX6.35	T-8	230	3400K
64573	1000	33000	15hrs	GX6.35	T-8	120	3400K
64573	1000	33000	15hrs	GX6.35	T-8	120	3400K
64575	1000	33000	15hrs	GX6.35	T-8	230	3400K
BVM	650	20000	15hrs	GX6.35	T-7	230	3400K

SECTION 64 AV PHOTO LAMPS GX7.9

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
DNF	150	N/A	25hrs	GX7.9	MR-16	21	3400K
ELE	80	N/A	20hrs	GX7.9	MR-14	30	3400K
ELS	50	N/A	650hrs	GX7.9	MR-14	16	3100K
ELS/ELR	50	N/A	650hrs	GX7.9	MR-14	16	3100K
ELT	80	N/A	20hrs	GX7.9	MR-14	30	3400K
ELV	150	N/A	100hrs	GX7.9	MR-18	21	N/A
ELZ	150	N/A	60hrs	GX7.9	MR-18	21	N/A
EMM/EKS	250	N/A	50hrs	GX7.9	MR-14	24	3400K
EPF	80	N/A	100hrs	GX7.9	MR-14	30	3200K
EPG	80	N/A	100hrs	GX7.9	MR-14	21	3300K

SECTION 65 AV PHOTO LAMPS GY5.3

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
ENG	300	N/A	15hrs	GY5.3	MR-16	120	3450K
EPW	360	N/A	75hrs	GY5.3	MR-16	100	3205K
ESD	150	N/A	12hrs	GY5.3	MR-16	120	3350K
ESH	85	N/A	250hrs	GY5.3	MR-16	82	2950K
ESJ	85	N/A	40hrs	GY5.3	MR-16	82	3350K
ETJ	250	N/A	175hrs	GY5.3	MR-16	120	3300K
EVW	250	N/A	50hrs	GY5.3	MR-16	82	3300K
EWG	300	N/A	35hrs	GY5.3	MR-16	120	3350K

SECTION 65 AV PHOTO LAMPS GY5.3 (Cont.)

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
EYA	200	N/A	50hrs	GY5.3	MR-16	82	3300K

SECTION 66 AV PHOTO LAMPS GY9.5

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
64654 HLX	250	900	300hrs	GY9.5	T-4	24	N/A
BVA	900	N/A	75hrs	GY9.5	T-4	120	3300K
DDJ/DZZ	80	1700	1000hrs	GY9.5	T-3	10	3150K
DDP	132	3600	125hrs	GY9.5	T-4	22	3205K
EGZ	500	N/A	100hrs	GY9.5	T-6	120	3200K
EKL	150	4650	40hrs	GY9.5	T-3	21	3350K
EMG	500	N/A	60hrs	GY9.5	T-6	220	3200K
EYL	100	2900	50hrs	GY9.5	T-3 1/4	12	3300K
FDS	150	4500	50hrs	GY9.5	T-4	24	3400K

SECTION 67 AV PHOTO LAMPS G22

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
BKD	750	18000	150hrs	G22	T-7	120	3200K

SECTION 68 AV PHOTO LAMPS G3.18

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
EPL	250	7500	6hrs	G3.18	T-3	30	3400K
FLD	50	N/A	1000hrs	G3.18	T-3.5	13.8	3240K

SECTION 69 AV PHOTO LAMPS G38

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
BCM	20000	580000	350hrs	G38	T-32	230	3200K
DCT	2000	47000	1000hrs	G38	T-10	120	3050K

SECTION 70 AV PHOTO LAMPS G7.9

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
BHB	250	N/A	25hrs	G7.9	MR-14	120	3350K
DNE	150	N/A	12hrs	G7.9	MR-16	120	3350K

SECTION 71 AV PHOTO LAMPS G9.5

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
1000T6	1000	N/A	2000hrs	G9.5	T-6	120	3200K

SECTION 72 AV PHOTO LAMPS GX9.5

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
FRE	650	15000	400hrs	GX9.5	T-8	120	3050K

SECTION 73 AV PHOTO LAMPS GY16

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
FTL	2000	54000	400hrs	GY16	BT-13	240	3200K
FTM	2000	54000	400hrs	GY16	T-13	220	3200K

SECTION 74 AV PHOTO LAMPS GY6.35

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
FDX	100	2900	50hrs	GY6.35	T-3.5	12	3300K
FLW	300	10200	50hrs	GY6.35	T-4	24	3500K

SECTION 75 AV PHOTO LAMPS GY9.3

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
EKN	120	N/A	120hrs	GY9.3	MR-16	17.7	3200K

SECTION 76 AV PHOTO LAMPS GZ4

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
FLS	28	N/A	1000hrs	GZ4	MR-11	12	3000K
FLT	25	N/A	500hrs	GZ4	MR-11	13.8	3050K
FTA	12	N/A	2000hrs	GZ4	MR-11	12	2900K

SECTION 77 AV PHOTO LAMPS GZ6.35

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
64637	100	N/A	1500hrs	GZ6.35	MR-16	12	N/A
62138 HLX	100	N/A	25hrs	GZ6.35	T-3	12	N/A
64635 HLX	150	N/A	50hrs	GZ6.35	MR-16	15	N/A
EFM	50	N/A	50hrs	GZ6.35	MR-16	8	3300K
EFN	75	N/A	50hrs	GZ6.35	MR-16	12	3350K

SECTION 78 AV PHOTO LAMPS GZ9.5

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
BHC/DYS	600	17500	75hrs	GZ9.5	T-6	120	3200K
BHC/DYS/DYV/LL	600	14500	250hrs	GZ9.5	T-6	120	3100K
BHC/DYS/DYV-5	600	17500	75hrs	GZ9.5	T-6	125	3200K
BVE	600	N/A	75hrs	GZ9.5	T-6	120	3200K
DYR-220	650	16500	50hrs	GZ9.5	G-7	220	3200K
DYR-240	650	16500	50hrs	GZ9.5	G-7	240	3200K
DYS/DYV/BHC	600	17000	75hrs	GZ9.5	G-7	120	3200K
DYS/DYV/BHC-5	600	15500	150hrs	GZ9.5	T-6	126	3200K
DZE	150	4000	100hrs	GZ9.5	T-4	24	3300K
DZE/FDS	150	4500	100hrs	GZ9.5	T-4	24	3205K
EHA	500	N/A	50hrs	GZ9.5	T-6	120	3300K
EVV	120	3150	500hrs	GZ9.5	T-4	6.6A	3200K
EWR	150	4100	500hrs	GZ9.5	T-4	6.6A	3200K
EXL	30	375	1000hrs	GZ9.5	T-3.5	6.6A	2900K
EXM	45	750	1000hrs	GZ9.5	T-3.5	6.6A	2950K
EZL	200	5000	500hrs	GZ9.5	T-4	6.6A	3100K

SECTION 79 AV PHOTO LAMPS GZX4

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
64255	20	N/A	50hrs	GZX4	MR-11	8	N/A

SECTION 80 AV PHOTO LAMPS MS

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
FBW	350	10500	6hrs	MS	T-4	30	3400K

SECTION 81 AV PHOTO LAMPS P28S

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
8032	100	N/A	100hrs	P28S	T-9	12	N/A
BFE	750	1700	200hrs	P28S	T-20	120	3000K
BFK/BFL	750	1700	200hrs	P28S	T-20	120	3000K
BTL	500	11000	500hrs	P28S	T-6	120	3050K
CVX/CSV	200	4400	25hrs	P28S	T-10	120	3100K
CXY	300	7300	25hrs	P28S	T-10	120	3100K
CZX/DAB	500	12500	25hrs	P28S	T-10	115-120	3200K
DDB	750	19500	25hrs	P28S	T-12	115-120	3205K
DEB	500	9000	800hrs	P28S	T-12	120	2850K
DFD	1000	31000	10hrs	P28S	T-12	120	3350K
DFT	1000	27400	25hrs	P28S	T-12	120	3205K
DGH	750	15000	500hrs	P28S	T-12	120	3050K
DNV/FME	1000	27500	200hrs	P28S	T-7	120	3200K
DPJ	750	19500	25hrs	P28S	T-20	120	3200K
DRB	1000	32000	25hrs	P28S	T-20	115-120	3350K
DRC/DRB	1000	32000	25hrs	P28S	T-20	115-120	3350K
DRC	1000	30000	50hrs	P28S	T-20	120	3205K
DRS	1000	28500	25hrs	P28S	T-20	120	3325K

SECTION 82 AV PHOTO LAMPS P30D

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
BGB/BGK	.75A	30	50hrs	P30D	T-8	4	2800K
BTD	.20A	15	50hrs	P30D	T-5	7	2685K

SECTION 83 AV PHOTO LAMPS P30S

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
BAK	.75A	30	200hrs	P30S	T-5	4	2800K
BRK	.75A	30	50hrs	P30S	T-5	4	2800K
BRS	.75A	30	50hrs	P30S	T-5	4	2800K
BSK	1.0A	70	100hrs	P30S	T-5	6	2860K
BSS/BSB	1.0A	70	100hrs	P30S	T-5	6	2860K
BSW	.20A	13	50hrs	P30S	T-5	7	2685K
BVS/BVK	6	550	50hrs	P30S	T-8	5	2950K
BXB	4A	690	100hrs	P30S	T-8	8.5	N/A
BXN	50	900	100hrs	P30S	T-8	10	N/A
CXL/CXR	50	N/A	25hrs	P30S	T-10	8	3200K

SECTION 84 AV PHOTO LAMPS P40S

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
CZG	2000	50000	300hrs	P40S	T-11	220	3200K
DPW	1000	28000	50hrs	P40S	T-20	120	3200K
DSB	1000	28500	25hrs	P40S	T-20	120	3225K

SECTION 85 AV PHOTO LAMPS PG22

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
64251 HLX	20	500	100hrs	PG22	T-3	6	N/A
64260	30	800	50hrs	PG22	T-3	12	N/A

SECTION 85 AV PHOTO LAMPS PG22 (Cont.)

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
64621 A	100	750	2000hrs	PG22	T-3	12	N/A
EHE/64626 HLX	100	3600	50hrs	PG22	T-4	12	N/A

SECTION 86 AV PHOTO LAMPS PLUG

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
EZG-GEMINI-300	300	N/A	75hrs	PLUG	PAR 20	35	6000K
EZT MARC-350/16T	350	N/A	50hrs	PLUG	PAR 24	45	5000K

SECTION 87 AV PHOTO LAMPS RSC-R7S

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
BRH	1000	30000	75hrs	RSC-R7s	T-6	120	3350K
BSH	500	9500	2000hrs	RSC-R7s	T-2.5	240	3000K
DDN	200	5000	100hrs	RSC-R7s	T-3	20	3150K
DVS	500	10500	2000hrs	RSC-R7s	T-3	130	3000K
DWY	650	20000	18hrs	RSC-R7s	T-4	120	3400K
DXV	800	24800	15hrs	RSC-R7s	T-5	230	3400K
DXX-230	800	20500	90hrs	RSC-R7s	T-4	230	3200K
DXX-240	800	20500	90hrs	RSC-R7s	T-4	240	3200K
DYC	1000	33000	15hrs	RSC-R7s	T-4	240	3400K
DYD	1500	3300	2000hrs	RSC-R7s	T-2.5	240	N/A
DZX	1000	22000	2000hrs	RSC-R7s	T-2.5	240	3050K
EKM	1000	25000	200hrs	RSC-R7s	T-4	225	3200K
ELJ	1050	30000	75hrs	RSC-R7s	T-5	120	3200K
ETT	1000	N/A	70hrs	RSC-R7s	T-5	120	3350K
FAL	420	11000	90hrs	RSC-R7s	T-4	120	3200K
FCA	650	19000	35hrs	RSC-R7s	T-4	120	3400K
FCB	600	17000	120hrs	RSC-R7s	T-4	120	3205K
FCK	170	4250	100hrs	RSC-R7s	T-3.5	20	3150K
FDA	400	10400	250hrs	RSC-R7s	T-6	120	3200K
FDG	1000	33000	15hrs	RSC-R7s	T-4	225	3400K
FEA	600	15000	75hrs	RSC-R7s	T-5	240	3200K
FFJ	600	17000	85hrs	RSC-R7s	T-4	120	3205K
FFM	420	11000	90hrs	RSC-R7s	T-4	120	3200K

SECTION 88 AV PHOTO LAMPS TRUFOCUS

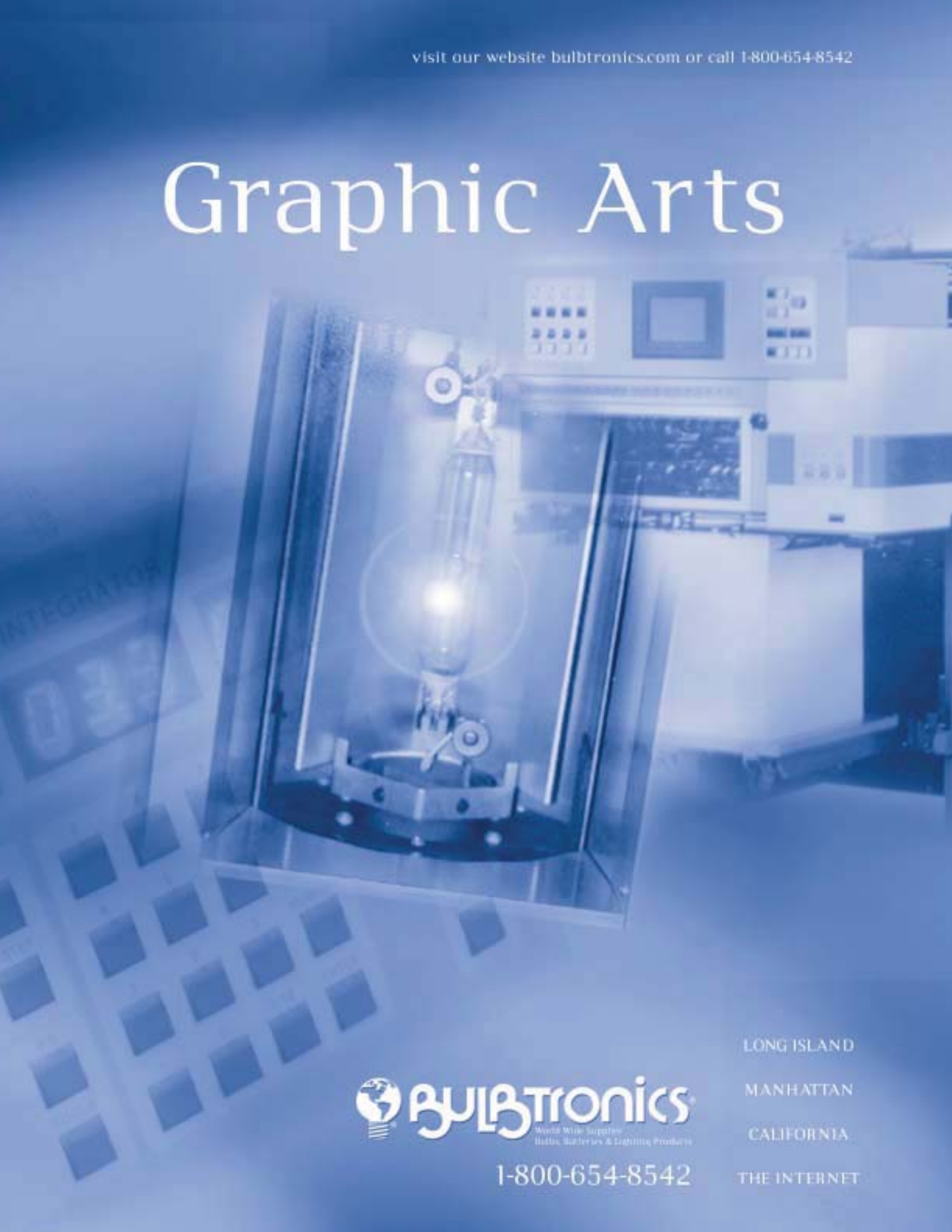
ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
EPR	500	N/A	50hrs	TRUFOCUS	T-6	120	3205K

SECTION 89 AV PHOTO LAMPS WIRE TERMINALS

ORDERING CODE	WATTS	LUMENS	LIFE	BASE	BULB SHAPE	VOLTS	C-TEMP
PXA 50	4000	125000	N/A	WIRE TERMINAL, CERAMIC CAPS	T-3	210	N/A
PXA 80	8000	240000	N/A	WIRE TERMINAL, CERAMIC CAPS	T-3	N/A	N/A

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Manufacturer	Unit model	Mfr. no.	Ordering Code
AB Dick (Lamps)	145, 155 Exposure	JP125800	JP125800
	148	JP220V500WE	WQ500T3 CL 220v
	155-Heater	1600T3-240V	1600T3240V
	157-Exposure	JP125500	JP125500
Addalux	2 K W Diazo	1406-01	140601
	2 K W Mercury (Photo Polymer)	1406-02	140602
	5 K W Diazo	1406-04	140604
	5 K W Plus	1407-07	140607
	5 K W Mercury (Photo Polymer)	1406-05	140605
	1300 K W	1406-06	140606
AGFA-Gevaert	MK 3-Camera		FCL
	C 66		EFP
	1230- Camera	JP225V550WC	JP225V550WC
	RPS 1200, 1300, 1600	12548	1201
	2024-Camera-Super Automatic	11 F20-22	13477R
	2001, 2100, 2200, 2800- Repromaster	12521	1230
	Helio Print Platemaker		HPR125W
Amergraph	Magnum 30, 32, 2KW	10266	140601
	Magnum 43, 45	10048	140602
	Magnum 281, 1.2KW	10431	224009
	Magnum 437, 457	10265	224010
Ascort (Berkey, Paco)	A1146B Camera Lamp Assy	1122-70	XOP15
	A1144A Camera Lamp Assy	1106-12	XOP15
	A1147 Box Light Assy		XOP15
	AL1124E Box Light Assy		XOP15
	AL1128A Box Light Assy		XOP15
	A1149B Camera Lamp Assy		XOP15
	L1126A Strip Lights	1106-24	UPX47
	A1150C Printing Lamp Assy		UPX47
	L1116A Strip Lights		UPX47
	A1151S Small Source Printing Lamp	1107-07	PXA50
	A1152S High Power Printing Lamp	1106-52	PXA80
	11060C	XOP7	
Brown	BN2000		DXN
	BN2000, 3000, 4000, Camera	2-1409-000 600W	FCB
	BM2000, 3000, 4000, 26, 26SP	2-91702-000 1000W	DXN
	MP2-2528, MP1, 1000, 1500, 1500TT		214559000
	Ultra-Lite 5000		214460000
	Ultra-Lite 8 Dual Ultra-Lite 2500		214560000
	Spectramatic 650W BN8046P		DWY
Burgess Lamps	1601-12, -13, -14, -49, -51, -53, -57	754-18013	140601
	1601, -18, 1601-18-50	754-18014	140602
	1401-11, -21, -52, -53, 1601-22, -02, -64, -50	754-18025	MHL1403
	1601-48, -58	754-18015	140601
	1601-65, -65, -50	754-18016	140605
	1601-17, -07, -08, -09		140606
	5KW	754-18017	140607
	Western	1406-457	1406457
	1106-06	750W	XOP7
Colortran	176001		FAD

Manufacturer	Unit model	Mfr. no.	Ordering Code
Colortran (Cont.)			
	176008		DXX
	176036	XOP7	XOP7
	178037	XOP15	XOP15
DS America			
	Dainippon-DS P806-6		PXM4200W
	Multispectrum		PXM4000W
	Scanner-Model 608, 808		64151
	Camera Lamps	75W 12V	EFN
	Camera Lamps	800W 240V	13477R
	Camera Lamps	1000W 120V	FEL
	Camera Lamps	750W 220V (71/2 MOL)	J220V 750WB1
	Capillary Lamps	3000W	85-0003
	Xenon Lamps	150W	UXL150MO
			XBO150WCR
			64151BULLET
	Step & Repeat		
	Step & Repeat	PCB01 G-RDSM3.8KG	
Data Graphix			
	14A		ELS ELR
	14B		ELS ELR
Itek			
	1117, 1218, 11800, 400, 1518	190682001	Q500T2122CL
	430 (top)	19253101	DYH
	435 (bottom)		FDFBFG
	175, 275 Exposure Lamp		FCL
	615E, 613, 185, 615S, 617S, 622S, 174	190682001	Q500T2122CL
			FCL
	560		DVY
Kenro			
	187, 240, 241		Q500T2122CL
	7000-100, 7350-000, 2700, 3700, 4150, 7100, 740		EHR
	2600		ESS
	320		FCA
	186 Superbeam		EHZ
	V 186 K-Lites		EHM
	187K, 241, 243, 4800 Superbeam		FCZ
	V18, V24, V184, V185, V240, V243, 187, 241		FCL
	2750		FAD
MacBeth			
	Mark 50-XL Printing Lamp		PXA50
	Mark 50-HL Printing Lamp		PXA50
	Mark 50-UL Printing Lamp		PXA50
	AA24-VL		UPX47
	AA7-07-28CB Camera Lamp		XOP7
	MX22C Camera Lamp		XOP7
	AA12-TQ-60 CB Camera Lamp		XOP15
	1504 Camera Lamp		1500IQ
	20115023	20115023	F14T12GL50
	20115024	20115024	20115024
Multigraphics			
	835 Exposure	JP125 500	JP125500
	875, 885 Exposure	JP125 800	JP125800
	875, 885 Heater	1600T3-240V	1600T3240V
NuArc			
	FT26V3UP		222002
	FT32V3UP	HT121	222002
	FT40V3UP		222002

Manufacturer	Unit model	Mfr. no.	Ordering Code
NuArc (Cont.)			
	3K, 3000 Watt Instant Start, Exposure Head		222002
	FT26V3UPNS		222003
	FT32V3UPNS	KM5	222003
	FT40V3UPNS		222002
	FT40UP	JQ30	224006
	FT46UP, FT52UP	FS90	224006
	FT40AP (Single Side)	LY33	224007
	FT40APNS (2-Sided)		224007
	FT40UPNS		224003
	FT46UPNS	HQ89	224003
	FT52UPNS		224003
	FT40V6UP	KT98	MHL38KT
	FT46V6UP		MHL38KT
	FT52V6UP	KT79	224001
	FT40V6UPNS		224001
	FT46V6UPNS		224001
	FT52V6UPNS		224001
	6K 6000 Watt Instant Start Exposue Head		224001
	FT26V2UP2KW	HT28	222001
	FT40V2UPNS	HT28	222001
	4kw Instant Start	JP33, 32	224005
	6KW	KT38	225001
	FT26L, FT32L	CN42, VE357	PXA50
	FT40L, FT52L, NU8000P Double Tube	CU71, VE 409, CU66	PXA80
	HTN37N750 1KW, 321K, 9LC, N1000, N1000SP, N7501, N7502, NCP22, NCP28, VIP18, VIP26, VIP26NS, FT18V, FT26V, FT26VSP, FT26VNS, FT26VNSLSP, FT26VNSSP, FT40LNS, FT52LNS	GW114, VE659	221114U
	261K, 261KSP, 401K, 401KSP	NP4, NP80, NP84	222004
	VE677, N1500, FT18L	HE15	UPX56
	1418, 2024, 3200, 4800 (800w)	DXX	DXX
	1418 (650w)	VE366	FAD
	1418 (420W)	VE479	FFM
	Camera Lamps BBC 1418, BBC 1418-2	VE959	ENH
	Camera Lamps SST 1418-3, SST 1418-1-3	VE598	EHP
Nuco			
	215 Exposure	JP125800	JP125800
	375 Exposure	JP125800	JP125800
	215 Heater	1600T3-240V	1600T3 240V
	375 Heater	1600T3-240V	1600T3 240V
	1218 Exposure	JP125500	JP125500
Olec (Olite)			
	AL25, AL19	L1150A	L1150A
	AL100, AL100A	L1250	L1250
	Match Print Light Frame LL250M3	AL100M	L1250M
	ALI KT	LI K3	64573
	ALI KT, ALKTQ	ALK5	BRH
	ALI6P	L6C2	FCB
	ALI CP, ALI CX	LI CP	64623HLX
	Print Lite-AL 35, 53, 100	LI261	L1261
	Olec 900	L900	L900
Sandmar			
	PL53	RL3022	HPM17
	1000, 1200, 2411	JA2547	221114U
	RP2820	L1250	L1250
Sandmar (Cont.)	RP3350	L1250	L1250

Manufacturer	Unit model	Mfr. no.	Ordering Code
	3350D	L1250	L1250
	PL25	L1250	L1250
	PL50	L1250	L1250
	PL53	L1250	L1250
	L125M Matchprint	L1250M	L1261
	T1218	520-E	BBA
Simon Omega			
	471-029		ELC
	471-033		EJV
	471-900		EYA
Smith Victor			
	SV591		DYH
	SV592		DYH
	SV403-004		DYH
Theimer			
	2120, 2150, 2152 Spektra-Proof 1000W	TH1000 (820190)	MHL1000
	2300 Spektra-Proof 3000W Multi- Spectrum	THS3007 (820397)	MHL3007S
	2323 Spectra-Proof 3000W Diazo	TH3000 (820390)	MHL30015
	"2502, 2522"	THS5000 (820590)	MHL5000S
	2520 Spektra-Proof 5000W Multi-Spectrum	TH5007 (820597)	225007
	Violux 1000 Series Multi-Spectrum	TH1007 (820197)	221007
	"1050, 1054, 1058 Violux"	THS1507 (823197)	THS1507
	Violux Super Series	THS8027 (821897)	MHL8027S
	Violux 3002 S Multi-Spectrum	THS3027 (821397)	MHL3027S
	Violux 3002 S(Diazo)/ 3002	THS3020 (822390)	MHL3020S
	Violux 5002 S Diazo	THS5020 (822590)	MHL5020S
	Violux 5002 Series Multi Spectrum	THS5027 (822597)	MHL5027S
	Violux 5000S Diazo	THS5000 (820590)	MHL5000S
	Montakop 3002 Series Multi-Spectrum	THS3027 (821397)	MHL3027S
	Montakop 3002 Series Diazo	THS3020 (822390)	MHL3020S
	Montakop 3700 Series	THS2117 (822297)	S2117
	Violux Series (Multi-Spectrum)	THS2117 (822297)	S2117
	Theimer Lamp for Agfa Platemaker	THS2117 (822297)	S2117
	TH2000	(820200)	140601
	TH2008	(820208)	140602
	TH5010	(821500)	140604
	TH5017	(821507)	140607
	TH5018	(821508)	140605
	2030		HPM15
	34003	KX10 (823110)	PXA45
	34005	KX22 (823210)	UPX46
	34006	KX259 (865112)	KX259
	34007	KX30 (821310)	UP47
	34207	KX150 (820811)	PXA80
	34207	KX150 (820811)	PXA80
	34308	KX13 (820210)	KX13
	34316	KX9 (822110)	KX9
	34403	KX237 (822512)	KX237
3M-Camera Lamps			
	78-8000-5269		DYSDYVBHC
	78-8002-1775		FCS
	78-8454-3461		FAL
3M-Match Prints			
	11-Western Litho Multi-Spectrum		1406457
Tobias			
	Akulite		MP3000T86J

Manufacturer	Mfr. no.	Ordering Code
SCANNER FOR COLOR SEPARATION		
Royal Zenith, Crossfield	2005	XBO150WCR
Hell		BRL
SCANNER		
Optronix	Cermax-LX300F	PE300BF
Kodak	Cermax-LX300F	PE300BF
Howtek	Cermax-LX300F	PE300BF
Autologic	Cermax-LX300F	PE300BF

PAPER CUTTER				
Manufacturer	Volts	Watts	Base	Ordering Code
Lawson				
	24V	45W	BA15S	OS 7669
	24V	35W	BA15S	OS 7668
Polar				
Model 115CE	6V	5W	BA15D	BT70501
		13W	G5	L13W25
	12V	35W	BA15D	842008
	24V	50W	BA15D	945042
Triumph				
	12V	10W	Festoon	6411
Miscellaneous Paper Cutters				
	12 V	35W	BA15D	842008
	24V	50W	BA15D	945042
	12V	25W	BA15S	70515
	24V	25W	BA15S	7597
	24V	45W	BA15S	7669
	5W	6V	BA15D	BT70501

Photographic Lamps	Part #	Watt/Amps	Volt
	BAB	20	12
	BAK	.75A	4
	BCK	500	120
	BEY	100	20
	BHD/BHF	100	20
	BLC	30	115-125
	BLK	30	120-130
	BMV	100	115-120
	BRH	1000	120
	BRK	.75A	4
	BRL	50	12
	BRN	1200	120
	BRR	1000	120
	BRS	.75A	4
	BRX	1A	6
	BSK	1A	6
	BSS/BSB	1A	6
	BSW	.20A	7
	BTD	.2A	7
	BVA	900	120

	Part #	Watt/Amps	Volt
Photographic lamps (Cont.)	BVE	625	120
	BVR	30	120
	BXB	4A	8.5
	BXE	7.5A	10
	CAL	300	120
	CAR	150	120
	CAS/CAV	50	120
	CAX	50	115-125
	CBA	500	120
	CBX/CBS	75	115-125
	CCM/CHD	200	115-125
	CDD	100	120
	CDJ	100	115-125
	CDS/CDX	100	115-125
	CEB	100	115-125
	CEM	120	120
	CEW/CFG	150	115-125
	CLS/CLG	300	120-125
	CTT/DAX	1000	115-125
	CWD	300	115-125
	CXK	300	115-125
	CXR/CXL	50	8
	CYC	300	120
	CYS	1200	115-125
	CZA/CZB	500	120
	CZX/DAB	500	120
	DAH	500	120
	DAT/DAK	400	120
	DAY/DAK	500	120
	DCW	150	24
	DDB	750	120-125
	DDJ/DZZ	80	10
	DDK	80	19
	DDL	150	20
	DDM	80	19
	DDN	200	20
	DDP	132	22
	DDS	80	21
	DDY	750	120
	DED	85	13.8
	DEK/DFW/DHN	500	120
	DFD	1000	120-125
	DFF	150	120
	DFT	1000	120-125
	DFY	1000	115-125
	DGF	500	120
	DGH	750	120
	DHT	1200	115-120
	DJT	50	13.8
	DLD/DFZ	80	30
	DLN	750	120
	DLS/DLG/DHX	150	22
	DMX	500	115-120
	DNE	150	120
	DNF	150	21
DPT	1000	115-120	
DRB	1000	115-120	
DRC	1000	120	
DRS	1000	120	

	Part #	Watt/Amps	Volt
Photographic Lamps (Cont.)	DTJ	1500	115-120
	DWZ	375	30
	DXC	500	115-120
	DYH	600	120
	DYP	600	120
	DYR	650	240
	DYS/DYV/BHC	600	120
	DYT	80	19
	DZA	30	10.8
	DZB	100	12
	DZE/FDS	150	24
	EBV	500	115-120
	EBW	500	115-120
	EFM	50	8
	EFN	75	12
	EFP	100	12
	EFR	150	15
	EGX	500	120
	EHA	500	120
	EHJ	250	24
	EHJ	150	21
	EJA	150	21
	EJL	200	24
	EJM	150	21
	EJN/ELD	150	21
	EJV	150	21
	EJY	80	19
	EKB	420	120
	EKE	150	21
	EKG	80	19
	EKN	120	17.5
	EKS/EMM	250	24
	EKX	200	24
	EKZ	30	10.8
	ELA	65	19
	ELB	80	30
	ELC	250	24
	ELE/ELT	80	30
	ELH	300	120
	ELS/ELR	50	16
	EMC	100	12
	EML	175	24
	ENG	300	120
ENH	250	120	
ENL	50	12	
ENW/ENC	80	19	
ENX	360	82	
ENZ	50	30	
EPR	500	120	
EPS	500	240	
EPT	42	10.8	
EPV	90	14.5	
EPX	90	14.5	
EPZ	50	13.8	
ERC	25	14	
ERV	340	36	
ESA/FHD	10	6	
ESB	20	6	
ESD	150	120	

	Part #	Watt/Amps	Volt
	ESJ	85	82
Photographic Lamps (Cont.)	ESX	20	12
	EVA	100	12
	EVB/BRJ	150	15
	EVW	250	82
	EXN	50	12
	EXR	300	82
	EXT	50	12
	EXW	300	82
	EXZ	50	12
	EYB	360	82
	EYC	75	12
	EYF	75	12
	EYH/FKT	250	120
	EYK	300	120
	EYS	42	12
	EZE	150	82
	FAL	420	120
	FBD/FBG	500	120
	FCB	600	120
	FCK	170	20
	FCR	100	12
	FCS	150	24
	FDT	100	12
	FDV	150	24
	FDX	100	12
	FFJ	600	120
	FFM	420	120
	FHR	50	12
	FHS	300	82
	FHV	150	32
	FHX	25	13.8
	FJX	30	13.8
	FKY	9	6
	FLS	28	12
	FLT	25	13.8
	FML	50	13.8

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#	Product Part# & Description	Cost Part#	Sale Unit	Unit Price	Net Qty	Sub Total
1	2284700 Mfg Part#: 64700FL500T3Q/CL, Mfg: OSRAM SYLVANIA, Volts: 120V, Watts: 500W		1	\$5	1	\$5
2	21MSR575 Mfg Part#: MSR575Q, Mfg Product Code: 245282, Mfg: PHILIPS, Trade Name: MSR		1	\$7	1	\$7
3	20EKE Mfg Part#: EKE, Mfg: OSRAM SYLVANIA, Volts: 120V, Watts: 150W		1	\$5	1	\$5
Total Purchases:		\$84.26				
Shipping:		TBD				
Order Total:		TBD				

Payment Method:	American Express
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CardHolder's Name:	Joe Dealer
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WIRELESS MICS	175-178	VARTA	
X-RAY EQUIP	195-200	YUASA	

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ORDERING CODE	SIZE	VOLTS	CAPACITY(mAh)	DIMENSIONS(Inch)	WEIGHT(oz)	ANSI, NEDA, IEC	X-REF	BOX/CART/CASE
DCPC1300	D	1.5	15000-17000	1.346 x 2.421	4.86	13AC, 13A, LR20	EN95, RV813, AM-1	12/72
DCPC1400	C	1.5	7000-8000	1.031 x 1.969	2.29	14AC, 14A, LR14	EN93, RV814, AM-2	12/72
DCPC1500	AA	1.5	2200-2600	.571 x 1.988	0.83	15AC, 15A, LR6	EN91, RV815, AM-3	4/24/144
DCPC2400	AAA	1.5	850-1100	.413 x 1.752	0.39	24AC, 24A, LR03	EN92, RV824, AM-4	4/24/72
DCPC1604	9V	9	550-600	.689x 1.043 x 1.909	1.62	1604AC, 1604A, 6LR61	EN22, RVA1604, 6AM-6	12/72

DURACELL COPPER TOP ALKALINE BULK

ORDERING CODE	SIZE	VOLTS	CAPACITY(mAh)	DIMENSIONS(Inch)	WEIGHT(oz)	ANSI, NEDA, IEC	X-REF	BOX/CART/CASE
DCMN1300	D	1.5	15000-17000	1.346 x 2.421	4.86	13AC, 13A, LR20	E95, AM-1PAI	12/72
DCMN1400	C	1.5	7000-8000	1.031 x 1.969	2.29	14AC, 14A, LR14	E93, AM-2PAI	12/72
DCMN1500	AA	1.5	2200-2600	.571 x 1.988	0.83	15AC, 15A, LR6	E91, AM-3PAI	24/96
DCMN2400	AAA	1.5	850-1100	.413 x 1.752	0.39	24AC, 24A, LR03	E92, AM-4PAI	12/48
DCMN1604	9V	9	550-600	.689 x 1.043 x 1.909	1.62	1604AC, 1604A, 6LR61	E22, 6AM-6PAI	12/48

DURACELL COPPER TOP ALKALINE

ORDERING CODE	SIZE	QTY PER CARD	VOLTS	CARDS PER CASE
DCMN1300B2Z	D	2	1.5	48
DCMN1300R4Z	D	4	1.5	12
DCMN1300V8	D	8	1.5	12
DCMN1400B2Z	C	2	1.5	48
DCMN1400R4Z	C	4	1.5	12
DCMN1400V8	C	8	1.5	12
DCMN1500B2Z	AA	2	1.5	56
DCMN1500B4Z	AA	4	1.5	56
DCMN1500B8Z	AA	8	1.5	48
DCMN1500B12Z	AA	12	1.5	24
DCMN2400B2Z	AAA	2	1.5	54
DCMN2400B4Z	AAA	4	1.5	56
DCMN2400B8Z	AAA	8	1.5	40
DCMN2400B12Z	AAA	12	1.5	40
DCMN2400V12	AAA	12	1.5	24
DCMN1604B1Z	9V		9	48
DCMN1604B4	9V	4	9	48
DCMN1604V4	9V	4	9	24

DURACELL ULTRA ALKALINE

ORDERING CODE	SIZE	VOLTS	DIMENSIONS(Inch)	WEIGHT(oz)	ANSI, NEDA, IEC	X-REF	BOX/CART/CASE
DCMX1300	D	1.5	1.346 x 2.421	4.86	13AC, 13A, LR20	EV X95RP	12/72
DCMX1400	C	1.5	1.031 x 1.969	2.29	14AC, 14A, LR14	EV X93RP	12/72
DCMX1500	AA	1.5	.571 x 1.988	0.83	15AC, 15A, LR6	EV X91RP	4/24/144
DCMX2400	AAA	1.5	.413 x 1.752	0.39	24AC, 24A, LR03	EV X92RP	24/72
DCMX1604	9V	9	.689 x 1.043 x 1.909	1.62	1604AC, 1604A, 6LR61	EV X22RP	12/72

ALKALINE CELLS (Cont.)

DURACELL ULTRA ALKALINE CARDED

ORDERING CODE	SIZE	QTY PER CARD	VOLTS	CARDS PER CASE
DCMX1300B2Z	D	2	1.5	48
DCMX1300R4Z	D	4	1.5	12
DCMX1400B2Z	C	2	1.5	48
DCMX1400R4Z	C	4	1.5	12
DCMX1500B2Z	AA	2	1.5	56
DCMX1500B4Z	AA	4	1.5	56
DCMX1500B8Z	AA	8	1.5	48
DCMX2400B2Z	AAA	2	1.5	54
DCMX2400B4Z	AAA	4	1.5	54
DCMX2400B8Z	AAA	8	1.5	40
DCMX1604B1Z	9V	1	9	48
DCMX1604B2Z	9V	2	9	48

EVEREADY INDUSTRIAL ENERGIZER ALKALINE

ORDERING CODE	SIZE	VOLTS	CAPACITY(mAh)	DIMENSIONS(mm)	WEIGHT(gr)	ANSI, NEDA, IEC	X-REF	CART/CASE
EVEN95	D	1.5	18000	34.2 x 61.5	141.9	13AC, 13A, LR20	PC1300, AL-D, AM-1	12/72
EVEN93	C	1.5	8350	66.2 x 26.2	66.2	14AC, 14A, LR14	PC1400, AL-C, AM-2	12/72
EVEN91	AA	1.5	2850	14.5 x 50.5	23	15AC, 15A, LR6	PC1500, AL-AA, AM-3	24/144
EVEN91VP	AA	1.5	2850	14.5 x 50.5	23	15AC, 15A, LR6	PC1500, 815, AM-3	620
(VOLUME PAK)								
EVEN92	AAA	1.5	1155	10.5 x 44.5	11.5	24AC, 24A, LR03	PC2400, AL-AAA, AM-4	24/144
EVEN92VP	AAA	1.5	1155	10.5 x 44.5	11.5	24AC, 24A, LR03	PC2400, 824, AM-4	1189
(VOLUME PAK)								
EVEN22	9V	9	595	26.5 x 17.5 x 48.5	45.6	1604AC, 1604A, 6LR61	PC1604, 6AM-6, RV A1604	12/72

EVEREADY HOTEL DOOR LOCK ALKALINE

ORDERING CODE	SIZE	VOLTS	CAPACITY(mAh)	DIMENSIONS(mm)	WEIGHT(gr)	CART/CASE
EVEDL4A	AA PACK	6	2850	56.41 x 14.43 x 50.29	98.8	24/96
EVEDL4AC	AA PACK	6	2850	28.42 x 28.50 x 49.07	100.6	24/96
EVEDL4AS	AA PACK	6	2850	63.86 x 14.43 x 50.29	99.7	24/96
EVEDL6A	AA PACK	6	2850	49.61 x 26.62 x 50.29	150.1	24/96

EVEREADY CONSUMER/OEM ENERGIZER ALKALINE

ORDERING CODE	SIZE	VOLTS	CAPACITY(mAh)	DIMENSIONS(mm)	WEIGHT(gr)	ANSI, NEDA, IEC	X-REF	CART/CASE
EVE95	D	1.5	18000	34.2 x 61.5	141.9	13A, LR20	MN1300, RV 813, AM1	12/72
EVE93	C	1.5	8350	66.2 x 26.2	66.2	14A, LR14	MN1400, RV 814, AM2	12/72
EVE91	AA	1.5	2850	14.5 x 50.5	23	15A, LR6	MN1500, RV 815, AM3	24/144
EVE92	AAA	1.5	1150	10.5 x 44.5	11.5	24A, LR03	MN2400, RV 824, AM4	24/144
EVE96	AAAA	1.5	595	8.3 x 42.5	N/A	25A, NA	4061	N/A
EVE90	N	1.5	595	11.9 x 29.3	9	1412AP	MN9100, RV 810, AM5	12
EV522	9V	1.5	595	26.5 x 17.5 x 48.5	45.6	1604A, 6LR61	MN1604, RV A1604, 6AM6	12

ENERGIZER E2 TITANIUM ALKALINE

ORDERING CODE	SIZE	QTY PER PACK	VOLTS	CAPACITY(mAh)	DIMENSIONS(mm)	ANSI, NEDA, IEC	X-REF	CART/CASE
EVX95RP4	D	4	1.5	18000	34.2 x 61.5	13A, LR20	MX1300B4	12
EVX95RP2	D	2	1.5	18000	34.2 x 61.5	13A, LR20	MX1300B2	24
EVX93RP4	C	4	1.5	8350	66.2 x 26.2	14A, LR03	MX1400B4	12

ALKALINE CELLS (Cont.)

ENERGIZER E2 TITANIUM ALKALINE (Cont.)

ORDERING CODE	SIZE	QTY PER PACK	VOLTS	CAPACITY(mAh)	DIMENSIONS(mm)	ANSI, NEDA, IEC	X-REF	CART/CASE
EVX93RP2	C	2	1.5	8350	66.2 x 26.2	14A, LR03	MX1400B2	24
EVX91RP8	AA	8	1.5	2850	14.5 x 50.5	15A, LR6	MX1500B8	24
EVX91RP4	AA	4	1.5	2850	14.5 x 50.6	15A, LR6	MX1500B4	24
EVX92RP8	AAA	8	1.5	1150	10.5 x 44.5	24A, LR03	MX2400B8	24
EVX92RP4	AAA	4	1.5	1150	10.5 x 44.5	24A, LR03	MX2400B4	24
EVX22RP2	9V	2	9	595	26.5 x 17.5 x 48.5	1604A, LR61	MX1604B2	24
EVX22RP	9V		9	595	26.5 x 17.5 x 48.5	1604A, LR61	MX1604BU	24

RAYOVAC MAXIMUM INDUSTRIAL ALKALINE

MULTI-PAK

ORDERING CODE	SIZE	VOLTS	ANSI, NEDA, IEC	X-REF	CART/CASE
RVALD	D	1.5	13AC, 13A, LR20	PC1300, EN95	12/72
RVALC	C	1.5	14AC, 14A, LR14	PC1400, EN93	12/72
RVALAA	AA	1.5	15AC, 15A, LR6	PC1500, EN91	12/96
RVALAAA	AAA	1.5	24AC, 24A, LR03	PC2400, EN92	12/96
RVAL9V	9V	9	1604AC, 1604A, 6LR61	PC1604, EN22	12/72

RAYOVAC ALKALINE MAXIMUM CONTRACTOR PACKS

ORDERING CODE	SIZE	VOLTS	ANSI, NEDA, IEC	X-REF	CART/CASE
RVALD12	D	1.5	13AC, 13A, LR20	PC1300, EN95	8/96
RVALC12	C	1.5	14AC, 14A, LR14	PC1400, EN93	8/96
RVALAA24	AA	1.5	15AC, 15A, LR6	PC1500, EN91	12/288
RVALAAA18	AAA	1.5	24AC, 24A, LR03	PC2400, EN92	12/216
RVAL9V8	9V	9	1604AC, 1604A, 6LR61	PC1604, EN22	12/96

RAYOVAC MAXIMUM INDUSTRIAL ALKALINE BULK

ORDERING CODE	SIZE	VOLTS	ANSI, NEDA, IEC	X-REF	CART/CASE
RV813Bulk	D	1.5	13AC, 13A, LR20	PC1300, EN95	105
RV814Bulk	C	1.5	14AC, 14A, LR14	PC1400, EN93	105
RV815Bulk	AA	1.5	15AC, 15A, LR6	PC1500, EN91VP	500
RV824Bulk	AAA	1.5	24AC, 24A, LR03	PC2400, EN92VP	500
RVA1604	9V	9	1604AC, 1604A, 6LR61	PC1604, EN22	240

PANASONIC BATTERIES INDUSTRIAL BULK ALKALINE

ORDERING CODE	SIZE	VOLTS	CAPACITY(mAh)	DIMENSIONS(mm)	WEIGHT(oz)	ANSI, NEDA, IEC	X-REF	CART/CASE
PAAM1PIB	D	1.5	15000-17000	34.2 x 61.5	4.77	13AC, 13A, LR20	PC1300, EN95, RV813	140
PAAM2PIB	C	1.5	7000-8000	26.2 x 50.0	2.30	14AC, 14A, LR14	PC1400, EN93, RV814	234
PAAM3PIB	AA	1.5	2200-2600	14.5 x 50.5	0.85	15AC, 15A, LR6	PC1500, EN91, RV815	500
PAAM4PIB	AAA	1.5	850-1100	10.5 x 44.5	.42	24AC, 24A, LR03	PC2400, EN92, RV824	500
PA6AM6PIB	9V	9	550-600	26.0 x 17.5 x 49.0	1.66	1604AC, 1604A, 6LR61	PC1604, EN22, RVA1604	210

PANASONIC INDUSTRIAL ALKALINE-NON BULK

ORDERING CODE	SIZE	VOLTS	CAPACITY(mAh)	DIMENSIONS(mm)	WEIGHT(oz)	ANSI, NEDA, IEC	X-REF	CART/CASE
PAAM1PIXC	D	1.5	15000-17000	34.2 x 61.5	4.77	13AC, 13A, LR20	PC1300, EN95, RV813	12/144
PAAM2PIXC	C	1.5	7000-8000	26.2 x 50.0	2.30	14AC, 14A, LR14	PC1400, EN93, RV814	24/288
PAAM3PIXC	AA	1.5	2200-2600	14.5 x 50.5	0.85	15AC, 15A, LR6	PC1500, EN91, RV815	24/288
PAAM4PIXC	AAA	1.5	850-1100	10.5 x 44.5	.42	24AC, 24A, LR03	PC2400, EN92, RV824	48/288

ALKALINE CELLS (Cont.)
PANASONIC INDUSTRIAL ALKALINE-NON BULK (Cont.)

ORDERING CODE	SIZE	VOLTS	CAPACITY(mAh)	DIMENSIONS(mm)	WEIGHT(oz)	ANSI, NEDA, IEC	X-REF	CART/CASE
PA6AM6PIXC	9V	9	550-600	26.0 x 17.5 x 49.0	1.66	1604AC, 1604A, 6LR61	PC1604, EN22, RVA1604	12/288

PANASONIC ALKALINE PLUS BULK

ORDERING CODE	SIZE	QTY	VOLTS	CAPACITY(mAh)	DIMENSIONS	WEIGHT(oz)	ANSI, NEDA, IEC	X-REF	CART/CASE
PAAM1PAIB	D		1.5	15000-17000	1.312 x 2.407	4.907	13AC, 13A, LR20	MN1300, E95	140
PAAM2PAIB	C		1.5	7000-8000	1.004 x 1.969	2.47	14AC, 14A, LR14	MN1400, E93	234
PAAM3PAIB	AA		1.5	2200-2600	.571 x 1.988	0.84	15AC, 15A, LR6	MN1500, E91	500
PAAM3PAI2SB	AA	2S	1.5	2200-2600	.571 x 1.988	1.68	15AC, 15A, LR6	MN1500, E91	400-2pc shnk
PAAM4PAIB	AAA		1.5	850-1100	.413 x 1.752	0.42	24AC, 24A, LR03	MN2400, E92	500
PAAM4PAI2SB	AAA	2S	1.5	850-1100	.413 x 1.752	0.84	24AC, 24A, LR04	MN2400, E92	500-2pcs shnk
PA6AM6PAIB	9V		9	550-600	1.909 x 1.043 x .689	1.65	1604AC, 1604A, 6LR61	MN1604, E22	210

PANASONIC ALKALINE PLUS CARDS

ORDERING CODE	SIZE	VOLTS	CARDS PER CASE
PAAM1PA2B	D-2	1.5	48
PAAM1PA4B	D-4	1.5	12
PAAM2PA2B	C-2	1.5	48
PAAM2PA4B	C-4	1.5	12
PAAM3PA2B	AA-2	1.5	48
PAAM3PA4B	AA-4	1.5	48
PAAM3PA8B	AA-8	1.5	24
PAAM4PA2B	AAA-2	1.5	48
PAAM4PA4B	AAA-4	1.5	48
PAAM4PA8B	AAA-8	1.5	24
PA6AM6PA1B	9V-1	9	48
PAAM6PA2B	9V-2	9	48

PANASONIC DIGITAL ALKALINE

ORDERING CODE	SIZE	VOLTS	DIMENSIONS(Inch)	ANSI, NEDA, IEC	X-REF	CART/CASE
PALR6GA4B	AA-4	1.5	.571 x 1.988	15A, LR6	MX1500B4U, X91RP-4	48
PALR6GA8B	AA-8	1.5	.571 x 1.988	15A, LR6	MX1500B8U, X91RP-8	24
PALR03GA4B	AAA-4	1.5	.413 x 1.752	24A, LR03	MX2400B4U, X92RP-4	48
PALR03GA8B	AAA-8	1.5	.413 x 1.752	24A, LR03	MX2400B8U, X92RP-8	24
PALR20GA2B	D-2	1.5	1.312 x 2.407	13A, LR20	MX1300B2U, X95RP-2	48
PALR20GA4B	D-4	1.5	1.312 x 2.407	13A, LR20	MX1300B4U, X95RP-4	12
PALR14GA2B	C-2	1.5	1.004 x 1.969	14A, LR03	MX1400B2U, X93RP-2	48
PALR14GA4B	C-4	1.5	1.004 x 1.969	14A, LR03	MX1400B4U, X93RP-4	12
PA6LR61GA1B	9V	9	1.909 x 1.043 x .689	1604A, LR61	MX1604, X22RP	48

ALKALINE LANTERNS
DURACELL PROCELL INDUSTRIAL

ORDERING CODE	SIZE	VOLTS	CAPACITY(mAh)	TERMINALS	DIMENSIONS(Inch)	WEIGHT(oz)	ANSI, NEDA, IEC	X-REF	CART/CASE
DCPC903	LANTERN	7.5	40000	SCREW	7.250 x 4.062 x 3.749	78.37	903AC	EN715	4
DCPC908	LANTERN	6	13000	SPRING	2.685 x 2.685 x 4.528	21.6	908A	529	6
DCPC915	LANTERN	6	13000	SCREW	2.685 x 2.685 x 4.409	21.6	915AC	N/A	6
DCPC918	LANTERN	6	27000	SCREW	2.874 x 5.37 x 5.0	44.8	918AC, 918A	521	4
DCMN908	LANTERN	6	13000	SPRING	2.685 x 2.685 x 4.528	21.6	908A, 4LR25	PC908	6

ALKALINE LANTERNS (Cont.)

DURACELL CONSUMER COPPER TOP LANTERN

ORDERING CODE	SIZE	VOLTS	CAPACITY(mAh)	TERMINALS	DIMENSIONS(Inch)	WEIGHT(oz)	ANSI, NEDA, IEC	X-REF	CART/CASE
DCMN908T	LANTERN	6	13000	SCREW	2.685 x 2.685 x 4.528	21.6	4LR25	N/A	12
DCMN918	LANTERN	6	27000	SCREW	2.874 x 5.37 x 5.0	44.8	N/A	PC918	4
DCMN1203	LANTERN	4.5	N/A	SCREW	2.44 x 2.64 x .87	5.43	N/A	N/A	48

EVEREADY INDUSTRIAL ENERGIZER LANTERN

ORDERING CODE	SIZE	VOLTS	CAPACITY(mAh)	TERMINALS	DIMENSIONS(mm)	WEIGHT(oz)	ANSI, NEDA, IEC	X-REF	CART/CASE
EVEN529	LANTERN	6	21000	SPRING	66.7 x 66.7 x 109.5	885	908A, 4LR25	MN908	12
EVEN715	LANTERN	7.5	39000	SCREW	184.2 x 103.2 x 97.0	2.3	903AC	PC903	4
EVEN6	IGNITOR	1.5	45000	BRASS KNURL	66.7 x 170.0	482	906AC, LR40	6 IGN. S	4

EVEREADY CONSUMER ENERGIZER LANTERN

ORDERING CODE	SIZE	VOLTS	CAPACITY(mAh)	TERMINALS	DIMENSIONS(mm)	WEIGHT(oz)	ANSI, NEDA, IEC	X-REF	CART/CASE
EV528	LANTERN	6	26000	KNURL	66.7 x 66.7 x 109.5	885	915A, 4LR25	N/A	4
EV529	LANTERN	6	26000	SPRING	66.7 x 66.7 x 115.0	885	908A, 4LR25	MN908	12
EV521	LANTERN	6	52000	SCREW	136.5 x 73.0 x 125.4	1900	918A	MN918	4

RAYOVAC MAXIMUM ALKALINE LANTERN

ORDERING CODE	SIZE	VOLTS	CAPACITY(mAh)	TERMINALS	DIMENSIONS(Inch)	WEIGHT(oz)	ANSI, NEDA, IEC	X-REF	CART/CASE
RV806	LANTERN	6	11148	SPRING	2.56 x 2.56 x 3.78	1LB 6oz	4LR25	MN908, 529	6
RV803	LANTERN	7.5	40000	SCREW	7.25 x 4 x 3.75	N/A	N/A	PC903	4

BATTERY TESTERS

ORDERING CODE	DESCRIPTION	CASE
RVGT18	ALL PURPOSE BATTERY TESTER	1
RVWT35	WATCH BATTERY TESTER	1
RVWT35	HEARING AID TESTER	1

CARBON ZINC BATTERIES/LECLANCHÉ CELLS (ZINC CARBON OR DRY CELL)

Anode: Zinc

Cathode: Manganese Dioxide (MnO₂)

Electrolyte: Ammonium Chloride or Zinc Chloride Dissolved in Water

Applications: Flashlights, Toys, Moderate Drain Use

SUPER HEAVY DUTY PLUS DURACELL-MALLORY

ORDERING CODE	SIZE	VOLTS	DIMENSIONS(Inch)	WEIGHT(gr)	ANSI, NEDA, IEC	X-REF	CART/CASE
DCM13SHD	D	1.5	1.346 x 2.421	92.8	13CD, R20	EV150, UM1D	24/192
DCM14SHD	C	1.5	1.031 x 1.969	51.4	14CD, R14	EV135, UM2D	24/192
DCM15SHD	AA	1.5	.571 x 1.909	18.3	15CD, LR6	EV115, UM3D	24/192
DCM9VSHD	9V	9	.689 x 1.043 x 1.909	38.5	1604D, 6F22	EV122, 006PD	12/72

EVEREADY INDUSTRIAL HEAVY DUTY-CARBON ZINC

ORDERING CODE	SIZE	VOLTS	DIMENSIONS(mm)	CAPACITY(mAh)	ANSI, NEDA, IEC	X-REF	CART/CASE
EVEV150	D	1.5	34.2 x 61.5	6050	13CD, R20	M13SHD, HD-D, UM1D	12/192
EVEV135	C	1.5	26.2 x 49.8	3125	14CD, R14	M14SHD, HD-C, UM2D	12/192
EVEV115	AA	1.5	14.5 x 50.5	1375	15CD, LR6	M15SHD, HD-AA, UM3D	12/192
EVEV122	9V	9	26.4 x 17.5 x 48.5	330	1604D, 6F22	M9VSHD, HD-9V, 006PD	12/72

CARBON ZINC BATTERIES/LECLANCHÉ CELLS (ZINC CARBON OR DRY CELL) (Cont.)

EVEREADY CARBON ZINC INDUSTRIAL

ORDERING CODE	SIZE	VOLTS	TERMINALS	DIMENSIONS(mm)	CAPACITY(mAh)	WEIGHT(gr)	ANSI, NEDA, IEC	X-REF	CASE
EV206	MULTI CELL	9	FLAT	19.1 x 50.8	200	32	1611	N/A	12
EV246	MULTI CELL	9	MIN SNAP	36 x 34.5 x 69.9	850	88	1602, 6F50-2	439	6
EV266	MULTI CELL	9	SNAP	46 x 46 x 63	2500	168	1605	N/A	12
EV276	MULTI CELL	9	SNAP	66 x 52 x 80.2	5000	245	1603, 6F100	N/A	6
EV411	MULTI CELL	15	FLAT	27 x 16.1 x 37	140	27	208, 10F20	71, BA331, U	6
EV412	MULTI CELL	22.5	FLAT	27 x 16.1 x 51	140	38	215, 15F20	015, V72PXBA261/U	12
EV413	MULTI CELL	30	FLAT	27 x 16.1x 65	140	48	210, 20F20	73, BA305, U	12
EV415	MULTI CELL	45	MIN. SNAP	26.6 x 16.1 x 92.5	140	76	213, 30F20	N/A	6
EV416	MULTI CELL	67.5	MIN. SNAP	33.7 x 25 x 88.9	140	114	217	N/A	6
EV455	MULTI CELL	45	SNAP	67.5 x 93.6	550	231	201, 30F40	BA56	6
EV467	MULTI CELL	67.5	SNAP	71.4 x 34.9 x 94.1	550	343	200, 45F40	BA51	12
EV489	MULTI CELL	225	SOCKET	110.3 x 68.3 x 106.4	550	1.17kg	728, 152F40	M200	6
EV493	MULTI CELL	300	SOCKET	68.3 x 56.4 x 99.2	140	445	722	BA291, U	3
EV497	MULTI CELL	180/510	FLAT RECESS	76.2 x 40.5 x 142.9	140	780	741, 336F20	PF497, 1012	4
EV711	MULTI CELL	1.5	FLAT	66.7 x 33.8 x 102.4	22000	283	700, R25-2	2FH, F2, BA15A	6
EV763	MULTI CELL	22.5	KNURL	92.1 x 51.6 x 77.8	1650	372	710	BA2	6

CARBON ZINC-CONSUMER/OEM

EVEREADY SUPER HEAVY DUTY

ORDERING CODE	SIZE	VOLTS	DIMENSIONS(mm)	CAPACITY(mAh)	ANSI, NEDA, IEC	WEIGHT(gr)	X-REF	CART/CASE
EV1250	D	1.5	34.2 x 61.65	5900	13D, R20	89	M13SHD, 6D, UM1N	48
EV1235	C	1.5	26.2 x 50	3000	14D, R14	45	M14SHD, 4C, UM2N	48
EV1215	AA	1.5	14.5 x 50.5	950	15D, R6	15	M15SHD, 5AA, UM3N	48
EV1212	AAA	1.5	10.5 x 44.5	540	24D, R03	9.3	UM4N	48
EV1222	9V	9	26.4 x 17.5 x 48.5	400	1604D, 6F22	37	M9VSHD, D1604, 006PN	48

RAYOVAC HEAVY DUTY-CARBON ZINC

ORDERING CODE	SIZE	VOLTS	ANSI, NEDA, IEC	X-REF	CART/CASE
MULTI-PAK					
RVHDD	D	1.5	13D	M13SHD, EV150, UM-1NPA	12/72
RVHDC	C	1.5	14D	M14SHD, EV135, UM-2NPA	12/72
RVHDAA	AA	1.5	15D	M15SHD, EV115, UM-3DPA/T	12/72
RVHD9V	9V	9	1604D	M9VSHD, EV122, S-006PNPA	12/72

RAYOVAC BULK-CARBON ZINC

ORDERING CODE	SIZE	VOLTS	ANSI, NEDA, IEC	X-REF	CART/CASE
RV6DBULK	D	1.5	13D	M13SHD, EV150, UM-1NPA	145
RV4CBULK	C	1.5	14D	M14SHD, EV135, UM-2NPA	247
RV5AABULK	AA	1.5	15D	EV115, UM-3DPA/T	1000
RV3AAABULK	AAA	1.5	24D	EV1212, R03NPA	1000
RVD1604BULK	9V	9	1604D	EV122, S-006PNPA	630

PANASONIC XTRA HEAVY DUTY CARBON ZINC

ORDERING CODE	SIZE	VOLTS	ANSI, NEDA, IEC	X-REF	CART/CASE
PAUM1N	D	1.5	13D, R20	EV1250	288
PAUM2N	C	1.5	14D, R14	EV1235	288
PAUM3N	AA	1.5	15D, R6	EV1215	288

CARBON ZINC BATTERIES/LECLANCHÉ CELLS (ZINC CARBON OR DRY CELL) (Cont.)

PANASONIC XTRA HEAVY DUTY CARBON ZINC (Cont.)

ORDERING CODE	SIZE	VOLTS	ANSI, NEDA, IEC	X-REF	CART/CASE
PAUM4N	AAA	1.5	24D, R03	EV1212	288
PAUM5N	N	1.5	N/A	N/A	288
PA006PN	9V	9	6F22, 1604D	EV1222	288

PANASONIC HEAVY DUTY-CARBON ZINC

ORDERING CODE	SIZE	VOLTS	ANSI, NEDA, IEC	X-REF	CART/CASE
PAUM1D	D	1.5	13D, R20	EV EV150	288
PAUM2D	C	1.5	14D, R14	EV EV135	288
PAUM3D	AA	1.5	15D, R6	EV EV115	288
PAS006PD	9V	1.5	6F22, 1604D	EV EV122	288

PANASONIC GENERAL PURPOSE-CARBON ZINC

ORDERING CODE	SIZE	VOLTS	ANSI, NEDA, IEC	X-REF	CART/CASE
PAUM1	D	1.5	13D, R20	N/A	288
PAUM2	C	1.5	14D, R14	N/A	288
PAUM3	AA	1.5	15D, R6	N/A	288
PAS006P	9V	9	6F22, 1604D	N/A	288

CARBON ZINC LANTERNS

EVEREADY HEAVY DUTY INDUSTRIAL CZ

ORDERING CODE	SIZE	VOLTS	TERMINALS	DIMENSIONS(mm)	CAPACITY(mAh)	WEIGHT(gr)	ANSI, NEDA, IEC	X-REF	CART/CASE
EV732	LANTERN	12	SCREW	135.7 x 72.2 x 125.4	7500	1.25 kg	926, 8R25	125, M926, 926	6
EV131	LANTERN	6	SCREW	136.5 x 73.0 x 127.0	10000	1.25 kg	918CD, 4R25-2	158, M918, 918, 731	6
EV190	LANTERN	6	SPRING	66.7 x 66.7 x 112	11000	589	908CD, 4R25X	EV90, EV90HP	12

EVEREADY CONSUMER/OEM

ORDERING CODE	SIZE	VOLTS	TERMINALS	DIMENSIONS(mm)	CAPACITY(mAh)	WEIGHT(gr)	ANSI, NEDA, IEC	X-REF	CART/CASE
EV510S	LANTERN	6	SCREW	66.7 x 66.7 x 109.5	11000	653	915, 4R25X	M9152, 942	12
EV1209	LANTERN	6	SPRING	66.6 x 66.7 x 112	12000	600	908D, 4R25X	944, 431	12

RAYOVAC LANTERN/BARRICADE/EMERGENCY IGNITION

ORDERING CODE	SIZE	VOLTS	TERMINALS	ANSI, NEDA, IEC	X-REF	WEIGHT	CART/CASE
RV6VGP	LANTERN	6	SPRING	908C	EV90, EV90HP	1LB 4oz	12
RV6VHD	LANTERN	6	SPRING	908CD	466-M	1LB 5oz	12
RV6VHDM	LANTERN	6	SPRING	908CD	N/A	1LB 5oz	12
RV918GP	LANTERN	6	SCREW	918	731, EV31, 158	7.0 LB	6
RV920	BARRICADE	6	SOCKET	N/A	EV 2744N		12
RV926GP	LANTERN	12	SCREW	926	732, 125	2LB 11oz	6
RV928HD	LANTERN	6	SCREW	918D	1231	2LB 11oz	6
RV941GP	LANTERN	6	SPRING	908	EV509	1LB 4oz	12
RV944HD	LANTERN	6	SPRING	908D	1209-918SIZE	1LB 5oz	12
RV945HD	LANTERN	6	SCREW	915D	N/A	1LB 5oz	12
RVHDB12V	BARRICADE/FLASHER	12	SOCKET	935	EV1862	12.5 LB	2
RV641	IGNITION/FENCES	6	SCREW	907	EV1461	5LB 12oz	6

3 VOLT LITHIUM COIN

3 VOLT COIN TYPE LITHIUM PRIMARY

CR=Lithium Manganese Dioxide

HI Drain applications

BR= Lithium Poly-Carbon Monofluoride

Low Drain applications

ORDERING CODE	VOLTS	CAPACITY(mAh)	DIMENSIONS(mm)	WEIGHT(gr)	ANSI, NEDA, IEC	X-REF
BACR1025	3	30	10 x 2.5	0.7	5033LC, CR1025	BA LITH-25
BABR1216	3	25	12.5 x 1.6	0.6	5034LC, BR1216	BA LITH-26
BACR1216	3	25	12.5 x 1.6	1.2	5034LC, CR1216	BA LITH-31
BACR1220	3	35	12.5 x 2.0	1.2	5012LC, CR1222	BA LITH-1
BABR1616	3	35	16 x 1.6	1.3	BR1616	N/A
BACR1616	3	55	16 x 1.6	1.3	5021LC, CR1616	BA LITH-20
BACR1620	3	75	16 x 2.0	1.3	5009LC, CR1620	BA LITH-3
BACR1632	3	125	16.0 x 3.2	1.8	CR1632	BA LITH-34
BACR2012	3	55	20 x 1.2	1.4	CR2012	BA LITH-24
BACR2016	3	90	20 x 1.6	1.6	5000LC, CR2016	BA COMP-30
BABR2016	3	75	20 x 1.6	1.5	BR2016	BA LITH-4
BABR2020	3	100	20 x 2.0	2	N/A	BA LITH-27
BACR2025	3	150	20 x 2.5	2.5	5003LC, CR2025	BA COMP-31
BACR2032	3	220	20 x 3.2	3.1	5004LC, CR2032	BA COMP-32
BACR2040	3	280	20 x 4.0	3	CR2040	BA LITH-23
BACR2320	3	130	23 x 2.0	3	5020LC, CR2320	BA LITH-30
BABR2320	3	110	23 x 2.0	2.5	5020LC, BR2325	BA LITH-5
BABR2325	3	255	23 x 3.0	3.2	N/A	BA COMP-2
BABR2325	3	165	23 x 2.5	3.2	5020LC, BR2325	BA COMP-2
BABR2330	3	255	23 x 3.0	3.2	N/A	BA COMP-60
BACR2354	3	560	23 x 5.4	5.9	N/A	BA COMP-61
BACR2430	3	270	24 x 3.0	N/A	5011LC, CR2430	BA COMP-1
BACR2450	3	550	24 x 5.0	N/A	5029LC	BA COMP-33
BACR2477	3	1000	24.5 x 7.7	10.5	N/A	BA LITH-32
BACR3032	3	500	30.0 x 3.2	N/A	N/A	BA LITH-33

DURACELL 3V LITHIUM COIN

ORDERING CODE	SIZE	VOLTS	CAPACITY(mAh)	DIMENSIONS(Inch)	CART/CASE
DCDL1025B	COIN	3	30	.394 x .100	6/24
DCDL1216B	COIN	3	25	.492 x .063	6/24
DCDL1616	COIN	3	55	.630 x .079	6/24
DCDL1620	COIN	3	79	.63 x /079	6/24
DCDL2025B	COIN	3	225	N/A	6/24
DCDL2032B	COIN	3	220	.787 x .126	6/24
DCDL2032B2	COIN	3	220	.787 x .126	6/24
DCDL2430B	COIN	3	300	.965 x .118	6/24
DCDL2450B	COIN	3	600	.965 x .197	6/24
DCPX28LB	ROUND	6	160	.512 x .992	6/24

EVEREADY 3V LITHIUM COIN

ORDERING CODE	SIZE	VOLTS	CAPACITY(mAh)	DIMENSIONS(mm)	ANSI, NEDA, IEC,IEC	CART/CASE
EVECR1025BP	COIN	3	30	10.0 x 2.5	5033LC, CR1025	6
EVECR1216BP	COIN	3	29	12.5 x 1.6	5034LC, CR1216	6
EVECR1220BP	COIN	3	40	12.5 x 2.0	5012LC, CR1220	6
EVECR1616BP	COIN	3	55	16.0 x 1.6	5021LC, CR1616	6

3 VOLT LITHIUM COIN CELLS (Cont.)

EVEREADY 3V LITHIUM COIN (CONT.)

ORDERING CODE	SIZE	VOLTS	CAPACITY(mAh)	DIMENSIONS(mm)	ANSI, NEDA, IEC,IEC	CART/CASE
EVECR1620BP	COIN	3	79	16.0 x 2.0	5009LC, CR1620	6
EVECR2016BP	COIN	3	80	20.0 x 1.6	5000LC, CR2016	6
EVECR2025BP	COIN	3	170	20.0 x 2.5	5003LC, CR2025	6
EVECR2032BP	COIN	3	225	20.0 x 3.2	5004LC, CR2032	6
EVECR2450BP	COIN	3	575	24.5 x 5.0	5029LC, CR2450	6

3V SOLDER TAB

3V LITHIUM W/TABS

PLAIN SOLDER TAB FOR ATTACHING WIRE

ORDERING CODE	VOLTAGE	CAPACITY(mAh)	DESCRIPTION	X-REF
BACR927T	3	30	SOLDER TAB	BA LITH-35-1
BACR1025T	3	30	SOLDER TAB	BA LITH25-1
BACR1220T	3	35	SOLDER TAB	BA LITH-1-1
BACR1225T	3	40	SOLDER TAB	BA LITH-2-1
BACR1620T	3	60	SOLDER TAB	BA LITH-3-1
BACR2025T	3	150	SOLDER TAB	BA LITH-31-1
BACR2032T	3	200	SOLDER TAB	BA LITH-32-1
BACR2040T	3	280	SOLDER TAB	BA LITH-23-1
BACR2325T	3	175	SOLDER TAB	BA COMP-2-1
BACR2430T	3	270	SOLDER TAB	BA COMP-1-1
BACR2450T	3	550	SOLDER TAB	BA COMP-33-1

3V LITHIUM 2 PIN PC MOUNT

ORDERING CODE	VOLTAGE	CAPACITY(mAh)	DESCRIPTION	X-REF
BACR1220P1	3	35	2 PIN PC MOUNT	BA LITH-1-2
BABR12251HC	3	40	2 PIN PC MOUNT	BA LITH-2-2
BACR2032T141	3	200	2 PIN PC MOUNT	BA COMP-32-2
BACR2032P51	3	200	15mm PIN PC MOUNT	BA COMP-32-2-15
BABR23251HG	3	175	2 PIN PC MOUNT	BA COMP-2-2
BACR2430P12	3	270	2 PIN PC MOUNT	BA COMP-1-2
BACR2450P2	3	550	2 PIN PC MOUNT	BA COMP-33-2
BABR23301HE	3	255	2 PIN PC MOUNT	BA COMP-60-2
BACR24771HF	3	1000	2 PIN PC MOUNT	BA COMP-32-2

3V LITHIUM 3 PIN HORIZONTAL PC MOUNT

ORDERING CODE	VOLTAGE	CAPACITY(mAh)	DESCRIPTION	X-REF
BACR2032FT10	3	200	3 PIN PC MOUNT	BA COMP-32-3
BACR2430FT10	3	270	4 PIN PC MOUNT	BA COMP-1-3
BACR2450FT21	3	550	5 PIN PC MOUNT	BA COMP-33-3
BABR23251HG	3	165	6 PIN PC MOUNT	BA COMP-2-3
BACR23301GUF	3	255	3 PIN PC MOUNT	BA COMP-60-3
BACR23301GUF	3	255	3 PIN PC MOUNT	BA COMP-60-3
BACR23541GU	3	560	3 PIN PC MOUNT	BA COMP-61-3
BACR2477HE4H	3	1000	3 PIN PC MOUNT	BA LITH-32-3
BACR2450HE3	3	550	3 PIN PC MOUNT	BA COMP-33-3-205

3 VOLT LITHIUM COIN CELLS (Cont.)
3 VOLT LITHIUM 2 PIN VERTICAL PC MOUNT

ORDERING CODE	VOLTAGE	CAPACITY(mAh)	DESCRIPTION	X-REF
BACR2032T92	3	200	2 PIN VERTICAL MOUNT	BA COMP-32-2VL
BACR2430P22	3	270	3 PIN VERTICAL MOUNT	BA COMP-1-2VL
BABR12251VC	3	40	4 PIN VERTICAL MOUNT	BA LITH-2-2VL
BABR23251VC	3	165	5 PIN VERTICAL MOUNT	BA COMP-2-2VL
BABR23301VC	3	255	6 PIN VERTICAL MOUNT	BA COMP-60-2VL
BACR2032FT42	3	200	3 PIN VERTICAL MOUNT	BA COMP-32-3VL
BACR2430FT42	3	270	4 PIN VERTICAL MOUNT	BA COMP-1-3VL
BACR2450FT54	3	550	5 PIN VERTICAL MOUNT	BA COMP-33-3VL
BACR23301GV	3	255	6 PIN VERTICAL MOUNT	BA COMP-60-3VL
BACR23251VG	3	165	7 PIN VERTICAL MOUNT	BA COMP-2-3VL

3 VOLT LITHIUM 3 PIN VERTICAL MOUNT

ORDERING CODE	VOLTAGE	CAPACITY(mAh)	DESCRIPTION	X-REF
BACR2032FT42	3	200	3 PIN VERTICAL MOUNT	BA COMP-32-3VL
BACR2440FT42	3	270	3 PIN VERTICAL MOUNT	BA COMP-1-3VL
BACR2450FT4	3	550	3 PIN VERTICAL MOUNT	BA COMP-33-3VL
BACR23301GV	3	255	3 PIN VERTICAL MOUNT	BA COMP-60-3VL
BABR23251VG	3	165	3 PIN VERTICAL MOUNT	BA COMP-2-3VL

3 VOLT LITHIUM RECHARGEABLE COIN CELLS
PANASONIC VANADIUM PENTOXIDE (VL SERIES)

ORDERING CODE	VOLTS	CAPACITY(mAh)	DESCRIPTION	X-REF
PAVL621	3	1.5	N/A	N/A
PAVL1216	3	5	N/A	N/A
PAVL12201HF	3	7	2 PIN PC MOUNT	BA-RLITH-1-2
PAVL12201VC	3	7	2 PIN VERT MOUNT	BA-RLITH-1-2VL
PAVL23201HF	3	30	2 PIN POLARIZED	BA-RLITH-6-2
PAVL23201VC	3	30	2 PIN VERTICAL POL	BA-RLITH-6-2-VL
PAVL20201HF	3	20	2 PIN POLARIZED	BA-RLITH-27-2
PAVL20201VC	3	20	2 PIN VERT POLAR	BA-RLITH-27-2VL
PAVL30321F2E	3	100	SOLD TABS-OPP END	BA-RLITH-33-2VLOP
PAVL30321GUF	3	100	3 PIN PC MOUNT	BA-RLITH-33-3
PAVL23301HF	3	50	2 PIN POLARIZED	BA-RLITH-60-2

SANYO MANGANESE DIOXIDE (ML SERIES)

ORDERING CODE	VOLTS	CAPACITY(mAh)	DESCRIPTION	X-REF
BAML414SANYO	3	1	N/A	N/A
BAML614SANYO	3	3.4	N/A	N/A
BAML621SANYO	3	5	N/A	N/A
BAML2430TT1	3	24.5	SOLDER TABS-OPP ENDS	BA R-LITH-5-1
BAML2430HJ1	3	24.5	2 PIN PC MOUNT	BA R-LITH-5-2
BAML2430HZ1	3	24.5	2 PIN POLARIZED	BA R-LITH-5-PIN
BAML2430VM1	3	24.5	2 PIN VERTICAL	BA R-LITH-5-2VL
BAML2430HS1	3	24.5	3 PIN PC MOUNT	BA R-LITH-5-3
BAML2430VS1	3	24.5	3 PIN VERTICAL MOUNT	BA R-LITH-5-3VL

LITHIUM PHOTO CELLS

DURACELL ULTRA LITHIUM PHOTO

ORDERING CODE	SIZE	VOLTS	DIMENSIONS(INCH)	CAPACITY(mAh)	X-REF	CART/CASE
DCDLR2BU	PHOTO	3	.650D x 1.100H	800-1300	EL1CR2, CR2	6/24
DCDL13NB	1/3N	3	.457 x .063	160	2L76, CR1/3N, 4LR44	6/24
DCDL123ABU	PHOTO	3	.669 x 1.358	1400-2300	EL123AP, CR123A	6/24
DCDL223ABU	PHOTO	6	.768L x 1.378 x 1.417	1400-2300	EL223AP, CRP2	6/24
DCDL245BU	PHOTO	6	.669 x 1.339 x 1.772	1400-2300	EL2CR5, 2CR5	6/24
DCDLR3V3BU	PHOTO	3	.575 x 1.126 x 2.055	3000	CR-V3/1B	6/24

DURACELL PHOTO-ELECTRONIC

ORDERING CODE	SIZE	VOLTS	CHEMISTRY	ANSI, NEDA, IEC,IEC	X-REF	CART/CASE
DCMN175B	N/A	7.5	ALKALINE	1510M, 5NR44	TR175	6/24
DCMX2500B2	AAAA	1.5	ALKALINE	N/A	E96	6/24
DCMN9100B2	N	1.5	ALKALINE	910A, CR1	E90, AM5, 810	6/24
DCMS76B	BUTTON	1.5	SILVER OXIDE	11077SOP, SR44	EPX76, G-13, V76PX	6/24
DCPX28AB	N/A	6	ALKALINE	1414A, 4LR44	A544, V34PX, K28A	6/24
DCPX625AB	N/A	1.5	ALKALINE	1124MP, MR9	EPX625, H-D, V625PX	6/24
DCPX76A675AB	N/A	1.5	ALKALINE	1128MP, MR44	EPX675, KX675	6/24
DC7K67B	J	6	ALKALINE	1412AP, 4LR61	539, KJ, 4018, 867	6/24

EVEREADY E-SQUARED PHOTO CELLS

ORDERING CODE	SIZE	VOLTS	CAPACITY(mAh)	DIMENSIONS(mm)	ANSI, NEDA, IEC,IEC	X-REF	CART/CASE
EV2L76BP	PHOTO	3	160	11.6 x 10.8	N/A	CR1/3N, 4LR44	288
EVEL123APBP	PHOTO	3	1300	15.5 x 17.0 x 34.5	CR123A	CR123A	288
EVEL1CR2BP	PHOTO	3	800	15.6 x 27	CR2, CR15H270	CR2	288
EVEL223APBP	PHOTO	6	1400	36 x 35 x 19.5	5024LC	CR-P2	288
EVEL2CR5BP	PHOTO	6	1500	45 x 34 x 17	2CR5	2CR5	288
EVELCRV3BP2	PHOTO	3	3000	52.2 x 28.6 x 14.4	N/A	DLCRV3	144
EVL522	PHOTO	9	1200	48.5 x 26.3 x 16.9	1604LC	UL9V	48
EVL544BP	PHOTO	6	160	12.83 x 25.15	N/A	V28PXL	288
EVL91BP-2	AA	1.5	2900	14.3 x 50.5	15, LF	N/A	24

EVEREADY MANGANESE DIOXIDE BUTTON CELLS

Anode: Zinc anode of high surface area

Cathode: Manganese Dioxide (MnO₂)

Electrolyte: Potassium Hydroxide

Applications: Toys, Calculators, Watches

ORDERING CODE	SIZE	VOLTS	CAPACITY(mAh)	DIMENSIONS(mm)	ANSI, NEDA, IEC,IEC	X-REF	CASE
EV186	BUTTON	1.5	80	11.6 x 4.2	1167A, LR43	N/A	6
EV189	BUTTON	1.5	48	11.6 x 3.10	1168A, LR54	D189, V10GA, AG10	6
EV191	BUTTON	1.5	31	11.6 x 2.2	1169A, LR55	D191, V8GA, AG8	6
EV192	BUTTON	1.5	32	7.9 x 3.6	N/A, LR41	N/A	6
EV193	BUTTON	1.5	53	7.9 x 5.4	N/A, LR48	N/A	6
EVA23	BUTTON STACK	12	40	10.3 x 28.5	1811A	MN21, V23GA, GP23A	6
EVA27	BUTTON STACK	12	18	8.0 x 28.2	N/A	N/A	6
EVA544	BUTTON STACK	6	150	13 x 25.2	1414A, 4LR44	PX28A, 4LR44	6
EVE625G	BUTTON	1.5	200	15.5 x 6.1	N/A	N/A	6

3 VOLT LITHIUM CYLINDRICAL CELLS

Applications: Cameras, Memory Backup, Utility Meters, Emergency Signal Light, Electronic Measure Equipment

Features: High Energy Density, Long Life

ORDERING CODE	MANUFACTURER	VOLTAGE	CAPACITY(mAh)	DIMENSIONS(mm)	WEIGHT(gr)	TERMINALS	X-REF
BABR425	PANASONIC	3	25	4.2 x 25.9	0.55	NONE	BA LITH-28
BABR435	PANASONIC	3	50	4.2 x 35.9	0.85	NONE	BA LITH-29
BACR13N	SANYO	3	160	11.6 x 10.8	3.3	NONE	BA COMP-15
BACR13NT	SANYO	3	160	11.6 x 10.8	3.3	FLAT SOLDER TAB	BA COMP-15-1
BACR13NP	SANYO	3	160	11.6 x 10.8	3.3	2 PIN PC MOUNT	BA COMP-15-2
BACR13NFT	SANYO	3	160	11.6 x 10.8	3.3	3 PIN PC MOUNT	BA COMP-15-3
BACR14250SE	SANYO	3	850	14.5 x 25.0	9	NONE	BA COMP-7
BACR14250SET	SANYO	3	850	14.5 x 25.0	9	FLAT SOLDER TAB	BA COMP-7-1
BACR14250SEP	SANYO	3	850	14.5 x 25.0	9	2 PIN PC MOUNT	BA COMP-7-2
BACR14250SEFT	SANYO	3	850	14.5 x 25.0	9	3 PIN PC MOUNT	BA COMP-7-3
BACR14250SESP1	SANYO	3	850	14.5 x 25.0	9	AXIAL LEADS	BA COMP-7-5
BACR12600SE	SANYO	3	1500	12.0 x 60.0	15	NONE	BA COMP-3
BACR12600SET	SANYO	3	1500	12.0 x 60.1	15	FLAT SOLDER TAB	BA COMP-3-1
BACR12600SEP	SANYO	3	1500	12.0 x 60.2	15	2 PIN PC MOUNT	BA COMP-3-2
BACR12600SEFT	SANYO	3	1500	12.0 x 60.3	15	3 PIN PC MOUNT	BA COMP-3-3
BACR17335SE	SANYO	3	1800	17.0 x 33.5	17	NONE	BA COMP-29
BACR17335SET	SANYO	3	1800	17.0 x 33.5	17	FLAT SOLDER TAB	BA COMP-29-1
BACR17335SEP	SANYO	3	1800	17.0 x 33.5	17	2 PIN PC MOUNT	BA COMP-29-2
BACR17335SEFT	SANYO	3	1800	17.0 x 33.5	17	3 PIN PC MOUNT	BA COMP-29-3
BABR23APANA	PANASONIC	3	1200	17.0 x 33.5	13.5	NONE	BA COMP-5
BABR23AT2SP	PANASONIC	3	1200	17.0 x 33.5	13.5	FLAT SOLDER TAB	BA COMP-5-1
BABR23AP2SP	PANASONIC	3	1200	17.0 x 33.5	13.5	2 PIN PC MOUNT	BA COMP-5-2
BABR23AE2SP	PANASONIC	3	1200	17.0 x 33.5	13.5	3 PIN PC MOUNT	BA COMP-5-3
DCDL23A	DURACELL	3	1200	17.0 x 33.5	13.5	NONE	BA COMP5-DURA
DCDL23A1	DURACELL	3	1200	17.0 x 33.5	13.5	FLAT SOLDER TAB	BA COMP5-1DURA
DCDL23A2	DURACELL	3	1200	17.0 x 33.5	13.5	2 PIN PC MOUNT	BA COMP5-2DURA
DCDL23A3	DURACELL	3	1200	17.0 x 33.5	13.5	3 PIN PC MOUNT	BA COMP5-3DURA
BACR17450SE	SANYO	3	2500	17.0 x 45.0	22	NONE	BA LITH-12
BACR17450SET	SANYO	3	2500	17.0 x 45.1	22	FLAT SOLDER TAB	BA LITH-12-1
BACR17450SEP	SANYO	3	2500	17.0 x 45.2	22	2 PIN PC MOUNT	BA LITH-12-2
BACR17450SEFT	SANYO	3	2500	17.0 x 45.3	22	3 PIN PC MOUNT	BA LITH-12-3
BACRAA	PANASONIC	3	2000	14.75 x 50.5		NONE	BA COMP-70
BACR15400T	SANYO	3	1300	15.2 x 40	17	FLAT SOLDER TAB	BA LITH-9-1
BACR23500SE	SANYO	3	5000	23.0 x 50.0	42	NONE	BA LITH-13
BACR23500SET	SANYO	3	5000	23.0 x 50.0	42	FLAT SOLDER TAB	BA LITH-13-1
BABRCPANA	PANASONIC	3	5000	26.00 x 50.0	42	NONE	BA LITH-14-PANA
BABRC1	PANASONIC	3	5000	26.0 x 50.0	42	FLAT SOLDER TAB	BA LITH-14-1PANA
BABRA	PANASONIC	3	1800	17.0 x 45.5	18	NONE	BA COMP-87
BABR12A	PANASONIC	3	650	17.0 x 23.0	N/A	NONE	BA COMP-94
BABR23AA	PANASONIC	3	600	14.5 x 33.5	N/A	NONE	BA COMP

3.6V LITHIUM CYLINDRICAL CELLS							
LITHIUM THILONYL CHLORIDE							
ORDERING CODE	MANUFACTURER	VOLTAGE	CAPACITY(mAh)	DIMENSIONS(mm)	CELL SIZE	TERMINAL	X-REF
BATL5101S	TADIRAN	3.6	950	14.5 x 25.2	1/2AA	STANDARD TIP	BA COMP-4
BATL5101T	TADIRAN	3.6	950	14.5 x 25.2	1/2AA	FLAT FLAT SOLDER TABS	BA COMP-4-1
BATL5101PT2	TADIRAN	3.6	950	14.5 x 25.2	1/2AA	2 PIN PC MOUNT	BA COMP-4-2
BATL5101P	TADIRAN	3.6	950	14.5 x 25.2	1/2AA	AXIAL PINS	BA COMP-4-5
BAER3#5TC	MAXELL	3.6	750	14.5 x 30.5	1/2AA	STANDARD TIP	BA COMP-4-MAX
BAER3STC	MAXELL	3.6	750	14.5 x 25.4	1/2AA	STANDARD TIP	BA COMP-4-MAX-S
BAER3#4AX5	MAXELL	3.6	750	14.5 x 30.5	1/2AA	AXIAL PINS	BA COMP-4-5-MAX
BATL5902S	TADIRAN	3.6	1200	14.5 x 25.2	1/2AA	STANDARD TIP	BA LITH-21
BATL5902P	TADIRAN	3.6	1200	14.5 x 25.2	1/2AA	AXIAL PINS	BA LITH-21-5
BATL5155S	TADIRAN	3.6	1450	14.5 x 33.5	2/3AA	STANDARD TIP	BA COMP-100
BATL5155T	TADIRAN	3.6	1450	14.5 x 33.5	2/3AA	FLAT FLAT SOLDER TABS	BA COMP-100-1
BATL5155PT2	TADIRAN	3.6	1450	14.5 x 33.5	2/3AA	2 PIN PC MOUNT	BA COMP-100-2
BATL5155PT	TADIRAN	3.6	1450	14.5 x 33.5	2/3AA	3 PIN	BA COMP-100-3
BATL5155P	TADIRAN	3.6	1450	14.5 x 33.5	2/3AA	AXIAL PINS	BA COMP-100-5
BATL5955S	TADIRAN	3.6	1650	14.5 x 33.5	2/3AA	STANDARD TIP	BA COMP-139
BATL5104S	TADIRAN	3.6	2100	14.5 x 50.5	AA	STANDARD TIP	BA COMP-6
BATL5104T	TADIRAN	3.6	2100	14.5 x 50.5	AA	FLAT FLAT SOLDER TABS	BA COMP-6-1
BATL5104PT2	TADIRAN	3.6	2100	14.5 x 50.5	AA	2 PIN PC MOUNT	BA COMP-6-2
BATL5104P	TADIRAN	3.6	2100	14.5 x 50.5	AA	FLAT FLAT SOLDER TABS	BA COMP-6-5
BAER6#5TC	MAXELL	3.6	1900	14.5 x 50.5	AA	NONE	BA COMP-6-MAX
BAER6WK9	MAXELL	3.6	1900	14.5 x 50.5	AA	CONNECTOR	BA COMP-6-WK9
BAER6#4AX	MAXELL	3.6	1900	14.5 x 50.5	AA	AXIAL PINS	BA COMP-6-5-MAX
BALS14500BA	SAFT	3.6	1900	14.5 x 50.5	AA	AXIAL PINS	BA COMP-6-SAFT
BATL2100S	TADIRAN	3.6	2100	14.5 x 50.5	AA	STANDARD TIP	BA LITH-10
BATL2100T	TADIRAN	3.6	2100	14.5 x 50.5	AA	FLAT FLAT SOLDER TABS	BA LITH10-1
BATL2100P	TADIRAN	3.6	2100	14.5 x 50.5	AA	AXIAL PINS	BA LITH-10-5
BATL5114S(vented)	TADIRAN	3.6	1900	14.5 x 50.5	AA	STANDARD TIP	BA LITH-11
BATL5903S	TADIRAN	3.6	2400	14.5 x 50.5	AA	STANDARD TIP	BA COMP-65
BATL5903P	TADIRAN	3.6	2400	14.5 x 50.5	AA	AXIAL PINS	BA COMP-65-5
BATL2150S	TADIRAN	3.6	950	14.5 x 25.2	1/2AA	STANDARD TIP	BA LITH-6
BATL2150T	TADIRAN	3.6	950	14.5 x 25.2	1/2AA	FLAT SOLDER TABS	BA LITH-6-1
BATL2150P	TADIRAN	3.6	950	14.5 x 25.2	1/2AA	AXIAL PINS	BA LITH-6-5
BATL5111S(vented)	TADIRAN	3.6	850	14.5 x 25.2	1/2AA	STANDARD TIP	BA LITH-7
BATL5902S	TADIRAN	3.6	1200	14.5 x 25.2	1/2AA	STANDARD TIP	BA LITH-21
BATL5902P	TADIRAN	3.6	1200	14.5 x 25.2	1/2AA	AXIAL PINS	BA LITH-21-5
BATL2200S	TADIRAN	3.6	7200	26.2 x 50.0	C	STANDARD TIP	BA LITH-14
BATL2200T	TADIRAN	3.6	7200	26.2 x 50.0	C	FLAT SOLDER TABS	BA LITH-14-1
BALSH14BA	SAFT	3.6	5200	26.1 x 50.0	C	NONE	BA LITH-14SAFT
BALS14T	SAFT	3.6	5200	26.1 x 50.0	C	FLAT SOLDER TABS	BA LITH-14-1SAFT
BATL5920S	TADIRAN	3.6	8500	26.2 x 50.0	C	STANDARD TIP	BA-LITH-14HC
BATL2300S	TADIRAN	3.6	16500	32.9 x 61.5	D	STANDARD TIP	BA LITH-15
BATL2300T	TADIRAN	3.6	16500	32.9 x 61.5	D	FLAT SOLDER TABS	BA LITH-15-1
BATL5930S	TADIRAN	3.6	19000	32.9 x 61.5	D	STANDARD TIP	BA-LITH-15HC
BATL5137S	TADIRAN	3.6	35000	32.9 x 124.5	DD	STANDARD TIP	BA LITH-16
BATL5137T	TADIRAN	3.6	35000	32.9 x 124.5	DD	FLAT SOLDER TABS	BA LITH-16-1
BAER1733#5TC	MAXELL	3.6	1500	17.0 x 36.0	2/3A	NONE	BA COMP-29-MAX
BAER1733T3	MAXELL	3.6	1500	17.0 x 34.0	2/3A	3 PIN	BA COMP-29-T3-MAX

3.6V LITHIUM CYLINDRICAL CELLS (Cont.)

LITHIUM THILONYL CHLORIDE

ORDERING CODE	MANUFACTURER	VOLTAGE	CAPACITY(mAh)	DIMENSIONS	CELL SIZE	TERMINAL	X-REF
BAER1733#4AX	MAXELL	3.6	1500	17.0 x 36.0	2/3A	AXIAL PINS	BA COMP-29-5-MAX
BAER1028#4AX	MAXELL	3.6	410	10.0 x 28.0	N	AXIAL PINS	BA COMP-64
BAER1028CONN	MAXELL	3.6	410	10.0 x 28.0	N	CONNECTOR	BA COMP-84

SILVER OXIDE BUTTON CELLS

Anode: Gelled Mixture of Zinc Powder & Electrolyte

Cathode: A Mix of Silver Oxide & Conductor

Electrolyte: Sodium Hydroxide or Potassium Hydroxide.

Applications: Watches, Calculators, Photoelectric Exposure Devices, Hearing Aids, and Electronic Instruments.

NOMINAL

EVEREADY	DURACELL	RAYOVAC	PANASONIC	ANSI, NEDA, IEC	X-REF	DRAIN	CAPACITY	CHEMISTRY	DIMENSIONS(mm)		WEIGHT(gr)
							(mAh)		(Dia. x Ht.)		
N/A	D361/362	361	SP 361	1173SO/SR58	S721, SR721W, RW410	HIGH	22	SILVER OXIDE	7.9	2.1	0.44
396	D396/397	396	SP396	1163SO/SR59	S726, SR726W, RW411	HIGH	35	SILVER OXIDE	7.9	2.7	0.56
392	D384/392	392	SP392	1135SO/SR41	S736, SR41W, RW47	HIGH	35	SILVER OXIDE	7.8	3.6	0.61
N/A	N/A	312G	N/A	1179SO/SR41	N/A	ULTRA	38	SILVER OXIDE	7.8	3.6	0.61
393	D309/393	317	SP393	1137SO/SR48	S754, SR754SW, RW48	HIGH	90	SILVER OXIDE	7.8	5.4	1.04
N/A	N/A	13G	N/A	1181SO/SR48	N/A	ULTRA	85	SILVER OXIDE	7.8	5.4	1.04
370	D370/371	370	SP370	1188SO/SR69	SR920W, RW415	HIGH	35	SILVER OXIDE	9.5	2.1	0.6
399	D395/399	399	SP399	1165SO/SR57	S926, SR927W, RW413	HIGH	53	SILVER OXIDE	9.5	2.7	0.79
391	D381.391	391	SP391	1160SO/SR55	N/A	HIGH	43	SILVER OXIDE	11.6	2.1	0.83
389	D389/390	389	SP389	1138SO/SR54	S1131, SR1130W, RW49	HIGH	85	SILVER OXIDE	11.6	3	1.21
386	D301/386	386	SP386	1133SO/SR43	S1142, SR43W, RW44	HIGH	120	SILVER OXIDE	11.6	4.2	1.56
357	D303/357	357	SP357	1131SO/SR44	RW42, S1154, SR44SW	HIGH	190	SILVER OXIDE	11.6	5.35	2.22
N/A	N/A	675G	N/A	1184SO/SR44	N/A	ULTRA	190	SILVER OXIDE	11.6	5.35	2.22
317	D317	317	SP317	1185SO/SR62	RW326, SR516SW	LOW	11	SILVER OXIDE	5.8	1.65	0.18
379	D379	379	SP379	1191SO/SR63	SR521SW, RW327	LOW	14	SILVER OXIDE	5.8	2.15	0.23
319	D319	319	SP319	1186SO/SR64	SR527SW, RW335	LOW	14	SILVER OXIDE	5.8	2.7	0.26
321	N/A	321	SP321	1174SO/SR65	SR616SW, RW321	LOW	14	SILVER OXIDE	6.8	1.65	0.24
364	D364	364	SP364	1175SO/SR60	S621, SR621SW	LOW	19	SILVER OXIDE	6.8	2.15	0.33
377	D377	377	SP377	1176SO/SR66	S626, SR626SW	LOW	26	SILVER OXIDE	6.8	2.6	0.4
315	N/A	315	SP315	1187SO/SR67	RW316, SR716SW	LOW	16	SILVER OXIDE	7.9	1.65	0.32
362	D361/362	362	SP362	1158SO/SR68	S721, SR721SW	LOW	22	SILVER OXIDE	7.9	2.1	0.44
397	D396/397	397	SP397	1164SO/SR59	S725, SR726SW	LOW	35	SILVER OXIDE	7.9	2.7	0.56
329	N/A	329	SP329		SR731SW	LOW	36	SILVER OXIDE	7.9	3.1	0.6
384	D384/392	384	SP384	1134SO/SR41	S736, SR41SW, RW37	LOW	35	SILVER OXIDE	7.8	3.6	0.61
373	N/A	373	SP373	1172SO/SR68	SR916SW, RW317	LOW	24	SILVER OXIDE	9.5	1.65	0.44
371	D370/371	371	SP371	1171SO/SR69	SR920SW, RW315	LOW	35	SILVER OXIDE	9.5	2.1	0.61
395	D395/399	395	SP395	1162SO/SR57	S926, SR927SW, RW313	LOW	53	SILVER OXIDE	9.5	2.7	0.81
394	N/A	394	SP394	1161SO/SR45	S936, SR936SW, RW33	LOW	64	SILVER OXIDE	9.5	3.6	0.96
381	D381/391	381	SP381	1170SO/SR55	S1121, SR1120SW, RW30	LOW	43	SILVER OXIDE	11.6	2.1	0.8
390	D389/390	390	SP390	1159SO/SR54	S1131, SR1130SW, RW39	LOW	85	SILVER OXIDE	11.6	3	1.21
344	N/A	344	SP344	1139SO/SR42	SR1136SW, RW36	LOW	105	SILVER OXIDE	11.6	3.6	1.35
393	D309/393	393	N/A	1137SO/SR48	S754, SR754SW, RW48	LOW	72	SILVER OXIDE	11.6	3.05	1.4
394	N/A	394	N/A	1161SO/SR45	S936, SR936SW, RW33	LOW	72	SILVER OXIDE	11.6	3.05	1.4
395	D395/399	395	N/A	1162SO/SR57	S926, SR927SW, RW313	LOW	72	SILVER OXIDE	11.6	3.05	1.4

ZINC/AIR CELLS

Anode: Amalgamated Zinc Powder and Electrolyte

Cathode: Oxygen (O₂)

Electrolyte: Potassium Hydroxide (Koh)

Applications: Hearing Aids, Pagers, Electric Vehicles

HEARING AID BATTERIES

DURACELL	EVEREADY	RAYOVAC	PANASONIC	CAPACITY(mAh)	VOLTAGE	NEDA/IEC
N/A	EV AC5	N/A	PA PR-5 PA	33	1.4	7012ZD/PR63
DC DA10H	EV AC10/230	RV L10ZA	PA PR-10 PA	70	1.4	7005ZD/PR70/PR536
DC DA13H	EV AC13	RV L13ZA	PA PR-13 PA	255	1.4	7000ZD/PR48
DC DA312H	EV AC312	RV L312ZA	PA PR-312 PA	130	1.4	7002ZD/PR41

MEDICAL ZINC AIR

DURACELL	EVEREADY	RAYOVAC	PANASONIC	CAPACITY(mAh)	VOLTAGE	NEDA/IEC
DC DA675H	EV AC675	RV L675ZA	PA PR-675 PA	600	1.4	7003ZD/PR44
DC DA146	EV AC146X	N/A	N/A	1100	1.4	7004Z

NICAD SINGLE CELLS 1.2V

Anode: Cadmium

Cathode: Nickel Oxyhydroxide Ni(OH)₂

Electrolyte: Aqueous Potassium Hydroxide (Koh)

Applications: Calculators, Digital Cameras, Pagers, Lap Tops, Tape Recorders, Flashlights, Medical Devices (E.g., Defibrillators), Electric Vehicles, and Space Applications

**SANYO NICAD
STANDARD CHARGE N SERIES**

ORDERING CODE	TYPE	CHEMISTRY	VOLTAGE	CAPACITY(mAh)	DIMENSIONS(mm)	GRAMS	SIZE
BAN50AAA	STANDARD(N)	NICAD	1.2	50	10.5 x 16	8	1/3AAA
BAN110AA	STANDARD(N)	NICAD	1.2	110	14.5 x 17	7	1/3AA
BAN120TA	STANDARD(N)	NICAD	1.2	120	7.8 x 42.5	6	TA
BAN150N	STANDARD(N)	NICAD	1.2	150	12 x 30	9	N
BAN250AAA	STANDARD(N)	NICAD	1.2	250	10.5 x 45	11	AAA
BAN270AA	STANDARD(N)	NICAD	1.2	270	14.5 x 30	14	2/3A
BAN500A	STANDARD(N)	NICAD	1.2	500	17 x 28	19	2/3A
BAN600AA	STANDARD(N)	NICAD	1.2	600	14.2 x 50.5	23	AA
BAN1000SC	STANDARD(N)	NICAD	1.2	1000	23.0 x 34.0	39	4/5SC
BAN1300SC	STANDARD(N)	NICAD	1.2	1300	23.0 x 43	50	SC
BAN4000DL	STANDARD(N)	NICAD	1.2	4000	33.0 x 60.0	160	D

STANDARD CHARGE KR SERIES

ORDERING CODE	TYPE	CHEMISTRY	VOLTAGE	CAPACITY(mAh)	DIMENSIONS(mm)	GRAMS	SIZE
BAKR600AAL	STANDARD(KR)	NICAD	1.2	600	14.2 x 48.7	21	AA
BAKR1300SC	STANDARD(KR)	NICAD	1.2	1300	23.0 x 43	45	SC
BAKR1500SC	STANDARD(KR)	NICAD	1.2	1500	23.0 x 43	47	SC
BAKR4400D	STANDARD(KR)	NICAD	1.2	4400	33.0 x 61.5	145	D
BAKR7000F	STANDARD(KR)	NICAD	1.2	7000	33.0 x 91	230	F
BAKR10000M	STANDARD(KR)	NICAD	1.2	10000	43.0 x 91	400	M
BAKR20000M	STANDARD(KR)	NICAD	1.2	20000	43.0 x 146	640	M

NICAD SINGLE CELLS 1.2V (Cont.)

HIGH CAPACITY E SERIES

ORDERING CODE	TYPE	CHEMISTRY	VOLTAGE	CAPACITY(mAh)	DIMENSIONS(mm)	WEIGHT(gr)	SIZE
BAKR600AE	HIGH CAPACITY(E)	NICAD	1.2	600	17.0 x 128	18	2/3A
BAKR800AAE	HIGH CAPACITY(E)	NICAD	1.2	800	14.2 x 150.5	23	AA
BAKR1100AAU	HIGH CAPACITY(E)	NICAD	1.2	1100	14.2 x 150	24	AA
BAKR1200AAE	HIGH CAPACITY(E)	NICAD	1.2	1200	14.2 x 165	31	7/5AA
BAKR1100AEL	HIGH CAPACITY(E)	NICAD	1.2	1100	17.0 x 143	28	4/5A
BAKR1200AUL	HIGH CAPACITY(E)	NICAD	1.2	1200	17.0 x 143	29	4/5A
BAKR1400AE	HIGH CAPACITY(E)	NICAD	1.2	1400	17.0 x 150	31	A
BAKR1500AUL	HIGH CAPACITY(E)	NICAD	1.2	1500	17.0 x 143	31	4/5A
BAKR1700AU	HIGH CAPACITY(E)	NICAD	1.2	1700	17.0 x 150	36	A
BAKR1800SCE	HIGH CAPACITY(E)	NICAD	1.2	1800	23.0 x 143	47	SC
BAKR2300SCE	HIGH CAPACITY(E)	NICAD	1.2	2300	23.0 x 150	58	5/4SC
BAKR5000DEL	HIGH CAPACITY(E)	NICAD	1.2	5000	33.0 x 160	150	D

FAST CHARGE R SERIES

ORDERING CODE	TYPE	CHEMISTRY	VOLTAGE	CAPACITY(mAh)	DIMENSIONS(mm)	WEIGHT(gr)	SIZE
BAN500AR	FAST CHARGE(R)	NICAD	1.2	500	17.0 x 128	19	2/3A
BAN1250SCRL	FAST CHARGE(R)	NICAD	1.2	1250	23.0 x 134	43	4/5SC
BAN1300SCR	FAST CHARGE(R)	NICAD	1.2	1300	23.0 x 143	52	SC
BAN1700SCR	FAST CHARGE(R)	NICAD	1.2	1700	23.0 x 143	54	SC
BAN1900SCR	FAST CHARGE(R)	NICAD	1.2	1900	23.0 x 143	54	SC
BAN2500CR	FAST CHARGE(R)	NICAD	1.2	2500	25.8 x 150	81	C
BAN3000CR	FAST CHARGE(R)	NICAD	1.2	3000	25.8 x 150	84	C
BAN4000DRL	FAST CHARGE(R)	NICAD	1.2	4000	33.0 x 160	160	D

HIGH TEMPERATURE H SERIES

ORDERING CODE	TYPE	CHEMISTRY	VOLTAGE	CAPACITY(mAh)	DIMENSIONS(mm)	WEIGHT(gr)	SIZE
BAKRAAH	HIGH TEMP(H)	NICAD	1.2	600	14.2 x 148.7	23	AA
BAKR43AH	HIGH TEMP(H)	NICAD	1.2	1200	17.0 x 167	41	4/3A
BAKR SCH	HIGH TEMP(H)	NICAD	1.2	1200	23.0 x 143	46	SC
BAKRCH2.	HIGH TEMP(H)	NICAD	1.2	2000	25.8 x 150	72	C
BAKRCH2.5	HIGH TEMP(H)	NICAD	1.2	2500	25.8 x 150	74	C
BAKRDHL	HIGH TEMP(H)	NICAD	1.2	4000	33.0 x 160	145	D
BAKRFH	HIGH TEMP(H)	NICAD	1.2	7000	33.0 x 191	230	F
BAKRMH	HIGH TEMP(H)	NICAD	1.2	10000	43.0 x 191	400	M

HEAT RESISTANT K SERIES

ORDERING CODE	TYPE	CHEMISTRY	VOLTAGE	CAPACITY(mAh)	DIMENSIONS(mm)	WEIGHT(gr)	SIZE
BAN270AAK	HEAT RESIST(K)	NICAD	1.2	270	14.5 x 130	14	2/3AA
BAN600AAK	HEAT RESIST(K)	NICAD	1.2	600	14.2 x 150.5	23	AA
BAN1200SCK	HEAT RESIST(K)	NICAD	1.2	1200	23.0 x 143	52	SC
BAN1700SCK	HEAT RESIST(K)	NICAD	1.2	1700	23.0 x 143	56	SC
BAN2000CK	HEAT RESIST(K)	NICAD	1.2	2000	25.8 x 150	80	C

EXTENDED SERVICE C SERIES

ORDERING CODE	TYPE	CHEMISTRY	VOLTAGE	CAPACITY(mAh)	DIMENSIONS(mm)	WEIGHT(gr)	SIZE
BAN250AAAC	EXT LIFETIME(C)	NICAD	1.2	270	10.5 x 144.5	11	AAA
BAN270AAC	EXT LIFETIME(C)	NICAD	1.2	300	14.5 x 30	14	2/3AA

NICAD SINGLE CELLS 1.2V (Cont.)

EXTENDED SERVICE C SERIES (cont.)

ORDERING CODE	TYPE	CHEMISTRY	VOLTAGE	CAPACITY(mAh)	DIMENSIONS(mm)	WEIGHT(gr)	SIZE
BAN350AAC	EXT LIFETIME(C)	NICAD	1.2	350	14.5 x 30	15	2/3AA
BAN500AC	EXT LIFETIME(C)	NICAD	1.2	500	17 x 228	19	2/3A
BAN700AAC	EXT LIFETIME(C)	NICAD	1.2	700	14.2 x 50.5	23	AA
BAN1200SCC	EXT LIFETIME(C)	NICAD	1.2	1200	22.9 x 43.0	52	SC
BAN1700SCC	EXT LIFETIME(C)	NICAD	1.2	1700	22.9 x 42.9	56	SC

MEMORY BACKUP S SERIES

ORDERING CODE	TYPE	CHEMISTRY	VOLTAGE	CAPACITY(mAh)	DIMENSIONS(mm)	WEIGHT(gr)	SIZE
BAN50AAAS	MEMORY BACKUP(S)	NICAD	1.2	45	11 x 16	4	1/3AAA
BAN100AAS	MEMORY BACKUP(S)	NICAD	1.2	100	15 x 17	8	1/3AA
BAN150NS	MEMORY BACKUP(S)	NICAD	1.2	135	12.5 x 30	9	N
BAN220AAAS	MEMORY BACKUP(S)	NICAD	1.2	200	10.5 x 44.4	14	(AAA)
BAN270AAS	MEMORY BACKUP(S)	NICAD	1.2	250	15 x 30	14	2/3AA
BAN550AAS	MEMORY BACKUP(S)	NICAD	1.2	500	15 x 50.5	24	AA
BAN50SB1	MEMORY BACKUP(S)	NICAD	1.2	45	11.0 x 19.5	5	SPECIAL
BAN50SB2	MEMORY BACKUP(S)	NICAD	2.4	45	11.0 x 35.0	9	SPECIAL
BAN50SB3	MEMORY BACKUP(S)	NICAD	3.6	45	11.0 x 50.5	12	SPECIAL

PANASONIC NI-CAD SINGLE CELLS STANDARD N TYPE

*Low Resistance

*Excellent Discharge

ORDERING CODE	TYPE	VOLTAGE	CAPACITY(mAh)	DIMENSIONS(mm)	WEIGHT(gr)	SIZE
BAP11AAFT	STANDARD(N)	1.2	120	14.5 x 17.5	6.5	1/3AA
BAP18NFT	STANDARD(N)	1.2	190	12.0 x 30.0	8	N
BAP22AAA	STANDARD(N)	1.2	250	10.5 x 44.5	10	AAA
BAP25AAA	STANDARD(N)	1.2	280	10.5 x 44.5	10	AAA
BAP60AA	STANDARD(N)	1.2	640	14.5 x 50.0	21	AA
BAP70AA	STANDARD(N)	1.2	700	14.5 x 50.0	22	AA
BAP240C	STANDARD(N)	1.2	2600	25.8 x 50.0	75	C
BAP440D	STANDARD(N)	1.2	4400	33.0 x 61.0	139	D

HIGH CAPACITY S TYPE

*Hi Capacity

*Compact Dimension

ORDERING CODE	TYPE	VOLTAGE	CAPACITY(mAh)	DIMENSIONS(mm)	WEIGHT(gr)	SIZE
BAP60AS	HIGH CAPACITY(S)	1.2	660	17.0 x 28.5	18	2/3A
BAP80AASFT	HIGH CAPACITY(S)	1.2	880	14.5 x 48.3	20	AA
BAP100AASJ	HIGH CAPACITY(S)	1.2	1080	14.5 x 50.0	23	AA
BAP100AASJFT	HIGH CAPACITY(S)	1.2	1080	14.5 x 50.0	23	AA
BAP110AS	HIGH CAPACITY(S)	1.2	1180	17.0 x 43.0	25	4/5A
BAP110AASFT	HIGH CAPACITY(S)	1.2	1180	14.5 x 65.0	29	L-AA
BAP120AS	HIGH CAPACITY(S)	1.2	1280	17.0 x 43.0	26	4/5A
BAP120AASFT	HIGH CAPACITY(S)	1.2	1280	14.5 x 65.0	31	L-AA
BAP130ASJ	HIGH CAPACITY(S)	1.2	1 HR	17.0 x 43.0	26.5	4/5A
BAP140AS	HIGH CAPACITY(S)	1.2	1 HR	17.0 x 50.0	32	A
BAPP150AS	HIGH CAPACITY(S)	1.2	1530	17.0 x 43.0	27	4/5A

NICAD SINGLE CELLS 1.2V (Cont.)

HIGH CAPACITY S TYPE

*Hi Capacity

*Compact Dimension

ORDERING CODE	TYPE	VOLTAGE	CAPACITY(mAh)	DIMENSIONS(mm)	WEIGHT(gr)	SIZE
BAP160AS	HIGH CAPACITY(S)	1.2	1690	17.0 x 50.0	33	A
BAP230SCS	HIGH CAPACITY(S)	1.2	2490	23.0 x 50.0	57	L-SC

RAPID CHARGE TYPE

*1-hr Rapid Charge

ORDERING CODE	TYPE	VOLTAGE	CAPACITY(mAh)	DIMENSIONS(mm)	WEIGHT(gr)	SIZE
BAP22AARFT	FAST CHARGE(R)	1.2	250	10.5 x 44.5	10	AAA
BAP25AAARFT	FAST CHARGE(R)	1.2	280	10.5 x 44.5	10	AAA
BAPAAARFT	FAST CHARGE(R)	1.2	330	14.5 x 28.2	12	2/3AA
BAP60AARFT	FAST CHARGE(R)	1.2	640	14.5 x 48.3	21	AA
BAP70AARCFT	FAST CHARGE(R)	1.2	740	14.5 x 48.3	22	AA
BAP120SCRJ	FAST CHARGE(R)	1.2	1370	23 x 34	39	4/5SC
BAP120SCRJ	FAST CHARGE(R)	1.2	1350	23.0 x 33	38	4/5SC
BAP130CC	FAST CHARGE(R)	1.2	1450	23 x 42	47	CSC
BAP130SCR	FAST CHARGE(R)	1.2	1450	23 x 43	47	SC
BAP140SCC	FAST CHARGE(R)	1.2	1550	23.0 x 42.0	48	CSC
BAP140SCR	FAST CHARGE(R)	1.2	1550	23.0 x 43.0	48	SC
BAP180SCR	FAST CHARGE(R)	1.2	1950	23.0 x 43.0	49	SC
BAP28CR	FAST CHARGE(R)	1.2	3000	25.8 x 50.0	79	C
BAP500DR	FAST CHARGE(R)	1.2	5500	33.0 x 61.0	145	D

P TYPE

*Hi Rate Dischg&Rapid Chg

ORDERING CODE	TYPE	VOLTAGE	CAPACITY(mAh)	DIMENSIONS(mm)	WEIGHT(gr)	SIZE
BAP120CPJ	HI RATE DISC/CHG(P)	1.2	1350	23.0 x 34.0	39	4/5SC
BAP120SCPM	HI RATE DISC/CHG(P)	1.2	1350	23.0 x 43.0	47	SC
BAP170SCRCP	HI RATE DISC/CHG(P)	1.2	1800	23.0 x 43.0	49	SC
BAP200SCP	HI RATE DISC/CHG(P)	1.2	2100	23.0 x 43.0	52	SC

H TYPE

*Superior trickle charge at high temperature

ORDERING CODE	TYPE	VOLTAGE	CAPACITY(mAh)	DIMENSIONS(mm)	WEIGHT(gr)	SIZE
BAP50AAHFT	SUPERIOR CHG/HI TEMP(H)	1.2	580	14.5 x 48.3	21	AA
BAP120AH	SUPERIOR CHG/HI TEMP(H)	1.2	1250	17.0 x 67.0	43	L-A
BAP120SCH	SUPERIOR CHG/HI TEMP(H)	1.2	1350	23.0 x 43.0	48	SC
BAP230CH	SUPERIOR CHG/HI TEMP(H)	1.2	2500	25.8 x 50.0	78	C
BAP400DH	SUPERIOR CHG/HI TEMP(H)	1.2	4400	33.0 x 61.0	139	D

K TYPE

*Superior trickle charge characteristics at low temp

ORDERING CODE	TYPE	VOLTAGE	CAPACITY(mAh)	DIMENSIONS(mm)	WEIGHT(gr)	SIZE
BAP11AAHFT	SUPERIOR TRICK LOW TEMP(K)	1.2	120	14.5 x 17.5	6.5	1/3AA
BAP50AAHFT	SUPERIOR TRICK LOW TEMP(K)	1.2	580	14.5 x 14.3	21	AA
BAP120AH	SUPERIOR TRICK LOW TEMP(K)	1.2	1250	17.0 x 67.0	43	L-A
BAP120SCH	SUPERIOR TRICK LOW TEMP(K)	1.2	1350	23.0 x 43.0	48	SC

NICAD SINGLE CELLS 1.2V (Cont.)

K TYPE

*Superior trickle charge characteristics at low temp

ORDERING CODE	TYPE	VOLTAGE	CAPACITY(mAh)	DIMENSIONS(mm)	WEIGHT(gr)	SIZE
BAP230CH	SUPERIOR TRICK LOW TEMP(K)	1.2	2500	25.8 x 50.0	78	C
BAP400DH	SUPERIOR TRICK LOW TEMP(K)	1.2	4400	33.0 x 61.0	139	D

NICKEL METAL HYDRIDE CYLINDRICAL CELLS

Anode: Rare-earth or Nickel Alloys with Many Metals

Cathode: Nickel Oxyhydroxide

Electrolyte: Potassium Hydroxide

Applications: Cellular Phones, Camcorders, Emergency Backup Lighting, Power Tools, Laptops, Portable, Electric Vehicles

SANYO TWICELL NICKEL METAL HYDRIDE

ORDERING CODE	CHEMISTRY	VOLTAGE	CAPACITY(mAh)	DIMENSIONS(mm)	WEIGHT(gr)	SIZE
BAHR3U	NIMH	1.2	1600	14.2 x 50.0	27	AA
BAHR4U	NIMH	1.2	700	10.5 x 44.5	13	AAA
BARC3000H	NIMH	1.2	3000	23 x 43.5	61	SC
BAHRAAU	NIMH	1.2	650	10.5 x 44.5	13	AAA
BAHR54AAAU	NIMH	1.2	700	10.5 x 50.0	15	5/4 AAA (long AAA)
BAHR53AAAU	NIMH	1.2	920	10.5 x 67.0	19	5/3 AAA
BBAHRAAU	NIMH	1.2	1400	14.2 x 50.0	27	AA
BAHRAAC	NIMH	1.2	950	14.2 x 50.0	27	AA
BAHRAAUL	NIMH	1.2	1300	14.2 x 49.0	27	(AA)
BAHR45AUC	NIMH	1.2	1600	17.0 x 43.0	35	4/5A
BAHR3U	NIMH	1.2	1600	N/A		AA
BAHR45AU	NIMH	1.2	1900	17.0 x 43.0	35	4/5 A
BAHRAU	NIMH	1.2	2450	17.0 x 50.0	40	A
BAHR43AU	NIMH	1.2	3000	17.0 x 67.0	55	4/3 A
BAHR43FAU	NIMH	1.2	3000	18.0 x 67.0	62	4/3 F
BAHRSC	NIMH	1.2	2200	23.0 x 43.0	59	SC

SANYO TWICELL NICKEL METAL HYDRIDE PRISMATIC-SLIM-RECTANGULAR

ORDERING CODE	CHEMISTRY	VOLTAGE	CAPACITY(mAh)	DIMENSIONS(mm)	WEIGHT(gr)	SIZE
BAHFC1U	NIMH	1.2	600	17 x 6.1 x 35.5	12	RECTANGULAR
BAHFB1U	NIMH	1.2	880	17 x 6.1 x 48	18	RECTANGULAR
BAHFB2U	NIMH	1.2	950	17 x 8.3 x 48	24	RECTANGULAR
BAHFA1U	NIMH	1.2	1350	17 x 6.1 x 67.0	26	RECTANGULAR

PANASONIC NICKEL METAL HYDRIDE

ORDERING CODE	CHEMISTRY	VOLTAGE	CAPACITY(mAh)	DIMENSIONS(mm)	WEIGHT(gr)	SIZE
BAHHR70QA	NIMH	1.2	670	8.4 x 67.0	13	LL-AAAA
BAHHR55AAAFT	NIMH	1.2	550	10.5 x 44.5	12	AAA
BAHHR60AAAFT	NIMH	1.2	600	10.5 x 44.5	13	AAA
BAHHR65AAAJFT	NIMH	1.2	650	10.5 x 44.5	13	AAA
BAHHR65AAA	NIMH	1.2	650	10.5 x 50.0	14	L-AAA
BAHHR70AAA	NIMH	1.2	700	10.5 x 50.0	15	L-AAA

NICKEL METAL HYDRIDE CYLINDRICAL CELLS (Cont.)

PANASONIC NICKEL METAL HYDRIDE

ORDERING CODE	CHEMISTRY	VOLTAGE	CAPACITY(mAh)	DIMENSIONS(mm)	GRAMS	SIZE
BAHHR75AAA	NiMH	1.2	750	10.5 x 50.0	15	L-AAA
BAHHR95AAA	NiMH	1.2	950	10.5 x 67.0	18	LL-AAA
BAHHR110AAO	NiMH	1.2	1100	14.5 x 50.0	26	AA
BAHHR120AA	NiMH	1.2	1150	14.5 x 43.0	23	4/5 AA
BAHHR130AA	NiMH	1.2	1300	14.5 x 50.0	26	AA
BAHHR150AA	NiMH	1.2	1500	14.5 x 50.0	26	AA
BAHHR160A	NiMH	1.2	1600	17.0 x 43.0	31	4/5 A
BAHHR200A	NiMH	1.2	2000	17.0 x 43.0	32	4/5 A
BAHHR210A	NiMH	1.2	2100	17.0 x 50.0	38	A

PRISMATIC TYPE

Mainly for portable communication and audio devices

ORDERING CODE	CHEMISTRY	VOLTAGE	CAPACITY(mAh)	DIMENSIONS(mm)	WEIGHT(gr)	SIZE
BAHMF75S(4)	NiMH	1.2	730	48.2 x 17.3 x 6.1	17	RECT
BAHMF125T(5)	NiMH	1.2	1250	67.3 x 17.3 x 6.1	27	RECT

EVEREADY NiMH RECHARGEABLES

ORDERING CODE	SIZE	CHEMISTRY	VOLTAGE	CAPACITY(mAh)	WEIGHT(gr)	CARTON(cards)
EVNH50BP2	D	NiMH	1.2	2200	73	6
EVNH35BP2	C	NiMH	1.2	2200	60	6
EVNH15BP2	AA	NiMH	1.2	1600	27	6
EVNH15BP4	AA	NiMH	1.2	1600	27	6
EVNH12BP2	AAA	NiMH	1.2	700	12	6
EVNH12BP4	AAA	NiMH	1.2	700	12	6
EVNH22NBP	9V	NiMH	1.2	150	41	6

EVEREADY CHARGERS

ORDERING CODE	CELL SIZES	CHEMISTRY	WEIGHT(gr)	CARTON	CHARGE TIME(approx)
EVCHM4AAB	4-AA, 4-AAA, 1 or 2 9V	NiCD, NiMH	317.5	3	15 hrs.
EVCHM4FC	1 or 2 AA/AAA, C, D, 9V	NiCD, NiMH	902.7	3	NiMH-4hrs, NiCD-3hrs

RAYOVAC NICKEL METAL HYDRIDE RECHARGEABLE BATTERIES

ORDERING CODE	SIZE	CHEMISTRY	VOLTAGE	CAPACITY(mAh)	CARTON(Cards)
RVNM7132	D	NiMH	1.2	2200	6
RVNM7142	C	NiMH	1.2	2200	6
RVNM7152	AA	NiMH	1.2	1600	6
RVNM7154	AA	NiMH	1.2	1600	6
RVNM7242	AAA	NiMH	1.2	700	6
RVNM7244	AAA	NiMH	1.2	700	6
RVNM16041	9V	NiMH	1.2	150	6

RAYOVAC CHARGERS

ORDERING CODE	CELL SIZES	CHEMISTRY	WEIGHT(gr)	CARTON
RVPS1 R	4-AA, 4-AAA	ALK-NiCD-NiMH	266.5	3
RVPS3 R	8-AA, 8-AAA, 4-C, 4-D	ALK-NiCD-NiMH	861.8	3
RVPS4B	4-AA, 4-AAA OR 2 9V	NiCD-NiMH	230	2
(1 HOUR CHARGER)				
SFH2AA	AA	NiMH	1.2	1200

NICKEL METAL HYDRIDE CYLINDRICAL CELLS (Cont.)

SAFT AGAIN AND AGAIN NIMH RECHARGEABLES

BULB ORDERING CODE	SIZE	CHEMISTRY	VOLTAGE	CAPACITY(mAh)	CARTON(Cards)
SFH2AAA	AAA	NiMH	1.2	550	12
SFH2C	C	NiMH	1.2	2200	12
SFH2D	D	NiMH	1.2	2200	12
SFH9V	9V	NiMH	8.4	150	12

SAFT CHARGERS

ORDERING CODE	CELL SIZES	CHEMISTRY	FEATURES
SFH4AAKIT	4AA	NiMH	4AA IN 14HRS, INCL. 4AA
SFCC4H	AA, AAA, C, D, 9V	NiCD/NiMH	4 POSITION-8HR CHARGER

LEAD ACID BATTERIES

POWERSONIC SEALED LEAD ACID BATTERIES

ORDERING CODE	NOMINAL VOLTAGE	NOMINAL CAPACITY@	DISCHARGE CURRENT@	LENGTH		WIDTH		HEIGHT		APPROXIMATE WEIGHT		STANDARD TERMINAL
	(VOLTAGE)	20 HR RATE(AH)	20 HR RATE(mA)	in.	mm	in.	mm	in.	mm	lbs.	kgs.	Type
BAPS260	2	6	300	1.97	50	1.34	34	3.94	100	0.9	0.41	F1
BAPS445	4	4.5	225	1.89	48	2.09	53	3.70	94	1.4	0.65	F2
BAPS470	4	7	350	2.52	64	2.08	53	3.74	95	1.9	0.9	F1
BAPS490	4	9	450	3.97	101	1.73	44	3.74	95	2.8	1.28	F2
BAPS4100	4	10	500	4.02	102	1.97	50	3.72	94	3.1	1.4	F1
BAPS605	6	0.5	25	2.24	57	0.55	14	1.97	50	0.2	0.09	WL
BAPS610	6	1	50	2	51	1.65	42	2.0	51	0.6	0.3	F1
BAPS612	6	1.3	65	3.82	97	0.94	24	2.0	51	0.6	0.3	F1
BAPS628	6	2.8	140	2.6	66	1.3	33	3.66	98	1.25	0.57	F1
BAPS630	6	3	150	5.28	134	1.34	34	2.35	60	1.5	0.7	F1
BAPS632	6	3.2	160	2.6	66	1.3	33	4.65	116	1.5	0.7	F1
BAPS640	6	4.5	225	2.76	70	1.89	48	4.02	102	1.95	0.9	F1, WL
BAPS650L	6	5	250	2.63	67	2.63	67	3.78	96	2	0.9	S
BAPS665	6	6.5	325	3.86	98	2.2	56	4.05	103	3	1.4	P
BAPS670	6	7	350	5.95	151	1.34	34	3.70	94	3	1.4	F1
BAPS682	6	8	400	3.89	99	2.2	56	4.65	115	3.3	1.5	F1, WL
BAPS695	6	9.5	475	4.26	108	2.75	70	5.54	141	4.9	2.2	P
695TOY	6	9.5	475	4.26	108	2.75	70	5.54	141	4.9	2.2	TS or TH
BAPS6100	6	12	500	5.95	151	2	51	3.74	94	4.6	2.1	F1 or F2
BAPS6120	6	12	600	4.26	108	2.75	70	5.54	141	5.2	2.4	P or WL
6120TOY	6	12	600	4.26	108	2.75	70	5.54	141	5.2	2.4	TS or TH
BAPS6200	6	20	1000	6.18	157	3.27	83	4.92	125	8.2	3.7	NB
BAPS6360	6	36	1800	6.28	159	3.39	85	6.50	165	13.8	6.2	F2 or NB
BAPS832	8	3.2	160	5.28	134	1.42	86	2.49	63	1.9	0.85	F1
BAPS1208	12	0.8	40	3.78	96	0.98	25	2.42	62	0.8	0.35	WL
BAPS1212	12	1.2	60	3.82	97	1.65	42	2.00	51	1.3	0.6	F1
BAPS1220	12	2.2	110	7.01	178	1.34	34	2.36	60	1.9	0.85	F1
BAPS1223	12	2.3	115	7.17	182	0.94	24	2.42	62	1.76	0.8	PC
BAPS1229	12	2.9	145	7.01	178	1.34	34	2.36	60	2.2	1	F1
BAPS1230	12	3	150	5.23	134	2.64	67	2.36	60	2.6	1.2	F1
BAPS1250	12	5	250	3.54	90	2.76	70	4.01	102	4.1	1.9	F1 or F2
BAPS1270	12	7	350	5.95	151	2.56	65	3.70	94	5.7	2.6	F1

LEAD ACID BATTERIES (Cont.)

POWERSONIC SEALED LEAD ACID BATTERIES

ORDERING CODE	NOMINAL VOLTAGE	NOMINAL CAPACITY@	DISCHARGE CURRENT@	LENGTH		WIDTH		HEIGHT		APPROXIMATE WEIGHT		STANDARD TERMINAL
	(VOLTAGE)	20 HR RATE(AH)	20 HR RATE(mA)	in.	mm	in.	mm	in.	mm	lbs.	kgs.	Type
BAPS1282	12	8	400	3.86	98	4.4	112	4.65	118	6.7	3	F1
BAPS12100	12	12	500	5.95	151	4	102	4.00	102	9.2	4.2	F1 or F2
BAPS12120	12	12	600	5.95	151	3.86	98	3.86	96	9	4.1	F2
BAPS12120L	12	12	600	8.38	213	2.75	70	5.50	140	10.7	4.8	P
BAPS12180	12	18	900	7.13	181	3	76	6.59	165	13.1	5.9	F2 or NB
BAPS12260	12	26	1300	6.55	166	6.88	175	4.95	126	20.8	9.4	F2 or NB
BAPS12280	12	28	1400	6.54	166	4.95	126	6.89	175	19.4	8.8	NB
BAPS12330	12	33	1650	7.7	195.5	5.19	132	6.1	155	26.5	12	NB, U, AP, M, B
BAPS12400	12	40	2000	7.75	197	6.5	165	6.75	172	30.5	13.8	NB
BAPS12550	12	55	2750	9.04	230	5.45	138	8.15	207	41.1	18.7	NB, U, AP, M, B
BAPS12750	12	75	3750	10.25	260	6.6	168	8.15	207	54.7	24.86	NB, U, AP, M, B
BAPS121000	12	100	5000	12	305	6.6	168	8.15	207	65.7	29.8	NB, U, AP, M, B

TERMINAL TYPES

F1	F2	HP	NB	P	PC	S	TH
Faston	Faston	Heavy duty post	Nut & bolt (5mm)	Faston polarized	Pressure	Spring	Toy H-connector
0.187 x 0.032	0.250 x 0.032	(lead alloy) with	terminal post	(positive: F2;	contacts		
quick disconnect tabs	quick disconnect tabs	7.6mm diameter	with 6mm	negative: F1)			

PANASONIC SEALED LEAD ACID BATTERIES

PART NUMBER	VOLTS	CAPACITY(AH)		DIMENSION(inch)			WEIGHT(lbs)	ORDERING CODE CROSS	TERMINATION
		20HR. RATE	LENGTH	WIDTH	HEIGHT				
BALEAD214P	4	2.2	1.9	1.41	2.5	0.57	LC-S042R1P, LCS-214P	PRESSURE	
BALEAD414P	4	4.3	1.88	1.4	4.69	1.12	LC-S044R1P, LCS-414P	PRESSURE	
BALEAD6V13P	6	1.3	3.82	0.94	2.16	0.66	LC-R061R3P, LCR6V1.3P	.187 TAB	
BALEAD6V24P	6	2.4	2.6	1.3	4.11	1.15	LCR6V2.4P, LC-R062R4P	.187 TAB	
BALEAD6V32P	6	3.2	2.6	1.3	4.92	1.46	LCR6V3.2P, LC-R063R2P	.187 TAB	
BALEAD6V34P	6	3.4	5.28	1.34	2.6	1.37	LC-R063R4P, LCR6V3.4P	.187 TAB	
BALEAD6V4P	6	4	2.76	1.85	4.26	1.98	LC-RB064P, LCR6V4BP	.187 TAB	
BALEAD6V4PW	6	4	2.76	1.89	4.26	2.1	LCR6V4PL	WIRE & CONN	
BALEAD6V42P	6	4.3	1.88	2.03	4.69	2.1	LCR6V3PL	WIRE & CONN	
BALEAD6V5P	6	5	2.76	1.85	4.26	1.63	LC-S064R1PU	PRESSURE	
BALEAD6V65P	8	6.5	5.95	3.94	3.94	2.56	LC-RB066R5P, LCR6V6.5BP	.187 TAB	
BALEAD6V72P	8	7.2	5.95	3.94	3.94	2.78	LC-R067R2P, LCR6V7.2P	.187 TAB	
BALEAD6V10P	6	10	5.95	3.94	3.94	3.93	LC-RB0610P, LCR6V10BP	.187 TAB	
BALEAD6V10P250	6	10	5.95	3.94	3.94	3.93	LCR-6V10BP1	.250 TAB	
BALEAD6V12P	6	12	5.95	3.94	3.94	4.3	LC-R0612P, LCR6V12P	.187 TAB	
BALEAD218P	8	2.2	2.65	2.5	2.5	1.15	LC-S082R1P, LCS-218P	PRESSURE	
BALEAD318P	8	3.2	2.65	4.95	4.95	1.55	LC-S083R1P, LCS-318P	PRESSURE	
BALEAD12V13P	12	1.3	3.82	2.16	2.16	1.3	LC-R1213P, LCR12V1.3P	.187 TAB	
BALEAD12V22P	12	2.2	6.97	2.6	2.6	1.76	LC-R122R2P, LCR12V2.2P	.187 TAB	
BALEAD12V34P	12	3.4	5.28	2.6	2.6	2.65	LC-R123R4P, LCR12V3.4P	.187 TAB	
BALEAD12V4P	12	4	3.54	4.26	4.26	3.84	LC-R124P	.187 TAB	
BALEAD12V5P	12	5	3.54	4.26	4.26	4.25	LC-R125P, LCR12VP	.187 TAB	
BALEAD12V65P	12	6.5	5.95	3.94	3.94	5	LC-RB126R5P, LCR12V6.5BP	.187 TAB	

LEAD ACID BATTERIES (Cont.)

PANASONIC SEALED LEAD ACID BATTERIES

PART NUMBER	VOLTS	CAPACITY(AH)		DIMENSION (Inch)			WEIGHT (lbs)	ORDERING CODE CROSS	TERMINATION
		20HR. RATE	LENGTH	WIDTH	HEIGHT				
BALEAD12V65P250	12	6.5	5.95	3.94	3.94	5.05	LCR12V-6.5BP1	.250 TAB	
BALEAD12V72P	12	7.2	5.95	3.94	4.01	5.45	LC-R127R2P, LCR12V7.2P	.187 TAB	
BALEAD12V12P	12	12	5.95	4.01	6.57	8.6	LC-R1212P, LCR12V12PF	.187 TAB	
BALEAD12V17P	12	17	7.13	6.57	6.5	14.3	LC-RC1217P, LCR12V17CP	NUT & BOLT	
BALEAD12V20P	12	20	7.28	6.5	6.89	16.5	LCL-12V20P	NUT & BOLT	
BALEAD12V24PB	12	24	6.5	6.89	7.09	19.2	LC-L1224P, LCL12V24P	NUT & BOLT	
BALEAD12V33P	12	33	7.7	7.09	7.09	26.5	LC-LA1233P, LCL12V33AP	NUT & BOLT	
BALEAD12V38P	12	38	7.76	6.89	6.89	28.7	LC-L1238P, LCL12V38P	NUT & BOLT	
BALEAD12V65P	12	65	13.78	6.89	6.89	44.1	LC-L1265P, LCL12V65P	NUT & BOLT	
BALEAD12V75P	12	75	11.95	9.29	9.29	57.3	LCR12V75P	NUT & BOLT	
BALEAD12V100P	12	100	16.03	9.69	9.69	79.4	LCR12V100AP	NUT & BOLT	
BALEAD12V140P	12	140	19.89	10.12	10.12	114.7	LCR12V140P	NUT & BOLT	

YUASA SEALED LEAD ACID

ORDERING CODE	FLAME RET	CAPACITY(AH)		DIMENSION (Inch)			WEIGHT(lbs)	TERMINALS
		VOLTAGE	20HR. RATE	LENGTH	WIDTH	HEIGHT		
YUNP424H	FR AVAIL	4.0	4.2	1.89	1.4	4.68	1.23	FLAT
YUNP410	N/A	4.0	10.0	4.02	1.97	3.85	2.97	.250
YUNP126	N/A	6.0	1.2	3.82	0.98	2.15	0.66	.187 tab
YUNP36	N/A	6.0	3.0	5.28	1.33	2.52	1.43	.187 tab
YUNP46	N/A	6.0	4.0	2.76	1.85	4.15	1.87	.187
YUNP76	FR AVAIL	6.0	7.0	5.95	1.33	3.84	2.98	.187/.250
YUNP106	FR AVAIL	6.0	10.0	5.95	1.97	3.84	4.41	.187/.250
YUNP0812	FR AVAIL	12.0	0.8	3.78	0.98	2.42	0.77	NUT&BULT
YUNP1212	FR AVAIL	12.0	1.2	3.82	1.89	2.15	1.25	.187
YUNP212	N/A	12.0	2.0	5.91	0.79	3.50	1.54	.187
YUNP2312	FR AVAIL	12.0	2.3	7.01	1.34	2.52	2.07	.187
YUNP2612	FR AVAIL	12.0	2.6	5.28	2.64	2.52	2.47	.187
YUNP412	FR AVAIL	12.0	4.0	3.54	2.76	4.17	3.74	.187/.250
YUNP512	FR AVAIL	12.0	5.0	3.54	2.76	4.17	4.41	.187/.250
YUNP712	FR AVAIL	12.0	7.0	5.94	2.56	3.84	6.17	.187/.250
YUNP1212	FR AVAIL	12.0	12.0	5.94	3.86	3.84	8.82	.250
YUNP1812B	FR AVAIL	12.0	17.2	7.13	2.99	6.57	13.64	NUT&BOLT
YUNP2412	FR AVAIL	12.0	24.0	6.54	6.89	4.92	19.05	.250
YUNP2412	FR AVAIL	12.0	24.0	6.54	6.89	4.92	19.05	NUT&BOLT
YUNP2612B	N/A	12.0	26.0	6.54	4.92	6.89	20.50	THREADED
YUNP6512	FR AVAIL	12.0	65.0	13.78	6.54	6.85	50.20	NUT&BOLT

GATES/HAWKER CYCLON CELLS

HAWKER SINGLE CELLS

ORDERING NUMBER	DESCRIPTION	VOLTAGE	CAPACITY		DIMENSION(Inch)		WEIGHT	TABS
			AH	DIA	HEIGHT			
BAHKR08100004	D CELL	2	2.5	1.35	2.41	6.28 oz.	0.187	
BAHKR08600004	TALL D CELL	2	4.5	1.35	3.78	9.6 oz.	0.187	
BAHKR08000004	X CELL	2	5	1.75	2.87	12.77 oz.	0.25	
BAHKR08500004	E CELL	2	8	1.75	3.94	1.21 lb.	0.25	

LEAD ACID BATTERIES (Cont.)

HAWKER 6V 1X3 SHRINK WRAP

ORDERING CODE	DESCRIPTION	VOLTAGE	CAPACITY	DIMENSION (Inch)			WEIGHT
			AH	LENGTH	WIDTH	HEIGHT	
BAHKR08200004	BC CELL	2	25	2.57	6.25	3.49 lb.	POSTS
BAHKR08100102	1x3 D SHRINK WRAP TABS	6	2.5	4.05	1.48	2.66	1.23
BAHKR08100103	1x3 D SHRINK WIRE LEADS	6	2.5	4.05	1.48	2.66	1.25
BAHKR08000102	1x3 X SHRINK WRAP TABS	6	5	5.25	1.87	3.12	2.48
BAHKR08000103	1x3 X SHRINK WIRE LEADS	6	5	5.25	1.87	3.12	2.52

HAWKER 6V 1X3 ABS CASE

ORDERING CODE	DESCRIPTION	VOLTAGE	CAPACITY	DIMENSION (Inch)			WEIGHT
			A.H.	LENGTH	WIDTH	HEIGHT	
BAHKR08100011	1x3 D ABS CASE TABS	6	2.5	4.23	1.55	2.75	1.33
BAHKR08100077	1x3 D ABS CASE WIRE LDS.	6	2.5	4.23	1.55	2.75	1.37
BAHKR08000011	1x3 X ABS CASE TABS	6	5	5.44	1.96	3.16	2.71
BAHKR08000071	1x3 X ABS CASE WIRE LDS.	6	5	5.44	1.96	3.16	2.74

HAWKER 8V 5.0AH 1X4 SHRINK WRAP

ORDERING CODE	DESCRIPTION	VOLTAGE	CAPACITY	DIMENSION (Inch)			WEIGHT
			A.H.	LENGTH	WIDTH	HEIGHT	
BAHKR08000104	1x4 X SHRINK WRAP TABS	8	5	6.96	1.86	3.08	3.33
BAHKR08000105	1x4 X SHRINK WIRE LEADS	8	5	6.96	1.86	3.08	3.33

HAWKER 8V 5.0AH 1X4 ABS CASE

ORDERING CODE	DESCRIPTION	VOLTAGE	CAPACITY	DIMENSION (Inch)			WEIGHT
			A.H.	LENGTH	WIDTH	HEIGHT	
BAHKR08000027	1x4 X ABS CASE TABS	8	5	7.16	1.94	3.1	3.43
BAHKR08000081	1x4 X ABS CASE WIRE LDS.	8	5	7.16	1.94	3.1	3.43

HAWKER 12V 2X3 SHRINK WRAP

ORDERING CODE	DESCRIPTION	VOLTAGE	CAPACITY	DIMENSION (Inch)			WEIGHT
			A.H.	LENGTH	WIDTH	HEIGHT	
BAHKR08100114	2x3 D SHRINK WRAP TABS	12	2.5	4.05	2.82	2.67	2.48
BAHKR08100115	2x3 D SHRINK WIRE LEADS	12	2.5	4.05	2.82	2.67	2.5
BAHKR08000114	2x3 X SHRINK WRAP TABS	12	5	5.25	3.68	3.13	4.93
BAHKR08000115	2x3 X SHRINK WRAP TABS	12	5	5.25	3.68	3.13	4.97

HAWKER 12V 2X3 ABS AND STYRENE CASES

ORDERING CODE	DESCRIPTION	VOLTAGE	CAPACITY	DIMENSION (Inch)			WEIGHT
			A.H.	LENGTH	WIDTH	HEIGHT	
BAHKR08100008	2x3 D ABS CASE TABS	12	2.5	4.23	2.88	2.72	2.68
BAHKR08100067	2x3 D STYRENE CASE WIRE	12	2.5	4.23	2.97	2.73	2.63
BAHKR08000008	2x3 X ABS CASE TABS	12	5	5.44	3.7	3.14	5.34
BAHKR08000047	2x3 X STYRENE CASE WIRE	12	5	5.44	3.7	3.19	5.22

HAWKER 12V 1X6 SHRINK WRAP

ORDERING CODE	DESCRIPTION	VOLTAGE	CAPACITY	DIMENSION (Inch)			WEIGHT
			A.H.	LENGTH	WIDTH	HEIGHT	
BAHKR08100108	1x6 D SHRINK WRAP TABS	12	2.5	8.08	1.48	2.66	2.49

LEAD ACID BATTERIES (Cont.)

HAWKER 12V 1X6 SHRINK WRAP

ORDERING CODE	DESCRIPTION	VOLTAGE	CAPACITY		DIMENSION (Inch)			WEIGHT
			A.H.		LENGTH	WIDTH	HEIGHT	
BAHKR08100109	1x6 D SHRINK WIRE LEADS	12	2.5		8.08	1.48	2.66	2.52
BAHKR08000108	1x6 X SHRINK WRAP TABS	12	5		10.48	1.87	3.12	4.99
BAHKR08000109	1x6 SHRINK WRAP LEADS	12	5		10.48	1.87	3.12	5.03

HAWKER 12V 1X6 ABS CASE

ORDERING CODE	DESCRIPTION	VOLTAGE	CAPACITY		DIMENSION (Inch)			WEIGHT
			A.H.		LENGTH	WIDTH	HEIGHT	
BAHKR08100016	1x6 D ABS CASE TABS	12	2.5		8.25	1.55	2.74	2.74
BAHKR08100075	1x6 D ABS CASE WIRE LDS.	12	2.5		8.25	1.55	2.74	2.76
BAHKR08000016	1x6 X ABS CASE TABS	12	5		10.66	1.96	3.15	5.2
BAHKR08000072	1x6 X ABS CASE WIRE LDS.	12	5		10.66	1.96	3.15	5.24

HAWKER 4V MONOBLOC

ORDERING CODE	DESCRIPTION	VOLTAGE	CAPACITY		DIMENSION (Inch)			WEIGHT
			A.H.		LENGTH	WIDTH	HEIGHT	
BAHKR08190010	1x2 D MONOBLOC	4	2.5		3.13	1.81	2.75	0.8
BAHKR08090010	1x2 X MONOBLOC	4	5		3.8	2.12	3.02	1.62
BAHKR08590010	1x2 E MONOBLOC	4	8		3.81	2.13	4	2.11

HAWKER 6V MONOBLOC

ORDERING CODE	DESCRIPTION	VOLTAGE	CAPACITY		DIMENSION (Inch)			WEIGHT
			A.H.		LENGTH	WIDTH	HEIGHT	
BAHKR08190012	1x3 D MONOBLOC	6	2.5		4.48	1.81	2.75	1.15
BAHKR08090012	1x3 X MONOBLOC	6	5		5.48	2.12	3.02	2.16
BAHKR08590012	1x3 E MONOBLOC	6	8		5.48	2.13	4	3.15

HAWKER 8V MONOBLOC

ORDERING CODE	DESCRIPTION	VOLTAGE	CAPACITY		DIMENSION (Inch)			WEIGHT
			A.H.		LENGTH	WIDTH	HEIGHT	
BAHKR08190014	1x4 D MONOBLOC	8	2.5		6.12	1.78	2.75	1.6
BAHKR08090014	1x4 X MONOBLOC	8	5		7.48	2.11	3.02	3.24
BAHKR08190019	2x2 D MONOBLOC	8	2.5		3.09	3.5	2.75	1.6
BAHKR08090019	2x2 X MONOBLOC	8	5		3.77	4.16	3.02	3.24
BAHKR08590019	2x2 E MONOBLOC	8	8		3.77	4.16	4	4.25

HAWKER 12V MONBLOC

ORDERING CODE	DESCRIPTION	VOLTAGE	CAPACITY		DIMENSION (Inch)			WEIGHT
			A.H.		LENGTH	WIDTH	HEIGHT	
BAHKR08190016	1x6 D MONOBLOC	12	2.5		8.8	1.78	2.75	2.3
BAHKR08090016	1x6 X MONOBLOC	12	5		10.88	2.11	3.02	4.32
BAHKR08590016	1x6 E MONOBLOC	12	8		10.94	2.11	4	6.3
BAHKR08190020	2x3 D MONOBLOC	12	2.5		4.43	3.5	2.75	2.3
BAHKR08090020	2x3 X MONOBLOC	12	5		5.47	4.16	3.02	4.32
BAHKR08590020	2x3 E MONOBLOC	12	8		5.47	4.16	4	6.3

POWERSONIC SEALED ACID BATTERY CHARGERS

CHARGER	MAX	USE WITH												
ORDERING	OUTPUT	BATTERY			U.L./ CSA		OUTPUT VOLTAGE (V)		OUTPUT CURRENT (A)		DIMENSIONS (Inch)			
CODE	mA	VOLTAGE	CAPACITY	LISTING	NOM.	RANGE	NOMINAL	MAX.	TYPE	LENGTH	WIDTH	HEIGHT	(lbs)	
BAPSC6300A	300	6VOLTAGE	1-5 AH	CSA	6	6.75 / 7.35	0.3	0.6	DUAL VOLT. AUTO.	2.2	1.96	1.88	0.5	
BAPSC6500A	500	6VOLTAGE	2-10 AH	U.L.	6	6.75 / 7.35	0.6	0.75	DUAL VOLT. AUTO.	2.55	1.88	2.89	0.8	
BAPSC61000A	1000	6VOLTAGE	4.5-12 AH	CSA	6	6.84 / 7.35	1	1	DUAL VOLT. AUTO.	2.75	2.75	3.75	1.36	
BAPSC64000A	4000	6VOLTAGE	20-40 AH	CSA	6	6.75 / 7.35	3.5	4	DUAL VOLT. AUTO.	5.7	5.8	3.3	6	
BAPSC12250F	375	12VOLTAGE	1-5 AH	U.L.	12	13.65	0.25	0.4	FIXED VOLT. FLOAT	2.2	1.96	1.88	0.5	
BAPSC12500F	600	12VOLTAGE	2-10 AH	U.L.	12	13.65	0.5	0.6	FIXED VOLT. FLOAT					
BAPSC12500A	500	12VOLTAGE	2-10 AH	U.L.	12	13.50 / 14.70	0.5	0.6	DUAL VOLT. AUTO					
BAPSC-12800A	800	12VOLTAGE	4-12 AH	CSA	12	13.68 / 14.70	0.8	0.8	DUAL VOLT. AUTO	2.75	2.75	3.75	1.36	
BAPSC122000A	2000	12VOLTAGE	10-20 AH	PENDING	12	13.50 / 14.70	2	2	DUAL VOLT. AUTO	5.5	3.5	2.75	4.5	
BAPSC124000A	4000	12VOLTAGE	17-40 AH	CSA	12	13.50 / 14.70	4	4.75	DUAL VOLT. AUTO.	5.7	5.8	3.3	6	
BAPSC12-10A	10000	12VOLTAGE	60-100 AH	—	12	13.50 / 14.70	10	10	DUAL VOLT. AUTO.	7.95	6.1	4.5	9	
BAPSC241000A	1000	24VOLTAGE	5-15 AH	PENDING	24	27.00 / 29.40	1	1	DUAL VOLT. AUTO.	5.5	3.5	2.75	4.5	

PANASONIC CORDLESS PHONE BATTERIES

ORDERING CODE	CHEMISTRY	TYPE	VOLTS	CAPACITY(mAh)	CASE	CROSS	PHONES
BA P-P201 PA/1B	NiCd	5	3.6	110	12	KX-A37	PANASONIC
BA P-P202 PA/1B	NiCd	6	3.6	110	12	KX-A38	PANASONIC
BA P-P301 PA/1B	NiCd	2	3.6	300	12	KX-A36A	PANASONIC, UNIDEN, SONY, TOSHIBA
BA P-P302 PA/1B	NiCd	3	3.6	300	12	N/A	GE, SANYO, COBRA, BELL
BA P-P303 PA/1B	NiCd	4	3.6	300	12	N/A	AT&T, GE, SEARS
BA P-P304 PA/1B	NiCd	9	3.6	300	12	N/A	BELL SOUTH
BA P-P305 PA/1B	NiCd	14	3.6	300	12	N/A	PANASONIC
BA P-P501 PA/1B	NiCd	1	3.6	600	12	N/A	PANASONIC 900MHZ, UNIDEN, COBRA
BA P-P543 PA/1B	NiCd	43	3.6	600	12	KX-A43	PANASONIC 900MHZ
BA P-P592 PA/1B	NiCd	92	3.6	600	12	KX-A92	PANASONIC 900MHZ
BA P-P507 A/BA1	NiCd	18	3.6	N/A	6	N/A	N/A
BA P-P508 A/1B	NiCd	19	3.6	N/A	12	N/A	N/A
BA PA HHR-P 505 A/1B	NiMh	13	3.6	1300	12	KX-TCA14	2.4G PANASONIC CORDLESS
BA PA HHR-P 401 A/1B	NiMh	16	3.6	1150	12	N/A	2.4G PANASONIC CORDLESS
BA PA HHR-P506 A/1B	NiMh	17	3.6	1500	12	N/A	N/A
BA PA HHR-P509 A/1B	NiMh	N/A	N/A	N/A	12	N/A	N/A

CORDLESS TOOLS

MAKITA

ORDERING CODE	STYLE	FITS BRAND	OEM EQUILV	VOLTS	CAPACITY(mAh)	CASE
BA TOOL-UL7215	STICK	MAKITA	7000	7.2	1500	4
BA TOOL-UL9615MKS	STICK	MAKITA	9000	9.6	1500	4
BA TOOL-UL9619MKP1	POD	MAKITA	9101	9.6	1800	4
BA TOOL-UL9622MK	POD	MAKITA	9120	9.6	1800	4
BA TOOL-UL9613MK	POD	MAKITA	9100	9.6	1300	4
BA TOOL-UL1219MK	POD	MAKITA	1201	12	2000	4
BA TOOL-UL1214MK	POD	MAKITA	1200	12	1400	4
BA TOOL-UL1219MKP1	POD	MAKITA	1222	12	2000	4
BA TOOL-UL1214MKS	STICK	MAKITA	1210	12	1400	4
BA TOOL-UL1419MK	POD	MAKITA	1400	14.4	2000	4
BA TOOL-UL1819MK	POD	MAKITA	1822	18	2000	4
CHARGER		MAKITA	UL9000CH	9.6V		4

CORDLESS TOOLS (Cont.)

MILWAUKEE

ORDERING CODE	STYLE	FITS BRAND	OEM EQUILV	VOLTS	CAPACITY(mAh)	CASE
BATOOLUL1214MW	POD	MILWAUKEE	48110140	12	1400	4
BA TOOLUL1219MW	POD	MILWAUKEE	48110200	12	2000	4
BA TOOLUL1819MW	POD	MILWAUKEE	48112200	18	2000	4

PANASONIC

ORDERING CODE	STYLE	FITS BRAND	OEM EQUILV	VOLTS	CAPACITY(mAh)	CASE
BATOOLUL9619EPA	POD	PANASONIC	EY9180B	9.6	1900	4
BATOOLUL9619FPA	POD	PANASONIC	EY9106B	12	1900	4

LAND MOBILE/TWO WAY RADIO

MOTOROLA-2 WAY RADIO

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
NLN7162A	7.5	600	NICD	2.2 x 2.56 x 1.01	M7162	RC, E

HT50 SERIES

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
NTN5453	10	1200	NICD	5.51 x 2.56 x .79	M5453	RC

HT90 SERIES

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
NLN7434A	12.5	630	NICD	6.33 x 2.55 x .74	M7434	RC
NLN7435A	12.5	630	NICD	6.33 x 2.55 x .74	M7435	SC, E

HT220 OMNI

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
NLN6761A	15	600	NICD	2.76 x 2.18 x 1.25	M6761	SC
NLN6900B	15	600	NICD	2.76 x 2.18 x 1.25	M6900	RC

HT220 SLIMLINE

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
NLN6682A	15	250	NICD	2.76 x 2.18 x .76	M6682	SC

HT440 SERIES

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
NLN7694A	12.5	630	NICD	6.33 x 2.55 x .74	M7694	RC

HT600 SERIES

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
NTN5414	10	1100	NICD			
NTN5415	10	1200	NICD	3.31 x 2.62 x 1.41	M5415	RC, FM
NTN7016A	10	1200	NIMH	2.31 x 2.62 x 1.41	M7016	RC

HT600/HT800 (LIGHT GREY)

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
EXPO HIGH CAPACITY						
NTN4584A	10	630	NICD	2.31 x 2.62 x 1.41	M4584	RC, E
NTN5414A	10	1100	NICD	3.31 x 2.62 x 1.41	M5414	RC

LAND MOBILE/TWO WAY RADIO (Cont.)

HT750/HT1250 SERIES

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
HNN9008		1200	NIMH	—	N/A	N/A

MT500 & HT 220 OMNI

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
NLN4463B	15	600	NICD	2.76 x 2.18 x 1.25	M4463	DC

MT500 & HT 220 SLIMLINE

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
NLN4462B	15	250	NICD	2.76 x 2.18 x .76	M4462	RC

MT1000/MTX800/900 SERIES

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
NTN5447	10	1100	NICD	2.31 x 2.62 x 1.4	M5447	RC
NTN5448	10	1200	NICD	3.31 x 2.62 x 1.40	M5448	RC, FM
NTN7015A	10	1200	NIMH	2.31 x 2.62 x 1.4	M7015	RC

MT2000/HT1000/MTX8000/9000 SERIES

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
NTN7143	7.5	1300	NICD	6.08 x 2.35 x .82	M7143	RC
NTN7144	7.5	1500	NICD	6.08 x 2.35 x .82	M7144	RC, E
WPNN4013A	7.5	2100	NIMH	6.08 x 2.35 x .82	M7144H	RC
NT7341A	7.5	1500	NICD	6.08 x 2.35 x .82	M7341	RC, FM
NTN7372A	7.5	1200	NICD	6.08 x 2.35 x .82	M7372	RC,FM

MX 300 SERIES (HIGH CAPACITY)

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
NLN5860B	7.5	1400	NICD	3.7 x 2.75 x 1.44	M5860	RC, E

MX300 SERIES AND RDX

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
NLN5860B	7.5	1400	NICD	3.7 x 2.75 x 1.44	M8840	RC, FM

RADIUS GP300

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
HNN8308A	7.5	650	NICD	5.5 x .66 x 2.3	M8308	RC
HNN9628A	7.5	1200	NICD	5.5 x .66 x 2.3	M9628	RC, E
HNN9628A	7.5	1200	NIMH	5.5 x .66 x 2.3	M9628H	RC
HNN9701A	7.5	1200	NICD	5.5 x .66 x 2.3	M9701	RC, E, FM

RADIUS GP350

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
HNN9360A	7.5	1200	NICD	5.38 x 1.56 x .44	M9360	RC

P10/P50SERIES

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
HNN9044	7.5	550	NICD	2.25 x 1.99 x .71	M9044	RC
HNN9044A	9	1000	ALKALINE	2.25 x 1.99 x .71	M9044ALK	

LAND MOBILE/TWO WAY RADIO (Cont.)

P10/P50SERIES (Cont.)

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
HNN9027	10.8	600	NICD	3.37 x 1.99 x .71	M9027	RC
NTN5451	9	1000	NICD			

P100 SERIES

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
NTN5451A	10	1200	NICD	5.52 x 2.57 x .79	M5451	RC

P110 SERIES

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
HNN8148	7.5	1200	NICD	6.04 x 2.38 x .71	M8148	RC

P200 SERIES

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
NTN5440	10	1200	NIMH	3.3 x 2.61 x 1.41	M5440	RC

P200/P210 SERIES

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
NTN5521A	10	1200	NICD	3.31 x 2.62 x 1.39	M5521	RC, E
NTN5531A	10	630	NICD	2.04 x 2.62 x 1.39	M5531	RC

P1225 SERIES

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
HNN9049A	7.5	1200	NICD	4.31 x 2.28 x .83	M9049	RC

SABER

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
NTN4538	7.5	1100	NICD	3.25 x 2.88 x 1.13	M4538	RC, FM
NTN4593C	7.5	1100	NICD	3.25 x 2.88 x 1.13	M4593	RC, E
NTN4595C	7.5	1800	NICD	4.00 x 2.88 x 1.13	M4595	RC
NTN4596C	7.5	1800	NICD	4.00 x 2.88 x 1.13	M4596	RC, FM
NTN7014AR	7.5	1200	NIMH	3.25 x 2.88 x 1.13	M7014	RC

SP50 SERIES

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
HNN9044	7.5	550	NICD			
HNN9018	7.5	1200	HIGH CAPACITY	3.35 x 2.01 x .68	M9018	RC

STX

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
NTN4326A	7.5	1300	NICD	2.46 x 2.74 x 1.4	M4326	RC, E
NTN4327A	7.5	1400	NICD	3.74 x 2.74 x 1.40	M4327	RC
NTN4327B	7.5	1800	NICD	3.74 x 2.74 x 1.41	M4327B	RC
NTN4500A	7.5	1800	NICD	3.74 x 2.74 x 1.42	M4500	RC, FM

VISAR SERIES

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
NTN7394	7.5	1300	NIMH	N/A	N/A	N/A

LAND MOBILE/TWO WAY RADIO (Cont.)

VISAR SERIES

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
NTN7395BR	7.5	1500	NIMH	4.0 x 2.31 x .56	M7394	RC
NTN7395AR	7.5	1200	NICD	4.0 x 2.31 x .56	M7395	RC

SPIRIT SERIES

ORDERING CODE	VOLTS	CAPACITY(mAh)	CHEMISTRY	DIMENSIONS(Inch)	CROSS	NOTES
HNN9056		550	NICD	N/A	N/A	N/A
ECM9056		900	NIMH	N/A	N/A	N/A

IDEN(NEXTEL) SERIES

ORDERING CODE	CAPACITY(mAh)	CHEMISTRY	FOR:
NTN8100	1250	NiMH	i280, i370XL, i390, i470, i600
NTN8614	900	LITH ION	i1000, i1000+, i2000
NTN8971	1100	NiMH	i500+, i550+, i700+
SNN5705	750	LITH ION	—
SNN5716	1300	LITH ION	—
SNN5717	450	LITH ION	i505X, i85S
NTN1675	725	NiMH	i500+, i550+, i700+
NTN8609	600	NiMH	—
NTN8522	1100	NiMH	—

BULBTRONICS ALSO SOURCE BATTERIES FOR:

AEROTRON	HAEWA	NEXTEL
ASCOM, BOSCH	HALLICRAFTER	PACE
BENDIX, KING	ICOM	PLECTRON
EF JOHNSON	KENWOOD	RCA
ERICSSON, GE	MAXON	REGENCY
FEDERAL SIGNAL	MIDLAND	UNIDEN

BATTERY CROSS REFERENCE

ALKALINE BATTERY CROSS REFERENCE

SIZE	NEDA	ANSI	Duracell	Energizer	Gold	IEC	Maxell	Military	Rayovac	Panasonic	Sony
N	910A	MN9100	E90	910A	KN	—	AM5	810	LR1SG	LR1G	4001
AA	15A	MN1500 MX1500	E91	15A	KAA	BA3058/U	AM3	815	LR6SG	LR6G	4006
AAA	24A	MN2400 MX2400	E92	24A	K3A	—	AM4	824	LR03SG	LR03G	4003
C	14A	MN1400	E93	14A	KC	BA3042/U	AM2	814	LR14SG	LR14G	4014
D	13A	MN1300	E95	13A	KD	BA3030/U	AM1	813	LR20SG	LR20G	4020
AAAA	25A	MN2500	E96	—	—	—	—	—	—	—	4061
Lantern	918A	MN918	521	1604A	K9V	BA3090/U	6AM6	A1604	6LR61SG	6LF22	4022
9-V	1604A	MN1064	522	1604A	K9V	BA3090/U	6AM6	A1604	6LR61SG	6LF22	4022
Lantern	915A	—	528	—	—	—	—	—	—	—	—
Lantern	908A	MN908	529	—	—	—	—	—	—	—	—
J	1412AP	7K67	539	—	KJ	—	—	867	—	4LR61	4018

CARBON ZINC BATTERY CROSS-REFERENCE

ANSI											
NEDA	DURACELL	ENERGIZER	GOLD	IEC	MAXELL	MILITARY	RAYOVAC	PANASONIC	SONY	TOSHIBA	VARTA
15F	M15F	1015	15S	LR6	—	BA58	7AA	UM3	R6PSR	R6SG	2006

CARBON ZINC BATTERY CROSS-REFERENCE (cont.)											
ANSI											
NEDA	DURACELL	ENERGIZER	GOLD	IEC	MAXELL	MILITARY	RAYOVAC	PANASONIC	SONY	TOSHIBA	VARTA
908D	—	1209	—	4R25	—	—	944	—	—	—	431
24D	—	1212	24G	R03	—	—	—	UM4N	R03SB	R03UG	—
15D	M15SHD	1215	15G	LR6	SUM3	—	5AA	UM3N	R6PUSB	R6UG	3006
1604D	M9VSHD	1222	1604G	6F22	S006	—	D1604	006PN	6F22SB	RF22UG	3022
14D	M14SHD	1235	14G	R14	SUM2	—	4C	UM2N	R14PUSB	R14UG	3014 2614
13D	M13SHD	1250	13G	R20	SUM1	BA90/U	6D	UM1N	R20PUSB	R20UG	3020 2620
1604	M1604	216	1604S	6F22	—	BA200/U	1604	006P	—	—	2022
908	M908	509	908S	4R25	—	BA803/U	941	4F	—	—	2014
915	M915	510S	—	4R25	—	BA42	942	—	—	—	2020
14F	M14F	935	14S	R14	—	BA30	1C	UM2	R14PSR	R14SG	1014
13F	M13F	950	13S	R20	—	—	20	UM1	R20PSR	R20SG	1020
1611	—	206	—	—	—	—	—	—	—	—	—
1602	—	246	—	6F50-2	—	—	—	—	—	—	439
1605	—	266	—	—	—	—	—	—	—	—	—
1603	—	276	1603S	6F100	—	—	—	—	—	—	—
208	—	411	—	10F20	—	BA331/U	—	—	—	—	71
215	—	412	—	15F20	—	BA261/U	—	15	—	—	V72PX
210	—	413	—	20F20	—	BA305/U	—	—	—	—	73
213	—	415	—	30F20	—	—	—	—	—	—	—
217	—	416	—	—	—	—	—	—	—	—	—
201	—	455	—	30F40	—	BA56	—	—	—	—	—
200	M200	467	—	45F40	—	BA51	—	—	—	—	—
728	—	489	—	152F40	—	—	—	—	—	—	—
722	—	493	—	—	—	BA291/U	—	—	—	—	—
741	PF497	497	—	336F20	—	—	1012	—	—	—	—
220	M504	504	—	10F15	—	BA332/U	—	W10E	—	—	V74PX
221	M505	505	—	15F15	—	BA333/U	—	MV15E	—	—	76
15CD	—	EV115	—	LR6	—	—	HD-AA	UM3D	—	—	—
1604D	—	EV122	—	6F22	—	—	HD-9V	006PD	—	—	—
14CD	—	EV135	—	R14	—	—	HD-C	UM2D	—	—	—
15C	MG15	EV15	—	LR6	—	BA58	GPAA	—	—	—	—
13CD	—	EV150	—	R20	—	—	HD-D	UM-D	—	—	222
1604D	M9VSHD	EV22	—	6F22	—	—	GP-9V	—	—	—	—
14C	MG14	EV35	—	R14	—	—	GP-C	—	—	—	—
13C	MG13	EV50	—	R20	—	—	GP-D	—	—	—	—
908C	MG908	EV90	—	4R25	—	—	GP-6V	—	—	—	—
908CD	—	EV90HP	—	4R25	—	—	—	—	—	—	—
205C	—	HS14196	—	30R6	—	—	—	—	—	—	—

LITHIUM (COIN) BATTERY CROSS-REFERENCE											
ANSI, NEDA, IEC	DURACELL	ENERGIZER	GOLD PEAK	IEC	MAXELL	PANASONIC	RAYOVAC	RENATA	TOSHIBA	VARTA	
5033LC	DL1025	CR1025	—	CR1025	—	CR1025	—	—	—	—	
5034LC	DL1216	CR1216	—	CR1216	—	CR1216	—	CR1216	CR1216	CR1216	
5012LC	—	CR1220	CR1220	CR1220	—	CR1220	—	CR1220	—	CR1220	
5020LC	—	CR1225	—	CR1225	—	—	—	CR1225	—	—	
5021LC	DL1616	CR1616	CR1616	CR1616	CR1616	CR1616	—	CR1616	CR1616	CR1616	

LITHIUM (COIN) BATTERY CROSS-REFERENCE (Cont.)

ANSI, NEDA, IEC	DURACELL	ENERGIZER	GOLD PEAK	IEC	MAXELL	PANASONIC	RAYOVAC	RENATA	TOSHIBA	VARTA
5009LC	DL1620	CR1620	—	CR1620	—	CR1620	—	CR1620	—	CR1620
—	—	CR2012	—	CR2012	—	CR2012	—	—	—	—
5000LC	DL2016	CR2016	CR2016	CR2016	CR2016	CR2016	—	CR2016	CR2016	CR2016
5003LC	DL2025	CR2025	CR2025	CR2025	CR2025	CR2025	CR2025	CR2025	CR2025	CR2025
5004LC	DL2032	CR2032	CR2032	CR2032	CR2032	CR2032	CR2032	CR2032	CR2032	CR2032
5020LC	—	CR2320	—	CR2320	—	CR2320	—	CR2320	—	CR2320
5011LC	DL2430	CR2430	CR2430	CR2430	—	—	CR2430	CR2430	CR2430	CR2430
5029LC	DL2450	CR2450	—	CR2450	—	—	—	—	CR2450	CR2450

PHOTO LITHIUM BATTERY CROSS-REFERENCE

DURACELL	ENERGIZER	GOLD PEAK	KODAK	MAXELL	MILITARY	PANASONIC	SONY	VARTA
DL1/3N	2L76	—	K58L	4LR44	—	—	—	CR1/3N
DL123A	EL123AP	CR123A	K123LA	CR123	K123LA	CR123A	CR123A	CR123A
DLCR2	EL1CR2	CR2	KCR2	—	—	CR2	CR2	CR2
DL223A	EL223AP	CR-P2	K223LA	CR17-33	—	CR-P2	CR-P2	CR-P2
DL245	EL2CR5	2CR5	KL2CR5	2CR5	—	2CR5	2CR5	2CR5
—	L522	—	—	—	—	—	—	—
PX28L	L544	—	K28L	—	—	—	—	V28PXL
—	L91	—	—	—	—	—	—	—

MAGNESIUM DIOXIDE BATTERY CROSS-REFERENCE

ANSI, NEDA, IEC	DURACELL	ENERGIZER	GOLD PEAK	IEC	PANASONIC	RAYOVAC	SONY	TOSHIBA	VARTA
1167A	D186A D186 LR43	186	GP86A G15R	LR43	LR43	186-1 RW84	LR43 186	LR43	V12GA
1168A	D189A D189	189	GP89A	LR54	LR1130	189-1 RW89	189	LR1130	V10GA
1169A	D191A D191	191	GP91A	LR55	LR1120	—	191	LR1120	V8GA
—	—	192	GP92A	LR41	LR41	RW87	192	LR1120	V3GA
—	—	193	GP93A	LR48	—	—	—	—	—
1811A	MN21	A23	GP23A	—	—	—	—	—	V23GA
1166A	PX76A R44	A76	GP76A	LR44	LR44H LR44	A76-1 W82	LR44 A76	LR44	V13GA
1414A	PX28A	A544	—	4LR44	4LR44	—	—	—	—
—	PX625A	E625G	—	—	—	—	—	—	V625U

SILVER OXIDE (COIN) BATTERY CROSS-REFERENCE

ANSI, NEDA, IEC	AWI	BULOVA	CITIZEN	DURACELL	GOLD PEAK	IEC	JIS	MAXELL	PHILIPS	RAYOVAC	RENATA	SEIKO	TIMEX	VARTA
1132SO	S04	226	280-01	D301	301	301	SR43	GS12	SR43SW	—	301	301	SB-A8	D V301
1130SO	S05	—	280-08	D303	303	303	SR44	GS14	SR44SW	—	303	303	SB-A9	A V303
1136SO	—	70T	—	D309	309	—	SR48	GS5	SR754SW	—	309	309	—	— V309
—	—	—	—	—	311	—	SR910SW	—	—	—	—	—	—	—
—	—	—	280-06	—	313	—	—	—	—	313	—	—	—	—
—	—	—	—	—	314	—	SR716W	—	SR716W	—	—	—	—	—
1187SO	—	614	280-56	—	315	315	SR67	—	SR716SW	—	315	—	SB-AT	HA —
1185SO	—	616	280-58	D317	317	317	SR62	—	SR516SW	—	317	—	SB-AR	CA —
1186SO	—	615	280-60	—	319	319	SR64	—	SR527SW	—	319	—	SB-AE/DE	— —
1174SO	—	611	280-73	D321	321	321	SR65	—	SR616SW	—	321	—	SB-AF/DF	DA —
—	—	—	—	—	323	323	—	—	—	—	323	—	SB-C3	C —

SILVER OXIDE (COIN) BATTERY CROSS-REFERENCE (Cont.)															
ANSI,NEDA,IEC	AWI	BULOVA	CITIZEN	DURACELL	GOLD PEAK	IEC	JIS	MAXELL	PHILIPS	RAYOVAC	RENATA	SEIKO	TIMEX	VARTA	
—	—	—	280-02	—	325	325	—	—	—	325	—	SB-C1	—	—	
—	—	—	—	D329	329	329	SR731SW	—	SR731SW	329	329	—	—	—	—
—	—	—	—	—	333	—	SR610SW	—	SR610SW	—	—	—	—	—	—
—	—	622	280-68	—	335	—	SR512SW	—	SR512SW	—	335	—	SB-AB	—	—
—	—	—	—	—	337	337	SR416SW	—	SR416SW	—	337	—	—	—	—
—	—	—	—	—	339	—	SR614SW	—	SR614SW	—	339	—	—	—	—
1192SO	—	627	—	—	341	—	SR714SW	—	SR714SW	—	341	—	—	—	—
—	—	218	280-05	—	343	343	—	—	—	343	—	—	B	—	—
1139SO	—	242	—	—	344	—	SR42	—	SR1136SW	—	344	—	—	—	—
—	—	628	280-66	—	346	—	SR713SW	—	SR721W	—	346	—	SB-DH	—	—
—	—	—	—	D350	350	—	SR42	—	—	—	350	—	—	—	—
—	—	—	—	—	354	354	—	—	—	—	354	—	SB-C8	—	—
1131SO	S05	228	280-62	D357H	357	357	SR44	G13	SR44W	357	357	357	SB-B9	J	V357
1173SO	S23	—	280-53	—	361	—	SR58	—	SR721W	—	361	—	SB-BK/EK	X	—
1158SO	S12	601	280-29	D362	362	362	SR58	—	SR721SW	362	362	362	SB-AG/DG	S	V362
1175SO	S14	602	280-34	D364	364	364	SR60	—	SR621SW	364	364	364	—	T	V364
—	—	—	—	—	365	—	SR1116W	—	SR1116W	—	—	—	—	—	—
1177SO	—	608	280-46	—	366	366	SR1116SW	—	SR1116SW	—	—	—	—	—	—
1180SO	S21	620	280-51	—	370	370	SR69	—	SR920W	370	370	370	SB-BN	Z	V370
1171SO	S18	605	280-31	D371	371	371	SR69	—	SR920SW	371	371	371	SB-AN	—	V371
1172SO	—	617	280-45	—	373	373	SR68	—	SR916SW	—	373	—	SB-AJ/DJ	WA	—
—	—	619	—	—	376	—	SR66	—	SR626W	—	—	—	—	MA	—
1176SO	S32	606	280-39	D377	377	377	SR66	—	SR626SW	377	377	377	SB-AW	BA	V377
1191SO	—	618	280-59	D379	379	379	SR63	—	SR521SW	—	379	—	SB-AC/DC	JA	V379
1170SO	S20	317	280-27	—	381	381	SR55	G58	SR1120SW	—	381	381	SB-AS/DS	—	V381
1134SO	—	247	280-18	D384	384	384	SR41	—	SR415W	—	384	384	SB-A1/D1	—	V384
1133SO	—	260	280-41	D386	386	386	SR43	G12	SR43W	386	386	386	SB-B8	H	V386
—	—	—	—	—	387S	—	—	—	—	—	387	—	—	—	—
1138SO	S09	626	280-15	D389	389	389	SR54	G10	SR1130W	389	389	389	SB-BU	M	V389
1159SO	S24	603	280-24	D390	390	390	SR54	—	SR1130SW	390	390	390	SB-AU	—	V390
1160SO	S11	609	280-30	D391	391	391	SR55	G8	SR1120W	—	391	391	SB-BS/ES	L	V391
1135SO	S13	247B	280-13	D392	392	392	SR41	G3	SR41W	392	392	392	SB-B1	K	V392
1137SO	—	255	—	D393	393	393	SR48	G5	SR754W	—	393	393	SB-B3	F	V393
1161SO	—	625	280-17	D394	394	394	SR45	—	SR936SW	—	394	—	SB-A4	—	—
1162SO	S28	610	280-48	D395	395	395	SR57	—	SR927SW	395	395	395	SB-AP/DP	LA	V395
1163SO	S17	612	280-52	D396	396	396	SR59	—	SR726W	396	396	396	SB-BL	V	V396
1164SO	S30	607	280-28	D397	397	397	SR59	—	SR726SW	—	397	397	SB-AL	N	V397
1165SO	S19	613	280-44	D399	399	399	SR57	—	SR927W	399	399	399	SB-BP/EP	W	V399
1406SO	—	—	—	—	544	—	4SR44	—	—	—	—	—	—	—	—
1107SO	—	—	—	—	EPX76	—	SR44	—	SR44P	—	—	—	—	—	—
1181SO	—	—	—	—	S13E	—	SR48	—	—	—	—	—	—	—	—
1179SO	—	—	—	—	S312E	—	SR41	—	—	—	—	—	—	—	—
1183SO	—	—	—	—	S41E	—	SR43	—	—	—	—	—	—	—	—
1184SO	—	—	—	—	S76E	S76E	SR44	—	—	—	—	—	—	—	—

ZINC AIR BATTERY CROSS-REFERENCE									
ANSI, NEDA, IEC	DURACELL	ENERGIZER	IEC	PANASONIC	RAYOVAC	RENATA	TOSHIBA	VARTA	
7000ZD	DA13	AC13	PR48	PR48	L13ZA	ZA13	PR48	V13AT	
7004Z	DA146	AC146X	—	—	—	—	—	—	
7005ZD	DA10	AC10	PR70	PR536	L10ZA	ZA10	PR536	V10AT	

ZINC AIR BATTERY CROSS-REFERENCE (Cont.)

ANSI, NEDA, IEC	DURACELL	ENERGIZER	IEC	PANASONIC	RAYOVAC	RENATA	TOSHIBA	VARTA
		230	PR536					
7002ZD	DA312	AC312	PR41	PR41	L312ZA	ZA312	PR41	V312AT
7012ZD	—	AC5	PR521	PR521	5A	—	—	V5AT
7003ZD	DA675	AC675	PR44	PR44	L675A	ZA675	PR44	V675AT

LEAD ACID BATTERY CROSS - EMERGENCY LIGHTING CROSS

CHLORIDE	DUAL-LITE	EMERGI-LITE	EXIDE	HAWKER/	LIGHT-GATES	LITHONIA ALARM	PANASONIC	POWER-	SURE-SONIC	YUASA LITE
100001A114	12-581	ME2	4V4	—	—	—	—	PS-445	—	—
100001A118	12-693	—	—	—	—	—	—	—	—	—
1000010161	—	—	—	—	—	—	—	—	—	—
—	12-580	M18	—	—	—	ELB0408	—	PS490	—	NP10-4
—	—	—	—	—	—	ELB0410	—	PS-4100	—	—
1000010145	12-609	6M1	M126	—	CE1-5AA	ELB0604	LCR6V4BP	PS-640	26-2 26-02	NP4-6
1000010148	12-255	—	Q4 Q5	—	CE1-5BF	ELB0605	LCR6V4P	—	26-78 26-117	—
1000010149	12-295	M1	—	—	CE1-5BK	—	LCR456P	—	—	—
					CE1-5BL	—	LCRB064P	—	—	—
					CE1-5BN	—	—	—	—	—
					CE1-5BS	—	—	—	—	—
1000010066	12-546	M2 6M2	—	—	CE1-5AU	—	LCR606P	PS-665	1000-02	—
1000010067	12-567	—	—	—	—	—	—	—	—	—
1000010135	—	—	—	—	—	—	—	—	—	—
1000010164	12-561	M2 6M2	6V5 6V6	—	CE1-5BQ	LL-BE-1	LCR6V6.5BP	PS-670	26-45	NP6-6
		M-9(2-P)	—	—	—	ELB0608	LCR6V6.5P	—	—	NP7-6
1000010073	12-234	—	Q-7 Q-9	—	CE1-5AL	ELB0609	LCR756P	PS-682	26-1	—
1000010074	12-294	—	—	—	G-1 P-1	—	LCR856P	—	26-01	—
1000010078	12-521	—	—	—	—	—	—	—	26-81	—
1000010111	12-535	—	—	—	—	—	—	—	—	—
1000010113	—	—	—	—	—	—	—	—	—	—
1000010136	12-631	M3 6M3	6V10	—	CE1-5AC	ELB0610	LCR6V10BP	PS-6100	26-3	NP8-6
—	—	6M4(2-S)	Q-100	—	CE1-5AT	—	LCR6V10P	—	26-03	NP10-6
		P12M-4(2-S)	—	—	CE1-5BB	—	LCRB0610P	—	26-50	—
		6M6(4-P)	—	—	CE1-5BR	—	—	—	26-54	—
—	—	12M6(4-SP)	—	—	860.001	—	—	—	26-56	—
1000010076	12-702	M10	—	—	860.0007	—	—	PS-6360	26-04	—
1000010079	—	—	—	—	860.0006	—	—	—	26-1B	—
					CE1-5AD	—	—	—	26-132	—
					CE1-5AG	—	—	—	—	—
—	12-621	12M9	6V5K	—	—	—	LCR12V4BP	PS-1242	—	NP4-12
			6V6K	—	—	—	LCRB124P	PS1245	—	NP6-12
							LCR12V6.5BP	PS-1250	—	NP7-12
							LCRR126R5P	PS-1265	—	—
							LCR12V7.2P	PS-1270	—	—
—	—	—	—	—	CE1-5CB	—	—	PS-12180F2	—	—
					12V/18AH-F2	—	—	PS-12180NB	—	—
—	12-263	—	—	0810-0077	CE1-6AA	240533	—	—	23-7 26-17	—
—	12-530	—	—	0810-0103	V-2 V-3	240603	—	—	—	—
				0810-0202M	—	ELB0604LQ	—	—	—	—

LEAD ACID BATTERY CROSS - EMERGENCY LIGHTING CROSS (Cont.)										
CHLORIDE	DUAL-LITE	EMERGI-LITE	EXIDE	HAWKER/GATES	LIGHT-ALARM	LITHONIA	PANASONIC	POWER-SONIC	SURE-LITE	YUASA
					EMP0062501	—	—	—	—	—
					LL-PL-BE-3	—	—	—	—	—
					LL-BE-3	—	—	—	—	—
100001A123	12-269	—	—	0800-0103	CE1-6AB	240604	—	—	26-13	—
100001A125	12-531	—	—	—	CE1-6AJ	ELB0608LQ	—	—	—	—
				0800-0113	CE1-6HA	EMB0062503	—	—	—	—
					LL-PL-BE-5	—	—	—	—	—
—	12-704	880.0009	—	0809-0010	—	—	—	PSG450	—	—
	12-770	—	—	—	—	—	—	—	—	—
—	12-705	880.001	—	0859-0010	—	—	—	PSG-650	26-119	—
—	12-706	—	—	0809-0012	80-154	—	—	—	—	—
12-793	—	—	—	—	—	—	—	—	—	—
1000010162	12-707	80-159	—	0859-0012	—	—	—	PSG-680	26-120	—
		880.005	—	—	—	—	—	—	—	—
		6E11 E-11	—	—	—	—	—	—	—	—
—	12-708	80-153	—	0819-0012	—	—	—	PSG-625	26-118	—
		880.0005	—	—	—	—	—	—	—	—
		6E-1 E-1 E-9	—	0819-0062	80-153	—	—	—	—	—
1000010124	12-261	—	—	0810-0004	—	—	—	—	—	—
	12-542	—	—	—	—	—	—	—	—	—
1000010132	12-544	—	—	0800-0004	CE1-6AE	—	—	—	—	—
1000030011	—	—	—	—	—	—	—	—	—	—

HEARING AID CROSS REFERENCE					
HEARING AID	5	10	13	312	675
AARP	N/A	B0104	B0134	B3124	B6754
ACTIVAIR	5HP	10HP	13HP	312HP	675HP
BELTONE	B7PA	B20PA	B26PA	B347PA	B900PA
DURACELL	N/A	DA10H/ DA230	DA13H	DA312H	DA675H
ENERGIZER	N/A	AC230E	AC13E	AC312E	AC675E
MIRACLE EAR	ME5Z	ME10Z	ME8Z	ME7Z	ME9Z
PANASONIC	PR5PA	PR10PA	PR13PA	PR312PA	PR675PA
RADIO SHACK	N/A	RS10	RS13	RS312	RS675
RENATA	ZA5	ZA10	ZA13	ZA312	ZA675
SIEMENS	5SA	10SA	13SA	312SA	675SA
STARKEY	S5A	S10A	S13A	S312A	S675A
WALGREENS	W5ZA	W10ZA	W13ZA	W312ZA	W675ZA

WELCH ALLYN MEDICAL BATTERIES			
ORDERING CODE	VOLTS	CAPACITY	DESCRIPTION
WA72000	2.5	600	WELCH ALLYN 72000 MEDICAL BATTERY
WA72100	2.5	600	WELCH ALLYN 72100 MEDICAL BATTERY
WA72200	3.5	600	WELCH ALLYN 72200 MEDICAL BATTERY
WA72240	4.8	1800	WELCH ALLYN 72240 MEDICAL BATTERY
WA72300	3.6	800	WELCH ALLYN 722300 MEDICAL BATTERY
WA72500	3.6	110	WELCH ALLYN 72500 MEDICAL BATTERY
WA72600	2.5	600	WELCH ALLYN 72600 MEDICAL BATTERY
WA72610	2.5	600	WELCH ALLYN 72610 MEDICAL BATTERY
WA72700	7.2	75	WELCH ALLYN 72700 MEDICAL BATTERY
WA72900	2.4	600	WELCH ALLYN 72900 MEDICAL BATTERY

Log on and unlock “THE BRIGHTEST SOURCE ON EARTH” BULBTRONICS.COM

Secondary User Management is a valuable tool for any company or facility whose purchasing department (one bill-to) buys for multiple departments and employees (multiple ship-to's)...

- Enable employees to use Bulbtronics.com to source product
- Set up the level of access for each employee
- Control all quotes and purchases

Secondary User Management

Authorize others in your organization to access bulbtronics.com using one customer number and one bill-to address. Each Secondary User added to the list must register on their own (Register→Secondary User Registration). [Read this first.](#)

Registered User: Non-Registered User:

User's Profile								Total: 5 Free: 1 To: 5
NO.	Secondary User Name	Log In	Access Price & Cart	Order on-line	Access All Quotes	Access All Orders/Invoices	Access All Addresses	Action
1	GAIL WEST	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Remove
2	GENE BRODEN	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remove
3	JOHN SMITH	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remove
4	MARY CLARENDON	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remove
5	GREG TAYLOR	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remove

HELP
[Secondary User Management Defined](#) [User Profile](#) [How to Set-up](#)

Go to Page 211 for features you can only find on-line

Log on and unlock "THE BRIGHTEST SOURCE ON EARTH" BULBTRONICS.COM

Register and unlock Bulbtronics.com for features and benefits only found on-line like...

- The largest selection of bulb, battery and related lighting products updated daily
- Color images, specification lists, availability and pricing for every product in our extensive database
- Downloadable and printable sections of the Product Guide
- Specials, new products, manufacturer's showcase
- Product identification – "Ask Fran"

 **Ask Fran** **Product Identification** 

Can't find what you need? We'll help you find it! Please fill in as much information as you have, and we'll get back to you.

* Required

*First Name

*Last Name

Customer Number

Your job title/function

Company Name

*Phone

ex: 631 249-2272 x 1234
(Please include area/country code and extension)

*E-mail

What kind of product do you need to identify?

TERMS AND CONDITIONS

Minimum order:

\$50 purchase order minimum unless your organization has an existing agreement with Bulbtronics, Inc. There are no minimum order requirements for on-line purchases at Bulbtronics.com.

Terms:

- Most credit cards accepted: Visa, MasterCard, American Express, Discover
- Open Account and Pre-Approved C.O.D.
- When conducting other than credit card transactions, a Credit Application is required with three acceptable trade references. Bulbtronics shall verify trade credit references along with other industry sources prior to issuing credit. This credit check must be conducted prior to shipping on open accounts and C.O.D. orders.
Note: A signature verification form has to be signed and returned to Bulbtronics prior to shipping for credit card orders over \$500.
- Quotes are valid for 30 days.

Prices:

Prices are subject to change without notice.

Tax exempt status:

Accepted with copy of tax resale certificate faxed to 631-756-8385. Certificate must be on file before first order is shipped or applicable sales tax will be added.

Shipping charges:

Shipping charges are based on a customer's delivery preference, package weight and size. When the order is ready to ship the cost is calculated automatically. A message is sent to the customer's e-mail address with shipping and other applicable charges (i.e. tax) and a statement that the order is being shipped. Most orders are shipped via Ground, unless otherwise specified. Ground orders will generally be shipped within 48 hours for in-stock items. For faster delivery the customer may choose from among several alternative shipping methods. Orders shipped to NYS and CA are subject to sales tax.

Note: Fluorescents 4 ft to 6 ft. in length must be shipped Fed Ex Ground or Fed Ex Air; bulbs longer than 6 ft. must be shipped via messenger or truck.

Shipping: FOB origin

All damaged merchandise must be reported within 5 days. If the package is obviously damaged, customer should sign for the shipment as "damaged" and make a claim with the carrier. If the package shows no obvious signs of damage but the merchandise is damaged when the box is opened, contact Customer Service. The carrier is responsible for breakage in transit. Bulbtronics will assist in every possible manner in collecting claims for loss or damage.

Return policy:

Product determined to be defective by the applicable manufacturer shall either be replaced or credit will be issued at the discretion of Bulbtronics. Product must be returned with prior approval and issuance of a return material authorization (RMA)#. Issuance of an RMA# does not acknowledge a product defect or authorize credit to be taken. Product returned as defective, and is not, will be returned to the customer. Product returned due to ordering errors, or product no longer wanted by the customer, will be subject to a 25% restocking charge, provided that Bulbtronics agrees to take back the merchandise. Special orders may not be returned. No returns after 60 days.

Warranty:

Bulbtronics warrants solely to the purchasing party that the products sold by it shall be free from defects in materials and workmanship, when given normal, proper and intended usage, for the scope of the warranty granted to Bulbtronics and its customers by the applicable product manufacturer.

Purchaser shall notify Bulbtronics of any product that purchaser believes to be defective that is covered by the warranties set forth in this warranty statement. At Bulbtronics' option, such products shall be returned by Purchaser, transportation and insurance prepaid, to Bulbtronics. Based on examination and testing by the applicable product manufacturer, Bulbtronics shall repair or replace with the same or comparable product or issue an appropriate credit. In the event of a warranty adjustment, Bulbtronics shall pay appropriate shipping charges, when applicable, to return product to the Purchaser.

This contract contains the entire agreement between the Purchasing party and Bulbtronics. There are no warranties, expressed or implied, of merchantability, fitness or otherwise, which extend beyond the description on the face thereof. In no event will Bulbtronics be liable for any loss, or profits or any other incidental, special or consequential damages suffered by the Purchaser or its customer even if Bulbtronics has been advised of the possibility of such damages, nor for any claim against the Purchaser by any other party.



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The Brightest Source On Earth



■ SINGLE SOURCE

We source and stock from over 150 bulb, battery and lighting product manufacturers world-wide. If you need it, we have it or can get it for you!

■ SAVINGS

Save up to 50% from the original equipment manufacturer's cost of replacement bulbs. Our buying power and preferred relationships work for you!

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Our stocking locations on the East Coast and our location on the West Coast allow us to ship anywhere in the U.S., Canada or overseas.

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Off-line and on-line@bulbtronics.com, choose original or equivalent bulbs and batteries from among leading lighting and energy product manufacturers.

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Call, fax or e-mail to ask our expert Technical Service Representatives to research and ID the bulb, battery or related lighting product for your application.

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Fax 631-249-6066

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