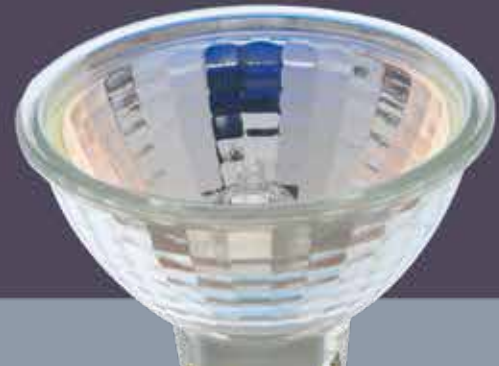


SATCO|NUVO

# LAMP SPECIFICATION GUIDE

SEPT. 2019

[satco.com](http://satco.com)

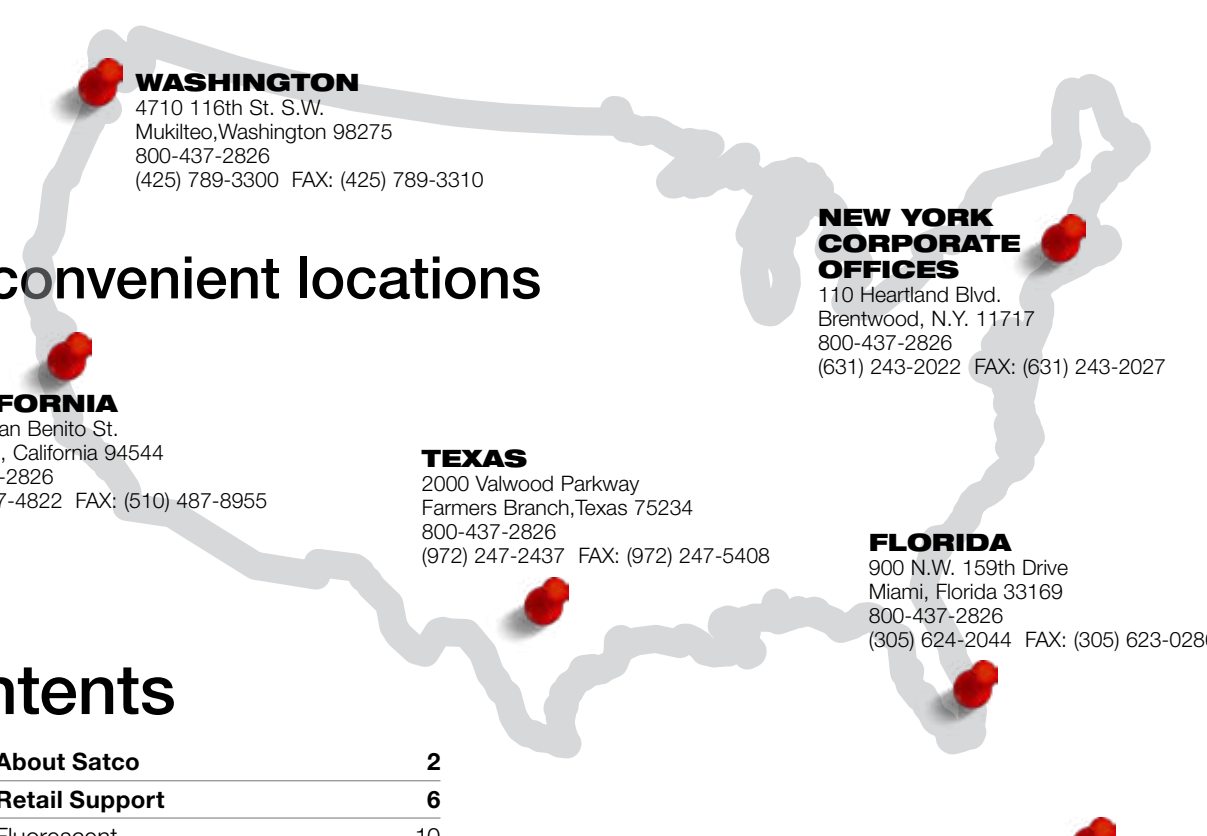


We are pleased to present the latest edition of our Lamp Specification Guide. Many new lamps and accessories have been added, and each section is tabbed and arranged to make finding the right product easy.

# Brilliance

Satco is committed to providing unsurpassed quality, service and product assortment. Many of our product categories are supported by merchandising systems, displays and a selection of attention-getting point of purchase materials. These efforts, along with our strategic locations, make Satco the preferred choice in light sources and electrical related products.

## Six convenient locations



### WASHINGTON

4710 116th St. S.W.  
Mukilteo, Washington 98275  
800-437-2826  
(425) 789-3300 FAX: (425) 789-3310

### NEW YORK CORPORATE OFFICES

110 Heartland Blvd.  
Brentwood, N.Y. 11717  
800-437-2826  
(631) 243-2022 FAX: (631) 243-2027

### CALIFORNIA

31288 San Benito St.  
Hayward, California 94544  
800-437-2826  
(510) 487-4822 FAX: (510) 487-8955

### TEXAS

2000 Valwood Parkway  
Farmers Branch, Texas 75234  
800-437-2826  
(972) 247-2437 FAX: (972) 247-5408

### FLORIDA

900 N.W. 159th Drive  
Miami, Florida 33169  
800-437-2826  
(305) 624-2044 FAX: (305) 623-0286

### PUERTO RICO

Bldg 3, Compeche St. 22  
Julio N. Matos Industrial Park  
Carolina, PR 00984  
800-437-2826  
(787) 757-3510 Fax: (787) 757-3540

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# At Satco, our business isn't about us. It's about you and your business.

Satco and our Nuvo® and Hygrade™ brands have grown to be industry leaders by offering you the widest selection of lamps, fixtures and lighting components.

## **The most innovative technology.**

The highest standards of quality and efficiency. And a reputation for service earned one customer at a time for almost 50 years.

## **Satco. Setting the standards.**

With a vast catalog of products built to the highest quality standards, massive inventories, a highly automated nationwide distribution network, and a growing investment in research and development, few lighting manufacturers can match Satco's depth of industry experience.

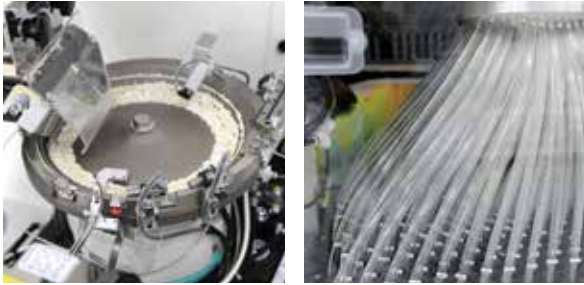
## **The widest selection.**

Satco keeps homes across North America lit through the thousands of retail outlets we supply with replacements lamps and consumer lighting accessories.

The residential and commercial building trades rely on Satco's comprehensive line of fixtures, track and outdoor lighting and lamps, which are widely available through electrical distributors across the country.

Lighting fixture manufacturers turn to Satco Logistics for on-time shipping of thousands of component parts in orders of any size, including lamps, ballasts, sockets, switches, cords, canopies and glassware of every description.





## The most innovative technology.

Over the years, Satco's robust R&D programs have moved lighting technology forward with patented innovations that have been widely adopted throughout the industry that includes breaking new ground in the design and manufacture of high-efficiency LED lamps.



## The highest quality and efficiency.

Every Satco product is designed, manufactured and tested to meet or exceed the highest industry standards for quality and performance. And we offer hundreds of products that have earned ENERGY STAR® certification. In fact, we were selected ENERGY STAR® Partner of the Year in 2009.

## Over a million square feet of warehouse space.

The Satco brand has stood for quality, innovation and value in lighting products since 1966. From a 3,000 square foot warehouse in Elmont, NY, to more than 1.2 million square feet of U.S. Distribution space today. To be certain you'll have the parts you need where you need them, Satco maintains enormous amounts of inventories at our major distribution and sales centers in New York, Miami, Dallas, San Francisco, Seattle and San Juan, Puerto Rico, and at Satco Express stocking locations in Canton MA, Cincinnati OH, Charlotte NC, Chicago IL, Cleveland OH, La Mirada CA, Laverne TN, Ridgeland MS and Syracuse NY.



## Satco. An innovative family of brands.

### LED lamps that only experience can deliver.

With one of the industry's largest R&D programs behind it, Satco is producing replacement lamps in every technology that meet all of the newest efficiency standards – and exceed user expectations for light output, color temperature, beam pattern, diffusion, and overall reliability.



### Hygrade. The leader in commercial lighting.

Hygrade has been a trusted name in commercial and industrial lighting for more than a century. From fluorescent and compact fluorescent lamps to high intensity discharge bulbs of every description, Hygrade offers a variety of cost effective, energy efficient products for virtually any commercial application.



### Nuvo. Inspired designs. Enlightened engineering.

Nuvo Lighting was launched in 2005 with more than 1,500 new lighting fixtures – one of the largest catalogs of any manufacturer – and our product line has continued to grow every year since. Today offering more than 3,000 chandeliers, pendants and sconces in designs that range from classic to contemporary, from elegant to understated and from simple to stylish.



As an ongoing effort on behalf of Satco Products, Inc. to remain dedicated to the improvement of our products, we reserve the right to change specifications. The information contained in this specification guide is subject to change without notice. We cannot be responsible for typographical errors.



**Energy Efficient Lamps and Fixtures Counter Card**  
Item # SA1458



**Energy Efficient Lamps Counter Card**  
Item # SA1207



**Paint Department Counter Card**  
Item # SA1456

### Counter cards

Place these informative cards in other busy departments to remind customers about their lighting needs.

At Satco we don't just bring great products and great value to market. We help our products sell! We offer powerful in-store selling tools to help make the lighting center a focal point and profit center.

## Educate customers and increase sales!

Satco hanging signs and gondola headers clearly call-out the lighting center while shelf strips and aisle flags indicate lamp technologies to help customers find exactly what they're looking for. And the shelf strips correspond to the attractive, informative Satco packaging! Our educational gondola headers educate consumers about all the current lighting technologies, the energy efficiency of each and what energy savings they can expect from each.

Counter cards, hanging signs, shelf-talkers and gondola aisle flags all help customers find the exact replacement lamp they need.

Let Satco help you increase your lighting sales dramatically! For information and how to order, please contact your Satco sales representative.

### Logo banners

Measuring 5' x 2', Satco logo banners can be strategically placed, indoors or out, to direct customers to the lighting aisle or simply make customers aware you carry Satco lighting products.



**Satco Brand Logo Banner**  
Item # SA1296

HID	HID	HID	SA1265/1
LED	LED	LED	SA1265/2
CFL	CFL	CFL	SA1265/3
HALOGEN	HALOGEN	HALOGEN	SA1265/4
INCANDESCENT	INCANDESCENT	INCANDESCENT	SA1265/5

**Lighting Technology Gondola Shelf Strips**

(Can be ordered separately)  
Each strip measures 12" long  
Item # SA1265

**Packaging**

Satco retail packaging is informative and attractive, creating an easy to navigate presentation for your customers. Coupled with consistent branding, lamp technology types are clearly indicated and all government regulations are adhered to for lumen output, wattage and cost to operate. Satco packaging makes choosing the right lamp easy.

**Gondola shelf technology strips**

Indicate what technologies are on what shelves. Grouping products by their technology has been shown to help customers find the products they want easily.

**Shelf talkers**

Are an important silent salesman, explaining a sale or calling attention to a new product.



**Energy Efficient Shelf Talker**  
Item # SA1205

# RETAIL SUPPORT

**SATCO | NUVO**

**SATCO LIGHTING CENTER** satco.com

- LED • Fluorescent Tubes
- Compact Fluorescent Lamps
- Decorative • Incandescent
- Halogen • Specialty Bulbs
- High Intensity Discharge

**Generic Lighting Center Gondola Header**  
Item # SA1098  
Header mounting hardware available

**SATCO | NUVO**

**Reduce utility bills with energy saving Satco lamps.**

Standard CFL Spirals    BRPAR CFL Lamps    Ditto® LED Reflector Lamps    Specialty LED Lamps    LED A19    LED PAR Lamps

**Energy Efficient Gondola Header**  
Item # SA1206  
Header mounting hardware available

**SATCO | NUVO**

**LED Lighting Center**

LED Retrofits    LED Reflectors    LED Specialty Lamps    LED MR16    LED A19    LED PAR Lamps    LED 4' Lamps

**LED Gondola Header**  
Item # SA2006  
Header mounting hardware available

## Gondola headers

Clearly call out your lighting center, and our educational versions help explain new vs. old lighting technologies and the savings your customers can expect from them. Customers making more informed decisions will be pleased with their purchase and remember the help they received in your store.

## Product photos

Satco offers our entire library of product photos for use in your flyers and advertising. Our high-quality product and packaging images will show customers exactly what you're offering.

## Aisle flags

Help define what's on each section of shelving for easy product location.



**Lighting Technology Aisle Violator Tags**  
Item # SA1292  
Mounting hardware available



SA1292/1    SA1292/2    SA1292/3    SA1292/4    SA1292/5    SA1292/6



**SATCO | NUVO**

**Lamp Technology Wattage Comparison** www.satco.com

INCANDESCENT - Life: 1,000 Hours			HALOGEN - Life: 1,000 Hours = GOOD			CFL - Life: 10,000 Hours = BETTER			LED - Life: 25,000+ Hours = BEST		
Standard Wattage	Lumens/Brightness	Cost to Operate/Yr*	Wattage	Lumens/Brightness	Cost to Operate/Yr*	Wattage	Lumens/Brightness	Cost to Operate/Yr*	Wattage	Lumens/Brightness	Cost to Operate/Yr*
25W = 200		\$3.01				5W = 280		\$0.84	3W = 180		\$0.36
40W† = 450	\$7.23		29W = 410	\$3.49		9W = 550	\$1.08		8W = 450	\$0.96	
60W† = 800	\$7.23		43W = 750	\$5.18		13W = 900	\$1.57		10W = 800	\$1.20	
75W† = 1,100	\$9.03		53W = 1,050	\$6.39		18W = 1,200	\$2.17		13W = 1,100	\$1.57	
100W† = 1,600	\$12.05		72W = 1,490	\$8.67		23W = 1,600	\$2.77		17W = 1,600	\$2.05	

† Discontinued technology.  
\* Estimated yearly energy cost is based on 3 hrs/day, 0.11¢ kWh. Cost depends on rates and use.

SA1285/1  
Lamp Comparison Guide

**SATCO | NUVO**

**Lamp Savings Comparison-per lamp, per year\*** www.satco.com

INCANDESCENT Standard Wattage	Savings for Halogen Life = 1,000 Hours	Savings for CFL Life = 10,000 Hours	Savings for LED Life = 25,000 Hours	SAVE MORE
25W =	-	\$2.17	\$2.65	<b>Long life = Less replacement lamps</b>
40W =	\$1.33	\$3.74	\$3.86	
60W =	\$2.05	\$5.66	\$6.03	
75W =	\$2.65	\$8.86	\$7.46	
100W =	\$3.38	\$9.28	\$10.00	

\* Estimated yearly energy cost is based on 3 hrs/day, 0.11¢ kWh. Cost depends on rates and use.

SA1285/2  
Lamp Savings Comparison

**SATCO | NUVO**

**Lamp Feature Comparison** www.satco.com

INCANDESCENT	HALOGEN	CFL (COMPACT FLUORESCENT)	LED (LIGHT-EMITTING DIODE)
<ul style="list-style-type: none"> <li>• Good light quality</li> <li>• Low initial cost</li> <li>• Dimmable</li> <li>• Shortest life</li> <li>• Least Efficient</li> </ul>	<ul style="list-style-type: none"> <li>• Great light quality</li> <li>• Dimmable</li> <li>• Same bulb shape</li> <li>• Energy savings: <b>GOOD</b></li> </ul>	<ul style="list-style-type: none"> <li>• Big jump in energy savings</li> <li>• Instant on</li> <li>• Long bulb life, recyclable</li> <li>• Energy savings: <b>BETTER</b></li> </ul>	<ul style="list-style-type: none"> <li>• Most energy efficient</li> <li>• Immediate full brightness</li> <li>• Dimmable</li> <li>• Costs the least to operate</li> <li>• Longest bulb life available</li> <li>• Energy savings: <b>BEST</b></li> </ul>

SA1285/3  
Lamp Features Comparison

**SATCO | NUVO**

**Long Life = Less Replacements** www.satco.com

**1 CFL lasts as long as 10 Incandescents**

A 13W CFL costs \$1.57 per year to operate in energy costs vs. a 60W incandescent that costs \$7.23 per year.\*

**1 LED lasts as long as 25 Incandescents**

An 8W LED costs \$0.96 per year to operate in energy costs vs. a 60W incandescent that costs \$7.23 per year.\*

\* Estimated yearly energy cost is based on 3 hrs/day, 0.11¢ kWh. Cost depends on rates and use.

SA1285/4  
Long Life = Less Replacements



SA1285/5  
Lumens: The new way to shop for light

**SATCO | NUVO**

**Choosing Color Temperature** www.satco.com

**COLOR TEMPERATURE SCALE**

Soft White		Bright White		Natural Light			
2700K	3000K	3500K	4100K	5000K	7500K		
<b>Warm</b> 2700K is inviting, warm, friendly and relaxing.		<b>Neutral</b> 3000K is inviting, comfortable and relaxing.		<b>Cool</b> 4100K is efficient, clean and organized.		<b>Daylight</b> 5000K is exacting, refreshing, bright and alert.	
• Homes	• Restaurants	• Homes	• Showrooms	• Offices	• Reception	• Offices	• Galleries
			• Hospitals	• Conference rooms			• Jewelry displays

**Lighting sets the mood in your room.**

SA1285/6  
Choosing Color Temperature

**Lamp Comparison Gondola Headers**

SET: 6  
(Can be ordered separately)  
Item # SA1285  
Header mounting hardware available



## Quality, efficiency, taken to great lengths.

At Satco we stock an unprecedented variety of fluorescent lamps. Everything from T5 to T12 sizes, including our Hygrade™, Circline™ and U-bend styles. There are high-output, rapid start, and instant versions sure to fill any commercial or residential application. Our germicidal and other specialty fluorescents complete one of the most extensive selections in the industry. Our fluorescent lamps are energy efficient, manufactured to the highest standards, and we're stocked to ensure quick deliveries, whatever the quantity.

### Fluorescent lamp features:

- Available in all standard and high-output wattages from 4 to 215 Watts
  - Superior CRI levels
  - Virtually all industry sizes
  - Manufactured to RoHS standards and Federal TCLP standards
  - CEE listed High Performance and Reduced Wattage options to meet Energy Efficient Commercial Lighting System conversions
  - High lumen maintenance levels
  - Long Life – up to 48,000 hour life\*
  - Environmentally friendly – low UV and low Mercury
  - Full range of color temperatures from 2455K to 6500K
  - Lamps for both commercial and residential applications
- \* Life dependent on ballast and hours per start



T8  
Med. Bi Pin

## Reduced Wattage, High Performance/High Lumen, and Long Life T8 Lamps

### T8 Instant/Rapid Start Energy Saving Lamps\* (Electronic Ballast) 48"

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes
<b>25</b>	T8	Med. Bi Pin	<b>S8438**</b>	F32/25WT8/830/ES/ENV	Warm White	3000	85	30000	2400	48	47 ¾	30	4, 12, 13
			<b>S8439**</b>	F32/25WT8/835/ES/ENV	Neutral White	3500	85	30000	2400	48	47 ¾	30	4, 12, 13
			<b>S8440**</b>	F32/25WT8/841/ES/ENV	Cool White	4100	85	30000	2400	48	47 ¾	30	4, 12, 13
			<b>S8441**</b>	F32/25WT8/850/ES/ENV	Natural Light	5000	85	30000	2375	48	47 ¾	30	4, 12, 13
			<b>S8442**</b>	F32/25WT8/865/ES/ENV	Daylight	6500	85	30000	2300	48	47 ¾	30	4, 12, 13
<b>28</b>	T8	Med. Bi Pin	<b>S8422**</b>	F28T8/830/ES/ENV	Warm White	3000	85	30000	2725	48	47 ¾	30	4, 12, 13
			<b>S8423**</b>	F28T8/835/ES/ENV	Neutral White	3500	85	30000	2725	48	47 ¾	30	4, 12, 13
			<b>S8424**</b>	F28T8/841/ES/ENV	Cool White	4100	85	30000	2725	48	47 ¾	30	4, 12, 13
			<b>S8425**</b>	F28T8/850/ES/ENV	Natural Light	5000	85	30000	2700	48	47 ¾	30	4, 12, 13
			<b>S8437</b>	F28T8/865/ES/ENV	Daylight	6500	85	30000	2650	48	47 ¾	30	4, 12, 13

### T8 Instant/Rapid Start High Lumen Lamps\* (Electronic Ballast) 48"

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes
<b>32</b>	T8	Med. Bi Pin	<b>S8426**</b>	F32T8/830/HL/ENV	Warm White	3000	85	30000	3100	48	47 ¾	30	4, 12, 13
			<b>S8427**</b>	F32T8/835/HL/ENV	Neutral White	3500	85	30000	3100	48	47 ¾	30	4, 12, 13
			<b>S8428**</b>	F32T8/841/HL/ENV	Cool White	4100	85	30000	3100	48	47 ¾	30	4, 12, 13
			<b>S8429**</b>	F32T8/850/HL/ENV	Natural Light	5000	85	30000	3100	48	47 ¾	30	4, 12, 13
			<b>S8430**</b>	F32T8/865/HL/ENV	Daylight	6500	85	30000	3000	48	47 ¾	30	4, 12, 13

### T8 Instant/Rapid Start Long Life Lamps\* (Electronic Ballast) 48"

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes
<b>32</b>	T8	Med. Bi Pin	<b>S8443</b>	F32T8/830/XL/ENV	Warm White	3000	82	36000	3050	48	47 ¾	30	4, 12, 13
			<b>S8444</b>	F32T8/835/XL/ENV	Neutral White	3500	82	36000	3000	48	47 ¾	30	4, 12, 13
			<b>S8445</b>	F32T8/841/XL/ENV	Cool White	4100	82	36000	3000	48	47 ¾	30	4, 12, 13
			<b>S8446</b>	F32T8/850/XL/ENV	Natural Light	5000	82	36000	2900	48	47 ¾	30	4, 12, 13
			<b>S8447</b>	F32T8/865/XL/ENV	Daylight	6500	82	36000	2900	48	47 ¾	30	4, 12, 13

\*Shatter Proof is available on all Fluorescent Lamps.

\*\*CEE Listed



T8  
Med. Bi Pin

## Standard T8 Lamps

### T8 Instant/Rapid Start Lamps\* (Electronic Ballast) 24"

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes
17	T8	Med. Bi Pin	<b>S6520</b> ▲	F17T8/730/ECO	Warm White	3000	75	24000	1300	24	23 ¾	30	11, 12, 13
			<b>S8404</b>	F17T8/830/ENV	Warm White	3000	85	20000	1450	24	23 ¾	30	11, 12, 13
			<b>S6523</b> ▲	F17T8/830/ECO	Warm White	3000	82	24000	1400	24	23 ¾	30	11, 12, 13
			<b>S6521</b> ▲	F17T8/735/ECO	Neutral White	3500	75	24000	1300	24	23 ¾	30	11, 12, 13
			<b>S8405</b>	F17T8/835/ENV	Neutral White	3500	85	20000	1450	24	23 ¾	30	11, 12, 13
			<b>S6524</b> ▲	F17T8/835/ECO	Neutral White	3500	82	24000	1400	24	23 ¾	30	11, 12, 13
			<b>S6522</b> ▲	F17T8/741/ECO	Cool White	4100	75	24000	1300	24	23 ¾	30	11, 12, 13
			<b>Shatter Proof</b> <b>S6583</b> ▲	F17T8/741/TF/ECO	Cool White	4100	75	24000	1300	24	23 ¾	30	9, 11, 12, 13
			<b>S8406</b>	F17T8/841/ENV	Cool White	4100	85	20000	1450	24	23 ¾	30	11, 12, 13
			<b>S6525</b> ▲	F17T8/841/ECO	Cool White	4100	82	24000	1400	24	23 ¾	30	11, 12, 13
			<b>Shatter Proof</b> <b>S6693</b> ▲	F17T8/841//TF/ECO	Cool White	4100	82	24000	1400	24	23 ¾	30	11, 12, 13
			<b>S8432</b>	F17T8/850/ENV	Natural Light	5000	82	20000	1400	24	23 ¾	30	11, 12, 13
<b>S8433</b>	F17T8/865/ENV	Daylight	6500	82	20000	1300	24	23 ¾	30	11, 12, 13			

### T8 Instant/Rapid Start Lamps\* (Electronic Ballast) 36"

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes
25	T8	Med. Bi Pin	<b>S6526</b> ▲	F25T8/730/ECO	Warm White	3000	75	24000	2025	36	35 ¾	30	11, 12, 13
			<b>S8410</b>	F25T8/830/ENV	Warm White	3000	85	20000	2300	36	35 ¾	30	11, 12, 13
			<b>S6529</b> ▲	F25T8/830/ECO	Warm White	3000	82	24000	2150	36	35 ¾	30	11, 12, 13
			<b>S6527</b> ▲	F25T8/735/ECO	Neutral White	3500	75	24000	2025	36	35 ¾	30	11, 12, 13
			<b>S8411</b>	F25T8/835/ENV	Neutral White	3500	85	20000	2300	36	35 ¾	30	11, 12, 13
			<b>S6530</b> ▲	F25T8/835/ECO	Neutral White	3500	82	24000	2150	36	35 ¾	30	11, 12, 13
			<b>S6528</b> ▲	F25T8/741/ECO	Cool White	4100	75	24000	2025	36	35 ¾	30	11, 12, 13
			<b>Shatter Proof</b> <b>S6584</b> ▲	F25T8/741/TF/ECO	Cool White	4100	75	24000	2025	36	35 ¾	30	9, 11, 12, 13
			<b>S8412</b>	F25T8/841/ENV	Cool White	4100	85	20000	2300	36	35 ¾	30	11, 12, 13
			<b>Shatter Proof</b> <b>S6692</b> ▲	F25T8/841/TF/ECO	Cool White	4100	82	24000	2150	36	35 ¾	30	11, 12, 13
			<b>S6531</b> ▲	F25T8/841/ECO	Cool White	4100	82	24000	2150	36	35 ¾	30	11, 12, 13
			<b>S8434</b>	F25T8/850/ENV	Natural Light	5000	82	20000	2200	36	35 ¾	30	11, 12, 13
			<b>S8435</b>	F25T8/865/ENV	Daylight	6500	82	20000	2150	36	35 ¾	30	11, 12, 13

\* Shatter Proof is available on all Fluorescent Lamps.



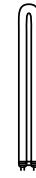
T8  
Med. Bi Pin

## Standard T8 Lamps

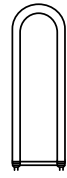
### T8 Instant/Rapid Start Lamps\* (Electronic Ballast) 48"

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes	
32	T8	Med. Bi Pin	<b>S8418</b>	F32T8/830/ENV	Warm White	3000	85	24000	2950	48	47 3/4	30	11, 12, 13	
			<b>S6535</b> ▲	F32T8/830/ECO	Warm White	3000	82	24000	2950	48	47 3/4	30	11, 12, 13	
			<b>S2915</b> ▲	F32T8/830/XP/ECO	Warm White	3000	85	24000	3000	48	47 3/4	30	11, 12, 13	
			<b>S8419</b>	F32T8/835/ENV	Neutral White	3500	85	24000	2950	48	47 3/4	30	11, 12, 13	
			<b>S8478</b>	F32T8/835/ENV/2PK	Neutral White	3500	85	24000	2950	48	47 3/4	15/2	11, 12, 13	
			<b>S6536</b> ▲	F32T8/835/ECO	Neutral White	3500	82	24000	2950	48	47 3/4	30	11, 12, 13	
			<b>S2916</b> ▲	F32T8/835/XP/ECO	Neutral White	3500	85	24000	3000	48	47 3/4	30	11, 12, 13	
			<b>S8420</b>	F32T8/841/ENV	Cool White	4100	85	24000	2950	48	47 3/4	30	11, 12, 13	
			<b>S8479</b>	F32T8/841/ENV/2PK	Cool White	4100	85	24000	2950	48	47 3/4	15/2	11, 12, 13	
			<b>S6537</b> ▲	F32T8/841/ECO	Cool White	4100	82	24000	2950	48	47 3/4	30	11, 12, 13	
			<b>S2917</b> ▲	F32T8/841/XP/ECO	Cool White	4100	85	24000	3000	48	47 3/4	30	11, 12, 13	
			<b>Shatter Proof</b>	<b>S6691</b> ▲	F32T8/841/TF/ECO	Cool White	4100	82	24000	2950	48	47 3/4	30	11, 12, 13
			<b>S8421</b>	F32T8/850/ENV	Natural Light	5000	85	24000	2900	48	47 3/4	30	11, 12, 13	
			<b>S2919</b> ▲	F32T8/850/ECO	Natural Light	5000	80	24000	2800	48	47 3/4	30	11, 12, 13	
			<b>S2920</b> ▲	F32T8/850/XP/ECO	Natural Light	5000	85	24000	2950	48	47 3/4	30	11, 12, 13	
			<b>S8436</b>	F32T8/865/ENV	Daylight	6500	82	24000	2850	48	47 3/4	30	11, 12, 13	

\* Shatter Proof is available on all Fluorescent Lamps.



T8 U-Bend  
1 5/8" Leg  
Med. Bi Pin



T8 U-Bend  
6" Leg  
Med. Bi Pin

## T8 U-Bend Instant/Rapid Start Lamps\* (Electronic Ballast)

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes
<b>28</b>	T8	Med. Bi Pin	<b>S8471**</b>	FB32T8/830/ENV/28W	Warm White	3000	85	20000	2600	22 1/2	6	16	11, 12, 13
			<b>S8472**</b>	FB32T8/835/ENV/28W	Neutral White	3500	85	20000	2600	22 1/2	6	16	11, 12, 13
			<b>S8473**</b>	FB32T8/841/ENV/28W	Cool White	4100	85	20000	2600	22 1/2	6	16	11, 12, 13
			<b>S8474</b>	FB32T8/850/ENV/28W	Natural Light	5000	85	20000	2550	22 1/2	6	16	11, 12, 13
			<b>S8475</b>	FB32T8/865/ENV/28W	Daylight	6500	85	20000	2500	22 1/2	6	16	11, 12, 13
<b>31</b>	T8	Med. Bi Pin	<b>S8450</b>	FB31T8/830	Warm White	3000	82	20000	2750	22 9/16	1 5/8	15	11, 12, 13
			<b>S6550 ▲</b>	FB031/830	Warm White	3000	82	20000	2725	22 9/16	1 5/8	15	11, 12, 13
			<b>S8451</b>	FB31T8/835	Neutral White	3500	82	20000	2750	22 9/16	1 5/8	15	11, 12, 13
			<b>S6551 ▲</b>	FB031/835	Neutral White	3500	82	20000	2725	22 9/16	1 5/8	15	11, 12, 13
			<b>S8452</b>	FB31T8/841	Cool White	4100	82	20000	2750	22 9/16	1 5/8	15	11, 12, 13
			<b>S6552 ▲</b>	FB031/841	Cool White	4100	82	20000	2725	22 9/16	1 5/8	15	11, 12, 13
			<b>S8459</b>	FB31T8/850	Natural Light	5000	82	20000	2700	22 9/16	1 5/8	15	11, 12, 13
<b>32</b>	T8	Med. Bi Pin	<b>S6553 ▲</b>	FB032/730/6/ECO	Warm White	3000	75	20000	2750	22 9/16	6	16	11, 12, 13
			<b>S8456</b>	FB32T8/830/U6/ENV	Warm White	3000	82	20000	3000	22 9/16	6	16	11, 12, 13
			<b>S6556 ▲</b>	FB032/830/6/ECO	Warm White	3000	82	20000	2850	22 9/16	6	16	11, 12, 13
			<b>S6554 ▲</b>	FB032/735/6/ECO	Neutral White	3500	75	20000	2750	22 9/16	6	16	11, 12, 13
			<b>S8457</b>	FB32T8/835/U6/ENV	Neutral White	3500	82	20000	3000	22 9/16	6	16	11, 12, 13
			<b>S6557 ▲</b>	FB032/835/6/ECO	Neutral White	3500	82	20000	2850	22 9/16	6	16	11, 12, 13
			<b>S6555 ▲</b>	FB032/741/6/ECO	Cool White	4100	75	20000	2750	22 9/16	6	16	11, 12, 13
			<b>S8458</b>	FB32T8/841/U6/ENV	Cool White	4100	82	20000	3000	22 9/16	6	16	11, 12, 13
			<b>S6558</b>	FB032/841/6/ECO	Cool White	4100	82	20000	2850	22 9/16	6	16	11, 12, 13
			<b>Shatter Proof S6699</b>	FB032/841/6/ECO	Cool White	4100	82	20000	2850	22 9/16	6	16	11, 12, 13
			<b>S8460</b>	FB32T8/750/ENV	Natural Light	5000	75	20000	2700	22 9/16	6	16	11, 12, 13
			<b>S2924</b>	FB032/750/6/ECO	Natural Light	5000	75	20000	2625	22 9/16	6	16	11, 12, 13
			<b>S8462</b>	FB32T8/850/ENV	Natural Light	5000	82	20000	2940	22 9/16	6	16	11, 12, 13
			<b>S8463</b>	FB32T8/865/ENV	Daylight	6500	82	20000	2880	22 9/16	6	16	11, 12, 13

\*Shatter Proof is available on all Fluorescent Lamps.

\*\*CEE Listed

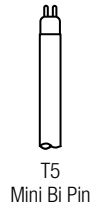


T5  
Mini Bi Pin

## T5 High Performance Lamps\*

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes
<b>14</b>	T5	Mini Bi Pin	<b>S8125</b>	F14T5/830/ENV	Warm White	3000	85	30000	1350	24	22 3/16	40	11, 12, 13
			<b>S6425 ▲</b>	FP14/830/ECO	Warm White	3000	82	25000	1275	24	22 3/16	40	11, 12, 13
			<b>S8126</b>	F14T5/835/ENV	Neutral White	3500	85	30000	1350	24	22 3/16	40	11, 12, 13
			<b>S6426 ▲</b>	FP14/835/ECO	Neutral White	3500	82	25000	1275	24	22 3/16	40	11, 12, 13
			<b>S8127</b>	F14T5/841/ENV	Cool White	4100	85	30000	1350	24	22 3/16	40	11, 12, 13
			<b>S6427 ▲</b>	FP14/841/ECO	Cool White	4100	82	25000	1275	24	22 3/16	40	11, 12, 13
			<b>S8110</b>	F14T5/850/ENV	Natural Light	5000	85	30000	1350	24	22 3/16	40	11, 12, 13
			<b>S8111</b>	F14T5/865/ENV	Daylight	6500	85	30000	1350	24	22 3/16	40	11, 12, 13
<b>21</b>	T5	Mini Bi Pin	<b>S8128</b>	F21T5/830/ENV	Warm White	3000	85	30000	2100	36	34	40	11, 12, 13
			<b>S6428 ▲</b>	FP21/830/ECO	Warm White	3000	82	25000	2000	36	34	40	11, 12, 13
			<b>S8129</b>	F21T5/835/ENV	Neutral White	3500	85	30000	2100	36	34	40	11, 12, 13
			<b>S6429 ▲</b>	FP21/835/ECO	Neutral White	3500	82	25000	2000	36	34	40	11, 12, 13
			<b>S8130</b>	F21T5/841/ENV	Cool White	4100	85	30000	2100	36	34	40	11, 12, 13
			<b>S6430 ▲</b>	FP21/841/ECO	Cool White	4100	82	25000	2000	36	34	40	11, 12, 13
			<b>S8112</b>	F21T5/850/ENV	Natural Light	5000	85	30000	2100	36	34	40	11, 12, 13
			<b>S8113</b>	F21T5/865/ENV	Daylight	6500	85	30000	2100	36	34	40	11, 12, 13
<b>28</b>	T5	Mini Bi Pin	<b>S8131</b>	F28T5/830/ENV	Warm White	3000	85	30000	2900	48	45 13/16	40	11, 12, 13
			<b>S6431 ▲</b>	FP28/830/ECO	Warm White	3000	82	30000	2750	48	45 13/16	40	11, 12, 13
			<b>S8132</b>	F28T5/835/ENV	Neutral White	3500	85	30000	2900	48	45 13/16	40	11, 12, 13
			<b>S6432 ▲</b>	FP28/835/ECO	Neutral White	3500	82	30000	2750	48	45 13/16	40	11, 12, 13
			<b>S8133</b>	F28T5/841/ENV	Cool White	4100	85	30000	2900	48	45 13/16	40	11, 12, 13
			<b>S6433 ▲</b>	FP28/841/ECO	Cool White	4100	82	30000	2750	48	45 13/16	40	11, 12, 13
			<b>S8114</b>	F28T5/850/ENV	Natural Light	5000	85	30000	2900	48	45 13/16	40	11, 12, 13
			<b>S8115</b>	F28T5/865/ENV	Daylight	6500	85	30000	2900	48	45 13/16	40	11, 12, 13
<b>35</b>	T5	Mini Bi Pin	<b>S8134</b>	F35T5/830/ENV	Warm White	3000	85	30000	3650	60	57 19/32	40	11, 12, 13
			<b>S6434 ▲</b>	FP35/830/ECO	Warm White	3000	82	25000	3425	60	57 19/32	40	11, 12, 13
			<b>S8135</b>	F35T5/835/ENV	Neutral White	3500	85	30000	3650	60	57 19/32	40	11, 12, 13
			<b>S6435 ▲</b>	FP35/835/ECO	Neutral White	3500	82	25000	3425	60	57 19/32	40	11, 12, 13
			<b>S8136</b>	F35T5/841/ENV	Cool White	4100	85	30000	3650	60	57 19/32	40	11, 12, 13
			<b>S6436 ▲</b>	FP35/841/ECO	Cool White	4100	82	25000	3425	60	57 19/32	40	11, 12, 13
			<b>S8116</b>	F35T5/850/ENV	Natural Light	5000	85	30000	3650	60	57 19/32	40	11, 12, 13
			<b>S8117</b>	F35T5/865/ENV	Daylight	6500	85	30000	3650	60	57 19/32	40	11, 12, 13

\* Shatter Proof is available on all Fluorescent Lamps.

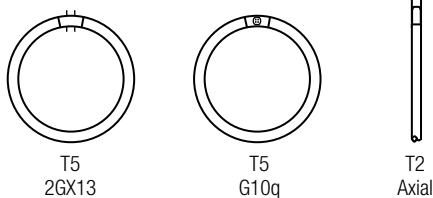


## T5 HO High Performance Lamps\*

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes
<b>24</b>	T5	Mini Bi Pin	<b>S8137</b>	F24T5/830/HO/ENV	Warm White	3000	85	30000	2000	24	22 3/16	40	11, 12, 13
			<b>S6437 ▲</b>	FP24/830/HO/ECO	Warm White	3000	82	30000	1875	24	22 3/16	40	11, 12, 13
			<b>S8138</b>	F24T5/835/HO/ENV	Neutral White	3500	85	30000	2000	24	22 3/16	40	11, 12, 13
			<b>S6438 ▲</b>	FP24/835/HO/ECO	Neutral White	3500	82	30000	1875	24	22 3/16	40	11, 12, 13
			<b>S8139</b>	F24T5/841/HO/ENV	Cool White	4100	85	30000	2000	24	22 3/16	40	11, 12, 13
			<b>S6439 ▲</b>	FP24/841/HO/ECO	Cool White	4100	82	30000	1875	24	22 3/16	40	11, 12, 13
			<b>S8118</b>	F24T5/850/HO/ENV	Natural Light	5000	85	30000	2000	24	22 3/16	40	11, 12, 13
			<b>S8119</b>	F24T5/865/HO/ENV	Daylight	6500	85	30000	2000	24	22 3/16	40	11, 12, 13
<b>39</b>	T5	Mini Bi Pin	<b>S8140</b>	F39T5/830/HO/ENV	Warm White	3000	85	30000	3500	36	34	40	11, 12, 13
			<b>S6440 ▲</b>	FP39/830/HO/ECO	Warm White	3000	82	30000	3300	36	34	40	11, 12, 13
			<b>S8141</b>	F39T5/835/HO/ENV	Neutral White	3500	85	30000	3500	36	34	40	11, 12, 13
			<b>S6441 ▲</b>	FP39/835/HO/ECO	Neutral White	3500	82	30000	3300	36	34	40	11, 12, 13
			<b>S8142</b>	F39T5/841/HO/ENV	Cool White	4100	85	30000	3500	36	34	40	11, 12, 13
			<b>S6442 ▲</b>	FP39/841/HO/ECO	Cool White	4100	82	30000	3300	36	34	40	11, 12, 13
			<b>S8120</b>	F39T5/850/HO/ENV	Natural Light	5000	85	30000	3500	36	34	40	11, 12, 13
			<b>S8121</b>	F39T5/865/HO/ENV	Daylight	6500	85	30000	3500	36	34	40	11, 12, 13
<b>54</b>	T5	Mini Bi Pin	<b>S8143</b>	F54T5/830/HO/ENV	Warm White	3000	85	30000	5000	48	45 13/16	40	11, 12, 13
			<b>S6443 ▲</b>	FP54/830/HO/ECO	Warm White	3000	82	40000	4725	48	45 13/16	40	11, 12, 13
			<b>S8144</b>	F54T5/835/HO/ENV	Neutral White	3500	85	30000	5000	48	45 13/16	40	11, 12, 13
			<b>S6444 ▲</b>	FP54/835/HO/ECO	Neutral White	3500	82	40000	4725	48	45 13/16	40	11, 12, 13
			<b>S8145</b>	F54T5/841/HO/ENV	Cool White	4100	85	30000	5000	48	45 13/16	40	11, 12, 13
			<b>S6445 ▲</b>	FP54/841/HO/ECO	Cool White	4100	82	40000	4725	48	45 13/16	40	11, 12, 13
			<b>S8122</b>	F54T5/850/HO/ENV	Natural Light	5000	85	30000	5000	48	45 13/16	40	11, 12, 13
			<b>S8123</b>	F54T5/865/HO/ENV	Daylight	6500	85	30000	5000	48	45 13/16	40	11, 12, 13
<b>80</b>	T5	Mini Bi Pin	<b>S6446 ▲</b>	FP80/830/HO/ECO	Warm White	3000	82	25000	6575	60	57 9/16	40	11, 12, 13
			<b>S6447 ▲</b>	FP80/835/HO/ECO	Neutral White	3500	82	25000	6575	60	57 19/32	40	11, 12, 13
			<b>S6448 ▲</b>	FP80/841/HO/ECO	Cool White	4100	82	25000	6575	60	57 19/32	40	11, 12, 13

\* Shatter Proof is available on all Fluorescent Lamps.





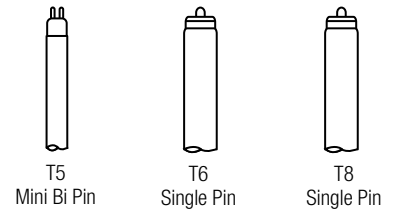
## T5 Circline High Performance Lamps\*

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes
<b>22</b>	T5	2GX13	<b>S8155</b>	FC22T5/830	Warm White	3000	82	12000	1900	9	9	12	11, 12, 13
			<b>S2955 ▲</b>	FPC22/830	Warm White	3000	82	12000	1800	9	9	12	11, 12, 13
			<b>S2956 ▲</b>	FPC22/835	Neutral White	3500	82	12000	1800	9	9	12	11, 12, 13
			<b>S8156</b>	FC22T5/835	Neutral White	3500	82	12000	1900	9	9	12	11, 12, 13
			<b>S8157</b>	FC22T5/841	Cool White	4100	82	12000	1900	9	9	12	11, 12, 13
			<b>S8166</b>	FC22T5/865/G10q	Daylight	6500	82	12000	1800	9	9	12	11, 12, 13
<b>40</b>	T5	G10q	<b>S8164</b>	FC40T5/827/G10q	Warm White	2700	82	12000	3300	12	12	12	11, 12, 13
		2GX13	<b>S8158</b>	FC40T5/830	Warm White	3000	82	12000	3300	12	12	12	11, 12, 13
			<b>S8159</b>	FC40T5/835	Neutral White	3500	82	12000	3300	12	12	12	11, 12, 13
			<b>S2959 ▲</b>	FPC40/835	Neutral White	3500	82	12000	3200	12	12	12	11, 12, 13
			<b>S8160</b>	FC40T5/841	Cool White	4100	82	12000	3300	12	12	12	11, 12, 13
			<b>S8161</b>	FC55T5/HO/830	Warm White	3000	82	12000	4200	12	12	12	11, 12, 13
<b>55</b>	T5	2GX13	<b>S2961 ▲</b>	FPC55/830/HO	Warm White	3000	82	12000	4000	12	12	12	11, 12, 13
			<b>S8162</b>	FC55T5/HO/835	Neutral White	3500	82	12000	4200	12	12	12	11, 12, 13
			<b>S2962 ▲</b>	FPC55/835/HO	Neutral White	3500	82	12000	4000	12	12	12	11, 12, 13
			<b>S8163</b>	FC55T5/HO/841	Cool White	4100	82	12000	4200	12	12	12	11, 12, 13

## T2 SubMini Lamps\*

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes
<b>8</b>	T2	Axial	<b>S6490 ▲</b>	FM8/830	Warm White	3000	80	10000	540	12	19/32	1219/3220	5, 12
			<b>S6491 ▲</b>	FM8/841	Cool White	4100	80	10000	540	12	19/32	1219/3220	5, 12
<b>11</b>	T2	Axial	<b>S6492 ▲</b>	FM11/830	Warm White	3000	80	10000	750	16	19/32	1619/3220	5, 12
			<b>S6493 ▲</b>	FM11/841	Cool White	4100	80	10000	750	16	19/32	1619/3220	5, 12
<b>13</b>	T2	Axial	<b>S6494 ▲</b>	FM13/830	Warm White	3000	80	10000	930	20	19/32	2019/3220	5, 12
			<b>S2903 ▲</b>	FM13/835	Neutral White	3500	80	10000	930	20	19/32	2019/3220	5, 12

\* Shatter Proof is available on all Fluorescent Lamps.



## T5 Preheat Lamps\*

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes
<b>4</b>	T5	Mini Bi Pin	<b>S1900</b>	F4T5/CW	Cool White	4100	60	5000	130	6	5 15/16	20	12, 13
			<b>S2908</b>	F4T5/D	Daylight	6500	75	5000	115	6	5 15/16	20	12, 13
<b>6</b>	T5	Mini Bi Pin	<b>S1902</b>	F6T5/CW	Cool White	4000	62	5000	260	9	8 15/16	20	12, 13
			<b>S2909</b>	F6T5/D	Daylight	6500	76	5000	260	9	8 15/16	20	12, 13
<b>8</b>	T5	Mini Bi Pin	<b>S1904</b>	F8T5/CW	Cool White	4000	62	5000	380	12	11 15/16	20	12, 13
			<b>S1905</b>	F8T5/WW	Warm White	3000	52	5000	380	12	11 15/16	20	12, 13
			<b>S2910</b>	F8T5/D	Daylight	6500	76	5000	350	12	11 15/16	20	12, 13
<b>13</b>	T5	Mini Bi Pin	<b>S1907</b>	F13T5/WW	Warm White	3000	52	5000	880	21	20 15/16	20	12, 13
			<b>S1906</b>	F13T5/CW	Cool White	4200	62	5000	860	21	20 15/16	20	12, 13
			<b>S2911</b>	F13T5/D	Daylight	6500	76	5000	780	21	20 15/16	20	12, 13

## T8 Instant Start Slimline Lamps\*

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes
<b>38</b>	T8	Single Pin	<b>S6478 ▲</b>	F72T8/CW	Cool White	4200	62	7500	3050	72	62	24	12, 13
	T8	Single Pin	<b>S6476 ▲</b>	F72T8/D	Daylight	6500	76	7500	2288	72	70	24	12, 13

\* Shatter Proof is available on all Fluorescent Lamps.



T8  
Bi Pin

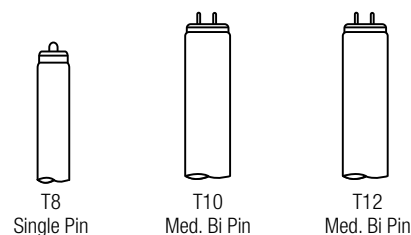
## T8 Preheat Lamps\*

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes
<b>15</b>	T8	Med. Bi Pin	<b>S7925</b>	F15T8/WW	Warm White	3000	52	7500	845	18	17 ¾	24	12, 13
			<b>S6512 ▲</b>	F15T8/WW	Warm White	3000	52	7500	845	18	17 ¾	24	12, 13
			<b>S7949</b>	F15T8/CW	Cool White	4100	62	7500	850	18	17 ¾	24	12, 13
			<b>S6510 ▲</b>	F15T8/CW	Cool White	4100	62	7500	850	18	17 ¾	24	12, 13
			<b>S7950</b>	F15T8/D	Daylight	6500	76	7500	750	18	17 ¾	24	12, 13
			<b>S6511 ▲</b>	F15T8/D	Daylight	6500	76	7500	750	18	17 ¾	24	12, 13
<b>18</b>	T8	Med. Bi Pin	<b>S6513 ▲</b>	F18T8/CW/K24	Cool White	4100	62	7500	1035	24	23 ¾	24	3, 12, 13
			<b>S6514 ▲</b>	F18T8/CW/K26	Cool White	4100	62	7500	1079	26	25 ¾	24	3, 12, 13
			<b>S6515 ▲</b>	F18T8/CW/K28	Cool White	4100	62	7500	1131	28	27 ¾	24	3, 12, 13
			<b>S6516 ▲</b>	F18T8/CW/K30	Cool White	4100	62	7500	1200	30	29 ¾	24	3, 12, 13
<b>30</b>	T8	Med. Bi Pin	<b>S6519 ▲</b>	F30T8/WW	Warm White	3000	52	7500	2150	36	35 ¾	24	12, 13
			<b>S6517 ▲</b>	F30T8/CW	Cool White	4100	62	7500	1380	36	35 ¾	24	12, 13
			<b>S6518 ▲</b>	F30T8/D	Daylight	6500	76	7500	2180	36	35 ¾	24	12, 13

## T8 Instant/Rapid Start Lamps\* (Electronic Ballast) 60" & 96"

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes
<b>40</b>	T8	Med. Bi Pin	<b>S6544</b>	F40T8/730/ECO	Warm White	3000	75	24000	3550	60	59 5/8	30	11, 12, 13
			<b>S6547</b>	F40T8/830/ECO	Warm White	3000	82	24000	3650	60	59 5/8	30	11, 12, 13
			<b>S6545</b>	F40T8/735/ECO	Neutral White	3500	75	24000	3550	60	59 5/8	30	11, 12, 13
			<b>S6548</b>	F40T8/835/ECO	Neutral White	3500	82	24000	3650	60	59 5/8	30	11, 12, 13
			<b>S6546</b>	F40T8/741/ECO	Cool White	4100	75	24000	3550	60	59 5/8	30	11, 12, 13
			<b>S6549</b>	F40T8/841/ECO	Cool White	4100	82	24000	3650	60	59 5/8	30	11, 12, 13

\* Shatter Proof is available on all Fluorescent Lamps.



## T8 Instant/Rapid Start Lamps\* (Electronic Ballast) 60" & 96" (continued)

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes
<b>59</b>	T8	Single Pin	<b>S6541</b> ▲	F96T8/830/ECO	Warm White	3000	82	18000	5900	96	94	24	11, 12, 13
			<b>S6542</b> ▲	F96T8/835/ECO	Neutral White	3500	82	18000	5900	96	94	24	11, 12, 13
			<b>S6543</b> ▲	F96T8/841/ECO	Cool White	4100	82	18000	5900	96	94	24	11, 12, 13
			<b>S6577</b> ▲	F96T8/850/ECO	Natural Light	5000	80	18000	5900	96	94	24	11, 12, 13

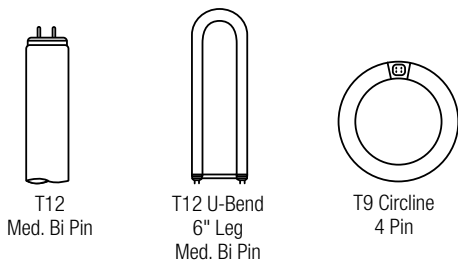
## T10 and T12 Preheat Lamps\*

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes
<b>40</b>	T10	Med. Bi Pin	<b>S7928</b>	F40T10/EX50	Natural Light	5000	88	20000	3600	48	48	25	12, 13
			<b>S7929</b>	F40T10/EX41	Cool White	4100	84	20000	3600	48	48	25	12, 13
<b>14</b>	T12	Med. Bi Pin	<b>S6561</b> ▲	F14T12/WW	Warm White	3000	52	7500	660	15	14 ¾	30	12, 13
			<b>S6559</b> ▲	F14T12/CW	Cool White	4100	62	7500	650	15	14 ¾	30	12, 13
<b>15</b>	T12	Med. Bi Pin	<b>S6564</b> ▲	F15T12/WW	Warm White	3000	52	7500	770	18	17 ¾	30	12, 13
			<b>S6562</b> ▲	F15T12/CW	Cool White	4100	62	7500	750	18	17 ¾	30	12, 13
			<b>S6563</b> ▲	F15T12/D	Daylight	6500	76	7500	660	18	17 ¾	30	12, 13
<b>20</b>	T12	Med. Bi Pin	<b>S6567</b> ▲	F20T12/WW	Warm White	3000	52	9000	1250	24	23 ¾	30	12, 13
			<b>S6565</b> ▲	F20T12/CW	Cool White	4100	62	9000	1220	24	23 ¾	30	12, 13
			<b>Shatter Proof</b> <b>S6579</b> ▲	F20T12/CW/TF	Cool White	4100	62	9000	1220	24	23 ¾	30	9, 12, 13
			<b>S6566</b> ▲	F20T12/D	Daylight	6500	76	9000	1075	24	23 ¾	30	12, 13
<b>25</b>	T12	Med. Bi Pin	<b>S6568</b> ▲	F25T12/CW/28	Cool White	4100	62	7500	1670	28	27 ¾	30	12, 13
			<b>S6569</b> ▲	F25T12/CW/30	Cool White	4100	62	7500	1730	30	29 ¾	30	12, 13
			<b>S6570</b> ▲	F25T12/CW/33	Cool White	4100	62	7500	1750	33	32 ¾	30	12, 13

## T12 Rapid Start Lamps\* 36"

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes
<b>30</b>	T12	Med. Bi Pin	<b>S6573</b> ▲	F30T12/WW/RS	Warm White	3000	52	18500	2275	36	35 ¾	30	12, 13
			<b>S6575</b> ▲	F30T12/D35/RS	Neutral White	3500	70	18000	2250	36	35 ¾	30	12, 13
			<b>S6571</b> ▲	F30T12/CW/RS	Cool White	4200	62	18000	2200	36	35 ¾	30	12, 13
			<b>Shatter Proof</b> <b>S6580</b> ▲	F30T12/CW/RS/TF	Cool White	4200	62	18000	2200	36	35 ¾	30	9, 12, 13
			<b>S6667</b> ▲	F30T12SUN/RS	Daylight	6250	94	22000	1650	36	35 ¾	30	12, 13
			<b>S6572</b> ▲	F30T12/D/RS	Daylight	6500	76	18000	1900	36	35 ¾	30	12, 13

\* Shatter Proof is available on all Fluorescent Lamps.



### T12 Rapid Start Lamps\* 48"

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes
40	T12	Med. Bi Pin	<b>Y21376</b> ▲	F40T12/930/ECO	Cool White	4100	88	20000	3000	48	47 ¾	30	12, 13
			<b>S6637</b>	F40T12/CWX	Cool White	4100	90	24000	2550	48	47 ¾	30	12, 13
			<b>S2927</b> ▲	F40T12/CWX	Cool White	4100	87	20000	2150	48	47 ¾	30	12, 13
			<b>S6610</b> ▲	F40T12/DSGN50	Natural Light	5000	90	20000	2200	48	47 ¾	30	12, 13
			<b>S6638</b>	F40T12/DX	Daylight	6500	90	24000	2100	48	47 ¾	30	12, 13
			<b>S6608</b> ▲	F40T12/DX	Daylight	6500	88	20000	2180	48	47 ¾	30	12, 13

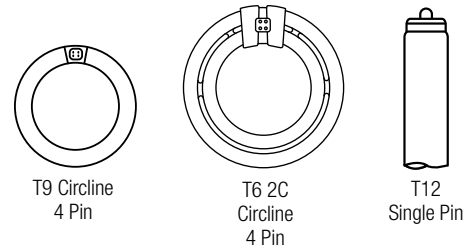
### T12 Rapid Start U-Bend Lamps\*

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes
34	T12	Med. Bi Pin	<b>Y24965</b>	FB34/930/6/SS/ECO	Warm White	3000	90	18000	2600	22 ½	6	12	6, 12, 13
			<b>S6593</b> †	FB34/CW/6/SS/TF	Cool White	4200	62	18000	2600	22 ½	6	12	6, 9, 12, 13
40	T12	Med. Bi Pin	<b>S6686</b>	FB40/DX/6	Daylight	6500	88	18000	2300	22 ½	6	12	12, 13
			<b>Y24004</b>	FB40/CWX/6	Cool White	4100	87	18000	2100	22 ½	6	12	6, 9, 12, 13

### T9 Circline Lamps\*

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes
20	T9	4-Pin	<b>S2950</b>	FC6T9/WW/RS	Warm White	3000	52	12000	810	6 ½	6 ½	12	12, 13
			<b>S6509</b>	FC6T9/CW/RS	Cool White	4100	62	12000	750	6 ½	6 ½	12	12, 13
22	T9	4-Pin	<b>S6502</b>	FC8T9/WW/RS	Warm White	3000	52	12000	1150	8	8	12	12, 13
			<b>S6500</b>	FC8T9/CW/RS	Cool White	4100	62	12000	1120	8	8	12	12, 13
			<b>S6501</b>	FC8T9/D/RS	Daylight	6500	76	12000	980	8	8	12	12, 13
30	T9	4-Pin	<b>S6507</b>	FC30/SW FCL30	Warm White	3000	82	12000	1900	9	9	12	12, 13

\* Shatter Proof is available on all Fluorescent Lamps.



## T9 Circline Lamps\* (continued)

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes
<b>32</b>	T9	4-Pin	<b>S6505</b>	FC12T9/WW/RS	Warm White	3000	52	12000	2150	12	12	12	12, 13
			<b>S6503</b>	FC12T9/CW/RS	Cool White	4100	62	12000	1930	12	12	12	12, 13
			<b>S6504</b>	FC12T9/D/RS	Daylight	6500	76	12000	1670	12	12	12	12, 13
<b>40</b>	T9	4-Pin	<b>S2954</b>	FC16T9/WW/RS	Warm White	3000	52	12000	3100	16	16	12	12, 13
			<b>S6506</b>	FC16T9/CW/RS	Cool White	4100	62	12000	2950	16	16	12	12, 13

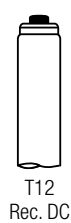
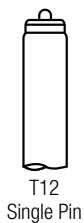
## 2C Circline Lamps\*

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes
<b>40</b>	T6	4-Pin	<b>S6508</b>	FC402C/SW/TC	Warm White	3000	82	12000	2650	7 ½	7 ½	12	12, 13
<b>55</b>	T6	4-Pin	<b>S6596</b>	FC552C/SW/TC	Warm White	3000	82	12000	3800	9	9	12	12, 13

## T12 Instant Start Slimline Lamps\* 24" – 84"

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes
<b>30</b>	T12	Single Pin	<b>S6472</b> ▲	F36T12/CW	Cool White	4200	62	7500	1970	36	34	30	12, 13
<b>39</b>	T12	Single Pin	<b>S6660</b> ▲	F48T12/CW	Cool White	4200	62	9000	2875	48	46	30	12, 13
			<b>S6586</b> ▲	F48T12/CW/TF	Cool White	4200	62	9000	2875	48	46	30	9, 12, 13
<b>50</b>	T12	Single Pin	<b>S6661</b> ▲	F60T12/CW	Cool White	4200	62	12000	3700	60	58	30	12, 13
			<b>S6483</b> ▲	F60T12/D	Daylight	6500	76	12000	3000	60	58	30	12, 13
<b>52</b>	T12	Single Pin	<b>S6662</b> ▲	F64T12/CW	Cool White	4200	62	12000	3900	64	62	30	12, 13
			<b>S6485</b> ▲	F64T12/D	Daylight	6500	76	12000	3300	64	62	30	12, 13
<b>55</b>	T12	Single Pin	<b>S6631</b> ▲	F72T12/WW	Warm White	3000	52	12000	3900	72	70	15	12, 13
			<b>S6630</b> ▲	F72T12/CW	Cool White	4200	62	12000	4500	72	70	15	12, 13
			<b>S6632</b> ▲	F72T12/D	Daylight	6500	76	12000	4150	72	70	15	12, 13

\* Shatter Proof is available on all Fluorescent Lamps.



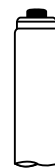
## T12 Instant Start Slimline Lamps\* 96"

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes
<b>75</b>	T12	Single Pin	<b>Y23504</b> ▲	F96T12/WX	Neutral White	3500	87	12000	4200	96	96	15	12, 13
			<b>Y29478</b> ▲	F96T12/CWX	Cool White	4100	87	12000	4400	96	96	15	12, 13
			<b>S6651</b> ▲	F96T12/DSGN50	Natural Light	5000	90	12000	4400	96	94	15	12, 13
			<b>S6650</b> ▲	F96T12/DX	Daylight	6500	88	12000	4310	96	94	15	12, 13

## T12 HO High Output (800 mA) Rapid Start Lamps\* 18" – 64"

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes	
<b>25</b>	T12	Rec. DC	<b>S2849</b> ■	F18T12/CW/HO	Cool White	4200	62	9000	1100	18	15	15/16	15	12, 13
<b>35</b>	T12	Rec. DC	<b>S6449</b> ▲	F24T12/CW/HO	Cool White	4200	62	9000	1650	24	22	30	12, 13	
			<b>S6450</b> ▲	F24T12/D/HO	Daylight	6500	76	9000	1400	24	21	15/16	30	12, 13
<b>42</b>	T12	Rec. DC	<b>S6451</b> ▲	F30T12/CW/HO	Cool White	4200	62	9000	2250	30	27	15/16	30	12, 13
<b>45</b>	T12	Rec. DC	<b>S6452</b> ▲	F36T12/CW/HO	Cool White	4200	62	9000	2850	36	33	15/16	30	12, 13
			<b>S2937</b> ▲	F36T12/D/HO	Daylight	6500	76	9000	2500	36	33	15/16	30	12, 13
<b>55</b>	T12	Rec. DC	<b>S6453</b> ▲	F42T12/CW/HO	Cool White	4200	62	9000	3400	42	40	30	12, 13	
			<b>S6454</b> ▲	F42T12/D/HO	Daylight	6500	76	9000	3050	42	40	30	12, 13	
<b>60</b>	T12	Rec. DC	<b>S6670</b> ▲	F48T12/CW/HO	Cool White	4200	62	12000	4050	48	46	30	12, 13	
			<b>Shatter Proof S6587</b> ▲	F48T12/CW/HO/TF	Cool White	4200	62	12000	4050	48	46	30	9, 12, 13	
			<b>S2940</b> ▲	F48T12/D/HO	Daylight	6500	76	12000	3600	48	46	30	12, 13	
<b>75</b>	T12	Rec. DC	<b>S6671</b> ▲	F60T12/CW/HO	Cool White	4200	62	12000	5200	60	57	15/16	30	12, 13
			<b>S6457</b> ▲	F60T12/D/HO	Daylight	6500	76	12000	4600	60	57	15/16	30	12, 13
<b>80</b>	T12	Rec. DC	<b>S6672</b> ▲	F64T12/CW/HO	Cool White	4200	62	12000	5750	64	61	15/16	30	12, 13
			<b>S6458</b> ▲	F64T12/D/HO	Daylight	6500	76	12000	4900	64	61	15/16	30	12, 13

\* Shatter Proof is available on all Fluorescent Lamps.



T12  
Rec. DC

## T12 HO High Output (800 mA) Rapid Start Lamps\* 72" – 120"

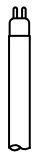
Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes
<b>85</b>	T12	Rec. DC	<b>S2944</b> ▲	F72T12/D35/HO	Neutral White	3500	70	12000	6650	72	69 15/16	15	12, 13
			<b>S6673</b> ▲	F72T12/CW/HO	Cool White	4200	62	12000	6250	72	69 15/16	15	12, 13
			<b>S6460</b> ▲	F72T12/D/HO	Daylight	6500	76	12000	5550	72	69 15/16	15	12, 13
<b>100</b>	T12	Rec. DC	<b>S6674</b> ▲	F84T12/CW/HO	Cool White	4200	62	12000	7550	84	81 15/16	15	12, 13
			<b>S6461</b> ▲	F84T12/D/HO	Daylight	6500	76	12000	6700	84	81 15/16	15	12, 13
<b>110</b>	T12	Rec. DC	<b>S6676</b> ▲	F96T12/CW/HO/CT	Cool White	4200	62	12000	8600	96	93 15/16	15	10, 12, 13
			<b>Shatter Proof</b> <b>S6589</b> ▲	F96T12/CW/HO/CT/TF	Cool White	4200	62	12000	8600	96	93 15/16	15	9, 10, 12, 13
			<b>S2946</b> ▲	F96T12/DSGN50/HO	Natural Light	5000	90	12000	6450	96	93 15/16	15	12, 13
			<b>S6462</b> ▲	F96T12/D/HO/CT	Daylight	6500	76	12000	7600	96	93 15/16	15	10, 12, 13

## T12 HO Very High Output (1500 mA) Rapid Start Lamps\*

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes
<b>115</b>	T12	Rec. DC	<b>S6463</b> ▲	F48T12/CW/VHO	Cool White	4200	62	10000	6600	48	45 15/16	30	12, 13
			<b>S6595</b> ▲	F48T12/CW/VHO/TF	Cool White	4200	62	20000	7400	48	45 15/16	30	12, 13
<b>160</b>	T12	Rec. DC	<b>S6466</b> ▲	F72T12/CW/VHO	Cool White	4200	62	10000	10600	72	70	15	12, 13
<b>195</b>	T12	Rec. DC	<b>S6467</b> ▲	F96T12/CW/VHO/SS	Cool White	4200	62	10000	13000	96	93 15/16	15	12, 13
<b>215</b>	T12	Rec. DC	<b>S6677</b> ▲	F96T12/CW/VHO	Cool White	4200	62	10000	14000	96	93 15/16	15	12, 13
			<b>Shatter Proof</b> <b>S6590</b> ▲	F96T12/CW/VHO/TF	Cool White	4200	62	10000	14000	96	93 15/16	15	12, 13

\* Shatter Proof is available on all Fluorescent Lamps.

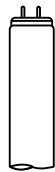




T5  
Mini Bi Pin



T8  
Med. Bi Pin



T12  
Med. Bi Pin

## Specialty Fluorescent Lamps

### T8 and T12 Lamps for Plant and Aquarium Purposes\*

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes
15	T8	Med. Bi Pin	<b>S6888</b> ▲	F15T8/GRO/AQ/RP	Purple	–	66	7500	325	18	17 ¾	6	12, 13
20	T12	Med. Bi Pin	<b>S6889</b> ▲	F20/GRO/AQ/RP	Purple	–	66	9000	480	24	23 ¾	6	12, 13
40	T12	Med. Bi Pin	<b>S6892</b> ▲	F40/GRO/AQ/RP	Purple	–	66	20000	1200	48	47 ¾	6	12, 13
			<b>S6893</b> ▲	F40/GRO/AQ/WS/RP	Pink	3400	89	20000	1700	48	47 ¾	6	8, 12, 13

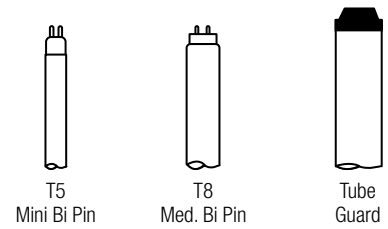
### Blacklight Lamps\*

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes
4	T5	Mini. Bi Pin	<b>S2904</b> ■	F4T5/BL	Black Light	5000	6	6	5 15/16	1	12, 13
6	T5	Mini. Bi Pin	<b>S2905</b> ■	F6T5/BL	Black Light	5000	9	9	8 15/16	1	12, 13
15	T8	Med. Bi Pin	<b>S4574</b> ■	F15T8/BL	Black Light	7500	18	18	17 ¾	1	12, 13
20	T12	Med. Bi Pin	<b>S2925</b> ▲	F20T12/350BL	Black Light	9000	24	24	23 ¾	24	12, 13
22	T12	Med. Bi Pin	<b>S6874</b> ▲	F15"T12/350BL/500/PH	Black Light	–	15	15	17 ¾	30	12, 13
25	T8	Med. Bi Pin	<b>S6875</b> ▲	F25T8/350BL/18"	Black Light	–	18	18	17 ¾	24	12, 13
30	T8	Med. Bi Pin	<b>S6876</b> ▲	F30T8/350BL	Black Light	7500	36	36	35 ¾	24	12, 13
32	T12	Med. Bi Pin	<b>S6877</b> ▲	F18"T12/350BL/700/PH	Black Light	–	18	18	17 ¾	30	12, 13
40	T12	Med. Bi Pin	<b>S2926</b> ▲	F40/350BL	Black Light	20000	48	48	47 ¾	30	12, 13

### Blacklight Blue Lamps\*

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Color	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Carton	Notes
4	T5	Mini. Bi Pin	<b>S6405</b> ■	F4T5/BLB	Blk. Lt. Blue	5000	6	6	5 15/16	25	12, 13
6	T5	Mini. Bi Pin	<b>S2907</b> ■	F6T5/BLB	Blk. Lt. Blue	5000	9	9	8 15/16	25	12, 13
8	T5	Mini. Bi Pin	<b>S6406</b> ■	F8T5/BLB	Blk. Lt. Blue	5000	12	12	11 15/16	25	12, 13
15	T8	Med. Bi Pin	<b>S6407</b> ■	F15T8/BLB	Blk. Lt. Blue	7500	18	18	17 ¾	25	12, 13
20	T12	Med. Bi Pin	<b>S6408</b> ■	F20T12/BLB	Blk. Lt. Blue	9000	24	24	23 ¾	25	12, 13
40	T12	Med. Bi Pin	<b>S6409</b> ▲	F40/BLB/RP	Blk. Lt. Blue	20000	48	48	47 ¾	6	12, 13

\* Shatter Proof is available on all Fluorescent Lamps.



## Germicidal Preheat Lamps\*

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Avg. Rated Hours	Nominal Length Inches	M.O.L. Inches	Carton	Notes
<b>8</b>	T5	Mini. Bi Pin	<b>S6885</b> ■	G8T5	8000	12	11 15/16	24	7
<b>15</b>	T8	Med. Bi Pin	<b>S6886</b> ■	G15T8	7500	18	17 3/4	24	7
<b>30</b>	T8	Med. Bi Pin	<b>S6887</b> ■	G30T8	7500	36	35 3/4	24	7

## Polycarbonate Tube Guards With End Caps

Type	Satco Prod. #	Lamp Code	Description	Length Inches	Carton
FG40	<b>S7870</b> ■	FG40 TUBEGUARD	FG40 TUBEGUARD 4FT T12	48	24#
FG408	<b>S7997</b> ■	FG408 TUBEGUARD	FG408 TUBEGUARD 4FT T8	48	24#
FG96	<b>S7966</b> ■	FG96 TUBEGUARD	FG96 TUBEGUARD 8FT T12	96	24#
FG968	<b>S7967</b> ■	FG968 TUBEGUARD	FG968 TUBEGUARD 8FT T8	96	24#
FG405	<b>S7994</b> ■	FG405 TUBEGUARD NON HO	FG405 TUBEGUARD 4FT T5 NON HO	48	50#

#Full case purchase only.

## Lighting Product Recycling Program – Drop Ship Program

Satco Prod. #	Lamp Code	Size Inches
<b>4SBAKPAK</b> ■	4ft. Lamp Recycling Small Corrugated Box / Holds (32) T8 – (18) T12 (4ft. Lamps)	7 1/2 x 6 x 48
<b>4BAKPAK</b> ■	4ft. Lamp Recycling Standard Corrugated Box / Holds (100) T8 – (50) T12 (4ft. Lamps)	13 1/2 x 7 3/4 x 48
<b>8BAKPAK</b> ■	8ft. Lamp Recycling Standard Corrugated Box / Holds (60) T8 – (30) T12 (8ft. Lamps)	10 1/2 x 8 x 94 1/4
<b>MULTIBAKPAK</b> ■	Miscellaneous Lamp Recycling Corrugated Box / (Holds U's, HIDs, Biax, etc.)	25 x 15 x 23
<b>COMBAKPAK</b> ■	5 Gallon Pail / Holds 70lbs. (Up to 90 CFLs)	11 x 14
<b>BALBAKPAK</b> ■	5 Gallon Pail / Holds 70lbs. Lighting Ballasts	11 x 14
<b>BAKPAKBATTERIES</b> ■	5 Gallon Pail / Holds 70lbs. Batteries (Battery Types: Alkaline, Ni-Cad, Nickel Metal Hydride, Lithium Ion, Zinc Carbon, Mercuric Oxide, Silver Oxide, Button Cell)	11 x 14

\* Shatter Proof is available on all Fluorescent Lamps.

**General Fluorescent Notes**

- = Product by a manufacturer other than Satco
- ▲ = Product by one of the Primary lamp manufacturers
- † = To be discontinued when inventory is depleted due to legislation requirements.

Due to the fragile nature of fluorescent tubes, please discuss shipping issues, and packing charges for all fluorescent lamps 48" or longer. Some items can only be shipped in full cases.

ECO and ENV fluorescent lamps are designed to pass the Federal Toxic Characteristic Leaching Procedure (TCLP) criteria for classification as non-hazardous waste in most states. TCLP test results are available upon request. Lamp disposal regulations may vary, check your local and state regulations. For more information, please visit [lamprecycle.org](http://lamprecycle.org). At this time, much of the fluorescent product line is transitioning from non-ECO product to ECO product, if this is a critical issue for your application, call customer service to confirm ECO availability.

**Fluorescent Notes**

1 The UV radiation of Black Light excites the fluorescent paints, fabrics, and other materials used for theatrical special effects. Black Light lamps are also used in bars and restaurants for lighting effects. Black Light lamps are also used in Bug Zappers, and by Pest Control professionals.

**CAUTION:** This lamp emits ultraviolet (UV) power during operation and is in Risk Group 1 per ANSI/IESNA RP-27.3-96. Exposure at less than 0.25 meters (10 inches) should be limited; for example exposure at 0.14m (6 inches) should not exceed 4 hours in an 8 hour interval (see ANSI/IESNA RP-27.1-96). Certain medications and chemicals can increase an individual's sensitivity. Consult your physician for specific information. Protective eyewear should be worn in occupational situations involving long term exposure in close proximity to the lamp. This lamp is not intended and should not be used for diagnostic, therapeutic or cosmetic purposes.

2 Black Light Blue is similar to Black Light, but with a filter in the glass to filter out visible light. Used by psychedelic shops for lighting fluorescent posters, displays, etc. In the theatre Black Light Blue is used where only fluorescent materials in clothing and objects, most white clothing, teeth, and whites of the eye, are desired for effect. These are often used in bars, restaurants, bowling alleys, and mini golf venues to achieve similar effects.

**CAUTION:** This lamp emits ultraviolet (UV) power during operation and is in Risk Group 1 per ANSI/IESNA RP-27.3-96. Exposure at less than 0.25 meters (10 inches) should be limited; for example exposure at 0.14m (6 inches) should not exceed 4 hours in an 8 hour interval (see ANSI/IESNA RP-27.1-96). Certain medications and chemicals can increase an individual's sensitivity. Consult your physician for specific information. Protective eyewear should be worn in occupational situations involving long term exposure in close proximity to the lamp. This lamp is not intended and should not be used for diagnostic, therapeutic or cosmetic purposes.

3 Fluorescent T8 Appliance Lamp Cross References

Satco	Sylvania	Phillips	GE
S6513	F18T8CW/K24	F15T8/CW/24	F24"T8/CW/4
S6514	F18T8CW/K26	F16T8/CW/26	F26"T8/CW/4
S6515	F18T8CW/K28	F17T8/CW/28	F28"T8/CW/4
S6516	F18T8CW/K30	F18T8/CW/30	F30"T8/CW/4

- 4 Rated life of T8 lamps when used on Rapid Start or Programmed Rapid Start ballasts based on 3 hours per cycle. When used on Instant Start ballasts, hours are 24,000 based on 3 hours per cycle. At 12 hours per cycle, life is 36,000 hours on Rapid Start or Programmed Rapid Start ballasts and 30,000 on Instant Start ballasts.
- 5 Due to their small diameter, T2 mini fluorescent lamps operate at higher surface temperatures than other fluorescent lamps. To avoid possible burns, do not touch the lamp during operation and allow sufficient cooling time before removing the lamp from the fixture. The typical bulb wall temperature during operation is 120° at the ends. The maximum allowable bulb wall temperature is 150° C.
- 6 The F34 and FB34 lamps were previously known as energy saving F40, and FB40 lamps. Not intended for use: (1) at lamp ambient temperatures below 60° F or in drafty locations, (2) on low power factor ballasts, (3) reduced current/reduced light output ballasts, (4) dimming ballasts, or (5) on inverter operated emergency lighting systems unless any of the above equipment is specifically listed for use with 34 watt lamps.
- 7 **▲WARNING:** To prevent possible serious injury, eye and skin should not be exposed to direct or reflected ultraviolet power emitted by this lamp. This lamp is in Risk Group 3 per ANSI/IESNA RP-27.3-96. Adequate protection should be provided by clothing, gloves, opaque materials, and ordinary window glass. Although this lamp will operate in standard fluorescent fixtures, it should not be used for general lighting applications.
- 8 Grow Light wide spectrum lamps are also used for retail meat case applications.
- 9 **ShatterProof** lamps are designed for any application where lamps are at risk of being broken. The rubber coating will contain the glass particles and phosphors should the lamp break, keeping it from falling into food, or elsewhere. Many jurisdictions now require the use of coated lamps in all food preparation and service areas. This coating also has the added benefit of blocking all UV emissions from 100 to 380 nanometers, common to fluorescent technology.
- 10 Labeled for cold temperature (below 60°F) operation only per EPACT.
- 11 The average rated hours are based on 3 hours per start when used on an instant start ballast meeting ANSI specifications. The average hours will increase when operated on longer operating cycles.
- 12 Initial lumens are measured after 100 hours of operation.
- 13 Consult the ballast manufacturer for minimum starting temperature, which is a function of the ballast.

## Lamps that keep on saving.

Compact fluorescent lamps have become one of the most popular lamp types available. With lumen output similar to that of incandescent lamps, but only using about one quarter of the wattage, it's easy to see why. Satco carries hundreds of variations of high quality, energy efficient compact fluorescent lamps from 5W mini spirals, to decorative types, to our HI-PRO high-wattage spirals suitable for almost any commercial application.

There's also a wide selection of twin, triple, and quad tube pin-based lamps in the Satco/Hygrade™ family. For sure, Satco has a CFL for virtually every lighting application.

### CFL features:

- Lamps from 5 to 105 Watts
- Complete choice of color temperatures
- Energy efficient – uses up to 75% less energy than incandescent technology
- Long life – up to 12,000 hours
- Excellent color rendering
- Lamps for consumer and industrial use
- Environmentally friendly – low Mercury
- Virtually all industry standard base types available





Nuvo Lighting's Harlow five light chandelier in Hazel Bronze with Khaki fabric shades. Nuvo item number 60-4725. [www.nuvolighting.com](http://www.nuvolighting.com)

Energy efficient bulbs are recommended in five of the most used residential fixtures or locations – kitchen, living room, bathroom, bedroom, and outdoor. Since these areas of the home have the highest energy use for lighting, these “high five” are good places to start, with plenty of options to suit most applications.

Nuvo Lighting's Odeon five light chandelier in Brushed Nickel with Satin White glass. Nuvo item number 60-3806. [www.nuvolighting.com](http://www.nuvolighting.com)



**COMPACT FLUORESCENT**



Mini Spiral  
Med.

## T2 Ultra Mini Spiral – 4 Bulb Value Pack - Suitable for enclosed fixtures

Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/ Inner Carton
<b>13</b>	Mini Spiral	Med.	<b>S6235</b>	60W	13T2/27	120	2700	82	12000	900	4 1/8	1 13/16	Box	12- 4pks
			<b>S6238</b>	60W	13T2/35	120	3500	82	12000	900	4 1/8	1 13/16	Box	12- 4pks
			<b>S6236</b>	60W	13T2/41	120	4100	82	12000	880	4 1/8	1 13/16	Box	12- 4pks
			<b>S6237</b>	60W	13T2/50	120	5000	82	12000	880	4 1/8	1 13/16	Box	12- 4pks
			<b>S5549</b>	60W	13T2/50	120	5000	82	12000	880	4 1/8	1 13/16	Clamshell	24- 4pks

## T2 Ultra Mini Spiral – 3 Bulb Value Pack - Suitable for enclosed fixtures

Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/ Inner Carton
<b>18</b>	Mini Spiral	Med.	<b>S6271</b>	75W	18T2/27	120	2700	82	12000	1140	4 1/2	2 1/8	Box	12- 3pks
			<b>S5541</b>	75W	18T2/27	120	2700	82	12000	1140	4 1/2	2 1/8	Clamshell	24- 3pks
			<b>S6272</b>	75W	18T2/41	120	4100	82	10000	1200	4 1/2	2 1/8	Box	12- 3pks
			<b>S6273</b>	75W	18T2/50	120	5000	82	10000	1200	4 1/2	2 1/8	Box	12- 3pks
			<b>S5543</b>	75W	18T2/50	120	5000	82	10000	1200	4 1/2	2 1/8	Clamshell	24- 3pks
<b>23</b>	Mini Spiral	Med.	<b>S6274</b>	100W	23T2/27	120	2700	82	12000	1600	4 7/8	2 1/8	Box	12- 3pks
			<b>S5544</b>	100W	23T2/27	120	2700	82	12000	1600	4 7/8	2 1/8	Clamshell	24- 3pks
			<b>S6284</b>	100W	23T2/35	120	3500	82	12000	1600	4 7/8	2 1/8	Box	12- 3pks
			<b>S6275</b>	100W	23T2/41	120	4100	82	12000	1600	4 7/8	2 1/8	Box	12- 3pks
			<b>S6276</b>	100W	23T2/50	120	5000	82	12000	1600	4 7/8	2 1/8	Box	12- 3pks
			<b>S5546</b>	100W	23T2/50	120	5000	82	12000	1600	4 7/8	2 1/8	Clamshell	24- 3pks

## T2 Ultra Mini Spiral – 8 Bulb Value Pack - Suitable for enclosed fixtures

Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/ Inner Carton
<b>13</b>	Mini Spiral	Med.	<b>S6277</b>	60W	13T2/27	120	2700	82	12000	900	4 1/8	1 13/16	Box	18- 8pks
<b>18</b>	Mini Spiral	Med.	<b>S6278</b>	75W	18T2/27	120	2700	82	12000	1140	4 1/2	2 1/8	Box	15- 8pks
<b>23</b>	Mini Spiral	Med.	<b>S6279</b>	100W	23T2/27	120	2700	82	12000	1600	4 7/8	2 1/8	Box	15- 8pks



Mini Spiral  
Cand.



Mini Spiral  
Med.

## Screw In Lamps

T2 Ultra Mini Spiral Lamps - Suitable for enclosed fixtures

Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/Inner Carton	
5	Mini Spiral	Cand.	S7264	25W	5T2C/27	120	2700	82	10000	280	3 7/16	1 3/8	Box	48/12	
			S7265	25W	5T2C/41	120	4100	82	10000	280	3 7/16	1 3/8	Box	48/12	
			S7266	25W	5T2C/50	120	5000	82	10000	280	3 7/16	1 3/8	Box	48/12	
			Med.	S7261	25W	5T2/27	120	2700	82	10000	280	3 7/16	1 3/8	Box	48/12
	Med.	S5501	25W	5T2/27	120	2700	82	10000	280	3 7/16	1 3/8	Clamshell	24/6		
		S7262	25W	5T2/41	120	4100	82	10000	280	3 7/16	1 3/8	Box	48/12		
		S7263	25W	5T2/50	120	5000	82	10000	280	3 7/16	1 3/8	Box	48/12		
		S5503	25W	5T2/50	120	5000	82	10000	280	3 7/16	1 3/8	Clamshell	24/6		
9	Mini Spiral	Cand.	S7361	40W	9T2C/27	120	2700	82	12000	550	4	1 9/16	Box	48/12	
			S7362	40W	9T2C/41	120	4100	82	12000	550	4	1 9/16	Box	48/12	
			S7363	40W	9T2C/50	120	5000	82	10000	570	4	1 9/16	Box	48/12	
			Med.	S7211	40W	9T2/27	120	2700	82	12000	550	4	1 9/16	Box	48/12
	Med.	S5504	40W	9T2/27	120	2700	82	12000	550	4	1 9/16	Clamshell	24/6		
		S7212	40W	9T2/41	120	4100	82	12000	550	4	1 9/16	Box	48/12		
		S7213	40W	9T2/50	120	5000	82	10000	570	4	1 9/16	Box	48/12		
		S5506	40W	9T2/50	120	5000	82	10000	570	4	1 9/16	Clamshell	24/6		
11	Mini Spiral	Med.	S7214	40W	11T2/27	120	2700	82	10000	730	4	1 13/16	Box	48/12	
			S5507	40W	11T2/27	120	2700	82	10000	730	4	1 13/16	Clamshell	24/6	
			S7215	40W	11T2/41	120	4100	82	10000	730	4	1 13/16	Box	48/12	
			S7216	40W	11T2/50	120	5000	82	10000	730	4	1 13/16	Box	48/12	
			S5509	40W	11T2/50	120	5000	82	10000	730	4	1 13/16	Clamshell	24/6	
13	Mini Spiral	Cand.	S7364	60W	13T2C/27	120	2700	82	12000	900	4 1/8	1 13/16	Box	48/12	
			S7365	60W	13T2C/41	120	4100	82	12000	880	4 1/8	1 13/16	Box	48/12	
			S7366	60W	13T2C/50	120	5000	82	12000	880	4 1/8	1 13/16	Box	48/12	
			Med.	S7411	60W	13T2/27/230V	230	2700	82	12000	900	4 1/4	1 13/16	Box	48/12
			S7412	60W	13T2/50/230V	230	5000	82	12000	880	4 1/4	1 13/16	Box	48/12	
			S7217	60W	13T2/27	120	2700	82	12000	900	4 1/8	1 13/16	Box	48/12	
	Med.	S7268	60W	13T2/27/12V	12	2700	82	10000	710	4 1/8	1 13/16	Box	48/12		
		S5516	60W	13T2/27	120	2700	82	12000	900	4 1/8	1 13/16	Clamshell	24/6		
		S7218	60W	13T2/41	120	4100	82	12000	880	4 1/8	1 13/16	Box	48/12		
		S7219	60W	13T2/50	120	5000	82	12000	880	4 1/8	1 13/16	Box	48/12		
S5518	60W	13T2/50	120	5000	82	12000	880	4 1/8	1 13/16	Clamshell	24/6				

† To be discontinued when inventory is depleted.



Mini Spiral  
Med.

## T2 Ultra Mini Spiral Lamps (continued) - Suitable for enclosed fixtures

Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/ Inner Carton
<b>15</b>	Mini Spiral	Med.	<b>S5519</b>	75W	15T2/27	120	2700	82	12000	1100	4 3/8	2 1/8	Clamshell	24/6
			<b>S7221</b>	75W	15T2/27	120	2700	82	12000	1100	4 3/8	2 1/8	Box	48/12
			<b>S7222</b>	75W	15T2/41	120	4100	82	10000	1100	4 3/8	2 1/8	Box	48/12
			<b>S7223</b>	75W	15T2/50	120	5000	82	10000	1100	4 3/8	2 1/8	Box	48/12
<b>18</b>	Mini Spiral	Med.	<b>S7413</b>	75W	18T2/27/230V	230	2700	82	12000	1200	4 5/8	2 1/8	Box	48/12
			<b>S7417</b>	75W	18T2/50/230V	230	5000	82	12000	1200	4 5/8	2 1/8	Box	48/12
			<b>S5523</b>	75W	18T2/27	120	2700	82	12000	1140	4 1/2	2 1/8	Clamshell	24/6
			<b>S7224</b>	75W	18T2/27	120	2700	82	12000	1140	4 1/2	2 1/8	Box	48/12
			<b>S7225</b>	75W	18T2/41	120	4100	82	10000	1200	4 1/2	2 1/8	Box	48/12
			<b>S5525</b>	75W	18T2/50	120	5000	82	10000	1200	4 1/2	2 1/8	Clamshell	24/6
			<b>S7226</b>	75W	18T2/50	120	5000	82	10000	1200	4 1/2	2 1/8	Box	48/12
<b>20</b>	Mini Spiral	Med.	<b>S5401</b>	75W	20T2/27	120	2700	82	12000	1330	4 7/16	2 1/8	Clamshell	24/6
			<b>S7234</b>	75W	20T2/27	120	2700	82	12000	1330	4 7/16	2 1/8	Box	48/12
			<b>S7235</b>	75W	20T2/41	120	4100	82	10000	1300	4 7/16	2 1/8	Box	48/12
			<b>S7236</b>	75W	20T2/50	120	5000	82	10000	1300	4 7/16	2 1/8	Box	48/12
<b>23</b>	Mini Spiral	Med.	<b>S5526</b>	100W	23T2/27	120	2700	82	12000	1600	4 7/8	2 1/8	Clamshell	24/6
			<b>S7227</b>	100W	23T2/27	120	2700	82	12000	1600	4 7/8	2 1/8	Box	48/12
			<b>S7228</b>	100W	23T2/41	120	4100	82	12000	1600	4 7/8	2 1/8	Box	48/12
			<b>S5528</b>	100W	23T2/50	120	5000	82	12000	1600	4 7/8	2 1/8	Clamshell	24/6
			<b>S7229</b>	100W	23T2/50	120	5000	82	12000	1600	4 7/8	2 1/8	Box	48/12
<b>26</b>	Mini Spiral	Med.	<b>S7418</b>	100W	26T2/27/230V	230	2700	82	12000	1750	5 3/16	2 1/8	Box	48/12
			<b>S7414</b>	100W	26T2/50/230V	230	5000	82	12000	1750	5 3/16	2 1/8	Box	48/12
			<b>S5529</b>	100W	26T2/27	120	2700	82	12000	1750	5 1/16	2 1/8	Clamshell	24/6
			<b>S7231</b>	100W	26T2/27	120	2700	82	12000	1750	5 1/16	2 1/8	Box	48/12
			<b>S7232</b>	100W	26T2/41	120	4100	82	10000	1750	5 1/16	2 1/8	Box	48/12
			<b>S5532</b>	100W	26T2/50	120	5000	82	10000	1750	5 1/16	2 1/8	Clamshell	24/6
			<b>S7233</b>	100W	26T2/50	120	5000	82	10000	1750	5 1/16	2 1/8	Box	48/12

† To be discontinued when inventory is depleted.





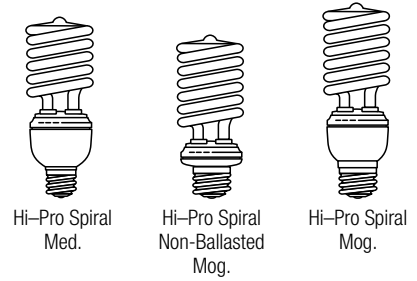
Hi-Pro Spiral  
Med.



Hi-Pro Spiral  
Mog.

## Hi-Pro Spiral / Med. and Mog. Base

Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/Inner Carton
<b>32</b>	Hi-Pro Spiral	Med.	<b>S7331</b>	100W	32T4/27	120	2700	82	10000	2000	6 3/4	2 5/8	Box	48/12
			<b>S7332</b>	100W	32T4/41	120	4100	82	10000	2000	6 3/4	2 5/8	Box	48/12
			<b>S7423</b>	125W	32T4/41	277	4100	82	10000	2000	6 3/4	2 5/8	Box	48/12
			<b>S7333</b>	100W	32T4/50	120	5000	82	10000	2000	6 3/4	2 5/8	Box	48/12
			<b>S7425</b>	125W	32T4/50	277	5000	82	10000	2000	6 3/4	2 5/8	Box	48/12
			Mog.	<b>S7424</b>	125W	32T4/41	277	4100	82	10000	2000	6 15/16	2 5/8	Box
	<b>S7426</b>	125W		32T4/50	277	5000	82	10000	2000	6 15/16	2 5/8	Box	48/12	



## Hi-Pro Spiral / Med. and Mog. Base (continued)

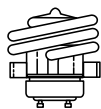
Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/Inner Carton
<b>40</b>	Hi-Pro Spiral	Med.	<b>S7334</b>	150W	40T4/27	120	2700	82	10000	2600	7 5/16	2 5/8	Box	48/12
			<b>S7335</b>	150W	40T4/41	120	4100	82	10000	2600	7 5/16	2 5/8	Box	48/12
			<b>S7427</b>	150W	40T4/41	277	4100	82	10000	2600	7 5/16	2 5/8	Box	48/12
			<b>S7336</b>	150W	40T4/50	120	5000	82	10000	2600	7 5/16	2 5/8	Box	48/12
		Mog.	<b>S7429</b>	150W	40T4/50	277	5000	82	10000	2600	7 5/16	2 5/8	Box	48/12
			<b>S7428</b>	150W	40T4/41	277	4100	82	10000	2600	7 1/2	2 5/8	Box	48/12
			<b>S7430</b>	150W	40T4/50	277	5000	82	10000	2600	7 1/2	2 5/8	Box	48/12
			<b>S7337</b>	300W	55T5/27	120	2700	82	10000	3700	9 5/8	3 1/8	Box	48/12
<b>55</b>	Hi-Pro Spiral	Med.	<b>S7338</b>	300W	55T5/41	120	4100	82	10000	3700	9 5/8	3 1/8	Box	48/12
			<b>S7339</b>	300W	55T5/50	120	5000	82	10000	3700	9 5/8	3 1/8	Box	48/12
			<b>S7384</b>	300W	65T5/27	120	2700	82	10000	4300	9 7/16	3 9/16	Box	48/12
<b>65</b>	Hi-Pro Spiral	Med.	<b>S7385</b>	300W	65T5/41	120	4100	82	10000	4300	9 7/16	3 9/16	Box	48/12
			<b>S7386</b>	300W	65T5/50	120	5000	82	10000	4300	9 7/16	3 9/16	Box	48/12
			<b>S7387</b>	300W	65T5/27	120	2700	82	10000	4300	9 7/8	3 9/16	Box	48/12
		Mog.	<b>S7388</b>	300W	65T5/41	120	4100	82	10000	4300	9 7/8	3 9/16	Box	48/12
			<b>S7389</b>	300W	65T5/50	120	5000	82	10000	4300	9 7/8	3 9/16	Box	48/12
			<b>S7379</b>	250W	65T5/65	120	6500	82	10000	3900	8 9/16	3 9/16	Box	48/12
			Non-ballasted Mog.	<b>S7397</b>	350W	85T5/27	120	2700	82	10000	5700	9 5/16	4	Box
<b>85</b>	Hi-Pro Spiral	Med.	<b>S7398</b>	350W	85T5/41	120	4100	82	10000	5700	9 5/16	4	Box	12/6
			<b>S7399</b>	350W	85T5/50	120	5000	82	10000	5700	9 5/16	4	Box	12/6
			<b>S7391</b>	350W	85T5/27	120	2700	82	10000	5700	10 1/2	4	Box	12/6
		Mog.	<b>S7392</b>	350W	85T5/41	120	4100	82	10000	5700	10 1/2	4	Box	12/6
			<b>S7393</b>	350W	85T5/50	120	5000	82	10000	5700	10 1/2	4	Box	12/6
			<b>S7375</b>	400W	105T5/27	120	2700	82	10000	7000	10 3/4	4	Box	12/6
<b>105</b>	Hi-Pro Spiral	Med.	<b>S7376</b>	400W	105T5/41	120	4100	82	10000	7000	10 3/4	4	Box	12/6
			<b>S7377</b>	400W	105T5/50	120	5000	82	10000	7000	10 3/4	4	Box	12/6
			<b>S7394</b>	400W	105T5/27	120	2700	82	10000	7000	11 1/4	4	Box	12/6
		Mog.	<b>S7395</b>	400W	105T5/41	120	4100	82	10000	7000	11 1/4	4	Box	12/6
			<b>S7415</b>	400W	105T5/41/277	277	4100	82	10000	7000	11 1/4	4	Box	12/6
			<b>S7396</b>	400W	105T5/50	120	5000	82	10000	7000	11 1/4	4	Box	12/6
			<b>S7416</b>	400W	105T5/50/277	277	5000	82	10000	7000	11 1/4	4	Box	12/6



3-Way Spiral  
Med.



Mini Spiral  
GU24 Base



Squat Spiral  
GU24 Base

## 3-Way Spiral

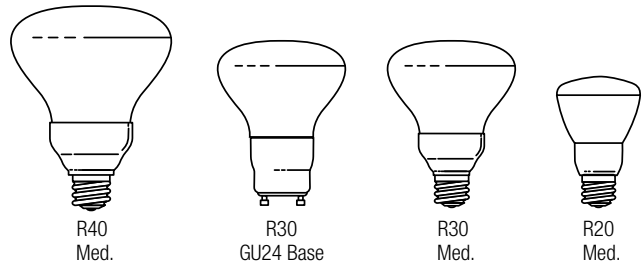
Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/ Inner Carton
<b>12/20/26</b>	Spiral	Med.	<b>S7341</b>	30/70/100W	12/20/26T4/27	120	2700	82	10000	660/1200/1600	6	2 3/8	Box	48/12
			<b>S7342</b>	30/70/100W	12/20/26T4/41	120	4100	82	10000	660/1200/1600	6	2 3/8	Box	48/12
			<b>S7343</b>	30/70/100W	12/20/26T4/50	120	5000	82	10000	660/1200/1600	6	2 3/8	Box	48/12

## GU24 Base Mini & Squat Spiral

Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/ Inner Carton
<b>9</b>	Mini Spiral	GU24	<b>S8201</b>	40W	9GU24/27	120	2700	82	10000	500	3 7/16	1 9/16	Box	48/12
<b>11</b>	Mini Spiral	GU24	<b>S8202</b>	40W	11GU24/27	120	2700	82	10000	650	3 7/16	1 13/16	Box	48/12
<b>13</b>	Mini Spiral	GU24	<b>S5301</b>	60W	13GU24/27	120	2700	82	10000	800	3 5/8	1 13/16	Clamshell	24/6
			<b>S8203</b> Δ	60W	13GU24/27	120	2700	82	10000	800	3 5/8	1 13/16	Box	48/12
			<b>S8226</b>	60W	13T2GU24/35	120	3500	82	10000	900	3 5/8	1 13/16	Box	48/12
			<b>S8208</b>	60W	13T2GU24/41	120	4100	82	10000	880	3 5/8	1 13/16	Box	48/12
	Squat Spiral	GU24	<b>S8227</b> Δ	60W	13T2GU24/27/Squat	120	2700	82	10000	850	2 1/2	2 3/4	Box	48/12
<b>15</b>	Mini Spiral	GU24	<b>S8204</b>	60W	15GU24/27	120	2700	82	10000	1000	3 7/8	2 1/8	Box	48/12
<b>18</b>	Mini Spiral	GU24	<b>S5302</b>	75W	18GU24/27	120	2700	82	10000	1200	4 1/2	2 1/8	Clamshell	24/6
			<b>S8205</b> Δ	75W	18GU24/27	120	2700	82	10000	1200	4 1/2	2 1/8	Box	48/12
			<b>S8229</b>	75W	18GU24/35	120	3500	82	10000	1200	4 5/8	2 1/8	Box	48/12
			<b>S8209</b>	75W	18GU24/41	120	4100	82	10000	1200	4 1/16	2 1/8	Box	48/12
	Squat Spiral	GU24	<b>S8228</b> Δ	75W	18T2GU24/27/Squat	120	2700	82	10000	1100	2 13/16	2 3/4	Box	48/12
<b>23</b>	Mini Spiral	GU24	<b>S8206</b>	100W	23GU24/27	120	2700	82	10000	1600	4 15/16	2 1/8	Box	48/12
			<b>S8232</b>	100W	23GU24/35	120	3500	82	10000	1600	4 15/16	2 1/8	Box	48/12
			<b>S8210</b>	100W	23GU24/41	120	4100	82	10000	1600	4 7/16	2 1/8	Box	48/12
<b>26</b>	Mini Spiral	GU24	<b>S8207</b>	120W	26GU24/27	120	2700	82	10000	1750	5 3/16	2 1/8	Box	48/12
			<b>S8233</b>	120W	26GU24/35	120	3500	82	10000	1750	5 3/16	2 1/8	Box	48/12

Δ Certified Subcomponent Database (CSD) Listed.

COMPACT FLUORESCENT



## R20 Reflector

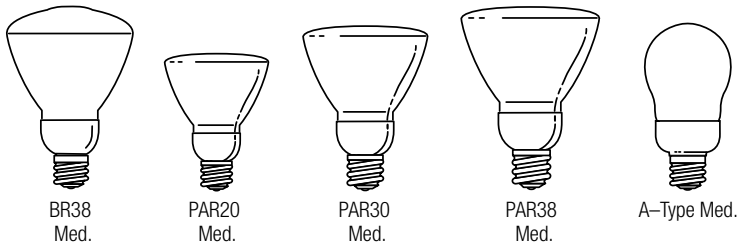
Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/Inner Carton
<b>5</b>	R20	Med.	<b>S7257</b>	30W	5R20/27	120	2700	82	10000	260	3 7/8	2 ½	Box	24/6
			<b>S7258</b>	30W	5R20/41	120	4100	82	10000	260	3 7/8	2 ½	Box	24/6
			<b>S7259</b>	30W	5R20/50	120	5000	82	10000	260	3 7/8	2 ½	Box	24/6
<b>11</b>	R20	Med.	<b>S7254</b>	40W	11R20/27	120	2700	82	10000	350	4 7/16	2 ½	Box	24/6
			<b>S7255</b>	40W	11R20/41	120	4100	82	10000	330	4 7/16	2 ½	Box	24/6
			<b>S7256</b>	40W	11R20/50	120	5000	82	10000	330	4 7/16	2 ½	Box	24/6
<b>13</b>	R20	Med.	<b>S7401</b>	45W	13R20/27	120	2700	82	10000	430	4 5/8	2 ½	Box	24/6
			<b>S7402</b>	45W	13R20/41	120	4100	82	10000	430	4 5/8	2 ½	Box	24/6
			<b>S7403</b>	45W	13R20/50	120	5000	82	10000	430	4 5/8	2 ½	Box	24/6

## R30 Reflector

Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/Inner Carton
<b>15</b>	R30	Med.	<b>S7247</b>	65W	15R30/27	120	2700	82	10000	700	5 3/8	3 ¾	Box	24/6
			<b>S7248</b>	65W	15R30/41	120	4100	82	10000	700	5 3/8	3 ¾	Box	24/6
			<b>S7249</b>	65W	15R30/50	120	5000	82	10000	700	5 3/8	3 ¾	Box	24/6
			<b>S7278</b>	65W	15R30/27/2PK	120	2700	82	10000	700	5 3/8	3 ¾	Box	24/2
		GU24	<b>S8224</b>	65W	15R30/27/GU24	120	2700	82	10000	690	4 ¾	3 ¾	Box	24/6

## R40 Reflector

Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/Inner Carton
<b>23</b>	R40	Med.	<b>S7241</b>	85W	23R40/27	120	2700	82	10000	1090	6 ½	5	Box	24/6
			<b>S7242</b>	85W	23R40/41	120	4100	82	10000	1090	6 ½	5	Box	24/6
			<b>S7243</b>	85W	23R40/50	120	5000	82	10000	1090	6 ½	5	Box	24/6



## BR38 Reflector (U.L. Wet Location)

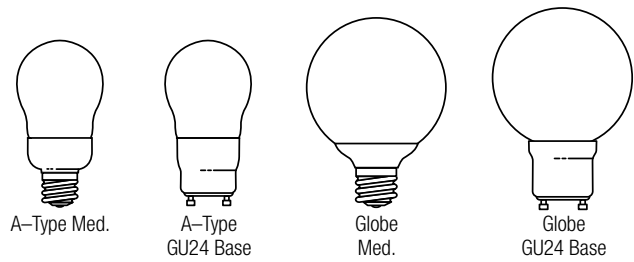
Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/Inner Carton
<b>23</b>	BR38	Med.	<b>S7274</b>	85W	23BR38/27	120	2700	82	10000	1070	6 ½	4 ¾	Box	24/6
			<b>S7275</b>	85W	23BR38/41	120	4100	82	10000	1070	6 ½	4 ¾	Box	24/6
			<b>S7276</b>	85W	23BR38/50	120	5000	82	10000	1070	6 ½	4 ¾	Box	24/6

## PAR Lamps (U.L. Wet Location)

Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/Inner Carton
<b>11</b>	PAR20	Med.	<b>S7421</b>	45W	11PAR20/27/230V	230	2700	82	10000	380	4	2 ½	Box	12/6
			<b>S7207</b>	50W	11PAR20/27	120	3500	82	10000	380	3 7/8	2 ½	Box	12/6
			<b>S7208</b>	50W	11PAR20/41	120	4100	82	10000	380	3 7/8	2 ½	Box	12/6
			<b>Shatter Proof S7238</b>	50W	11PAR20/41	120	4100	82	10000	380	3 7/8	2 ½	Box	12/6
			<b>S7209</b>	50W	11PAR20/50	120	5000	82	10000	380	3 7/8	2 ½	Box	12/6
<b>15</b>	PAR30	Med.	<b>S7204</b>	50W	15PAR30/27	120	2700	82	10000	700	4 5/8	3 ¾	Box	12/6
			<b>S7294</b>	50W	15PAR30/35	120	3500	82	10000	700	4 5/8	3 ¾	Box	12/6
			<b>S7205</b>	50W	15PAR30/41	120	4100	82	10000	720	4 5/8	3 ¾	Box	12/6
			<b>Shatter Proof S7237</b>	50W	15PAR30/41	120	4100	82	10000	720	4 5/8	3 ¾	Box	12/6
<b>23</b>	PAR38	Med.	<b>S7432</b>	75W	23PAR38/27/230V	230	2700	82	10000	1100	5 3/16	4 ¾	Box	12/6
			<b>S7422</b>	75W	23PAR38/50/230V	230	5000	82	10000	1100	5 3/16	4 ¾	Box	12/6
			<b>S7201</b>	75W	23PAR38/27	120	2700	82	10000	1100	5 1/16	4 ¾	Box	12/6
			<b>S7279</b>	75W	23PAR38/27/2PK	120	2700	82	10000	1100	5 1/16	4 ¾	Box	12/2
			<b>S7202</b>	75W	23PAR38/41	120	4100	82	10000	1100	5 1/16	4 ¾	Box	12/6
<b>S7203</b>	75W	23PAR38/50	120	5000	82	10000	1100	5 1/16	4 ¾	Box	12/6			

## A-Type Lamps

Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/Inner Carton
<b>7</b>	A-Type	Med.	<b>S7281</b>	25W	7A19/27	120	2700	82	12000	410	4 ¼	2 1/8	Box	48/12
			<b>S7282</b>	25W	7A19/41	120	4100	82	10000	400	4 ¼	2 1/8	Box	48/12
			<b>S7283</b>	25W	7A19/50	120	5000	82	10000	400	4 ¼	2 1/8	Box	48/12

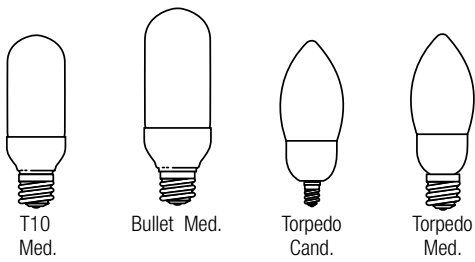


## A-Type Lamps (continued)

Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/Inner Carton
<b>9</b>	A-Type	Med.	<b>S5568</b>	40W	9A19/27	120	2700	82	6000	450	4 3/16	2 3/16	Clamshell	24/6
			<b>S7284</b>	40W	9A19/27	120	2700	82	6000	450	4 3/16	2 7/16	Box	48/12
			<b>S7285</b>	40W	9A19/41	120	4100	82	10000	450	4 3/16	2 7/16	Box	48/12
			<b>S7286</b>	40W	9A19/50	120	5000	82	10000	450	4 3/16	2 7/16	Box	48/12
<b>11</b>	A-Type	Med.	<b>S5572</b>	40W	11A19/27	120	2700	82	10000	540	4 3/16	2 7/16	Clamshell	24/6
			<b>S7287</b>	40W	11A19/27	120	2700	82	10000	540	4 3/16	2 3/16	Box	48/12
			<b>S7288</b>	40W	11A19/41	120	4100	82	10000	540	4 3/16	2 3/16	Box	48/12
			<b>S7289</b>	40W	11A19/50	120	5000	82	10000	540	4 3/16	2 3/16	Box	48/12
<b>15</b>	A-Type	Med.	<b>S5575</b>	60W	15A19/27	120	2700	82	10000	975	4 5/8	2 ¼	Clamshell	24/6
			<b>S7291</b>	60W	15A19/27	120	2700	82	10000	975	4 5/8	2 ¼	Box	48/12
			<b>S7292</b>	60W	15A19/41	120	4100	82	10000	800	4 5/8	2 ¼	Box	48/12
			<b>S7293</b>	60W	15A19/50	120	5000	82	10000	800	4 5/8	2 ¼	Box	48/12
			GU24	<b>S8225</b>	60W	15A19/27/GU24	120	2700	82	10000	800	4 ¾	2 5/8	Box

## Globe Lamps

Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/Inner Carton
<b>9</b>	Globe	Med.	<b>S7301</b>	40W	9G25/27	120	2700	82	10000	540	4 5/16	3 1/8	Box	48/12
			<b>S7302</b>	40W	9G25/41	120	4100	82	10000	500	4 5/16	3 1/8	Box	48/12
			<b>S7303</b>	40W	9G25/50	120	5000	82	10000	500	4 5/16	3 1/8	Box	48/12
<b>15</b>	Globe	Med.	<b>S7304</b>	60W	15G25/27	120	2700	82	10000	820	4 ¾	3 7/16	Box	48/12
			<b>S7305</b>	60W	15G25/41	120	4100	82	10000	820	4 ¾	3 7/16	Box	48/12
			<b>S7306</b>	60W	15G25/50	120	5000	82	10000	820	4 ¾	3 7/16	Box	48/12
			GU24	<b>S8221</b>	60W	15G25/27/GU24	120	2700	82	10000	740	4 ¾	3 5/8	Box

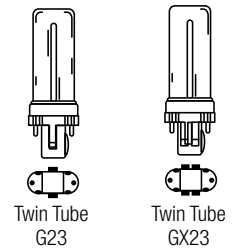


## T10 & Bullet Lamps

Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/Inner Carton
<b>7</b>	T10	Med.	<b>S7381</b>	40W	7T10/27	120	2700	85	10000	340	4 13/16	1 5/16	Box	48/12
			<b>S7382</b>	40W	7T10/41	120	4100	85	10000	340	4 13/16	1 5/16	Box	48/12
			<b>S7383</b>	40W	7T10/50	120	5000	85	10000	340	4 13/16	1 5/16	Box	48/12
<b>15</b>	Bullet	Med.	<b>S7307</b>	60W	EFT15/27	120	2700	82	10000	800	5 ½	1 5/16	Box	48/12
			<b>S7308</b>	60W	EFT15/41	120	4100	82	10000	800	5 ½	1 5/16	Box	48/12
			<b>S7309</b>	60W	EFT15/50	120	5000	82	10000	800	5 ½	1 5/16	Box	48/12
<b>20</b>	Bullet	Med.	<b>S7367</b>	60W	EFT20/28	277	2800	82	10000	1200	6 ½	1 5/16	Box	12/6

## Torpedo Lamps

Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/Inner Carton
<b>5</b>	Torpedo	Cand.	<b>S7311</b>	25W	5CTCFL/27	120	2700	82	10000	220	4 5/16	1 ¾	Box	48/12
			<b>S7312</b>	25W	5CTCFL/41	120	4100	82	10000	220	4 5/16	1 ¾	Box	48/12
			<b>S7313</b>	25W	5CTCFL/50	120	5000	82	10000	220	4 5/16	1 ¾	Box	48/12
		Med.	<b>S7314</b>	25W	5ETCFL/27	120	2700	82	10000	220	4 7/16	1 ¾	Box	48/12
			<b>S7315</b>	25W	5ETCFL/41	120	4100	82	10000	220	4 7/16	1 ¾	Box	48/12
<b>7</b>	Torpedo	Cand.	<b>S5595</b>	40W	7CTCFL/27	120	2700	82	10000	340	4 11/16	1 ¾	Clamshell	24/6
			<b>S7327</b>	40W	7CTCFL/27	120	2700	82	10000	340	4 11/16	1 ¾	Box	48/12
			<b>S7318</b>	40W	7CTCFL/41	120	4100	82	10000	340	4 11/16	1 ¾	Box	48/12
		Med.	<b>S7319</b>	40W	7CTCFL/50	120	5000	82	10000	340	4 11/16	1 ¾	Box	48/12
			<b>S5596</b>	40W	7ETCFL/27	120	2700	82	10000	340	4 13/16	1 ¾	Clamshell	24/6
			<b>S7328</b>	40W	7ETCFL/27	120	2700	82	10000	340	4 13/16	1 ¾	Box	48/12
			<b>S7322</b>	40W	7ETCFL/41	120	4100	82	10000	340	4 13/16	1 ¾	Box	48/12
			<b>S7323</b>	40W	7ETCFL/50	120	5000	82	10000	340	4 13/16	1 ¾	Box	48/12

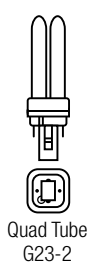
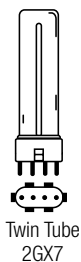
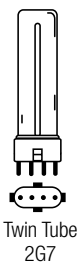


# Plug In Lamps

## Twin Tube 2-Pin for Magnetic Ballasts

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	Pkg. Type	Master/Inner Carton
<b>5</b>	T4	G23	<b>S8300</b>	CFS5W/827	120	2700	82	12000	230	4 ½	Hang Box	50
			<b>S6700 ▲</b>	CF5DS/827	120	2700	82	10000	230	4 3/16	Box	50
			<b>S8381</b>	CFS5W/835	120	3500	82	12000	230	4 ½	Hang Box	50
			<b>S8301</b>	CFS5W/841	120	4100	82	12000	230	4 ½	Hang Box	50
			<b>S6701 ▲</b>	CF5DS/841	120	4100	82	10000	230	4 3/16	Box	50
<b>7</b>	T4	G23	<b>S8302</b>	CFS7W/827	120	2700	82	12000	400	5 11/16	Hang Box	50
			<b>S6702 ▲</b>	CF7DS/827	120	2700	82	10000	400	5 5/16	Box	50
			<b>S8303</b>	CFS7W/835	120	3500	82	12000	400	5 11/16	Hang Box	50
			<b>S6703 ▲</b>	CF7DS/835	120	3500	82	10000	400	5 5/16	Box	50
			<b>S8304</b>	CFS7W/841	120	4100	82	12000	400	5 11/16	Hang Box	50
			<b>S6704 ▲</b>	CF7DS/841	120	4100	82	10000	400	5 5/16	Box	50
			<b>S8305</b>	CFS7W/850	120	5000	82	12000	400	5 11/16	Hang Box	50
			<b>S6705 ▲</b>	CF7DS/850	120	5000	82	10000	400	5 5/16	Box	50
<b>9</b>	T4	G23	<b>S8306</b>	CFS9W/827	120	2700	82	12000	580	6 11/16	Hang Box	50
			<b>S6706 ▲</b>	CF9DS/827	120	2700	82	10000	580	6 ½	Box	50
			<b>S8307</b>	CFS9W/835	120	3500	82	12000	580	6 11/16	Hang Box	50
			<b>S6707 ▲</b>	CF9DS/835	120	3500	82	10000	580	6 ½	Box	50
			<b>S8308</b>	CFS9W/841	120	4100	82	12000	580	6 11/16	Hang Box	50
			<b>S6708 ▲</b>	CF9DS/841	120	4100	82	10000	580	6 ½	Box	50
			<b>S8309</b>	CFS9W/850	120	5000	82	12000	580	6 11/16	Hang Box	50
			<b>S6709 ▲</b>	CF9DS/850	120	5000	82	10000	580	6 ½	Box	50
<b>13</b>	T4	GX23	<b>S8310</b>	CFS13W/827	120	2700	82	12000	800	7 5/8	Hang Box	50
			<b>S6710 ▲</b>	CF13DS/827	120	2700	82	10000	800	7 1/8	Box	50
			<b>S8380</b>	CFS13W/830	120	3000	82	12000	800	7 5/8	Hang Box	50
			<b>S6780 ▲</b>	CF13DS/830	120	3000	82	10000	800	7 1/8	Box	50
			<b>S8311</b>	CFS13W/835	120	3500	82	12000	800	7 5/8	Hang Box	50
			<b>S6711 ▲</b>	CF13DS/835	120	3500	82	10000	800	7 1/8	Box	50
			<b>S8312</b>	CFS13W/841	120	4100	82	12000	800	7 5/8	Hang Box	50
			<b>S6712 ▲</b>	CF13DS/841	120	4100	82	10000	800	7 1/8	Box	50
			<b>S8313</b>	CFS13W/850	120	5000	82	12000	800	7 5/8	Hang Box	50
<b>S6713 ▲</b>	CF13DS/850	120	5000	82	10000	800	7 1/8	Box	50			





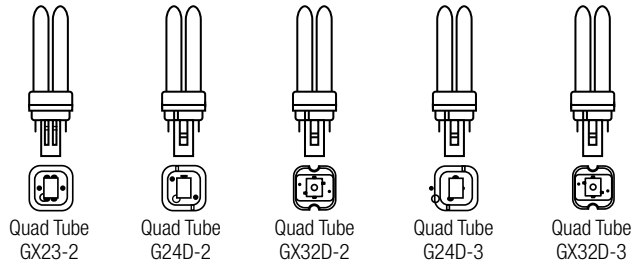
## Twin Tube 4-Pin for Electronic & Dimming Ballasts

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	Pkg. Type	Carton
5	T4	2G7	S8360	CF5DS/E/827	120	2700	82	15000	230	4 ½	Box	50
			S8361	CF5DS/E/841	120	4100	82	15000	230	4 ½	Box	50
7	T4	2G7	S8362	CF7DS/E/827	120	2700	82	15000	400	5 11/16	Box	50
			S6413 ▲	CF7DS/E/827	120	2700	82	10000	400	4 ½	Box	50
			S8363	CF7DS/E/841	120	4100	82	15000	400	5 11/16	Box	50
			S6414 ▲	CF7DS/E/841	120	4100	82	10000	400	4 ½	Box	50
9	T4	2G7	S8364	CF9DS/E/827	120	2700	82	15000	580	6 11/16	Box	50
			S6415 ▲	CF9DS/E/827	120	2700	82	10000	580	5 11/16	Box	50
			S8365	CF9DS/E/841	120	4100	82	15000	580	6 11/16	Box	50
			S6416 ▲	CF9DS/E/841	120	4100	82	10000	580	5 11/16	Box	50
13	T4	2GX7	S8366	CF13DS/E/827	120	2700	82	15000	800	7 5/8	Box	50
			S6417 ▲	CF13DS/E/827	120	2700	82	10000	800	6 3/16	Box	50
			S8367	CF13DS/E/830	120	3000	82	15000	800	7 5/8	Box	50
			S6418 ▲	CF13DS/E/830	120	3000	82	10000	800	6 3/16	Box	50
			S8368	CF13DS/E/835	120	3500	82	15000	800	7 5/8	Box	50
			S8369	CF13DS/E/841	120	4100	82	15000	800	7 5/8	Box	50
			S6419 ▲	CF13DS/E/841	120	4100	82	10000	800	6 3/16	Box	50

## Quad Tube 2-Pin for Magnetic Ballasts

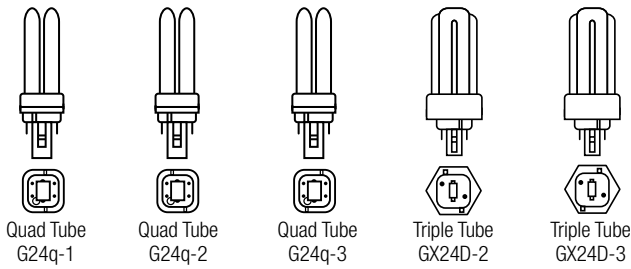
Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	Pkg. Type	Carton
9	T4	G23-2	S8314	CFD9W/827	120	2700	82	12000	525	4 ½	Hang Box	50
			S6714 ▲	CF9DD/827	120	2700	82	10000	525	4 5/16	Box	50
			S8315	CFD9W/830	120	3000	82	12000	525	4 ½	Hang Box	50
			S8316	CFD9W/835	120	3500	82	12000	525	4 ½	Hang Box	50
			S6716 ▲	CF9DD/835	120	3500	82	10000	525	4 5/16	Box	50

COMPACT FLUORESCENT



## Quad Tube 2-Pin for Magnetic Ballasts (continued)

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	Pkg. Type	Carton
<b>13</b>	T4	GX23-2	<b>S8317</b>	CFD13W/827	120	2700	82	12000	780	5 11/16	Hang Box	50
			<b>S6717 ▲</b>	CF13DD/827	120	2700	82	10000	780	4 5/8	Box	50
			<b>S8318</b>	CFD13W/830	120	3000	82	12000	780	5 11/16	Hang Box	50
			<b>S6718 ▲</b>	CF13DD/830	120	3000	82	10000	780	4 5/8	Box	50
			<b>S8319</b>	CFD13W/835	120	3500	82	12000	780	5 11/16	Hang Box	50
			<b>S6719 ▲</b>	CF13DD/835	120	3500	82	10000	780	4 5/8	Box	50
			<b>S8320</b>	CFD13W/841	120	4100	82	12000	780	5 11/16	Hang Box	50
			<b>S6720 ▲</b>	CF13DD/841	120	4100	82	10000	780	4 5/8	Box	50
<b>18</b>	T4	G24D-2	<b>S8321</b>	CFD18W/827	120	2700	82	12000	1250	6 5/16	Hang Box	50
			<b>S6721 ▲</b>	CF18DD/827	120	2700	82	10000	1250	6	Box	50
			<b>S8322</b>	CFD18W/830	120	3000	82	12000	1250	6 5/16	Hang Box	50
			<b>S6722 ▲</b>	CF18DD/830	120	3000	82	10000	1250	6	Box	50
			<b>S8323</b>	CFD18W/835	120	3500	82	12000	1250	6 5/16	Hang Box	50
			<b>S6723 ▲</b>	CF18DD/835	120	3500	82	10000	1250	6	Box	50
			<b>S8324</b>	CFD18W/841	120	4100	82	12000	1250	6 5/16	Hang Box	50
			<b>S6724 ▲</b>	CF18DD/841	120	4100	82	10000	1250	6	Box	50
<b>22</b>	T5	GX32D-2	<b>S6020</b>	FDL22LE/D/PLC 15mm	120	2700	84	10000	1200	6	Box	40
			<b>S6021</b>	FDL22EX/D/PLC 15mm	120	5000	84	10000	1200	6	Box	50
<b>26</b>	T4	G24D-3	<b>S8325</b>	CFD26W/827	120	2700	82	12000	1825	7 1/8	Hang Box	50
			<b>S6725 ▲</b>	CF26DD/827	120	2700	82	10000	1825	6 13/16	Box	50
			<b>S8326</b>	CFD26W/830	120	3000	82	12000	1825	7 1/8	Hang Box	50
			<b>S6726 ▲</b>	CF26DD/830	120	3000	82	10000	1825	6 13/16	Box	50
			<b>S8327</b>	CFD26W/835	120	3500	82	12000	1825	7 1/8	Hang Box	50
			<b>S6727 ▲</b>	CF26DD/835	120	3500	82	10000	1825	6 13/16	Box	50
			<b>S8328</b>	CFD26W/841	120	4100	82	12000	1825	7 1/8	Hang Box	50
			<b>S6728 ▲</b>	CF26DD/841	120	4100	82	10000	1825	6 13/16	Box	50
<b>28</b>	T5	GX32D-3	<b>S6022</b>	FDL28LE/D/PLC 15mm	120	2800	84	10000	1600	6 13/16	Box	40
			<b>S6023</b>	FDL28EX/D/PLC 15mm	120	5000	84	10000	1600	6 13/16	Box	40

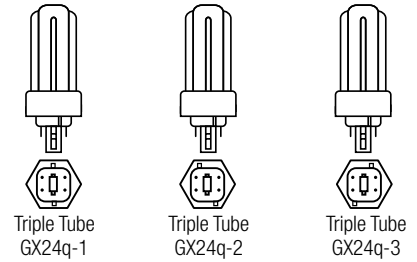


## Quad Tube 4-Pin for Electronic & Dimming Ballasts

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	Pkg. Type	Carton
<b>13</b>	T4	G24q-1	<b>S8329</b>	CFD13W/4P/827	120	2700	82	15000	900	5 11/16	Hang Box	50
			<b>S6729 ▲</b>	CF13DD/E/827	120	2700	82	12000	900	5 3/16	Box	50
			<b>S8330</b>	CFD13W/4P/830	120	3000	82	15000	900	5 11/16	Hang Box	50
			<b>S6730 ▲</b>	CF13DD/E/830	120	3000	82	12000	900	5 3/16	Box	50
			<b>S8331</b>	CFD13W/4P/835	120	3500	82	15000	900	5 11/16	Hang Box	50
			<b>S6731 ▲</b>	CF13DD/E/835	120	3500	82	12000	900	5 3/16	Box	50
			<b>S8332</b>	CFD13W/4P/841	120	4100	82	15000	900	5 11/16	Hang Box	50
			<b>S6732 ▲</b>	CF13DD/E/841	120	4100	82	12000	900	5 3/16	Box	50
<b>18</b>	T4	G24q-2	<b>S8333</b>	CFD18W/4P/827	120	2700	82	15000	1250	6 5/16	Hang Box	50
			<b>S6733 ▲</b>	CF18DD/E/827	120	2700	82	12000	1250	5 13/16	Box	50
			<b>S8334</b>	CFD18W/4P/830	120	3000	82	15000	1250	6 5/16	Hang Box	50
			<b>S6734 ▲</b>	CF18DD/E/830	120	3000	82	12000	1250	5 13/16	Box	50
			<b>S8335</b>	CFD18W/4P/835	120	3500	82	15000	1250	6 5/16	Hang Box	50
			<b>S6735 ▲</b>	CF18DD/E/835	120	3500	82	12000	1250	5 13/16	Box	50
			<b>S8336</b>	CFD18W/4P/841	120	4100	82	15000	1250	6 5/16	Hang Box	50
			<b>S6736 ▲</b>	CF18DD/E/841	120	4100	82	12000	1250	5 13/16	Box	50
<b>26</b>	T4	G24q-3	<b>S8337</b>	CFD26W/4P/827	120	2700	82	15000	1825	6 1/2	Hang Box	50
			<b>S6737 ▲</b>	CF26DD/E/827	120	2700	82	12000	1825	6 1/2	Box	50
			<b>S8338</b>	CFD26W/4P/830	120	3000	82	15000	1825	6 1/2	Hang Box	50
			<b>S6738 ▲</b>	CF26DD/E/830	120	3000	82	12000	1825	6 1/2	Box	50
			<b>S8339</b>	CFD26W/4P/835	120	3500	82	15000	1825	6 1/2	Hang Box	50
			<b>S6739 ▲</b>	CF26DD/E/835	120	3500	82	12000	1825	6 1/2	Box	50
			<b>S8340</b>	CFD26W/4P/841	120	4100	82	15000	1825	6 1/2	Hang Box	50
			<b>S6740 ▲</b>	CF26DD/E/841	120	4100	82	12000	1825	6 1/2	Box	50

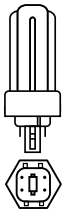
## Triple Tube 2-Pin for Magnetic Ballasts

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	Pkg. Type	Carton	Notes
<b>18</b>	T4	GX24d-2	<b>S4367 ▲</b>	CF18DT/827	120	2700	82	12000	1200	4 13/16	Box	50	2
<b>26</b>	T4	GX24d-3	<b>S4368 ▲</b>	CF26DT/827	120	2700	82	12000	1800	5 3/8	Box	50	2

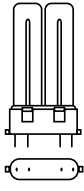


## Triple Tube 4-Pin for Electronic & Dimming Ballasts

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	Pkg. Type	Carton	Notes
<b>13</b>	T4	GX24q-1	<b>S8399</b>	CFT13W/4P/827	120	2700	82	15000	900	4 1/2	Hang Box	50	2
			<b>S4369 ▲</b>	CF13DT/E/827	120	2700	82	12000	900	4 3/16	Box	50	2
			<b>S8396</b>	CFT13W/4P/830	120	3000	82	15000	900	4 1/2	Hang Box	50	2
			<b>S8397</b>	CFT13W/4P/835	120	3500	82	15000	900	4 1/2	Hang Box	50	2
			<b>S4371 ▲</b>	CF13DT/E/835	120	3500	82	12000	900	4 3/16	Box	50	2
			<b>S8398</b>	CFT13W/4P/841	120	4100	82	15000	900	4 1/2	Hang Box	50	2
			<b>S4372 ▲</b>	CF13DT/E/841	120	4100	82	12000	900	4 3/16	Box	50	2
<b>18</b>	T4	GX24q-2	<b>S8341</b>	CFT18W/4P/827	120	2700	82	15000	1200	4 7/8	Hang Box	50	2
			<b>S6741 ▲</b>	CF18DT/E/IN/827	120	2700	82	12000	1200	4 3/8	Box	50	2
			<b>S8342</b>	CFT18W/4P/830	120	3000	82	15000	1200	4 7/8	Hang Box	50	2
			<b>S6742 ▲</b>	CF18DT/E/IN/830	120	3000	82	12000	1200	4 3/8	Box	50	2
			<b>S8343</b>	CFT18W/4P/835	120	3500	82	15000	1200	4 7/8	Hang Box	50	2
			<b>S6743 ▲</b>	CF18DT/E/IN/835	120	3500	82	12000	1200	4 3/8	Box	50	2
			<b>S8344</b>	CFT18W/4P/841	120	4100	82	15000	1200	4 7/8	Hang Box	50	2
<b>S6744 ▲</b>	CF18DT/E/IN/841	120	4100	82	12000	1200	4 3/8	Box	50	2			
<b>26</b>	T4	GX24q-3	<b>S8345</b>	CFT26W/4P/827	120	2700	82	15000	1800	5 11/16	Hang Box	50	2
			<b>S6745 ▲</b>	CF26DT/E/IN/827	120	2700	82	12000	1800	5	Box	50	2
			<b>S8346</b>	CFT26W/4P/830	120	3000	82	15000	1800	5 11/16	Hang Box	50	2
			<b>S6746 ▲</b>	CF26DT/E/IN/830	120	3000	82	12000	1800	5	Box	50	2
			<b>S8347</b>	CFT26W/4P/835	120	3500	82	15000	1800	5 11/16	Hang Box	50	2
			<b>S6747 ▲</b>	CF26DT/E/IN/835	120	3500	82	12000	1800	5	Box	50	2
			<b>S8348</b>	CFT26W/4P/841	120	4100	82	15000	1800	5 11/16	Hang Box	50	2
<b>S6748 ▲</b>	CF26DT/E/IN/841	120	4100	82	12000	1800	5	Box	50	2			
<b>32</b>	T4	GX24q-3	<b>S8349</b>	CFT32W/4P/827	120	2700	82	15000	2400	5 3/16	Hang Box	50	2
			<b>S6749 ▲</b>	CF32DT/E/IN/827	120	2700	82	12000	2400	5 5/8	Box	50	2
			<b>S8350</b>	CFT32W/4P/830	120	3000	82	15000	2400	5 3/16	Hang Box	50	2
			<b>S6750 ▲</b>	CF32DT/E/IN/830	120	3000	82	12000	2400	5 5/8	Box	50	2
			<b>S8351</b>	CFT32W/4P/835	120	3500	82	15000	2400	5 3/16	Hang Box	50	2
			<b>S6751 ▲</b>	CF32DT/E/IN/835	120	3500	82	12000	2400	5 5/8	Box	50	2
			<b>S8352</b>	CFT32W/4P/841	120	4100	82	15000	2400	5 3/16	Hang Box	50	2
<b>S6752 ▲</b>	CF32DT/E/IN/841	120	4100	82	12000	2400	5 5/8	Box	50	2			



Triple Tube  
GX24q-4



Flat Tube  
2G10



Long Twin  
Tube 2G11

### Triple Tube 4-Pin for Electronic & Dimming Ballasts (continued)

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	Pkg. Type	Carton	Notes
<b>42</b>	T4	GX24q-4	<b>S8353</b>	CFT42W/4P/827	120	2700	82	15000	3200	6 ¾	Hang Box	50	2
			<b>S6753 ▲</b>	CF42DT/E/IN/827	120	2700	82	12000	3200	6 ½	Box	50	2
			<b>S8354</b>	CFT42W/4P/830	120	3000	82	15000	3200	6 ¾	Hang Box	50	2
			<b>S6754 ▲</b>	CF42DT/E/IN/830	120	3000	82	12000	3200	6 ½	Box	50	2
			<b>S8355</b>	CFT42W/4P/835	120	3500	82	15000	3200	6 ¾	Hang Box	50	2
			<b>S6755 ▲</b>	CF42DT/E/IN/835	120	3500	82	12000	3200	6 ½	Box	50	2
			<b>S8356</b>	CFT42W/4P/841	120	4100	82	15000	3200	6 ¾	Hang Box	50	2
<b>S6756 ▲</b>	CF42DT/E/IN/841	120	4100	82	12000	3200	6 ½	Box	50	2			

### Long Twin Tube 4-Pin for Electronic Ballasts

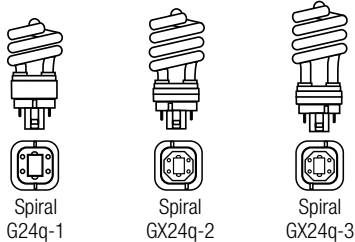
Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	Pkg. Type	Carton	Notes
<b>18</b>	T5	2G11	<b>S8657</b>	FT18HL/830/ENV	120	3000	82	12000	1300	9	Box	10	
			<b>S6757 ▲</b>	FT18DL/830	120	3000	82	12000	1250	9	Box	10	
			<b>S8658</b>	FT18HL/835/ENV	120	3500	82	12000	1300	9	Box	10	
			<b>S6758 ▲</b>	FT18DL/835	120	3500	82	12000	1250	9	Box	10	
			<b>S2965 ▲</b>	FT18DL/835/RS	120	3500	82	20000	1250	10 ½	Box	10	
			<b>S8659</b>	FT18HL/841/ENV	120	4100	82	12000	1300	9	Box	10	
			<b>S6759 ▲</b>	FT18DL/841	120	4100	82	12000	1250	9	Box	10	
<b>S2966 ▲</b>	FT18DL/841/RS	120	4100	82	20000	1250	10 ½	Box	10				
<b>24</b>	T5	2G11	<b>S8660</b>	FT24HL/830/ENV	120	3000	82	12000	1800	12 11/16	Box	10	
			<b>S6760 ▲</b>	FT24DL/830	120	3000	82	12000	1800	12 7/8	Box	10	1
			<b>S8661</b>	FT24HL/835/ENV	120	3500	82	12000	1800	12 11/16	Box	10	
			<b>S6761 ▲</b>	FT24DL/835	120	3500	82	12000	1800	12 7/8	Box	10	1
			<b>S8662</b>	FT24HL/841/ENV	120	4100	82	12000	1800	12 11/16	Box	10	
			<b>S6762 ▲</b>	FT24DL/841	120	4100	82	12000	1800	12 7/8	Box	10	1
<b>36</b>	T5	2G11	<b>S8663</b>	FT36HL/830/ENV	120	3000	82	12000	2800	16 ½	Box	10	
			<b>S6763 ▲</b>	FT36DL/830	120	3000	82	12000	2900	16 5/8	Box	10	1
			<b>S8664</b>	FT36HL/835/ENV	120	3500	82	12000	2800	16 ½	Box	10	
			<b>S6764 ▲</b>	FT36DL/835	120	3500	82	12000	2900	16 5/8	Box	10	1
			<b>S8665</b>	FT36HL/841/ENV	120	4100	82	12000	2800	16 ½	Box	10	
			<b>S6765 ▲</b>	FT36DL/841	120	4100	82	12000	2900	16 5/8	Box	10	1



Long Twin  
Tube 2G11

## Long Twin Tube 4-Pin for Electronic Ballasts (continued)

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	Pkg. Type	Carton	Notes
<b>40</b>	T5	2G11	<b>S8666</b>	FT40HL/830/RS/ENV	120	3000	82	20000	3500	22 ½	Box	10	
			<b>S6766 ▲</b>	FT40DL/830/RS	120	3000	82	20000	3150	22 ½	Box	10	
			<b>S8667</b>	FT40HL/835/RS/ENV	120	3500	82	20000	3500	22 ½	Box	10	
			<b>S6767 ▲</b>	FT40DL/835/RS	120	3500	82	20000	3150	22 ½	Box	10	
			<b>S8668</b>	FT40HL/841/RS/ENV	120	4100	82	20000	3500	22 ½	Box	10	
			<b>S6768 ▲</b>	FT40DL/841/RS	120	4100	82	20000	3150	22 ½	Box	10	
<b>50</b>	T5	2G11	<b>S2967 ▲</b>	PLL50W/30/RS	120	3000	82	14000	4300	22 ½	Box	25	
			<b>S2968 ▲</b>	PLL50W/35/RS	120	3500	82	14000	4300	22 ½	Box	25	
			<b>S2969 ▲</b>	PLL50W/41/RS	120	4100	82	14000	4300	22 ½	Box	25	
<b>55</b>	T5	2G11	<b>S8669</b>	FT55HL/830/ENV	120	3000	82	12000	4700	21 5/16	Box	10	
			<b>S6769 ▲</b>	FT55DL/830	120	3000	82	12000	4800	21 1/8	Box	10	
			<b>S8670</b>	FT55HL/835/ENV	120	3500	82	12000	4700	21 5/16	Box	10	
			<b>S6770 ▲</b>	FT55DL/835	120	3500	82	12000	4800	21 1/8	Box	10	
			<b>S8671</b>	FT55HL/841/ENV	120	4100	82	12000	4700	21 5/16	Box	10	
			<b>S6771 ▲</b>	FT55DL/841	120	4100	82	12000	4800	21 1/8	Box	10	



## Spiral 4-Pin for Electronic Ballasts

Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	Pkg. Type	Carton
<b>13</b>	T3	G24q-1	<b>S4438</b>	60W	PLS13/27K/SPIRAL	120	2700	82	10000	850	3 3/4	Box	24
<b>18</b>	T4	GX24q-2	<b>S4440</b>	75W	PLS18/27K/SPIRAL	120	2700	82	10000	1100	4 1/16	Box	24
<b>26</b>	T4	GX24q-3	<b>S4439</b>	100W	PLS26/27K/SPIRAL	120	2700	82	10000	1700	4 5/8	Box	24

### General CFL Notes

- = Product by a manufacturer other than Satco
- ▲ = Product by one of the Primary lamp manufacturers
- † = To be discontinued when inventory is depleted due to legislation requirements

### CFL Notes

- 1 These lamps may also be operated on rapid start circuits. On rapid start circuits the 24 watt lamp operates at 27 watts and the 36 watt lamp operates at 39 watts. Rated lamp life is unchanged.
- 2 This 4-pin CF lamp has an internal end-of-life mechanism (EOL) that shuts down the lamp preventing abnormal end-of-life failure modes. This lamp was designed for use with high frequency ballasts that do not have their own end-of-life (lamp) sensing circuits, but it is also compatible with high frequency ballasts that have their own end-of-life.

Rule of thumb for compact fluorescent lamps: divide wattage of incandescent lamp by 4 to determine approximate wattage of compact fluorescent lamp that will provide similar light output.

Caution: unless otherwise stated, self ballasted CF lamps cannot be used on dimming circuits, emergency exit fixtures or lights, electronic timers, photocells or lighted switches. In outdoor applications, use only in enclosed fixtures to avoid exposure to weather. Use only on 120V, 60 Hz circuits.

ENV and ECO fluorescent lamps are designed to pass the Federal Toxic Characteristic Leaching Procedure (TCLP) criteria for classification as non-hazardous waste in most states. TCLP test results are available upon request. Lamp disposal regulations may vary, check your local and state regulations. For more information, please visit [lamprecycle.org](http://lamprecycle.org).

Minimum starting temperature for 2-pin CF lamps: CF5: -22 degrees F; CF7: -4 degrees F; CF9: 14 degrees F; CF13DS: 14

degrees F; CF13DD: -4 degrees F; CF18DD: 5 degrees F; CF18DT: -4 degrees F; CF26: 14 degrees F.

There is a NEMA supported industry issue where T2, T4, and T5 fluorescent and compact fluorescent lamps operated on high frequency ballasts may experience an abnormal end-of-life phenomenon. This end-of-life phenomenon can result in one or both of the following: 1. Bulb wall cracking near the lamp base. 2. The lamp can overheat in the base area and possibly melt the base and socket. NEMA recommends that high frequency compact fluorescent ballasts have an end-of-life shutdown circuit which will safely and reliably shut down the system in the rare event of an abnormal end-of-life failure mode described above. The final requirements of this system are yet to be defined by ANSI. For additional information refer to NEMA papers on their website at [NEMA.org](http://NEMA.org).





## Popular for good reason.

Halogen lamps come in more sizes, shapes, and base variations than most other technologies, and with good reason – brilliant white light, great color temperature, and color rendering properties, long life, and superior lumen maintenance combine to make them very popular. Satco stocks virtually every variation there is. Our wide inventory allows you to get the types you need, whether a specialty size or an incandescent A19 replacement, that meets government regulations. When it comes to Halogen lamps, we can confidently say “Yes, we have that.”

### Halogen lamp features:

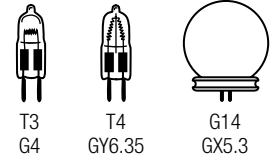
- Available from 5 to 1500 Watts
- From 6 to 240 Volt variations
- All industry standard sizes and bases
- Fully dimmable
- Environmentally friendly – Mercury free
- Energy efficient
- Our Halogen Excel line saves up to 30% in energy costs over traditional incandescent lamps
- Halogen/Xenon technology for enhanced performance in our Halogen Excel™ line
- Excellent color rendering
- High lumen output



Nuvo Lighting's Lynne five light vanity in Polished Nickel with Frosted Glass. Nuvo item number 60-5178. See the [www.nuvolighting.com](http://www.nuvolighting.com) website.



HALOGEN



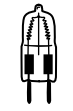
## Bi Pin Lamps

### Bi Pin Lamps 12 and 24 Volt

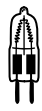
Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Carton	Notes
<b>5</b>	T3	G4	<b>S3179</b>	5T3/CL	12	Clear	1 ¼	C-6	50	2000	Box	48	
<b>10</b>	T3	G4	<b>S3171</b>	10T3/CL	12	Clear	1 ¼	C-6	120	2000	Box	48	
			<b>S3459</b>	10T3/CL	12	Clear	1 ¼	C-6	120	2000	CD/1	12	
			<b>S1908</b>	10T3/F	12	Frost	1 ¼	C-6	108	2000	Box	48	
<b>20</b>	T3	G4	<b>S3120</b>	20T3/CL	12	Clear	1 ¼	C-6	300	2000	Box	48	
			<b>S3468</b>	20T3/CL	12	Clear	1 ¼	C-6	300	2000	CD/1	12	
			<b>S3420</b>	20T3/CL/2PK	12	Clear	1 ¼	C-6	300	2000	CD/2	12	
			<b>S1909</b>	20T3/F	12	Frost	1 ¼	C-6	270	2000	Box	48	
			<b>S1986</b>	20T3/CL/24V	24	Clear	1 ¼	CC-6	260	2000	Box	48	
		GY6.35	<b>S4197</b>	20T3/CL	12	Clear	1 ¼	C-6	300	2000	Box	48	
<b>35</b>	T4	GY6.35	<b>S3160</b>	35T4/CL	12	Clear	1 9/16	C-6	595	2000	Box	48	
			<b>S3469</b>	35T4/CL	12	Clear	1 9/16	C-6	595	2000	CD/1	12	
			<b>S1910</b>	35T4/F	12	Frost	1 9/16	C-6	536	2000	Box	48	
<b>50</b>	T4	GY6.35	<b>S3121</b>	50T4/CL	12	Clear	1 9/16	C-6	900	2000	Box	48	
			<b>S3470</b>	50T4/CL	12	Clear	1 9/16	C-6	900	2000	CD/1	12	
			<b>S3421</b>	50T4/CL/2PK	12	Clear	1 9/16	C-6	900	2000	CD/2	12	
			<b>S1911</b>	50T4/F	12	Frost	1 9/16	C-6	810	2000	Box	48	
			<b>S1987</b>	50T4/CL/24V	24	Clear	1 9/16	CC-6	900	2000	Box	48	
<b>75</b>	T4	GY6.35	<b>S3156</b>	75T4/CL	12	Clear	1 9/16	C-6	1350	2000	Box	48	
			<b>S3471</b>	75T4/CL	12	Clear	1 9/16	C-6	1350	2000	CD/1	12	
			<b>S1912</b>	75T4/F	12	Frost	1 9/16	C-6	1290	2000	Box	48	

### Enclosed Bi Pin Lamps 12 Volt

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Carton	Notes
<b>20</b>	G14	GU5.3/GX5.3	<b>S3187</b>	20JCGV-G14/BALL	12	White	2 3/16	C-6	240	2000	Box	250/25	
<b>35</b>	G14	GU5.3/GX5.3	<b>S3188</b>	35JCGV-G14/BALL	12	White	2 3/16	C-6	450	2000	Box	250/25	
<b>50</b>	G14	GU5.3/GX5.3	<b>S3189</b>	50JCGV-G14/BALL	12	White	2 3/16	C-6	720	2000	Box	200/25	



T4 G8  
Wide Pin



T4  
GY6.35



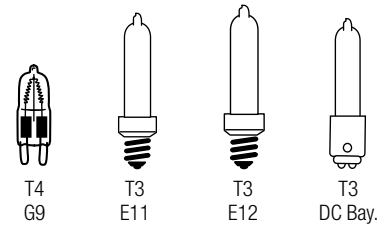
T3.5  
G6.35c

## Bi Pin Lamps 120 Volt

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Master/ Inner Carton	Notes
<b>20</b>	T4	G8	<b>S4610</b>	20T4/CL/G8	120	Clear	1 13/16	CC-2V	180	2000	Box	48	
			<b>S3539</b>	20T4/CL/G8	120	Clear	1 13/16	CC-2V	180	2000	CD/1	240/12	
<b>25</b>	T4	GY6.35	<b>S3197</b>	25T4/CL	120	Clear	1 15/16	CC-2V	210	2000	Box	48	
		G8	<b>S4611</b>	25T4/CL/G8	120	Clear	1 13/16	CC-2V	210	2000	Box	48	
<b>35</b>	T4	GY6.35	<b>S3164</b>	35T4/CL	120	Clear	1 15/16	CC-2V	380	2000	Box	48	
			<b>S3418</b>	35T4/CL	120	Clear	1 15/16	CC-2V	380	2000	CD/1	12	
		G8	<b>S4620</b>	35T4/CL/G8	120	Clear	1 13/16	CC-2V	380	2000	Box	48	
<b>50</b>	T4	GY6.35	<b>S3167</b>	50T4/CL	120	Clear	1 15/16	CC-2V	750	2000	Box	48	
			<b>S3427</b>	50T4/CL	120	Clear	1 15/16	CC-2V	750	2000	CD/1	12	
		G8	<b>S4612</b>	50T4/CL/G8	120	Clear	1 13/16	CC-2V	750	2000	Box	48	
<b>75</b>	T4	GY6.35	<b>S3168</b>	75T4/CL	120	Clear	2 3/8	CC-2V	750	2000	Box	48	
			<b>S3428</b>	75T4/CL	120	Clear	2 3/8	CC-2V	1250	2000	CD/1	12	
		G8	<b>S4613</b>	75T4/CL/G8	120	Clear	2 1/4	CC-8	1250	2000	Box	48	
<b>100</b>	T4	GY6.35	<b>S1924</b>	100T4/CL	120	Clear	2 3/8	CC-2V	1700	2000	Box	48	
			<b>S3419</b>	100T4/CL	120	Clear	2 3/8	CC-2V	1700	2000	CD/1	12	
		G8	<b>S4622</b>	100T4/CL/G8	120	Clear	2 1/4	CC-8	1700	2000	Box	48	
			<b>S3543</b>	100T4/CL/G8	120	Clear	2 1/4	CC-8	1700	2000	CD/1	12	

## Bi Pin Marine Lamps 12 and 24 Volt

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Avg. Rated Hours	Pkg. Type	Master/ Inner Carton	Notes
<b>55</b>	T3.5	GY6.35	<b>S7183</b>	JCD/12V/55W/DX	12	Clear	1 3/4	C-6	100	Box	500/10	ACR6001
			<b>S7184</b>	JCD/24V/55W/DX	24	Clear	1 11/16	C-6	100	Box	500/10	ACR6003



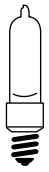
## Double Loop G9 120 Volt

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Carton	Notes
<b>20</b>	T4	G9	<b>S4614</b>	20T4/G9/CL	120	Clear	1 9/16	CC-2V	200	2000	Box	48	
			<b>S4639</b>	20T4/G9/FR	120	Frost	1 9/16	CC-2V	200	2000	Box	48	
<b>25</b>	T4	G9	<b>S4615</b>	25T4/G9/CL	120	Clear	1 9/16	CC-2V	260	2000	Box	48	
<b>35</b>	T4	G9	<b>S4621</b>	35T4/G9/CL	120	Clear	1 9/16	CC-2V	400	2000	Box	48	
			<b>S3544</b>	35T4/G9/CL	120	Clear	1 9/16	CC-2V	400	2000	CD/1	12	
<b>40</b>	T4	G9	<b>S4641</b>	40T4/G9/CL	120	Clear	1 9/16	CC-2V	500	2000	Box	48	
			<b>S4647</b>	40T4/G9/FR	120	Frost	1 9/16	CC-2V	450	2000	Box	48	
<b>50</b>	T4	G9	<b>S4616</b>	50T4/G9/CL	120	Clear	1 9/16	CC-2V	750	2000	Box	48	
			<b>S3545</b>	50T4/G9/CL	120	Clear	1 9/16	CC-2V	750	2000	CD/1	12	
<b>60</b>	T4	G9	<b>S4648</b>	60T4/G9/CL	120	Clear	1 5/8	CC-2V	820	2000	Box	48	
			<b>S4649</b>	60T4/G9/FR	120	Frost	1 5/8	CC-2V	738	2000	Box	48	
<b>75</b>	T4	G9	<b>S4647</b>	75T4/G9/CL	120	Clear	1 5/8	CC-8	1250	2000	Box	48	
			<b>S3546</b>	75T4/G9/CL	120	Clear	1 5/8	CC-8	1250	2000	CD/1	12	
<b>100</b>	T4	G9	<b>S4642</b>	100T4/G9/CL	120	Clear	1 11/16	CC-8	1700	2000	Box	48	
			<b>S3547</b>	100T4/G9/CL	120	Clear	1 11/16	CC-8	1700	2000	CD/1	12	

## E11 – DC Bay.

Single Ended - E11 MiniCan - E12 Cand - E14 Euro - BA15d DC Bay.

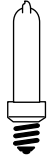
Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Carton	Notes
<b>20</b>	T3	E11	<b>S4486</b>	KX20CL/3M/MC	120	Clear	2 5/16	CC-8	200	3000	Box	10	1
			<b>S4489</b>	KX20FR/3M/MC	120	Frost	2 5/16	CC-8	200	3000	Box	10	1
	E12	<b>S4480</b>	KX20CL/3M/E12	120	Clear	2 7/16	CC-8	200	3000	Box	10	1	
		<b>S4483</b>	KX20FR/3M/E12	120	Frost	2 7/16	CC-8	200	3000	Box	10	1	
	DC Bay.	<b>S4492</b>	KX20CL/3M/DC	120	Clear	2 ¼	CC-8	200	3000	Box	10	1	
		<b>S4495</b>	KX20FR/3M/DC	120	Clear	2 ¼	CC-8	200	3000	Box	10	1	



T4  
E11



T4  
DC Bay.



T3  
E11



T3  
E12



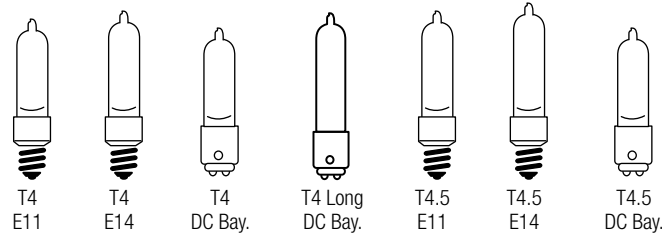
T3  
DC Bay.



T4 Long  
DC Bay.

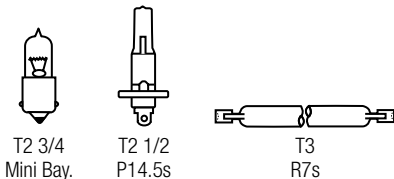
### Single Ended - E11 MiniCan - E12 Cand - E14 Euro - BA15d DC Bay. (continued)

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Carton	Notes
<b>35</b>	T4	E11	<b>S3165</b>	35Q/CL/MC	120	Clear	2 1/16	CC-2V	380	2000	Box	12	
			<b>S1913</b>	35Q/FR/MC	120	Frost	2 1/16	CC-2V	342	2000	Box	12	
	DC Bay.	<b>S1979</b>	35Q/CL/DC	120	Clear	2 1/16	CC-2V	380	2000	Box	12		
		<b>S1980</b>	35Q/FR/DC	120	Frost	2 1/16	CC-2V	342	2000	Box	12		
<b>40</b>	T3	E11	<b>S4487</b>	KX40CL/3M/MC	120	Clear	2 5/16	CC-8	560	3000	Box	10	1
			<b>S4490</b>	KX40FR/3M/MC	120	Frost	2 5/16	CC-8	560	3000	Box	10	1
	E12	<b>S4481</b>	KX40CL/3M/E12	120	Clear	2 7/16	CC-8	560	3000	Box	10	1	
		<b>S4484</b>	KX40FR/3M/E12	120	Frost	2 7/16	CC-8	560	3000	Box	10	1	
	DC Bay.	<b>S4493</b>	KX40CL/3M/DC	120	Clear	2 ¼	CC-8	560	3000	Box	10	1	
		<b>S4496</b>	KX40FR/3M/DC	120	Frost	2 ¼	CC-8	560	3000	Box	10	1	
<b>50</b>	T4	E11	<b>S3162</b>	50Q/CL/MC	120	Clear	2 1/16	CC-2V	750	2000	Box	12	
			<b>S3198</b>	50Q/CL/MC	130	Clear	2 1/16	CC-2V	750	2000	Box	12	
	DC Bay.	<b>S1914</b>	50Q/F/MC	120	Frost	2 1/16	CC-2V	675	2000	Box	12		
		<b>S1981</b>	50Q/CL/DC	120	Clear	2 1/16	CC-2V	750	2000	Box	12		
	E12	<b>S1982</b>	50Q/F/DC	120	Frost	2 1/16	CC-2V	675	2000	Box	12		
		<b>S4488</b>	KX60CL/3M/MC	120	Clear	2 5/16	CC-8	960	3000	Box	10	1	
<b>60</b>	T3	E11	<b>S4491</b>	KX60FR/3M/MC	120	Frost	2 5/16	CC-8	950	3000	Box	10	1
			<b>S4482</b>	KX60CL/3M/E12	120	Clear	2 7/16	CC-8	960	3000	Box	10	1
	E12	<b>S4485</b>	KX60FR/3M/E12	120	Frost	2 7/16	CC-8	950	3000	Box	10	1	
		<b>S4494</b>	KX60CL/3M/DC	120	Clear	2 ¼	CC-8	960	3000	Box	10	1	
	DC Bay.	<b>S4497</b>	KX60FR/3M/DC	120	Frost	2 ¼	CC-8	950	3000	Box	10	1	
		<b>S3157</b>	75Q/CL/MC	120	Clear	2 11/16	CC-8	1250	2000	Box	12		
<b>75</b>	T4	E11	<b>S3484</b>	75Q/CL/MC	120	Clear	2 11/16	CC-8	1250	2000	CD/1	12	
			<b>S1915</b>	75Q/F/MC	120	Frost	2 11/16	CC-8	1125	2000	Box	12	
	DC Bay.	<b>S3159</b>	75Q/CL/DC	120	Clear	2 3/8	CC-8	1250	2000	Box	12		
		<b>S3432</b>	75Q/CL/DC	120	Clear	2 3/8	CC-8	1250	2000	CD/1	12		
	E12	<b>S1919</b>	75Q/F/DC	120	Frost	2 3/8	CC-8	1125	2000	Box	12		



### Single Ended - E11 MiniCan - E12 Cand - E14 Euro - BA15d DC Bay. (continued)

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Carton	Notes
<b>100</b>	T4	E11	<b>S3107</b>	100Q/CL/MC	120	Clear	2 11/16	CC-8	1700	2000	Box	12	
			<b>S3485</b>	100Q/CL/MC	120	Clear	2 11/16	CC-8	1700	2000	CD/1	12	
			<b>S1916</b>	100Q/FR/MC	120	Frost	2 11/16	CC-8	1530	2000	Box	12	
	E14	<b>S3132</b>	100Q/CL/E14	120	Clear	2 15/16	CC-8	1700	2000	Box	12		
		<b>S3491</b>	100Q/CL/E14	120	Clear	2 15/16	CC-8	1700	2000	CD/1	12		
		<b>S3147</b>	100Q/CL/DC	120	Clear	2 3/8	CC-8	1700	2000	Box	12		
	DC Bay.	<b>S3488</b>	100Q/CL/DC	120	Clear	2 3/8	CC-8	1700	2000	CD/1	12		
		<b>S1920</b>	100Q/F/DC	120	Frost	2 3/8	CC-8	1530	2000	Box	12		
		<b>S4361</b>	100Q/CL/DC	120	Clear	2 3/8	CC-2V	1600	2000	Box	10	2	
<b>150</b>	T4.5	E11	<b>S3108</b>	150Q/CL/MC	120	Clear	2 11/16	CC-8	2700	2000	Box	12	
			<b>S3486</b>	150Q/CL/MC	120	Clear	2 11/16	CC-8	2700	2000	CD/1	12	
			<b>S1917</b>	150Q/F/MC	120	Frost	2 11/16	CC-8	2430	2000	Box	12	
	E14	<b>S3133</b>	150Q/CL/E14	120	Clear	3	CC-8	2700	2000	Box	12		
		<b>S3492</b>	150Q/CL/E14	120	Clear	3	CC-8	2700	2000	CD/1	12		
		<b>S3122</b>	150Q/CL/DC	120	Clear	2 11/16	CC-8	2700	2000	Box	12		
	DC Bay.	<b>S3489</b>	150Q/CL/DC	120	Clear	2 11/16	CC-8	2700	2000	CD/1	12		
		<b>S1921</b>	150Q/F/DC	120	Frost	2 11/16	CC-8	2430	2000	Box	12		
		<b>250</b>	T4.5	E11	<b>S3109</b>	250Q/CL/MC	120	Clear	3 1/8	CC-8	4200	2000	Box
<b>S3487</b>	250Q/CL/MC				120	Clear	3 1/8	CC-8	4200	2000	CD/1	12	
<b>S1918</b>	250Q/F/MC				120	Frost	3 1/8	CC-8	3780	2000	Box	12	
E14	<b>S3134</b>		250Q/CL/E14	120	Clear	3 5/16	CC-8	4200	2000	Box	12		
	<b>S3493</b>		250Q/CL/E14	120	Clear	3 5/16	CC-8	4350	2000	CD/1	12		
	<b>S3123</b>		250Q/CL/DC	120	Clear	2 13/16	CC-8	4200	2000	Box	12		
DC Bay.	<b>S3490</b>		250Q/CL/DC	120	Clear	2 13/16	CC-8	4200	2000	CD/1	12		
	<b>S1922</b>		250Q/F/DC	120	Frost	2 13/16	CC-8	3780	2000	Box	12		
	<b>500</b>		T4	E11	<b>S3181</b>	500Q/CL	120	Clear	3 7/16	CC-8	8500	2000	Box
<b>S3182</b>		500Q/F			120	Frost	3 7/16	CC-8	7650	2000	Box	12	
<b>S4363 ▲</b>		500Q/MC/EYX			120	Frost	3 3/4	CC-8	10100	2000	Box	12	3
DC Bay.		<b>S1983</b>	500Q/CL	120	Clear	3 3/4	CC-8	8500	2000	Box	12		
		<b>S1984</b>	500Q/F	120	Frost	3 3/4	CC-8	7650	2000	Box	12		



## Specialty Single Ended Lamps

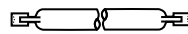
Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Carton	Notes
<b>5</b>	T2 3/4	BA9s	<b>VJ020 ▲</b>	64111	12	Clear	1 ¼	C-6	50	240	Sleeve	10	10
<b>55</b>	T2 1/2	P14.5s	<b>S7968</b>	55W/12V H1	120	Clear	2 7/16	C-8	1000	350	Sleeve	10	11

## Linear Double Ended Lamps

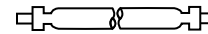
### Double Ended J-Style

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Master/ Inner Carton	Notes
<b>75</b>	T3	R7s	<b>S3199</b>	75T3Q/CL/78MM	120	Clear	3 1/8	C-8	1050	1500	Box	12	
			<b>S3183</b>	75T3Q/CL/78MM	130	Clear	3 1/8	C-8	1050	1500	Box	12	
<b>100</b>	T3	R7s	<b>S3146</b>	100T3Q/CL/78MM	120	Clear	3 1/8	C-8	1650	1500	Box	12	
			<b>S3480</b>	100T3Q/CL/78MM	120	Clear	3 1/8	C-8	1650	1500	CD/1	12	
			<b>S3422</b>	100T3Q/CL/78MM/2PK	120	Clear	3 1/8	C-8	1650	1500	CD/2	12	
			<b>S3166</b>	100T3Q/CL/118MM	120	Clear	4 11/16	C-8	1650	1500	Box	12	
			<b>S3431</b>	100T3Q/CL/118MM	120	Clear	4 11/16	C-8	1650	1500	CD/1	12	
<b>150</b>	T3	R7s	<b>S3135</b>	150T3Q/CL/S/78MM	120	Clear	3 1/8	C-8	2400	1500	Box	12	
			<b>S3481</b>	150T3Q/CL/S/78MM	120	Clear	3 1/8	C-8	2400	1500	CD/1	12	2
			<b>S3423</b>	150T3Q/CL/S/78MM/2PK	120	Clear	3 1/8	C-8	2400	1500	CD/2	12	
			<b>S3142</b>	150T3Q/CL/L/118MM	120	Clear	4 11/16	C-8	2400	1500	Box	12	
			<b>S3494</b>	150T3Q/CL/L/118MM	120	Clear	4 11/16	C-8	2400	1500	CD/1	12	
<b>200</b>	T3	R7s	<b>S3145</b>	200T3Q/CL/78MM	120	Clear	3 1/8	C-8	3400	1500	Box	12	
			<b>S3482</b>	200T3Q/CL/78MM	120	Clear	3 1/8	C-8	3400	1500	CD/1	12	
			<b>S3136</b>	200T3Q/CL/78MM	120	Clear	4 11/16	C-8	3400	1500	Box	12	
			<b>S3495</b>	200T3Q/CL/78MM	120	Clear	4 11/16	C-8	3400	1500	CD/1	12	
<b>250</b>	T3	R7s	<b>S3184</b>	250T3Q/CL/78MM	120	Clear	3 1/8	C-8	4500	1500	Box	12	
			<b>S3426</b>	250T3Q/CL/78MM	120	Clear	3 1/8	C-8	4500	1500	CD/1	12	

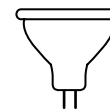
HALOGEN



T3  
R7s



T3  
Flat Blade/  
Pin Blade



MR8  
GZ4

## Double Ended J-Style (continued)

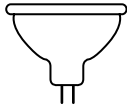
Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Master/ Inner Carton	Notes
<b>300</b>	T3	R7s	<b>S3104</b>	300T3Q/CL	120	Clear	4 11/16	C-8	5300	1500	Box	12	
			<b>S3496</b>	300T3Q/CL	120	Clear	4 11/16	C-8	5300	1500	CD/1	12	
			<b>S3430</b>	300T3Q/CL/2PK	120	Clear	4 11/16	C-8	5300	1500	CD/2	12	
			<b>S3410</b>	300T3Q/CL/3PK	120	Clear	4 11/16	C-8	5300	1500	CD/3	12	
			<b>S1925</b>	300T3Q/CL	130	Clear	4 11/16	C-8	5300	1500	Box	12	
			Flat Blade	<b>S3180</b>	300T3Q/CL	120	Clear	5 13/16	C-8	5300	1500	Box	12
			<b>S3429</b>	300T3Q/CL	120	Clear	5 13/16	C-8	5300	1500	CD/1	12	
<b>500</b>	T3	R7s	<b>S3105</b>	500T3Q/CL	120	Clear	4 11/16	C-8	9500	1500	Box	12	
			<b>S3497</b>	500T3Q/CL	120	Clear	4 11/16	C-8	9500	1500	CD/1	12	2
			<b>S3433</b>	500T3Q/CL/2PK	120	Clear	4 11/16	C-8	9500	1500	CD/2	12	
			<b>S3411</b>	500T3Q/CL/3PK	120	Clear	4 11/16	C-8	9500	1500	CD/3	12	
			<b>S1926</b>	500T3Q/CL/130V	130	Clear	4 11/16	C-8	9500	1500	Box	12	
			<b>S2228</b>	500T3Q/CL/RS/130V	130	Clear	4 11/16	C-8	9500	1500	Box	12	
			<b>S3185</b>	500T3Q/CL/240V	240	Clear	4 11/16	C-8	9000	1500	Box	12	
	Flat Blade		<b>S1923</b>	500T3Q/CL	120	Clear	5 13/16	C-8	9500	1500	Box	12	
<b>900</b>	T2.5	R7s	<b>S2456</b>	Q900T3/CL/HIR/277V	277	Clear	10 1/16	C-8	31000	2000	Box	6	
<b>1000</b>	T3	R7s	<b>S4198</b>	1000T3Q/CL	120	Clear	10 1/16	C-8	18000	1500	Box	480/12	
			<b>S4199</b>	1000T3Q/CL/240V	240	Clear	10 1/16	C-8	18000	1500	Box	480/12	
<b>1500</b>	T3	R7s	<b>S3106</b>	1500T3Q/CL/240V	240	Clear	10 1/16	C-8	30000	1500	Box	480/12	
			<b>S4169</b>	1500T3Q/CL	120	Clear	10 1/16	C-8	32000	1500	Box	480/12	

## MR8, MR11, MR16 Lamps

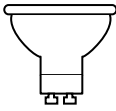
### MR8 Bi Pin Base 12 Volt

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Beam Pattern	ANSI	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Carton
<b>10</b>	MR8	GU4	<b>S4646</b>	10MR8/NSP	NSP 9	-	12	Y	N	-	2000	C-6	1 ¼	Box	12
			<b>S4645</b>	10MR8/NFL	NFL 23	-	12	Y	N	-	2000	C-6	1 ¼	Box	12





MR11  
GZ4



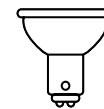
MR11  
GU10

## MR11 Bi Pin Base 6, 12 & 24 Volt

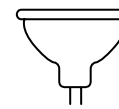
Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Beam Pattern	ANSI	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Carton
<b>5</b>	MR11	GZ4	<b>S4628</b>	5MR11/NFL/6V	NFL 30	–	6	Y	N	1000	2000	C-6	1 ¼	Box	12
			<b>S3194</b>	5MR11/NSP	NSP 9	–	12	N	N	130	2000	C-6	1 ¼	Box	12
<b>10</b>	MR11	GZ4	<b>S4629</b>	10MR11/NFL/6V	NFL 30	–	6	Y	N	150	2000	C-6	1 ¼	Box	12
			<b>S3195</b>	10MR11/SP	SP 12	–	12	N	N	380	2000	C-6	1 ¼	Box	12
			<b>S3444</b>	10MR11/FL/30/12V	FL30	–	12	N	N	150	2000	C-6	1 ¼	CD/1	12
<b>20</b>	MR11	GZ4	<b>S3150</b>	20MR11/NSP	NSP 9	FTB	12	N	N	1500	2000	C-6	1 ¼	Box	12
			<b>S3152</b>	20MR11/SP	SP 12	FTC	12	N	N	1000	2000	C-6	1 ¼	Box	12
			<b>S3464</b>	20MR11/SP	SP 12	FTC	12	N	Y	1000	2000	C-6	1 ¼	CD/1	12
			<b>S1990</b>	20MR11/SP/C/24V	SP 12	FTC/C/24	24	Y	Y	1750	2000	C-6	1 ¼	Box	12
			<b>S3154</b>	20MR11/NFL	NFL 24	FTD	12	N	N	500	2000	C-6	1 ¼	Box	12
			<b>S3465</b>	20MR11/NFL	NFL 24	FTD	12	N	Y	500	2000	C-6	1 ¼	CD/1	12
			<b>S3424</b>	20MR11/NFL/2PK	NFL 24	FTD	12	N	Y	700	2000	C-6	1 ¼	CD/2	12
			<b>S1950</b>	20MR11/NFL/C	NFL 24	FTD/C	12	Y	N	450	2000	C-6	1 ¼	Box	12
			<i>SOFT RAY</i> <b>S4124</b>	20MR11/FL/FR/C	FL 36	–	12	Y	Y	450	2000	C-6	1 ¼	Box	12
<b>35</b>	MR11	GZ4	<b>S3151</b>	35MR11/NSP	NSP 9	FTE	12	N	N	2500	2000	C-6	1 ¼	Box	12
			<b>S1991</b>	35MR11/NSP/C/24V	NSP 9	FTE/C/24	24	Y	Y	4500	2000	C-6	1 ¼	Box	12
			<b>S3153</b>	35MR11/SP	SP 12	FTF	12	N	N	2500	2000	C-6	1 ¼	Box	12
			<b>S3466</b>	35MR11/SP	SP 12	FTF	12	N	Y	2500	2000	C-6	1 ¼	CD/1	12
			<b>S3155</b>	35MR11/NFL	NFL 24	FTH	12	N	N	800	2000	C-6	1 ¼	Box	12
			<b>S3467</b>	35MR11/NFL	NFL 24	FTH	12	N	Y	800	2000	C-6	1 ¼	CD/1	12
			<b>S3425</b>	35MR11/NFL/2PK	NFL 24	FTH	12	N	Y	1550	2000	C-6	1 ¼	CD/2	12
			<b>S1951</b>	35MR11/NFL/C	NFL 24	FTH/C	12	Y	N	720	2000	C-6	1 ¼	Box	12
			<i>SOFT RAY</i> <b>S1989</b>	35MR11/NFL/C/24V	NFL 24	FTH/C/24	24	Y	Y	1250	2000	C-6	1 ¼	Box	12
			<i>SOFT RAY</i> <b>S4125</b>	35MR11/FL/FR/C	FL 36	–	12	Y	Y	720	2000	C-6	1 ¼	Box	12

## MR11 GU10 Base Frosted Back with Lens 120 Volt

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Beam Pattern	ANSI	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Carton
<b>20</b>	MR11	GU10	<b>S4195</b>	20MR11/FL	FL 30	FTD	120	N	N	110	1000	C-6	1 ¼	Box	12
<b>35</b>	MR11	GU10	<b>S4196</b>	35MR11/FL	FL 24	FTH	120	N	N	300	1000	C-6	1 ¼	Box	12



MR11  
DC Bay.



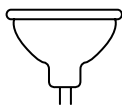
MR16  
GU5.3/  
GX5.3

## MR11 DC Bay. Base 12 Volt

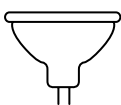
Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Beam Pattern	ANSI	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Carton
<b>20</b>	MR11	DC Bay.	<b>S1954</b>	20MR11/SP/DC	SP 12	FST/C	12	Y	Y	1750	2000	C-6	1 5/8	Box	12
			<b>S1952</b>	20MR11/NFL/DC	NFL 24	FSV/C	12	Y	Y	450	2000	C-6	1 5/8	Box	12
<b>35</b>	MR11	DC Bay.	<b>S1955</b>	35MR11/SP/DC	SP 12	GDY/C	12	Y	Y	2550	2000	C-6	1 5/8	Box	12
			<b>S1953</b>	35MR11/NFL/DC	NFL 24	GDZ/C	12	Y	Y	720	2000	C-6	1 5/8	Box	12

## MR16 Bi Pin 12 & 24 Volt

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Beam Pattern	ANSI	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Carton	Notes
<b>10</b>	MR16	GU5.3/GX5.3	<b>S4185</b>	10MR16/NFL	NFL 38	–	12	N	Y	300	2000	C-8	1 7/8	CD/1	12	
<b>20</b>	MR16	GU5.3/GX5.3	<b>S1957</b>	20MR16/NSP	NSP 9	ESX	12	N	Y	2200	2000	C-8	1 7/8	Box	12	
			<b>S3460</b>	20MR16/NSP	NSP 9	ESX	12	N	Y	2200	2000	C-8	1 7/8	CD/1	12	
			<b>S1967</b>	20MR16/NSP/C	NSP 9	ESX/C	12	Y	Y	2000	2000	C-8	1 7/8	Box	12	
			<b>S1995</b>	20MR16/NSP/C/24V	NSP 9	ESX/C	24	Y	Y	2000	2000	C-8	1 7/8	Box	12	
			<b>S1956</b>	20MR16/FL	FL 36	BAB	12	N	Y	500	2000	C-6	1 7/8	Box	12	
			<b>S3461</b>	20MR16/FL	FL 36	BAB	12	N	Y	500	2000	C-6	1 7/8	CD/1		
			<b>S1966</b>	20MR16/FL/C	FL 36	BAB/C	12	Y	Y	450	2000	C-6	1 7/8	Box	12	
<b>35</b>	MR16	GU5.3/GX5.3	<b>S1992</b>	20MR16/FL/C/24V	FL 36	BAB/C	24	Y	Y	405	2000	C-8	1 7/8	Box	12	
			<i>SOFT RAY</i> <b>S4120</b>	20MR16/FL/FR/C	FL 36	–	12	Y	Y	450	2000	C-6	1 7/8	Box	12	5
			<b>S4354</b>	20MR16/Frost TFR	–	–	12	N	Y	500	2000	C-6	1 7/8	Box	12	
			<b>S1958</b>	35MR16/NSP	NSP 9	FRB	12	N	Y	4000	2000	C-6	1 7/8	Box	12	
			<b>S4364</b>	35MR16/NSP/C	NSP 9	FRB/C	12	Y	Y	4000	2000	C-6	1 7/8	Box	12	
<b>35</b>	MR16	GU5.3/GX5.3	<b>S1996</b>	35MR16/NSP/C/24V	NSP 9	FRB/C	24	Y	Y	3600	2000	C-6	1 7/8	Box	12	
			<b>S1959</b>	35MR16/FL	FL 36	FMW	12	N	Y	925	2000	C-6	1 7/8	Box	12	
			<b>S3451</b>	35MR16/FL	FL 36	FMW	12	N	Y	925	2000	C-6	1 7/8	CD/1	–	
			<b>S4365</b>	35MR16/FL/C	FL 36	FMW/C	12	Y	Y	810	2000	C-6	1 7/8	Box	12	
			<b>S1993</b>	35MR16/FL/C/24V	FL 36	FMW/C	24	Y	Y	1000	2000	C-6	1 7/8	Box	12	
			<i>SOFT RAY</i> <b>S4121</b>	35MR16/FL/FR/C	FL 36	–	12	Y	Y	810	2000	C-6	1 7/8	Box	12	5
			<b>S4355</b>	35MR16/Frost TFR	–	–	12	N	Y	925	2000	C-6	1 7/8	Box	12	



MR16  
GU5.3/  
GX5.3



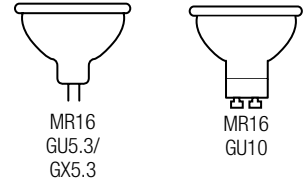
MR11  
GZ4

## MR16 Bi Pin 12 & 24 Volt (continued)

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Beam Pattern	ANSI	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Carton Notes	
<b>50</b>	MR16	GU5.3/GX5.3	<b>S1961</b>	50MR16/NSP	NSP 9	EXT	12	N	Y	7000	2000	C-6	1 7/8	Box	12	
			<b>S3462</b>	50MR16/NSP	NSP 9	EXT	12	N	Y	7000	2000	C-6	1 7/8	CD/1	12	
			<b>S3170</b>	50MR16/NSP/C	NSP 9	EXT/C	12	Y	Y	6500	2000	C-8	1 7/8	Box	12	
			<b>S1962</b>	50MR16/NFL	NFL 18	EXZ	12	N	Y	4400	2000	C-6	1 7/8	Box	12	
			<b>S3143</b>	50MR16/NFL25/C	NFL 25	EXZ	12	Y	Y	2800	2000	AX	1 7/8	Box	20	
			<b>S1960</b>	50MR16/FL	FL 36	EXN	12	N	Y	1600	2000	C-8	1 7/8	Box	12	
			<b>S3463</b>	50MR16/FL	FL 36	EXN	12	N	Y	1600	2000	C-8	1 7/8	CD/1	12	
			<b>S3169</b>	50MR16/FL/C	FL 36	EXN/C	12	Y	Y	1500	2000	C-8	1 7/8	Box	12	
			<b>S1994</b>	50MR16/FL/C/24V	FL 36	EXN/C	24	Y	Y	1845	2000	C-8	1 7/8	Box	12	
			<i>SOFTRAY</i>	<b>S4122</b>	50MR16/FL/FR/C	FL 36	-	12	Y	Y	1500	2000	C-6	1 7/8	Box	12
	<b>S1963</b>	50MR16/WFL	WFL 60	FNV	12	N	Y	600	2000	C-6	1 7/8	Box	12			
	<b>S4356</b>	50MR16/Frost TFR	-	-	12	Y	Y	765	2000	C-6	1 7/8	Box	12 5			
<b>65</b>	MR16	GU5.3/GX5.3	<b>S1965</b>	65MR16/NSP	NSP 9	FPA	12	N	Y	7100	2000	C-6	1 7/8	Box	12	
			<b>S1969</b>	65MR16/NSP/C	NSP 9	FPA	12	Y	Y	9500	2000	C-8	1 7/8	Box	12	
			<b>S1964</b>	65MR16/FL	FL 36	FPB	12	N	Y	2000	2000	C-6	1 7/8	Box	12	
			<b>S1968</b>	65MR16/FL/C	FL 36	FPB	12	Y	Y	1800	2000	C-6	1 7/8	Box	12	
			<i>SOFTRAY</i>	<b>S4123</b>	65MR16/FL/FR/C	FL 36	-	12	Y	Y	880	2000	C-6	1 7/8	Box	12
			<b>75</b>	MR16	GU5.3/GX5.3	<b>S4187</b>	75MR16/FL/C	FL 38	EYC	12	Y	Y	1650	2000	C-6	1 7/8
<b>S4188</b>	75MR16/SP/C	SP 9	EYF			12	Y	Y	8700	2000	C-6	1 7/8	Box	12		

## MR11 Bi Pin Coated Lensed Reflector 12 Volt (Black or Silver)

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Beam Pattern	ANSI	Volts	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Carton
<b>20</b>	MR11	GZ4	<b>S4170</b>	20MR11/FTD/S/C	NFL 30	FTD	12	Y	700	3000	AX	1 ¼	Box	12
			<b>S4173</b>	20MR11/FTD/B/C	NFL 30	FTD	12	Y	700	3000	AX	1 ¼	Box	12
<b>35</b>	MR11	GZ4	<b>S4172</b>	35MR11/FTH/S/C	NFL 30	FTH	12	Y	1250	3000	AX	1 ¼	Box	12
			<b>S4174</b>	35MR11/FTH/B/C	NFL 30	FTH	12	Y	1250	3000	AX	1 ¼	Box	12



## MR16 Bi Pin Coated Lensed Reflector 12 Volt (Black or Silver)

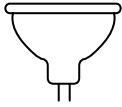
Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Beam Pattern	ANSI	Volts	Finish	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Carton
<b>20</b>	MR16	GU5.3/GX5.3	<b>S4175</b>	20MR16/BAB/S/C	FL 38	BAB	12	Silver	Y	700	3000	AX	1 7/8	Box	12
			<b>S4178</b>	20MR16/BAB/B/C	FL 38	BAB	12	Black	Y	700	3000	AX	1 7/8	Box	12
<b>35</b>	MR16	GU5.3/GX5.3	<b>S4176</b>	35MR16/FMW/S/C	FL 38	FMW	12	Silver	Y	1250	3000	AX	1 7/8	Box	12
			<b>S4179</b>	35MR16/FMW/B/C	FL 38	FMW	12	Black	Y	1250	3000	AX	1 7/8	Box	12
<b>50</b>	MR16	GU5.3/GX5.3	<b>S4177</b>	50MR16/EXN/S/C	FL 38	EXN	12	Silver	Y	1250	3000	AX	1 7/8	Box	12
			<b>S4180</b>	50MR16/EXN/B/C	FL 38	EXN	12	Black	Y	1250	3000	AX	1 7/8	Box	12

## MR16 GU10 Coated Lensed Reflector 120 Volt (Black, Silver or Aluminized)

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Beam Pattern	ANSI	Volts	Finish	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Carton
<b>20</b>	MR16	GU10	<b>S4190</b>	20MR16/BAB/ALU/GU10	FL 38	BAB	120	Alu.	Y	700	3000	AX	1 7/8	Box	12
<b>35</b>	MR16	GU10	<b>S4181</b>	35MR16/FMW/S/GU10	FL 38	FMW	120	Silver	Y	1250	3000	CC-8	1 7/8	Box	12
			<b>S4183</b>	35MR16/FMW/B/GU10	FL 38	FMW	120	Black	Y	1250	3000	CC-8	1 7/8	Box	12
			<b>S4192</b>	35MR16/FMW/ALU/GU10	FL 38	BAB	120	Alu.	Y	1250	3000	AX	1 7/8	Box	12
<b>50</b>	MR16	GU10	<b>S4182</b>	50MR16/EXN/S/GU10	FL 38	FMW	120	Silver	Y	1700	3000	CC-8	1 7/8	Box	12
			<b>S4184</b>	50MR16/EXN/B/GU10	FL 38	FMW	120	Black	Y	1700	3000	CC-8	1 7/8	Box	12
			<b>S4194</b>	50MR16/EXN/ALU/GU10	FL 38	BAB	120	Alu.	Y	1700	3000	AX	1 7/8	Box	12

## MR16 Bi Pin Aluminized Reflector 12 Volt

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Beam Pattern	ANSI	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Carton	Notes
<b>20</b>	MR16	GU5.3/GX5.3	<b>S2603 ▲</b>	20MR16/B/NSP	NSP 10	ESX	12	N	Y	4650	4000	AX	1 3/4	Box	20	6
			<b>S2601 ▲</b>	20MR16/B/FL	FL 35	BAB	12	N	Y	625	4000	AX	1 3/4	Box	20	6
<b>35</b>	MR16	GU5.3/GX5.3	<b>S2605 ▲</b>	35MR16/B/FL	FL 35	FMW	12	N	Y	1300	4000	AX	1 3/4	Box	20	6
<b>50</b>	MR16	GU5.3/GX5.3	<b>S2610 ▲</b>	50MR16/B/SP	SP 11	EXT	12	N	Y	10500	4000	AX	1 3/4	Box	20	6
			<b>S2609 ▲</b>	50MR16/B/NFL	NFL 25	EXZ	12	N	Y	3000	4000	AX	1 3/4	Box	20	6
			<b>S2607 ▲</b>	50MR16/B/FL	FL 35	EXN	12	N	Y	1900	4000	AX	1 3/4	Box	20	6



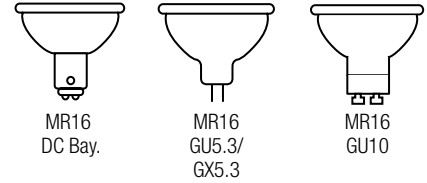
MR16  
GU5.3/  
GX5.3

## MR16 Bi Pin Hard Coated Dichroic Reflector 12 Volt

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Beam Pattern	ANSI	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Carton	Notes
<b>20</b>	MR16	GU5.3/GX5.3	<b>S2616</b> ▲	20MR16/T/SP/C	SP 10	ESX	12	Y	Y	5000	4000	AX	1 ¾	Box	20	7
			<b>S2615</b> ▲	20MR16/T/FL/C	FL 40	BAB	12	Y	Y	700	4000	AX	1 ¾	Box	20	7
			<b>S2617</b> ▲	20MR16/T/WFL/C	WFL 60	-	12	Y	Y	350	4000	AX	1 ¾	Box	20	7
<b>35</b>	MR16	GU5.3/GX5.3	<b>S2620</b> ▲	35MR16/T/SP/C	SP 10	FRB	12	Y	Y	8300	4000	AX	1 ¾	Box	20	7
			<b>S2619</b> ▲	35MR16/T/NFL/C	NFL 25	-	12	Y	Y	3100	4000	AX	1 ¾	Box	20	7
			<b>S2618</b> ▲	35MR16/T/FL/C	FL 40	FMW	12	Y	Y	1250	4000	AX	1 ¾	Box	20	7
			<b>S2621</b> ▲	35MR16/T/WFL/C	WFL 60	-	12	Y	Y	650	4000	AX	1 ¾	Box	20	7
<b>50</b>	MR16	GU5.3/GX5.3	<b>S2624</b> ▲	50MR16/T/SP/C	SP 10	EXT	12	Y	Y	11500	4000	AX	1 ¾	Box	20	7
			<b>S2623</b> ▲	50MR16/T/NFL/C	NFL 25	EXZ	12	Y	Y	3200	4000	AX	1 ¾	Box	20	7
			<b>S2622</b> ▲	50MR16/T/FL/C	FL 40	EXN	12	Y	Y	2000	4000	AX	1 ¾	Box	20	7
			<b>S2625</b> ▲	50MR16/T/WFL/C	WFL 60	FNV	12	Y	Y	1000	4000	AX	1 ¾	Box	20	7

## MR16 Bi Pin Energy Saver 12 Volt with Infrared Reflective Coating

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Beam Pattern	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Carton	Notes
<b>20</b>	MR16	GU5.3/GX5.3	<b>S2632</b> ▲	20MR16/IR/SP	SP 10	12	Y	Y	6000	4000	AX	1 ¾	Box	20	8
			<b>S2631</b> ▲	20MR16/IR/NFL	NFL 25	12	Y	Y	2300	4000	AX	1 ¾	Box	20	8
			<b>S2630</b> ▲	20MR16/IR/FL	FL 40	12	Y	Y	1000	4000	AX	1 ¾	Box	20	8
			<b>S2633</b> ▲	20MR16/IR/WFL	WFL 60	12	Y	Y	450	4000	AX	1 ¾	Box	20	8
<b>37</b>	MR16	GU5.3/GX5.3	<b>S2636</b> ▲	37MR16/IR/SP	SP 10	12	Y	Y	12500	4000	AX	1 ¾	Box	20	8
			<b>S2635</b> ▲	37MR16/IR/NFL	NFL 25	12	Y	Y	4400	4000	AX	1 ¾	Box	20	8
			<b>S2634</b> ▲	37MR16/IR/FL	FL 40	12	Y	Y	2200	4000	AX	1 ¾	Box	20	8
			<b>S2637</b> ▲	37MR16/IR/WFL	WFL 60	12	Y	Y	1100	4000	AX	1 ¾	Box	20	8
<b>50</b>	MR16	GU5.3/GX5.3	<b>S2640</b> ▲	50MR16/IR/SP	SP 10	12	Y	Y	15000	4000	AX	1 ¾	Box	20	8
			<b>S2639</b> ▲	50MR16/IR/NFL	NFL 25	12	Y	Y	5700	4000	AX	1 ¾	Box	20	8
			<b>S2638</b> ▲	50MR16/IR/FL	FL 40	12	Y	Y	2850	4000	AX	1 ¾	Box	20	8
			<b>S2641</b> ▲	50MR16/IR/WFL	WFL 60	12	Y	Y	1430	4000	AX	1 ¾	Box	20	8



## MR16 DC Bay. 12 Volt

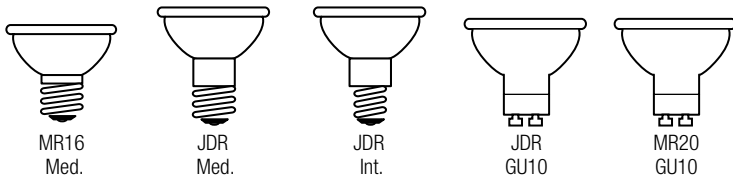
Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Beam Pattern	ANSI	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Carton
20	MR16	DC Bay.	S1971	20MR16/DC/NSP	NSP 9	GEU	12	Y	Y	4100	2000	C-8	1 7/8	Box	12
			S1970	20MR16/DC/FL	FL 36	GES	12	Y	Y	450	2000	C-6	1 7/8	Box	12
50	MR16	DC Bay.	S1973	50MR16/DC/NSP	NSP 9	GBT	12	Y	Y	6500	2000	C-8	1 7/8	Box	12
			S1972	50MR16/DC/FL	FL 36	GBW	12	Y	Y	1500	2000	C-8	1 7/8	Box	12
65	MR16	DC Bay.	S1975	65MR16/DC/NSP	NSP 9	-	12	Y	Y	9500	2000	C-8	1 7/8	Box	12
			S1974	65MR16/DC/FL	FL 36	-	12	Y	Y	10000	2000	C-8	1 7/8	Box	12

## MR16 Bi Pin 120 Volt

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Beam Pattern	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Carton
20	MR16	GU5.3/GX5.3	S1976	20MR16/FL/120V	FL 36	120	Y	Y	220	2000	CC-8	1 7/8	Box	12
		G8	S3445	20MR16/FL/120V	FL 36	120	Y	Y	220	2000	CC-8	1 7/8	CD/1	12
			S4626	20MR16/FL/120V	FL 36	120	Y	N	220	2000	CC-8	1 7/8	Box	12
35	MR16	GU5.3/GX5.3	S1977	35MR16/FL/120V	FL 36	120	Y	Y	440	2000	CC-8	1 7/8	Box	12
		G8	S4627	35MR16/FL/120V	FL 36	120	Y	N	440	2000	CC-8	1 7/8	Box	12
50	MR16	GU5.3/GX5.3	S1978	50MR16/FL/120V	FL 36	120	Y	Y	1000	2000	CC-8	1 7/8	Box	12
		G8	S3446	50MR16/FL/120V	FL 36	120	Y	Y	1000	2000	CC-8	1 7/8	CD/1	12
			S4618	50MR16/FL/120V	FL 36	120	Y	N	1000	2000	CC-8	1 7/8	Box	12

## MR16 GU10 (Twist Base) 120 Volt

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Beam Pattern	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Carton
20	MR16	GU10	S3515	20MR16/GU10/FL	FL 36	120	Y	Y	200	2000	CC-8	1 7/8	Box	12
			S3500	20MR16/GU10/FL	FL 36	120	Y	Y	200	2000	CC-8	1 7/8	CD/1	12
			<i>SOFTRAY</i>	S4127	20MR16/GU10/FL/FR	FL 36	120	Y	Y	200	2000	CC-8	1 7/8	Box
35	MR16	GU10	S3516	35MR16/GU10/FL	FL 36	120	Y	Y	400	2000	CC-8	1 7/8	Box	12
			S3501	35MR16/GU10/FL	FL 36	120	Y	Y	400	2000	CC-8	1 7/8	CD/1	12
			<i>SOFTRAY</i>	S4128	35MR16/GU10/FL/FR	FL 36	120	Y	Y	400	2000	CC-8	1 7/8	Box
50	MR16	GU10	S3517	50MR16/GU10/FL	FL 36	120	Y	Y	900	2000	CC-8	1 7/8	Box	12
			S3502	50MR16/GU10/FL	FL 36	120	Y	Y	900	2000	CC-8	1 7/8	CD/1	12
			<i>SOFTRAY</i>	S4129	50MR16/GU10/FL/FR	FL 36	120	Y	Y	900	2000	CC-8	1 7/8	Box



## MR16 & JDR Screw Base 120 Volt

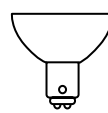
Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Beam Pattern	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Carton
<b>20</b>	MR16	Med.	<b>S4623</b>	20MR16/FL/MED	FL 36	120	Y	Y	700	2000	CC-8	1 7/8	Box	12
<b>35</b>	MR16	Med.	<b>S4624</b>	35MR16/FL/MED	FL 36	120	Y	Y	1250	2000	CC-8	1 7/8	Box	12

## MR16 & JDR Screw Base 120 Volt

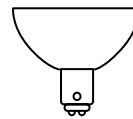
Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Beam Pattern	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Carton
<b>50</b>	MR16	Med.	<b>S4625</b>	50MR16/FL/MED	FL 36	120	Y	Y	1700	2000	CC-8	2	Box	12
	JDR	Med.	<b>S3139</b>	50JDR/FL	FL 36	120	Y	Y	950	2000	CC-8	2 5/8	Box	12
<b>75</b>	JDR	Int.	<b>S3115</b>	75JDR/N/FL	FL 36	120	Y	Y	1200	2000	CC-8	2 3/4	Box	12
			<b>S3434</b>	75JDR/N/FL	FL 36	120	Y	Y	1650	2000	CC-8	2 5/8	CD/1	12
	Med.	<b>S3113</b>	75JDR/FL	FL 36	120	Y	Y	1200	2000	CC-8	2 5/8	Box	12	
		<b>S3438</b>	75JDR/FL	FL 36	120	Y	Y	1200	2000	CC-8	2 5/8	CD/1	12	
<b>100</b>	JDR	Int.	<b>S3116</b>	100JDR/N/FL	FL 36	120	Y	Y	1950	2000	CC-8	2 3/4	Box	12
			<b>S3435</b>	100JDR/N/FL	FL 36	120	Y	Y	1950	2000	CC-8	2 7/8	CD/1	12
	Med.	<b>S3114</b>	100JDR/FL	FL 36	120	Y	Y	2000	2000	CC-8	2 5/8	Box	12	
		<b>S3439</b>	100JDR/FL	FL 36	120	Y	Y	1950	2000	CC-8	2 7/8	CD/1	12	

## MR20 & JDR GU10 (Twist Base) 120 Volt

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Beam Pattern	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Carton
<b>50</b>	JDR	GU10	<b>S3519</b>	50JDR-C/GU10/FR	FL 50	120	Y	Y	1600	2000	CC-8	2	Box	12
<b>75</b>	MR20	GU10	<b>S3518</b>	75MR20/GU10/FL	FL 50	120	Y	Y	1600	2000	CC-8	2	Box	12



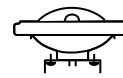
ALR12  
DC Bay.



ALR18  
DC Bay.



AR70  
DC Bay.



AR111  
G53

## Aluminum Reflector Lamps

### ALR Closed Aluminum Reflector 12 Volt

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Beam Pattern	ANSI	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Master/Inner Carton	
20	ALR12	DC Bay.	S2642 † ▲	20ALR12/NSP/CLR	NSP 6	GBD	12	Y	Y	6400	2000	C-8	1 3/8	Box	50	
			S2643 ▲	20ALR12/SP/FRST	SP 18	GBE	12	Y	Y	1000	2000	C-8	1 3/8	Box	50	
			S2644 ▲	20ALR12/FL/FRST	FL 32	GBF	12	Y	Y	350	2000	C-8	1 3/8	Box	50	
			Shatter Proof	S3937	20ALR12/FL/FRST	FL 32	GBF	12	Y	Y	350	2000	C-8	1 3/8	Box	50
				S4189	20ALR12/FL/FRST	FL 32	GBF	12	Y	Y	350	2000	C-8	1 3/8	Box	200/10
50	ALR18	DC Bay.	S2645 ▲	50ALR18/NFL/FRST	NFL 22	GBK	12	Y	Y	2000	2000	C-8	2 1/4	Box	50	

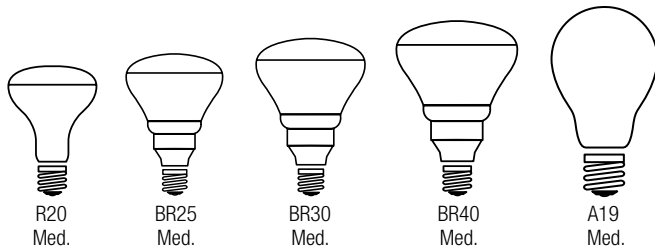
### AR70 Aluminum Reflector 12 Volt

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Beam Pattern	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Carton
20	AR70	DC Bay.	S2842 ■	20AR70/SP8	SP 8	12	N	Y	7700	3000	C-8	1 15/16	Box	10
			S4681 ▲	20AR70/FL25	FL 25	12	N	Y	900	3000	C-8	1 15/16	Box	10
50	AR70	DC Bay.	S4682 ▲	50AR70/SP8	SP 8	12	N	Y	12500	3000	C-8	1 15/16	Box	10
			S4683 ▲	50AR70/FL25	FL 25	12	N	Y	2600	3000	C-8	1 15/16	Box	10

### AR111 Aluminum Reflector 6 & 12 Volt

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Beam Pattern	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Carton
35	AR111	G53	S4684 ▲	35AR111/SSP4	SSP 4	12	N	Y	40000	3000	C-8	2 3/8	Box	6
			S4686 ▲	35AR111/SP8	SP 8	12	N	Y	14000	3000	C-8	2 5/16	Box	6
			S4687 ▲	35AR111/FL25	NFL 25	12	N	Y	2500	3000	C-8	2 5/16	Box	6
50	AR111	G53	S4688 ▲	50AR111/SSP4	SSP 4	12	N	Y	45000	3000	C-8	2 3/8	Box	6
			S4689 ▲	50AR111/SP8	SP 8	12	N	Y	20000	3000	C-8	2 1/4	Box	6
			S4690 ▲	50AR111/FL25	NFL 25	12	N	Y	4000	3000	C-8	2 5/16	Box	6
75	AR111	G53	S4691 ▲	75AR111/SP8	SP 8	12	N	Y	30000	3000	C-8	2 1/4	Box	6
			S4692 ▲	75AR111/FL25	NFL 25	12	N	Y	5300	3000	C-8	2 5/16	Box	6
100	AR111	G53	S4694 ▲	100AR111/SP8	SP 8	12	N	Y	48000	3000	C-8	2 1/4	Box	6
			S4695 ▲	100AR111/FL25	NFL 25	12	N	Y	8500	3000	C-8	2 5/16	Box	6





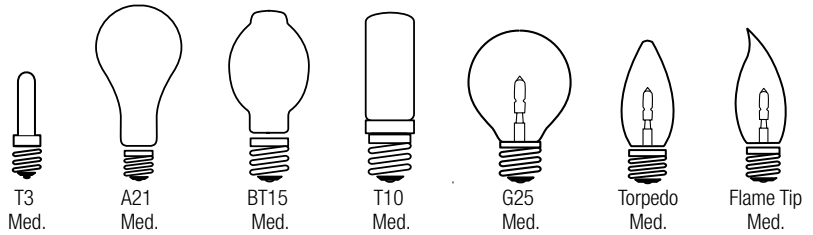
## R20, BR25, BR30 & R40 Reflector 120 & 130 Volt – Halogen

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Beam Pattern	Volts	Finish	M.O.L. Inches	Initial Lumens	Avg. Rated Hours	Pkg. Type	Carton
<b>45</b>	R20	Med.	<b>S4514</b>	45R20/FL/HAL	FL 70	120	Frost	4	560	2000	Sleeve	48/6
			<b>S4414</b>	45R20/FL/HAL/130V	FL 70	130	Frost	4	540	2000	Sleeve	48/6
	BR25		<b>S2451</b>	45BR25/FL/HAL/120V	FL 70	120	Frost	4 ¾	560	2000	Box	24/12
<b>65</b>	BR30	Med.	<b>S4515</b>	65BR30/FL/HAL	FL 80	120	Frost	5 3/8	920	2000	Sleeve	48/6
			<b>S4415</b>	65BR30/FL/HAL/130V	FL 80	130	Frost	6 ½	900	2000	Sleeve	48/6
	BR40	Med.	<b>S4516</b>	65BR40/FL/HAL	FL 90	120	Frost	6 ½	920	2000	Sleeve	24/6
			<b>S4416</b>	65BR40/FL/HAL/130V	FL 90	130	Frost	6 ½	900	2000	Sleeve	24/6

## Halogen A19

### Halogen/Excel A19 Replacements

Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Finish	M.O.L. Inches	Initial Lumens	Avg. Rated Hours	Pkg. Type	Master/ Inner Carton
<b>29</b>	A19	Med.	<b>S2401</b>	40W	29A19/HAL/ES/CL/120V/2PK	120	Clear	4 ½	430	1000	Box	12/2
			<b>S2405</b>	40W	29A19/HAL/ES/SW/120V/2PK	120	White	4 ½	430	1000	Box	12/2
<b>43</b>	A19	Med.	<b>S2402</b>	60W	43A19/HAL/ES/CL/120V/2PK	120	Clear	4 ½	750	1000	Box	12/2
			<b>S2406</b>	60W	43A19/HAL/ES/SW/120V/2PK	120	White	4 ½	750	1000	Box	12/2
			<b>S2448</b>	60W	43A19/HAL/ES/SW/120V/4PK	120	White	4 ½	750	1000	Box	12/4
<b>53</b>	A19	Med.	<b>S2403</b>	75W	53A19/HAL/ES/CL/120V/2PK	120	Clear	4 ½	1050	1000	Box	12/2
			<b>S2407</b>	75W	53A19/HAL/ES/SW/120V/2PK	120	White	4 ½	1050	1000	Box	12/2
			<b>S2449</b>	75W	53A19/HAL/ES/SW/120V/4PK	120	White	4 ½	1050	1000	Box	12/4
<b>72</b>	A19	Med.	<b>S2404</b>	100W	72A19/HAL/ES/CL/120V/2PK	120	Clear	4 ½	1490	1000	Box	12/2
			<b>S2408</b>	100W	72A19/HAL/ES/SW/120V/2PK	120	White	4 ½	1490	1000	Box	12/2
			<b>S2450</b>	100W	72A19/HAL/ES/SW/120V/4PK	120	White	4 ½	1490	1000	Box	12/4



## Tubular and BT Shape

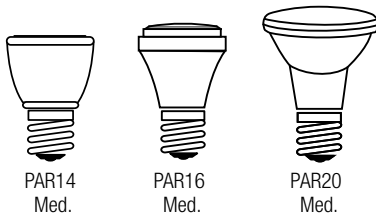
### Med. Base Tubular and A Style Replacements

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Initial Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Carton	Notes
<b>20</b>	T3	Med.	<b>S4308</b>	KX20CL/3M/E26	120	Clear	2 ¾	200	3000	Box	10	1
			<b>S4309</b>	KX20FR/3M/E26	120	Frost	2 ¾	200	3000	Box	10	1
<b>30/70/100</b>	A21	Med.	<b>S4505</b>	30/100A/HAL	120	White	5 1/16	295/785/1080	4000	Sleeve	36/12	
<b>40</b>	T3	Med.	<b>S4310</b>	KX40CL/3M/E26	120	Clear	2 ¾	560	3000	Box	10	1
			<b>S4311</b>	KX40FR/3M/E26	120	Frost	2 ¾	560	3000	Box	10	1
<b>43</b>	BT15	Med.	<b>S2452</b>	43BT15/CL/120V/CD	120	Clear	4	750	1000	CD/1	24/6	
			<b>S2453</b>	43BT15/WH/120V/CD	120	White	4	750	1000	CD/1	24/6	
<b>50/100/150</b>	A21	Med.	<b>S4506</b>	50/150A/HAL	120	White	5 1/16	585/1400/1985	4000	Sleeve	36/12	
<b>53</b>	BT15	Med.	<b>S2454</b>	53BT15/WH/120V/CD	120	White	4	1050	1000	CD/1	24/6	
<b>60</b>	T3	Med.	<b>S4312</b>	KX60CL/3M/E26	120	Clear	2 ¾	960	3000	Box	10	1
			<b>S4313</b>	KX60FR/3M/E26	120	Frost	2 ¾	960	3000	Box	10	1
<b>72</b>	BT15	Med.	<b>S2455</b>	72BT15/WH/120V/CD	120	White	4	1490	1000	CD/1	24/6	
<b>150</b>	T10	Med.	<b>S3474</b>	150T10Q/CL	120	Clear	4	2600	2000	CD/1	12	
			<b>S3478</b>	150T10Q/F	120	Frost	4	2600	2000	CD/1	12	
			<b>S3620 ▲</b>	150T10Q/CL	230	Clear	4	2600	2000	CD/1	12	
<b>250</b>	T10	Med.	<b>S3475</b>	250T10Q/CL	120	Clear	4	4000	2000	CD/1	12	
			<b>S3479</b>	250T10Q/F	120	Frost	4	3600	2000	CD/1	12	

## Decorative Halogen Lamps

### Halogen/Excel Globe and Chandelier

Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Finish	M.O.L. Inches	Initial Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Carton
<b>43</b>	G25	Med.	<b>S2437</b>	60W	43G25/CL/120V	120	Clear	4 3/8	750	1000	Box	72/6
			<b>S2438</b>	60W	43G25/WH/120V	120	White	4 3/8	750	1000	Box	72/6
			<b>S2441</b>	60W	43G25/CL/120V/3PK	120	Clear	4 3/8	750	1000	Box	40/3
			<b>S2442</b>	60W	43G25/WH/120V/3PK	120	White	4 3/8	750	1000	Box	40/3
	Torpedo	Med.	<b>S2443</b>	60W	43ETC/HAL/120V/E26/CD	120	Clear	3 ½	750	1000	CD/2	120/12
			<b>S2444</b>	60W	43ETF/HAL/120V/E26/CD	120	Frost	3 ½	750	1000	CD/2	120/12
			<b>S2445</b>	60W	43ETW/HAL/120V/E26/CD	120	White	3 ½	750	1000	CD/2	120/12
			<b>S2457</b>	60W	43ETC/HAL/120V/E26 1/BX	120	Clear	3 ½	750	1000	Box	500/25
			<b>S2458</b>	60W	43ETC/HAL/120V/E26 1/BX	120	Frost	3 ½	750	1000	Box	500/25
	Flame Tip	Med.	<b>S2446</b>	60W	43EFC/HAL/120V/E26/CD	120	Clear	4 ¾	750	1000	CD/2	120/12
			<b>S2447</b>	60W	43EFF/HAL/120V/E26/CD	120	Frost	4 ¾	750	1000	CD/2	120/12



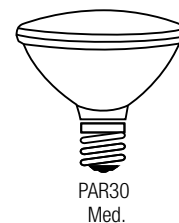
# Halogen PAR Lamps

## PAR14 and PAR16

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Beam Pattern	Volts	Finish	CBCP	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Carton Notes
35	PAR14	Med.	<b>S4658</b> ▲	35PAR14/CAP/FL	WFL 50	120	Clear	85	2 1/16	CC-8	300	2000	Box	6
45	PAR16	Med.	<b>S2200</b>	45PAR16/HAL/NFL	NFL 30	120	Clear	1250	3 3/16	CC-8	360	2500	Box	15
			<b>S2300</b>	45PAR16/HAL/NFL	NFL 30	130	Clear	1250	3 3/16	CC-8	360	2500	Box	15
60	PAR16	Med.	<b>S2202</b>	60PAR16/HAL/NSP	NSP 10	120	Clear	4700	3 3/16	CC-8	550	2500	Box	15
			<b>S4902</b> ▲	60PAR16/CAP/NSP	NSP 10	120	Clear	5000	2 7/8	CC-8	650	2000	Box	15
			<b>S2302</b>	60PAR16/HAL/NSP	NSP 10	130	Clear	4700	3 3/16	CC-8	550	2500	Box	15
			<b>S4903</b> ▲	60PAR16/CAP/NSP	NSP 10	130	Clear	5000	2 7/8	CC-8	650	2000	Box	15
			<b>S2201</b>	60PAR16/HAL/NFL	NFL 30	120	Clear	2000	3 3/16	CC-8	550	2500	Box	15
			<b>S4900</b> ▲	60PAR16/CAP/NFL	NFL 30	120	Clear	1300	2 7/8	CC-8	650	2000	Box	15
			<b>S2301</b>	60PAR16/HAL/NFL	NFL 30	130	Clear	2000	3 3/16	CC-8	550	2500	Box	15
			<b>S4901</b> ▲	60PAR16/CAP/NFL	NFL 30	130	Clear	1300	2 7/8	CC-8	650	2000	Box	15
75	PAR16	Med.	<b>S2204</b>	75PAR16/HAL/NSP	NSP 10	120	Clear	7000	3 3/16	CC-8	800	2500	Box	15
			<b>S4906</b> ▲	75PAR16/CAP/NSP	NSP 10	120	Clear	7500	2 7/8	CC-8	900	2000	Box	15
			<b>S4907</b> ▲	75PAR16/CAP/NSP	NSP 10	130	Clear	7500	2 7/8	CC-8	900	2000	Box	15
			<b>S2203</b>	75PAR16/HAL/NFL	NFL 30	120	Clear	2750	3 3/16	CC-8	800	2500	Box	15
			<b>S4904</b> ▲	75PAR16/CAP/NFL	NFL 30	120	Clear	1900	2 7/8	CC-8	900	2000	Box	15
			<b>S2303</b>	75PAR16/HAL/NFL	NFL 30	130	Clear	2750	3 3/16	CC-8	800	2500	Box	15
			<b>S4905</b> ▲	75PAR16/CAP/NFL	NFL 30	130	Clear	1900	2 7/8	CC-8	900	2000	Box	15
			<i>SOFT RAY</i> <b>S4109</b>	75PAR16/HAL/FL/Frost	FL 38	120	Frost	1000	3 3/16	CC-8	725	2500	Box	15 5

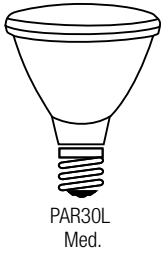
## PAR20

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Beam Pattern	Volts	Finish	CBCP	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Carton Notes
39	PAR20	Med.	<b>S2231</b>	39PAR20/HAL/XEN/NSP/120V	NSP 10	120	Clear	4700	3 1/4	CC-8	530	1500	Box	15
			<b>Y16103</b> ▲	39PAR20/HAL/SP10/120V	SP 10	120	Clear	3700	3 1/4	CC-8	475	1500	Box	10
			<b>Y16108</b> ▲	39PAR20/HAL/SP10/130V	SP 10	130	Clear	3700	3 1/4	CC-8	475	1500	Box	10
			<b>S2328</b>	39PAR20/HAL/XEN/NFL/130V	NFL 30	130	Clear	1300	3 1/4	CC-8	530	2000	Box	15
			<b>S2232</b>	39PAR20/HAL/XEN/NFL/120V	NFL 34	120	Clear	1300	3 1/4	CC-8	530	1500	Box	15
			<b>S2267</b>	39PAR20/HAL/XEN/NFL/120V 2PK	NFL 34	120	Clear	1300	3 1/4	CC-8	530	1500	Box	8-2pks
			<b>Y16104</b> ▲	39PAR20/HAL/FL30/120V	FL 30	120	Clear	1000	3 1/4	CC-8	475	1500	Box	10
			<b>Y16109</b> ▲	39PAR20/HAL/FL30/130V	FL 30	130	Clear	1000	3 1/4	CC-8	475	1500	Box	10
			<i>SOFT RAY</i> <b>S4130</b>	39PAR20/HAL/XEN/FL/FR/120V	FL 42	120	Frost	500	3 1/4	CC-8	500	1500	Box	15 5
			<i>SOFT RAY</i> <b>S4208</b>	39PAR20/HAL/XEN/FL/FR/130V	FL 42	130	Frost	500	3 1/4	CC-8	500	2000	Box	15 5



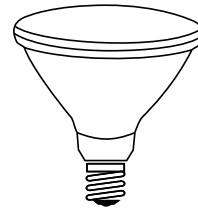
## PAR30 Short Neck

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Beam Pattern	Volts	Finish	CBCP	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Carton	Notes	
39	PAR30	Med.	<b>S2233</b>	39PAR30/HAL/XEN/NSP/120V	NSP 9	120	Clear	6500	3 5/8	CC-8	530	1500	Box	15		
			<b>Y16117 ▲</b>	39PAR30/HAL/SP10/120V	SP 10	120	Clear	6100	3 5/8	CC-8	550	1500	Box	10		
			<b>Y16121 ▲</b>	39PAR30/HAL/SP10/130V	SP 10	130	Clear	6100	3 5/8	CC-8	550	1500	Box	10		
			<b>S2234</b>	39PAR30/HAL/XEN/NFL/120V	NFL 34	120	Clear	1350	3 5/8	CC-8	530	1500	Box	15		
			<b>Y16118 ▲</b>	39PAR30/HAL/NFL25/120V	NFL 25	120	Clear	1700	3 5/8	CC-8	550	1500	Box	10		
			<b>S2330</b>	39PAR30/HAL/XEN/NFL/130V	NFL 34	130	Clear	1350	3 5/8	CC-8	530	2000	Box	15		
			<b>Y16122 ▲</b>	39PAR30/HAL/NFL25/130V	NFL 25	130	Clear	1700	3 5/8	CC-8	550	1500	Box	10		
			<b>S2335</b>	39PAR30/HAL/XEN/WFL/130V	WFL 50	130	Clear	750	3 5/8	CC-8	530	2000	Box	15		
			<b>Y16119 ▲</b>	39PAR30/HAL/WFL50/120V	WFL 50	120	Clear	600	3 5/8	CC-8	550	1500	Box	10		
			<b>Y16123 ▲</b>	39PAR30/HAL/WFL50/130V	WFL 50	130	Clear	600	3 5/8	CC-8	550	1500	Box	10		
			<i>SOFT RAY</i>	<b>S4131</b>	39PAR30/HAL/XEN/FL/FR/120V	FL 42	120	Frost	550	3 5/8	CC-8	500	1500	Box	15	5
			<i>SOFT RAY</i>	<b>S4209</b>	39PAR30/HAL/XEN/FL/FR/130V	FL 42	130	Frost	550	3 5/8	CC-8	500	2000	Box	15	5
				<b>S2235</b>	39PAR30/HAL/XEN/WFL/120V	WFL 50	120	Clear	750	3 5/8	CC-8	530	1500	Box	15	
60	PAR30	Med.	<b>S2236</b>	60PAR30/HAL/XEN/NSP/120V	NSP 9	120	Clear	10500	3 5/8	CC-8	1090	1500	Box	15		
			<b>Y16127 ▲</b>	60PAR30/HAL/S/SP10/120V	SP 10	120	Clear	12000	3 5/8	CC-8	1070	1500	Box	10		
			<b>S2237</b>	60PAR30/HAL/XEN/NFL/120V	NFL 34	120	Clear	2300	3 5/8	CC-8	1090	1500	Box	15		
			<b>Y16128 ▲</b>	60PAR30/HAL/S/NFL25/120V	NFL 25	120	Clear	3300	3 5/8	CC-8	1070	1500	Box	10		
			<b>S2268</b>	60PAR30/HAL/XEN/NFL/120V 2PK	NFL 34	120	Clear	2300	3 5/8	CC-8	1090	1500	Box	8-2pks		
			<b>S2238</b>	60PAR30/HAL/XEN/WFL/120V	WFL 50	120	Clear	950	3 5/8	CC-8	1090	1500	Box	15		
			<b>Y16129 ▲</b>	60PAR30/HAL/S/WFL50/120V	WFL 50	120	Clear	1300	3 5/8	CC-8	1070	1500	Box	10		

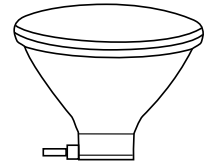


## PAR30 Long Neck

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Beam Pattern	Volts	Finish	CBCP	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Carton
<b>39</b>	PAR30	Med.	<b>S2239</b>	39PAR30L/HAL/XEN/NSP/120V	NSP 9	120	Clear	6500	4 1/2	CC-8	530	1500	Box	15
			<b>Y16153</b> ▲	39PAR30LN/HAL/SP10/120V	SP 10	120	Clear	6100	4 5/8	CC-8	550	1500	Box	10
			<b>Y16159</b> ▲	39PAR30LN/HAL/SP10/130V	SP 10	130	Clear	6100	4 5/8	CC-8	550	1500	Box	10
			<b>S2240</b>	39PAR30L/HAL/XEN/NFL/120V	NFL 34	120	Clear	1350	4 1/2	CC-8	530	1500	Box	15
			<b>Y16154</b> ▲	39PAR30LN/HAL/NFL25/120V	NFL 25	120	Clear	1700	4 5/8	CC-8	550	1500	Box	10
			<b>S2332</b>	39PAR30L/HAL/XEN/NFL/130V	NFL 36	130	Clear	1350	4 1/2	CC-8	530	2000	Box	15
			<b>Y16160</b> ▲	39PAR30LN/HAL/NFL25/130V	NFL 25	130	Clear	1700	4 5/8	CC-8	550	1500	Box	10
			<i>SOFT RAY</i> <b>S4132</b>	39PAR30L/HAL/XEN/FL/FR/120V	FL 42	120	Frost	550	4 1/2	CC-8	500	1500	Box	15
			<i>SOFT RAY</i> <b>S4210</b>	39PAR30L/HAL/XEN/FL/FR/130V	FL 42	130	Frost	550	4 1/2	CC-8	500	2000	Box	15
			<b>S2241</b>	39PAR30L/HAL/XEN/WFL/120V	WFL 50	120	Clear	750	4 1/2	CC-8	530	1500	Box	15
			<b>Y16156</b> ▲	39PAR30LN/HAL/WFL50/120V	WFL 50	120	Clear	600	4 5/8	CC-8	550	1500	Box	10
			<b>S2336</b>	39PAR30L/HAL/XEN/WFL/130V	WFL 50	130	Clear	750	4 1/2	CC-8	530	2000	Box	15
			<b>Y16161</b> ▲	39PAR30LN/HAL/WFL50/130V	WFL 50	130	Clear	600	4 5/8	CC-8	550	1500	Box	10
			<b>60</b>	PAR30	Med.	<b>S2242</b>	60PAR30L/HAL/XEN/NSP/120V	NSP 9	120	Clear	10500	4 1/2	CC-8	1090
<b>Y16166</b> ▲	60PAR30LN/HAL/S/SP10/120V	SP 10				120	Clear	12000	4 5/8	CC-8	1070	1500	Box	10
<b>S2243</b>	60PAR30L/HAL/XEN/NFL/120V	NFL 34				120	Clear	2300	4 1/2	CC-8	1090	1500	Box	15
<b>S2269</b>	60PAR30L/HAL/XEN/NFL/120V 2PK	NFL 34				120	Clear	2300	4 1/2	CC-8	1090	1500	Box	8-2pks
<b>Y16167</b> ▲	60PAR30LN/HAL/S/NFL25/120V	NFL 25				120	Clear	3300	4 5/8	CC-8	1070	1500	Box	10
<b>S2244</b>	60PAR30L/HAL/XEN/WFL/120V	WFL 50				120	Clear	950	4 1/2	CC-8	1090	1500	Box	15
<b>Y16168</b> ▲	60PAR30LN/HAL/S/WFL50/120V	WFL 50				120	Clear	1300	4 5/8	CC-8	1070	1500	Box	10



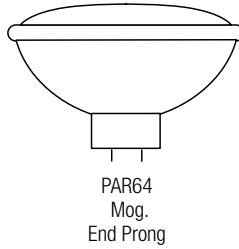
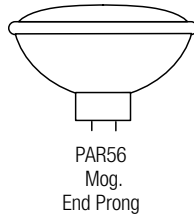
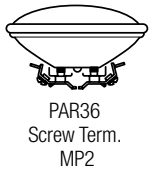
PAR38  
Med. Sk.



PAR38  
Med. Side Prong  
MSPG

## PAR38

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Beam Pattern	Volts	Finish	CBCP	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Carton	Notes
39	PAR38	Med. Sk.	S2245	39PAR38/HAL/XEN/NSP/120V	NSP 9	120	Clear	5000	5 5/16	CC-8	530	1500	Box	15	
			Y16728 ▲	39PAR38/HAL/SP10/120V	SP 10	120	Clear	7700	5 5/16	CC-8	550	1500	Box	10	
			Y16732 ▲	39PAR38/HAL/SP10/130V	SP 10	130	Clear	7700	5 5/16	CC-8	550	1500	Box	10	
			S2246	39PAR38/HAL/XEN/FL/120V	FL 30	120	Clear	1100	5 5/16	CC-8	530	1500	Box	15	
			Y16729 ▲	39PAR38/HAL/NFL25/120V	NFL 25	120	Clear	2100	5 5/16	CC-8	550	1500	Box	10	
			S2334	39PAR38/HAL/XEN/NFL/130V	FL 30	130	Clear	1100	5 5/16	CC-8	530	2000	Box	15	
			Y16733 ▲	39PAR38/HAL/NFL25/130V	NFL 25	130	Clear	2100	5 5/16	CC-8	550	1500	Box	10	
			<i>SOFT RAY</i> S4133	39PAR38/HAL/XEN/FL/FR/120V	FL 42	120	Frost	550	5 5/16	CC-8	500	1500	Box	15	5
<i>SOFT RAY</i> S4211	39PAR38/HAL/XEN/FL/FR/130V	FL 42	130	Frost	550	5 5/16	CC-8	500	2000	Box	15	5			
50	PAR38	Med. Sk.	Y16734 ▲	50PAR38/HAL/S/SP10/120V	SP 10	120	Clear	11900	5 5/16	CC-8	850	1500	Box	10	
			Y16735 ▲	50PAR38/HAL/S/NFL25/120V	NFL 25	120	Clear	3300	5 5/16	CC-8	850	1500	Box	10	
60	PAR38	Med. Sk.	S2247	60PAR38/HAL/XEN/NSP/120V	NSP 9	120	Clear	12000	5 5/16	CC-8	1090	1500	Box	15	
			Y16737 ▲	60PAR38/HAL/S/SP10/120V	SP 10	120	Clear	14900	5 5/16	CC-8	1070	1500	Box	10	
			S2248	60PAR38/HAL/XEN/FL/120V	FL 30	120	Clear	2500	5 5/16	CC-8	1090	1500	Box	15	
			Y16738 ▲	60PAR38/HAL/S/NFL25/120V	NFL 25	120	Clear	4100	5 5/16	CC-8	1070	1500	Box	10	
			S2249	60PAR38/HAL/XEN/FL/2PK/120V	FL 30	120	Clear	2500	5 5/16	CC-8	1090	1500	Box	8	
70	PAR38	Med. Sk.	S2256	70PAR38/HAL/XEN/NSP/120V	NSP 9	120	Clear	14000	5 5/16	CC-8	1380	1500	Box	15	
			Y16742 ▲	70PAR38/HAL/S/SP10/120V	SP 10	120	Clear	18200	5 5/16	CC-8	1305	1500	Box	10	
			S2257	70PAR38/HAL/XEN/FL/120V	FL 30	120	Clear	3000	5 5/16	CC-8	1380	1500	Box	15	
			Y16743 ▲	70PAR38/HAL/S/NFL25/120V	NFL 25	120	Clear	5100	5 5/16	CC-8	1305	1500	Box	10	
80	PAR38	Med. Sk.	S2258	80PAR38/HAL/XEN/NSP/120V	NSP 9	120	Clear	20000	5 5/16	CC-8	1600	1500	Box	15	
			Y16747 ▲	80PAR38/HAL/S/SP10/120V	SP 10	120	Clear	21600	5 5/16	CC-8	1545	1500	Box	10	
			S2259	80PAR38/HAL/XEN/FL/120V	FL 30	120	Clear	4500	5 5/16	CC-8	1600	1500	Box	15	
			Y16748 ▲	80PAR38/HAL/S/NFL25/120V	NFL 25	120	Clear	6000	5 5/16	CC-8	1545	1500	Box	10	
			S2260	80PAR38/HAL/XEN/FL/2PK/120V	FL 30	120	Clear	4500	5 5/16	CC-8	1600	1500	Box	8	
			Y16751 ▲	80PAR38/HAL/S/WFL50/120V	WFL 50	120	Clear	2300	5 5/16	CC-8	1545	1500	Box	10	
90	PAR38	MSPG	S4674 ▲	90PAR38/CAP/3WSP	WSP 12	120	Clear	14300	4 5/16	CC-8	1310	2500	Box	15	9
			S4675 ▲	90PAR38/CAP/3FL	FL 30	120	Clear	3500	4 5/16	CC-8	1310	2500	Box	15	9



## PAR36 12 Volt

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Beam Pattern	Volts	CBCP	M.O.L. Inches	Filament	Avg. Rated Hours	Pkg. Type	Carton
36	PAR36	MP2	S4807 ▲	36PAR36/CAP/VNSP	VNSP 5	12	17000	2 ¾	CC-8	4000	Box	12
			S4808 ▲	36PAR36/CAP/NSP	NSP 13	12	3500	2 ¾	CC-8	4000	Box	12
			S4809	36PAR36/CAP/WFL	WFL 32	12	1000	2 ¾	CC-8	4000	Box	12
50	PAR36	MP2	S4806 ▲	50PAR36/CAP/NSP	NSP 6	12	25000	2 ¾	CC-8	4000	Box	12

## PAR56 and PAR64

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Beam Pattern	Volts	CBCP	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Carton
300	PAR56	Mog. End Pr.	S4810 ▲	300PAR56/MFL	MFL 22	120	24000	5	CC-13	3850	2000	Box	12
			S4811 ▲	300PAR56/WFL	WFL 37	120	11000	5	CC-13	3850	2000	Box	12
500	PAR56	Mog. End Pr.	S4668 ▲	500PAR56Q/NSP	NSP 15	120	78500	5	CC-6	–	4000	Box	12
			S4669 ▲	500PAR56Q/MFL	MFL 30	120	40000	5	CC-6	–	4000	Box	12
			S4670 ▲	500PAR56Q/WFL	WFL 45	120	19500	5	CC-6	–	4000	Box	12
1000	PAR64	Mog. End Pr.	S4671 ▲	1000PAR64Q/NSP	NSP 20	120	135000	6	CC-6	–	4000	Box	6
			S4672 ▲	1000PAR64Q/MFL	MFL 30	120	82000	6	CC-6	–	4000	Box	6
			S4673 ▲	1000PAR64Q/WFL	WFL 60	120	23000	6	CC-6	–	4000	Box	6

### General Halogen Notes

▲ = Product by one of the Primary lamp manufacturers

† = To be discontinued when inventory is depleted due to legislation requirements.

CD/1 = Carded or Clamshell – 1 lamp per card

CD/2 = Carded or Clamshell – 2 lamps per card

CD/4 = Carded or Clamshell – 4 lamps per card

### Open Fixture Warning

Unless otherwise stated, all non-enclosed halogen lamps carry the following warning, A suitable protective shield, screening technique, or both must be used to protect people and surroundings from the possibility of a lamp shattering and from possible ultraviolet radiation. Enclosed Halogen lamps include PAR and BR lamps, A, T10 Double Envelope, and BT15 lamps, Lensed MR11 and MR16 lamps, and Ball Lites.

### Incandescent Notes

- 1 Krypton/Xenon filled lamps provide bright white light similar to Halogen, without a UV hazard. These lamps are fully dimmable without performance loss.
- 2 Extra tall lamp, with a porcelain spacer designed to create distance between the heat of the filament and the fixture socket. These lamps are primarily used in high-end Euro. import fixtures.

- 3 Commercial grade product.
- 4 Suitable for use in unshielded fixtures. Consult most recent luminaire standards for your area to determine luminaire requirements.
- 5 These lamps feature a frosted reflector and frosted integral cover glass, designed for decorative glass pendant fixtures. They provide light in all directions, without the striations of backlight color common to MR16 lamps.
- 6 Features an aluminized reflector, creating consistent color over the life of the lamp. Heat is transmitted out the front of the lamp.
- 7 Features a hard coated dichroic reflector, creating consistent color over the life of the lamp. Heat is transmitted through the back of the reflector.
- 8 Features MR16 IR technology, increasing light output, or saving energy. The hard coated dichroic reflector creates consistent color over the life of the lamp. Heat is transmitted through the back of the reflector.
- 9 High Performance PAR lamps, feature a spiral reflector/lens system providing a smoother uniform beam pattern, with superior beam control and sharp cutoff of light.
- 10 Primarily used in automotive and linear lighting applications.
- 11 Primarily used in automotive applications. Also used in Tizio desk lamps manufactured prior to 1993.



Nuvo Lighting's Laguna two-tier, nine light chandelier in Aged Bronze with white glass. Nuvo item number 60-5929. [www.nuvolighting.com](http://www.nuvolighting.com)



## Enduring solutions.

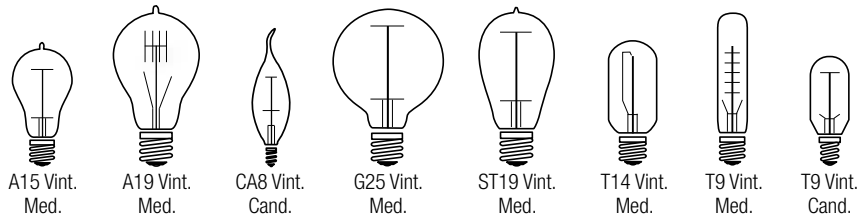
Incandescent lamps represent the original lighting technology, remaining virtually unchanged since their invention in the mid-19th century, and the lighting technology Satco was founded upon. This is the technology most everyone has become familiar with and the baseline comparison for all other lighting technologies. As the incandescent bulb becomes more and more regulated, Satco remains on the cutting edge of new lighting technologies. Still, we remain well-stocked with incandescent lamps in a multitude of wattages, base sizes, and shapes for every application.

### Incandescent lamp features:

- High lumen output
- Up to 5,000 hour life
- Virtually every size and style imaginable
- Wattages from 3 to 500 Watts
- Durable vibration and rough service products
- Colored and special application types

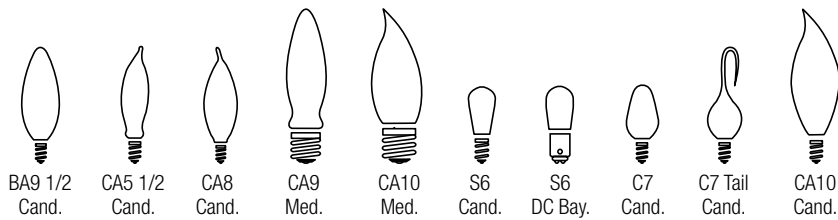


Nuvo Lighting's Neval five light chandelier in Brushed Nickel with Satin White Glass. Nuvo item number 60-5485. See the [www.nuvolighting.com](http://www.nuvolighting.com) website.



## Vintage Style Incandescent Lamps

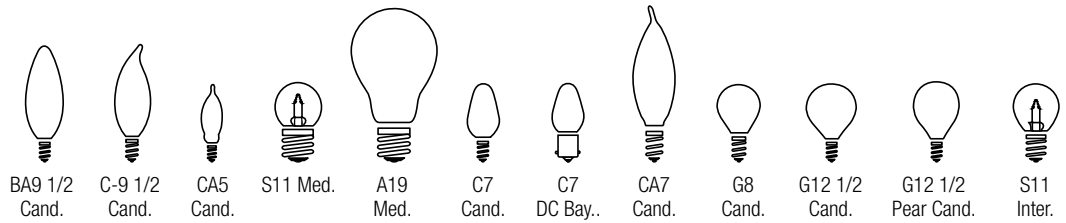
Bulb Type	Watts	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Carton
<b>A15</b>	40	Med.	<b>S2424</b>	40A15/CL/11S/120V/Vint.	120	Clear	3 5/8	Cage Style	160	3000	Box	50/10
<b>A19</b>	25	Med.	<b>S2411</b>	25A19/CL/120V/Vint.	120	Clear	4 1/2	Quad Loop	100	3000	Box	48/6
	40	Med.	<b>S2412</b>	40A19/CL/120V/Vint.	120	Clear	4 1/2	Quad Loop	160	3000	Box	48/6
	60	Med.	<b>S2419</b>	60A19/CL/120V/Vint.	120	Clear	4 1/2	Quad Loop	240	3000	Box	48/6
<b>CA8</b>	25	Cand.	<b>S2418</b>	25CFC/7S/120V/Vint.	120	Clear	5	Deco Carbon	100	3000	Box	50/10
<b>G25</b>	40	Med.	<b>S2425</b>	40G25/CL/15S/120V/Vint.	120	Clear	4 3/4	Cage Style	160	3000	Box	48/6
<b>ST19</b>	40	Med.	<b>S2413</b>	40ST19/CL/15S/120/Vint.	120	Clear	5 3/16	Cage Style	160	3000	Box	48/6
			<b>S2414</b>	40ST19/CL/9S/120V/Vint.	120	Clear	5 3/16	Hairpin	160	3000	Box	48/6
	60	Med.	<b>S2423</b>	60ST19/CL/15S/120V/Vint.	120	Clear	5 3/16	Cage Style	240	3000	Box	48/6
<b>T14</b>	40	Med.	<b>S2416</b>	40T14/CL/32S/120V/Vint.	120	Clear	4 1/4	Spiral	160	3000	Box	50/10
			<b>S2417</b>	40T14/CL/15S/120V/Vint.	120	Clear	4 1/4	Cage Style	160	3000	Box	50/10
<b>T9</b>	20	Med.	<b>S2415</b>	20T9/CL/120V/Vint.	120	Clear	5 1/2	Hairpin	80	3000	Box	48/6
	40	Cand.	<b>S2420</b>	40T9/GLD/9S/E12/120V/Vint.	120	Clear Gold	3 1/2	Cage Style	160	3000	Box	50/10
		Med.	<b>S2426</b>	40T9/CL/120V/Vint.	120	Clear	5 1/2	Hairpin	160	3000	Box	50/10
	60	Med.	<b>S2421</b>	40T9/CL/12S/120V/Vint.	120	Clear	7 5/16	Hairpin	160	3000	Box	50/10
			<b>S2422</b>	60T9/CL/12S/120V/Vint.	120	Clear	7 5/16	Hairpin	240	3000	Box	50/10



## Incandescent Lamps

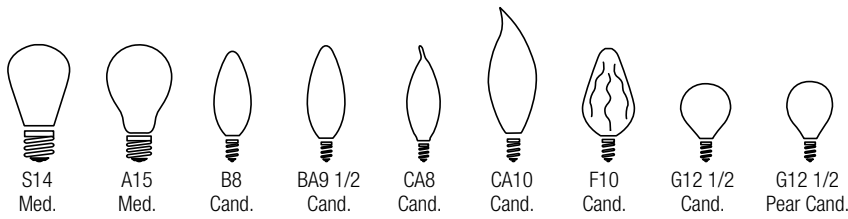
Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Carton
<b>3</b>	BA9 1/2	Cand.	<b>S3659</b>	3BA9 1/2/Flicker	120	Clear	3 1/2	Neon	–	1000	Box	500/25
			<b>S3759</b>	3BA9 1/2/Flicker	120	Clear	3 1/2	Neon	–	1000	CD/1	120/12
	CA5 1/2	Cand.	<b>S3661</b>	3CA5 1/2/ Flicker	120	Clear	3 1/4	Neon	–	1000	Box	500/25
			<b>S3761</b>	3CA5 1/2/ Flicker	120	Clear	3 1/4	Neon	–	1000	CD/1	120/12
	CA8	Cand.	<b>S3656</b>	3CA8/Flicker	120	Clear	3 7/8	Neon	–	1000	Box	500/25
			<b>S3756</b>	3CA8/Flicker	120	Clear	3 7/8	Neon	–	1000	CD/1	120/12
	BA9 1/2	Med.	<b>S3660</b>	3BA9 1/2/Flicker	120	Clear	4 9/16	Neon	–	1000	Box	500/25
	CA9	Med.	<b>S3760</b>	3CA9/Flicker	120	Clear	4 9/16	Neon	–	1000	CD/1	120/12
	CA10	Med.	<b>S3657</b>	3CA10/Flicker	120	Clear	4 1/16	Neon	–	1000	Box	500/25
			<b>S3757</b>	3CA10/Flicker	120	Clear	4 1/16	Neon	–	1000	CD/1	120/12
	S6	Cand.	<b>S4567</b> ■	3S6/5	130	Clear	1 7/8	C-6	10	1500	Sleeve/10	10
	<b>4</b>	C7	Cand.	<b>S3680</b>	4C7	120	Clear	2 1/8	C-7A	16	3000	Bulk
<b>S4724</b>				4C7	120	Clear	2 1/8	C-7A	16	3000	CD/4	48/12
<b>S3681</b>				4C7/W	120	White	2 1/8	C-7A	8	3000	Bulk	2000/50
<b>5</b>	C7	Cand.	<b>S4520</b> ■	5C7	120	Silicone Tail	2 1/2	C-7A	10	1000	CD/2	144/12
<b>6</b>	S6	Cand.	<b>S4568</b> ■	6S6/6V	6	Clear	1 7/8	C-6	40	1500	Sleeve/10	10
			<b>S4569</b> ■	6S6/12V	12	Clear	1 7/8	C-6	40	1500	Sleeve/10	10
			<b>S4570</b> ■	6S6/24V	24	Clear	1 7/8	C-6	40	1500	Sleeve/10	10
			<b>S4571</b> ■	6S6/48V	48	Clear	1 7/8	C-6	40	1500	Sleeve/10	10
			<b>S3900</b>	6S6	130	Clear	1 7/8	C-7A	30	2500	Sleeve/10	120/10
			<b>S4717</b>	6S6	130	Clear	1 7/8	C-7A	30	2500	CD/2	120/12
			DC Bay.	<b>S3901</b>	6S6/DC	130	Clear	1 7/8	C-7A	30	2500	Sleeve/10
Cand.	<b>S4572</b> ■	6S6/230V	230	Clear	1 7/8	C-7A	25	1500	Sleeve/10	10		
<b>7</b>	C7	Cand.	<b>S3691</b>	7C7	120	Clear	2 1/8	C-7A	35	3000	Bulk	2000/25
			<b>S3791</b>	7C7	120	Clear	2 1/8	C-7A	35	3000	CD/2	400/20
			<b>S4725</b>	7C7	120	Clear	2 1/8	C-7A	35	3000	CD/4	48/12
			<b>S3902</b>	7C7	130	Clear	1 7/8	C-7A	35	2500	Sleeve/10	120/10
			<b>S3692</b>	7C7/W	120	White	2 1/8	C-7A	28	3000	Bulk	2000/25
			<b>S3792</b>	7C7/W	120	White	2 1/8	C-7A	28	3000	CD/2	400/20
			<b>S4726</b>	7C7/W	120	White	2 1/8	C-7A	28	3000	CD/4	48/12
CA10	Cand.	<b>S3866</b>	7CA10/12V	12	Clear	4 1/4	CC-2V	65	1500	Box	500/25	

NOTE: When using a 130 Volt lamp on a 120 Volt line, life is extended approximately 2.5 times and lumens are reduced approximately 20%.



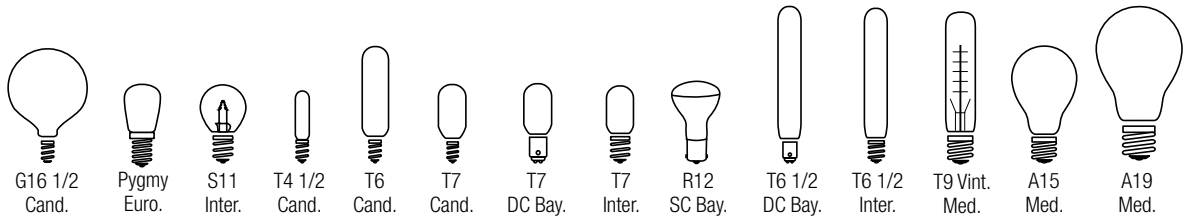
Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Carton
<b>7.5</b>	BA9 1/2	Cand.	<b>S4994</b>	7 1/2BA9 1/2	120	Clear	3 1/2	C-7A	37	3000	Bulk	500/25
	C-9 1/2	Cand.	<b>S4988</b>	7 1/2C-9 1/2	120	Clear	3 1/2	C-7A	37	3000	Bulk	500/25
	CA5	Cand.	<b>S3241</b>	7 1/2CA5	120	Clear	2 7/8	C-7A	40	1500	Box	2000/50
			<b>S3242</b>	7 1/2CA5/F	120	Frost	2 7/8	C-7A	35	1500	Box	2000/50
			<b>S3243</b>	7 1/2CA5/FY	120	Yellow	2 7/8	C-7A	35	1500	Box	2000/50
	S11	Med.	<b>S3606</b>	7 1/2S11	120	Clear	2 1/4	C-7A	40	2500	Sleeve	1000/25
			<b>S3794</b>	7 1/2S11	120	Clear	2 1/4	C-7A	40	2500	CD/1	240/20
			<b>S3607</b>	7 1/2S11/W	120	Gloss White	2 1/4	C-7A	20	2500	Sleeve	1000/25
			<b>S3795</b>	7 1/2S11/W	120	Gloss White	2 1/4	C-7A	20	2500	CD/1	240/20
			<b>S3608</b>	7 1/2S11/B	120	Cer. Blue	2 1/4	C-7A	–	2500	Sleeve	1000/25
			<b>S4508</b>	7 1/2S11/B	120	Cer. Blue	2 1/4	C-7A	–	2500	CD/1	120/10
			<b>S3609</b>	7 1/2S11/G	120	Cer. Green	2 1/4	C-7A	–	2500	Sleeve	1000/25
			<b>S4509</b>	7 1/2S11/G	120	Cer. Green	2 1/4	C-7A	–	2500	CD/1	120/10
			<b>S3610</b>	7 1/2S11/O	120	Cer. Orange	2 1/4	C-7A	–	2500	Sleeve	1000/25
			<b>S4510</b>	7 1/2S11/O	120	Cer. Orange	2 1/4	C-7A	–	2500	CD/1	120/10
			<b>S3611</b>	7 1/2S11/R	120	Cer. Red	2 1/4	C-7A	–	2500	Sleeve	1000/25
	<b>S4511</b>	7 1/2S11/R	120	Cer. Red	2 1/4	C-7A	–	2500	CD/1	120/10		
	<b>S4512</b>	7 1/2S11/Y	120	Cer. Yellow	2 1/4	C-7A	–	2500	CD/1	120/10		
	<b>10</b>	C7	Cand.	<b>S3903</b>	10C7	130	Clear	2 1/8	C-7A	60	2500	Sleeve/10
DC Bay.			<b>S3904</b>	10C7/DC	130	Clear	2 1/8	C-7A	60	2500	Sleeve/10	120/10
CA7		Cand.	<b>S3272</b>	10CA7	120	Clear	3	C-7A	80	1500	Box	1000/25
			<b>S3276</b>	10CA7/F	120	Frost	3	C-7A	70	1500	Box	1000/25
G8		Cand.	<b>S3864</b>	10G8/W	120	Gloss White	1 7/8	C-7A	50	1500	Box	1000/25
G12 1/2 Pear		Cand.	<b>S3844</b>	10G12 1/2	120	Clear	2 3/8	C-7A	60	1500	Box	500/25
			<b>S3830</b>	10G12 1/2/W	120	Satin White	2 3/8	C-7A	50	1500	Box	500/25
G12 1/2		Cand.	<b>S3836</b>	10G12 1/2/A	120	Trans. Amber	2 3/8	C-7A	–	1500	Box	500/25
			<b>S3834</b>	10G12 1/2/B	120	Trans. Blue	2 3/8	C-7A	–	1500	Box	500/25
			<b>S3835</b>	10G12 1/2/G	120	Trans. Green	2 3/8	C-7A	–	1500	Box	500/25
			<b>S3837</b>	10G12 1/2/PK	120	Trans. Pink	2 3/8	C-7A	–	1500	Box	500/25
			<b>S3833</b>	10G12 1/2/R	120	Trans. Red	2 3/8	C-7A	–	1500	Box	500/25
S11		Inter.	<b>S3621</b>	10S11/N	120	Clear	2 3/8	C-7A	80	1500	Box	600/10
			<b>S3622</b>	10S11/N/F	120	Frost	2 3/8	CC-2V	80	1500	Box	600/10

NOTE: When using a 130 Volt lamp on a 120 Volt line, life is extended approximately 2.5 times and lumens are reduced approximately 20%.



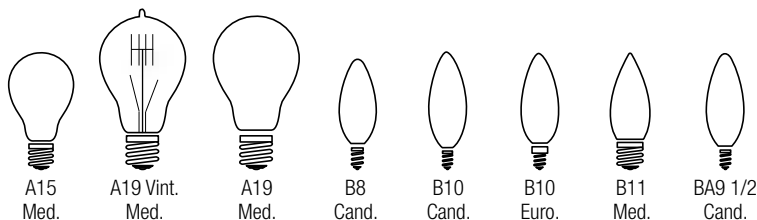
Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Carton
<b>11</b>	S14	Med.	<b>S3965</b>	11S14	130	Clear	3 ½	CC-9	80	2500	Sleeve/4	120/4
			<b>S4565</b>	11S14	130	Clear	3 ½	CC-9	80	2500	CD/1	120/10
			<b>S3966</b>	11S14/F	130	Frost	3 ½	CC-9	65	2500	Sleeve/4	120/4
			<b>S4566</b>	11S14/F	130	Frost	3 ½	CC-9	65	2500	CD/1	120/10
			<b>S3963</b>	11S14/B	130	Cer. Blue	3 ½	CC-9	–	2500	Sleeve/4	120/4
			<b>S4563</b>	11S14/B	130	Cer. Blue	3 ½	CC-9	–	2500	CD/1	120/10
			<b>S3962</b>	11S14/G	130	Cer. Green	3 ½	CC-9	–	2500	Sleeve/4	120/4
			<b>S4562</b>	11S14/G	130	Cer. Green	3 ½	CC-9	–	2500	CD/1	120/10
			<b>S3964</b>	11S14/O	130	Cer. Orange	3 ½	CC-9	–	2500	Sleeve/4	120/4
			<b>S4564</b>	11S14/O	130	Cer. Orange	3 ½	CC-9	–	2500	CD/1	120/10
			<b>S3961</b>	11S14/R	130	Cer. Red	3 ½	CC-9	–	2500	Sleeve/4	120/4
			<b>S4561</b>	11S14/R	130	Cer. Red	3 ½	CC-9	–	2500	CD/1	120/10
			<b>S3960</b>	11S14/Y	130	Cer. Yellow	3 ½	CC-9	–	2500	Sleeve/4	120/4
			<b>S4560</b>	11S14/Y	130	Cer. Yellow	3 ½	CC-9	–	2500	CD/1	120/10
<b>15</b>	A15	Med.	<b>S3948</b>	15A15	130	Clear	3 ½	C-9	100	2500	Sleeve/2	120/2
			<b>S3949</b>	15A15/F	130	Frost	3 ½	C-9	100	2500	Sleeve/2	120/2
	B8	Cand.	<b>S3345</b>	15B8/Petite	130	Clear	3	C-7A	114	1500	Box	500/25
			<b>S3230</b>	15BA9 1/2	120	Clear	3 ½	C-7A	114	1500	Box	500/25
					120	Frost	3 ½	C-7A	114	1500	Box	500/25
	BA9 1/2	Cand.	<b>A3620</b>	15BA9 1/2	130	Clear	3 ½	C-7A	114	2500	Box	500/25
			<b>S3273</b>	15CA8	120	Clear	3 5/8	C-7A	100	1500	Box	500/25
					120	Clear	3 5/8	C-7A	100	1500	CD/2	120/10
					130	Clear	3 5/8	C-7A	95	2500	Box	500/25
	CA8	Cand.	<b>S3277</b>	15CA8/F	120	Frost	3 5/8	C-7A	95	1500	Box	500/25
			<b>S3777</b>	15CA8/F	120	Frost	3 5/8	C-7A	95	1500	CD/2	120/10
			<b>A3677</b>	15CA8/F	130	Frost	3 5/8	C-7A	90	2500	Box	500/25
			CA10	Cand.	<b>S3867</b>	15CA10/12V	12	Clear	4 ¼	CC-2V	150	1500
	F10	Cand.			<b>S3360</b>	15F10	120	Clear	3 1/16	C-7A	110	1500
			<b>S2760</b>	15F10	120	Clear	3 1/16	C-7A	110	1500	CD/2	120/12
			<b>S3361</b>	15F10/W	120	White	3 1/16	C-7A	90	1500	Box	500/25
			<b>S2761</b>	15F10/W	120	White	3 1/16	C-7A	90	1500	CD/2	120/2
	G12 1/2	Cand.	<b>S3845</b>	15G12 1/2	120	Clear	2 3/8	C-7A	100	1500	Box	500/25
	G12 1/2 Pear	Cand.	<b>S3879</b>	15G12 1/2/W	120	Satin White	2 3/8	C-7A	100	1500	Box	500/25
			<b>S3750</b>	15G12 1/2/W	120	Satin White	2 3/8	C-7A	100	1500	CD/2	120/10

NOTE: When using a 130 Volt lamp on a 120 Volt line, life is extended approximately 2.5 times and lumens are reduced approximately 20%.



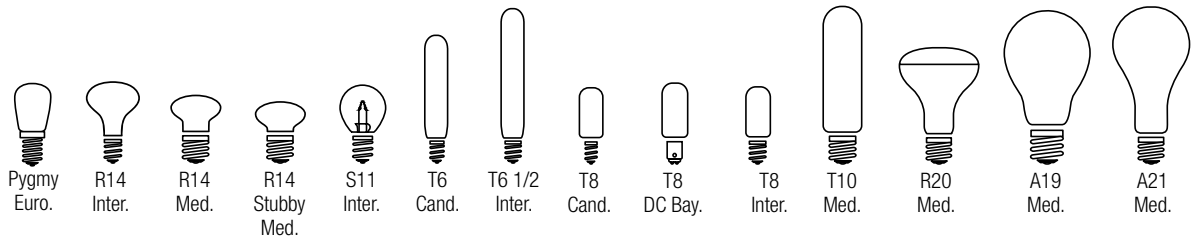
Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Carton	Notes
<b>15</b>	G16 1/2	Cand.	<b>S3821</b>	15G16 1/2	120	Clear	3	C-7A	114	1500	Box	500/25	
			<b>S3726</b>	15G16 1/2	120	Clear	3	C-7A	114	1500	CD/2	120/10	
			<b>S3824</b>	15G16 1/2/W	120	Satin White	3	C-7A	94	1500	Box	500/25	
			<b>S3752</b>	15G16 1/2/W	120	Satin White	3	C-7A	94	1500	CD/2	120/10	
			<b>A3921</b>	15G16 1/2	130	Clear	3	C-7A	98	2500	Box	500/25	
			<b>A3924</b>	15G16 1/2/W	130	Satin White	3	C-7A	83	2500	Box	500/25	
	Pygmy	Euro.	<b>S7939</b>	15T8/120V/E14	120	Clear	2 ¼	C-5A	100	1000	Box	25	
			<b>S7941</b>	15T8/220V/E14	220	Clear	2 ¼	C-5A	100	1000	Box	25	
			<b>S7945</b>	15E14/130V/Oven	130	Clear	2	-	-	10000	Box	1000/50	
	S11	Inter.	<b>S3628</b>	15S11/N	120	Clear	2 3/8	C-7A	100	1500	Box	600/10	
	T4 1/2	Cand.	<b>S3913</b>	15T4 1/2/C	130	Clear	1 ½	C-7A	90	1000	Sleeve/10	10	5
	T6	Cand.	<b>S3315</b>	15T6/F	120	Frost	4	C-5A	90	2500	Sleeve	500/25	5
			<b>S3715</b>	15T6/F	120	Frost	4	C-5A	90	2500	CD/2	72/6	5
			<b>S3910</b>	15T6	130	Clear	3 1/16	C-5A	95	2500	Sleeve/10	120/10	
			<b>S3912</b>	15T6/145V	145	Clear	3 1/16	C-5A	90	2000	Sleeve/10	120/10	
			<b>S4727</b>	15T6/145V	145	Clear	3 1/16	C-5A	90	2000	CD/1	120/10	
	T7	Cand.	<b>S3905</b>	15T7C	130	Clear	2 ¼	C-5A	95	2500	Sleeve/10	120/10	
			<b>S4718</b>	15T7C	130	Clear	2 ¼	C-5A	95	2500	CD/1	120/12	
		DC Bay.	<b>S3906</b>	15T7/DC	130	Clear	2 ¼	C-5A	95	2500	Sleeve/10	120/10	
			<b>S4719</b>	15T7/DC	130	Clear	2 ¼	C-5A	95	2500	CD/1	120/12	
		Inter.	<b>S3911</b>	15T7/N	130	Clear	2 ¼	C-5A	95	2500	Sleeve/10	120/10	
<b>S4722</b>			15T7/N	130	Clear	2 ¼	C-5A	95	2500	CD/1	120/12		
<b>20</b>	R12	SC Bay.	<b>S1383</b>	1383	13	-	2 5/8	C-6	-	300	Box	10	
			<b>Shatter Proof S3618</b>	1383/TF	13	-	2 5/8	C-6	-	300	Box	10	
	T6 1/2	DC Bay.	<b>S3297</b>	20T6 1/2DC	130	Clear	5 3/8	C-6	150	1500	Box	500/25	
			<b>S3298</b>	20T6 1/2DC/F	130	Frost	5 3/8	C-6	140	1500	Box	500/25	
		Inter.	<b>S3280</b>	20T6 1/2N	130	Clear	5 3/8	C-6	150	1500	Box	500/25	
	<b>S3281</b>		20T6 1/2N/F	130	Frost	5 3/8	C-6	140	1500	Box	500/25		
	T9	Med.	<b>S2415</b>	20T9/CL/120V/Vint.	120	Clear	5 ½	Hairpin	80	3000	Box	48/6	
<b>25</b>	A15	Med.	<b>S3814</b>	25A15/CL	130	Clear	3 ½	C-9	150	2500	Box	500/25	
			<b>S3815</b>	25A15/F	130	Frost	3 ½	C-9	150	2500	Box	500/25	
			<b>Shatter Proof S4880</b>	25A15/TF	130	Frost	3 ½	C-9	120	2500	Box	500/25	4
			<b>S5010</b>	25A19/F/12V	12	Frost	4 1/8	C-6	250	1500	Box	120/6	
	A19	Med.	<b>S5020</b>	25A19/F/34V	34	Frost	4 1/8	C-6	250	1500	Box	120/6	
			<b>S6040</b>	25A19/CL	120	Clear	4 1/8	C-9	185	1500	2pk	120	
			<b>S3940</b>	25A19/CL	130	Clear	4 1/8	CC-6	170	2500	2pk	120	

NOTE: When using a 130 Volt lamp on a 120 Volt line, life is extended approximately 2.5 times and lumens are reduced approximately 20%.



Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Carton	Notes
25	A19	Med.	S3950	25A19/F	130	Frost	4 1/8	CC-6	180	2500	2pk	120	
			S6050	25A19/F	120	Frost	4 1/8	C-9	180	1500	2pk	120	
			S2411	25A19/CL/120V Vint.	120	Clear	4 1/2	Quad Loop	100	3000	Box	48/6	
			S6092	25A/B	130	Cer. Blue	4 1/8	C-9	-	1000	Sleeve	24/12	
			S6091	25A/G	130	Cer. Green	4 1/8	C-9	-	1000	Sleeve	24/12	
			S6090	25A/R	130	Cer. Red	4 1/8	C-9	-	1000	Sleeve	24/12	
			S6093	25A/Y	130	Cer. Yellow	4 1/8	C-9	-	1000	Sleeve	24/12	
			S6082	25A/TB	130	Trans. Blue	4 1/8	C-9	-	2000	Sleeve	24/12	
			S6081	25A/TG	130	Trans. Green	4 1/8	C-9	-	2000	Sleeve	24/12	
			S6080	25A/TR	130	Trans. Red	4 1/8	C-9	-	2000	Sleeve	24/12	
	S6083	25A/TY	130	Trans. Yellow	4 1/8	C-9	-	2000	Sleeve	24/12			
	B8	Cand.	S3346	25B8/Petite	130	Clear	3	CC-2V	212	1500	Box	500/25	
	B10	Cand.	S3386	25B10/220V	220	Clear	3 3/4	CC-2F	200	1000	Box	500/25	
		Euro.	S3393	25B10/220V	220	Clear	3 3/4	CC-2F	200	1000	Box	500/25	
	B11	Med.	S3231	25B11	120	Clear	3 7/8	CC-2V	210	1500	Box	500/25	
			S3731	25B11	120	Clear	3 7/8	CC-2V	210	1500	CD/2	120/10	
			S3234	25B11/F	120	Frost	3 7/8	CC-2V	200	1500	Box	500/25	
			S3734	25B11/F	120	Frost	3 7/8	CC-2V	200	1500	CD/2	120/10	
			S3237	25B11/W	120	White	3 7/8	CC-2V	150	1500	Box	500/25	
S3737			25B11/W	120	White	3 7/8	CC-2V	150	1500	CD/2	120/10		
A3631			25B11	130	Clear	3 7/8	CC-2V	210	2500	Box	500/25		
A3634			25B11/F	130	Frost	3 7/8	CC-2V	200	2500	Box	500/25		
A3637			25B11/W	130	White	3 7/8	CC-2V	160	2500	Box	500/25		
BA9 1/2			Cand.	S3282	25BA9 1/2	120	Clear	3 1/2	CC-2V	212	1500	Box	500/25
	S3782	25BA9 1/2		120	Clear	3 1/2	CC-2V	212	1500	CD/2	120/10		
	S4995	KR25BA9 1/2		120	Clear	3 7/8	CC-2V	212	2500	Box	500/25	1	
	A3682	25BA9 1/2		130	Clear	3 1/2	CC-2V	193	2500	Box	500/25		
	S3285	25BA9 1/2/F		120	Frost	3 1/2	CC-2V	212	1500	Box	500/25		
	S3785	25BA9 1/2/F		120	Frost	3 1/2	CC-2V	212	1500	CD/2	120/10		
	A3685	25BA9 1/2/F		130	Frost	3 1/2	CC-2V	193	2500	Box	500/25		
	S3288	25BA9 1/2/W		120	Gloss White	3 1/2	CC-2V	180	1500	Box	500/25		
	S3788	25BA9 1/2/W		120	Gloss White	3 1/2	CC-2V	180	1500	CD/2	120/10		
	A3688	25BA9 1/2/W		130	Gloss White	3 1/2	CC-2V	163	2500	Box	500/25		
S3813	25BA9 1/2/A	120	Trans. Amber	3 1/2	CC-2V	-	1500	Box	500/25				
S3218	25BA9 1/2/B	120	Trans. Blue	3 1/2	CC-2V	-	1500	Box	500/25				
S3219	25BA9 1/2/R	120	Trans. Red	3 1/2	CC-2V	-	1500	Box	500/25				

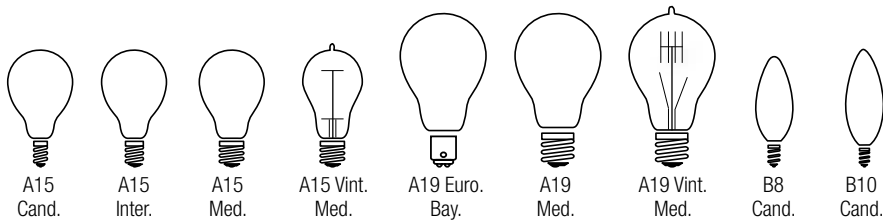
NOTE: When using a 130 Volt lamp on a 120 Volt line, life is extended approximately 2.5 times and lumens are reduced approximately 20%.



Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Master/ Inner Carton
<b>25</b>	Pygmy	Euro.	<b>S7940</b>	25T8/120V/E14	120	Clear	2 ¼	C-5A	180	1000	Box	25
			<b>S7942</b>	25T8/220V/E14	220	Clear	2 ¼	C-5A	200	1000	Box	25
	R14	Inter.	<b>S3205</b>	25R14N	120	Frost	2 5/8	CC-2V	135	1500	Box	500/25
			<b>S4700</b>	25R14N	120	Frost	2 5/8	CC-2V	135	1500	CD/1	120/10
	Med.		<b>S3604</b>	25R14	120	Frost	2 5/8	CC-2V	135	1500	Box	500/25
			<b>S4704</b>	25R14	120	Clear	2 5/8	CC-2V	135	1500	CD/1	120/10
	R14 Stubby		<b>S3601</b>	25R14	120	Clear	2 ¼	CC-2V	135	1500	Box	500/25
	S11	Inter.	<b>S3630</b>	25S11/N	-	Clear	2 3/8	CC-2V	210	1500	Box	600/10
			<b>S3718</b>	25S11/CL/E17/CD	120	Clear	2 ½	CC-2V	220	1500	CD/1	120/10
	T6	Cand.	<b>S3714</b>	25T6/CL/E12/CD	120	Clear	3 1/8	C-5A	180	2000	CD/1	120/10
	T6 1/2	DC Bay.	<b>S3248</b>	25T6 1/2/DC	130	Clear	5 3/8	C-8	180	1500	Box	500/25
			<b>S3711</b>	25T6 1/2/DC	130	Clear	5 3/8	C-8	180	1500	CD/1	120/10
			<b>S3249</b>	25T6 1/2/DC/F	130	Frost	5 3/8	C-8	170	1500	Box	500/25
			<b>S3713</b>	25T6 1/2/DC/F	130	Frost	5 3/8	C-8	170	1500	CD/1	120/10
		Inter.	<b>S3222</b>	25T6 1/2N	130	Clear	5 3/8	C-8	180	1500	Box	500/25
			<b>S3709</b>	25T6 1/2N	130	Clear	5 3/8	C-8	180	1500	CD/1	120/10
			<b>S3223</b>	25T6 1/2N/F	130	Frost	5 3/8	C-8	170	1500	Box	500/25
			<b>S3708</b>	25T6 1/2N/F	130	Frost	5 3/8	C-8	170	1500	CD/1	120/10
	T8	Cand.	<b>S3907</b>	25T8/C	130	Clear	2 5/8	C-5A	190	2500	Sleeve/10	120/10
			<b>S3909</b>	25T8/DC	130	Clear	2 5/8	C-5A	190	2500	Sleeve/10	120/10
		DC Bay.	<b>S4721</b>	25T8/DC	130	Clear	2 5/8	C-5A	190	2500	CD/1	120/12
			Inter.	<b>S3908</b>	25T8/N	130	Clear	2 5/8	C-5A	190	2500	Sleeve/10
	T10	Med.	<b>S4720</b>	25T8/N	130	Clear	2 5/8	C-5A	190	2500	CD/1	120/12
			<b>S3250</b>	25T10	120	Clear	5	C-5V	200	2000	Box	500/25
<b>S3700</b>			25T10	120	Clear	5	C-5V	200	2000	CD/1	120/10	
<b>S3251</b>			25T10/F	120	Frost	5	C-5V	200	2000	Box	500/25	
<b>30</b>	R20	Med.	<b>S3210</b>	30R20	120	Frost	4	CC-9	185	2000	Sleeve	96/12
			<b>S2810</b>	30R20	130	Frost	4	CC-9	185	2000	Sleeve	96/12
<b>30/70/100</b>	A19	Med.	<b>S1824</b>	30/100A19/W Reduced Size	120	White	4 1/8	CC-8	280/680/960	2500	Sleeve	36/12
	A21	Med.	<b>S1820</b>	30/100A21/W	120	White	5 1/16	CC-2V/C-9	280/680/960	2500	Sleeve	36/12

NOTE: When using a 130 Volt lamp on a 120 Volt line, life is extended approximately 2.5 times and lumens are reduced approximately 20%.





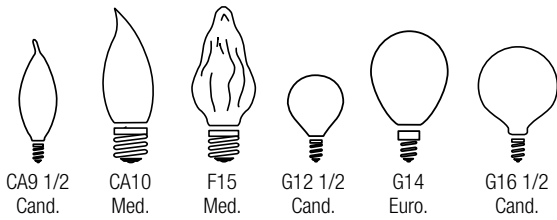
Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Carton	Notes	
<b>40</b>	A15	Cand.	<b>S2740</b>	40A15/CL/E12	120	Clear	3 3/8	C-9	420	1000	CD/2	120/10		
			<b>S4160</b>	40A15/CL/E12	130	Clear	3 3/8	C-9	420	1000	Box	500/25		
			<b>S2741</b>	40A15/F/E12	120	Frost	3 3/8	C-9	420	1000	CD/2	120/10		
			<b>S4161</b>	40A15/F/E12	130	Frost	3 3/8	C-9	420	1000	Box	500/25		
			Inter.	<b>S2744</b>	40A15/CL/E17	120	Clear	3 3/8	C-9	420	1000	CD/2	120/10	
				<b>S4164</b>	40A15/CL/E17	130	Clear	3 3/8	C-9	420	1000	Box	500/25	
				<b>S2745</b>	40A15/F/E17	120	Frost	3 3/8	C-9	420	1000	CD/2	120/10	
				<b>S4165</b>	40A15/F/E17	130	Frost	3 3/8	C-9	420	1000	Box	500/25	
			Med.	<b>S3989</b>	40A15/230V ECONOBRITE	230	White	3 1/2	C-9	280	2500	Box	500/25	
				<b>S3720</b>	40A15/CL	130	Clear	3 1/2	C-9	290	2500	CD/1	240/20	
	<b>S3810</b>	40A15/CL		130	Clear	3 1/2	C-9	290	2500	Box	500/25			
	<b>S3721</b>	40A15/F		130	Frost	3 1/2	C-9	280	2500	CD/1	240/20			
	<b>S3811</b>	40A15/F		130	Frost	3 1/2	C-9	280	2500	Box	500/25			
	<b>S4881</b>	40A15/TF		130	Frost	3 1/2	C-9	265	2500	Box	500/25	4		
	A19	Med.	<b>S2424</b>	40A15/CL/11S/120V/Vint.	130	Clear	3 5/8	Cage Style	160	3000	Box	50/10		
			<b>S4076</b>	40A19/W/230V	230	White	4 1/8	C-9	327	1000	Box	120		
			<b>S3941</b>	40A19/CL/VS	130	Clear	4 1/8	C-9	300	2500	2pk	120		
			<b>S2412</b>	40A19/CL/120V/Vint.	120	Clear	4 1/2	Quad Loop	160	3000	Box	48/6		
			<b>S4981</b>	40A/B	130	Cer. Blue	4 1/8	C-9	-	2000	Sleeve	24/12		
			<b>S4982</b>	40A/G	130	Cer. Green	4 1/8	C-9	-	2000	Sleeve	24/12		
<b>S4980</b>			40A/R	130	Cer. Red	4 1/8	C-9	-	2000	Sleeve	24/12			
<b>S4983</b>			40A/Y	130	Cer. Yellow	4 1/8	C-9	-	2000	Sleeve	24/12			
<b>S3859</b>			40A/Bug	130	Yellow	4 1/8	C-9	-	2000	2pk	24			
B8			Cand.	<b>S3347</b>	40B8/Petite	130	Clear	3	CC-2V	384	1500	Box	500/25	
B10	Cand.	<b>S2971 n</b>	40B10/VLX	120	Full Spec.	3 7/8	CC-2V	370	2000	CD/1	50/10	3		
		<b>S3387</b>	40B10/220V	220	Clear	3 3/4	CC-2F	330	1000	Box	500/25			
		<b>S3385</b>	40B10/F/220V	220	Frost	3 3/4	CC-2F	330	1000	Box	500/25			

NOTE: When using a 130 Volt lamp on a 120 Volt line, life is extended approximately 2.5 times and lumens are reduced approximately 20%.



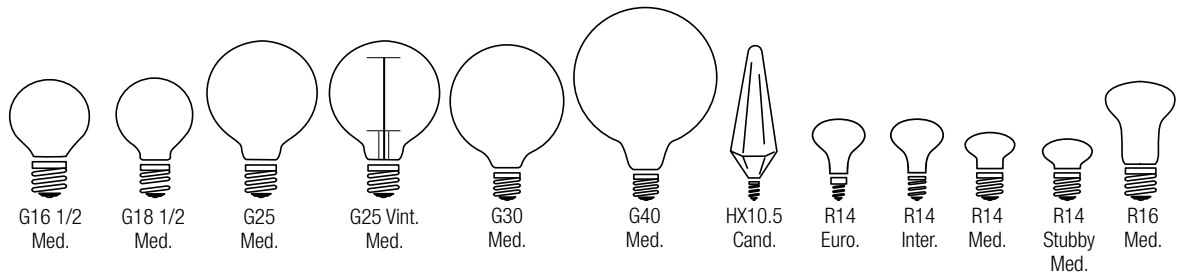
Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Carton	Notes	
<b>40</b>	B10	Euro.	<b>S3394</b>	40B10/220V	220	Clear	3 ¾	CC-2F	330	1000	Box	500/25		
	B10/B11	Med.	<b>S3232</b>	40B11	120	Clear	3 7/8	CC-2V	370	1500	Box	500/25		
			<b>S3732</b>	40B11	120	Clear	3 7/8	CC-2V	370	1500	CD/2	120/10		
			<b>A3632</b>	40B11	130	Clear	3 7/8	CC-2V	370	2500	Box	500/25		
			<b>S4740</b>	40B10/FAN	120	Clear	3 7/8	CC-2V	300	2000	CD/2	120/12		
			<b>S4742</b>	40B10/FAN/F	120	Frost	3 7/8	CC-2V	300	2000	CD/2	120/12		
			<b>S3235</b>	40B11/F	120	Frost	3 7/8	CC-2V	360	1500	Box	500/25		
			<b>S3735</b>	40B11/F	120	Frost	3 7/8	CC-2V	360	1500	CD/2	120/10		
			<b>A3635</b>	40B11/F	130	Frost	3 7/8	CC-2V	360	2500	Box	500/25		
			<b>S3238</b>	40B11/W	120	White	3 7/8	CC-2V	330	1500	Box	500/25		
			<b>S3738</b>	40B11/W	120	White	3 7/8	CC-2V	330	1500	CD/2	120/10		
			<b>A3638</b>	40B11/W	130	White	3 7/8	CC-2V	320	2500	Box	500/25		
			<b>S3384</b>	40B11/220V	220	Clear	3 7/8	CC-2F	330	1000	Box	500/25		
		BA9 1/2	Cand.	<b>S3283</b>	40BA9 1/2	120	Clear	3 ½	CC-2V	384	1500	Box	500/25	
				<b>S3783</b>	40BA9 1/2	120	Clear	3 ½	CC-2V	384	1500	CD/2	120/10	
				<b>S4996</b>	KR40BA9 1/2	120	Clear	3 7/8	CC-2V	380	2500	Box	500/25	1
				<b>A3683</b>	40BA9 1/2	130	Clear	3 ½	CC-2V	384	2500	Box	500/25	
				<b>S3286</b>	40BA9 1/2/F	120	Frost	3 ½	CC-2V	384	1500	Box	500/25	
				<b>S3786</b>	40BA9 1/2/F	120	Frost	3 ½	CC-2V	384	1500	CD/2	120/10	
				<b>A3686</b>	40BA9 1/2/F	130	Frost	3 ½	CC-2V	384	2500	Box	500/25	
				<b>S3289</b>	40BA9 1/2/W	120	White	3 ½	CC-2V	328	1500	Box	500/25	
				<b>S3789</b>	40BA9 1/2/W	120	White	3 ½	CC-2V	328	1500	CD/2	120/10	
				<b>A3689</b>	40BA9 1/2/W	130	White	3 ½	CC-2V	328	2500	Box	500/25	
				<b>S3725</b>	40BA9 1/2/DIA	120	Crystal	3 7/8	CC-2V	370	1500	CD/2	120/10	
				<b>S3818</b>	40BA9 1/2/A	120	Trans. Amber	3 ½	CC-2V	–	1500	Box	500/25	
			Euro.	<b>S3391</b>	40BA9 1/2	120	Clear	3 ½	CC-2V	370	1500	Box	500/25	
				<b>S4712</b>	40BA9 1/2	120	Clear	3 ½	CC-2V	370	1500	CD/2	120/10	
				<b>S3381</b>	40BA9 1/2/F	120	Frost	3 ½	CC-2V	370	1500	Box	500/25	
				<b>S4715</b>	40BA9 1/2/F	120	Frost	3 ½	CC-2V	370	1500	CD/2	120/10	
		C11	Cand.	<b>S3404</b>	40C11	120	Satin Spun	4	C-7A	316	4000	Box	500/25	
				<b>S2704</b>	40C11	120	Satin Spun	4	C-7A	316	4000	CD/1	120/12	
		C15	Med.	<b>S3414</b>	40C15	120	Satin Spun	4 ½	C-7A	316	4000	Box	300/25	
			<b>S2714</b>	40C15	120	Satin Spun	4 ½	C-7A	316	4000	CD/1	120/12		
			<b>S3416</b>	40C15/A	120	Amber Spun	4 ½	C-7A	–	4000	Box	300/25		
			<b>S2716</b>	40C15/A	120	Amber Spun	4 ½	C-7A	–	4000	CD/1	120/12		

NOTE: When using a 130 Volt lamp on a 120 Volt line, life is extended approximately 2.5 times and lumens are reduced approximately 20%.



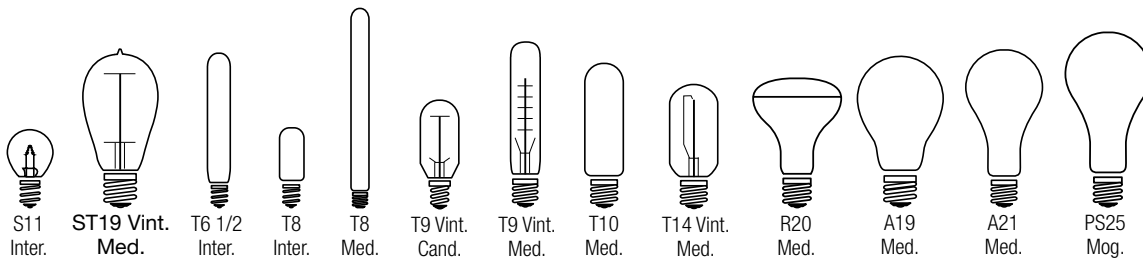
Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Carton	Notes	
40	CA9 1/2	Cand.	S3275	40CA9 1/2	120	Clear	3 7/8	CC-2V	370	1500	Box	500/25		
			S3775	40CA9 1/2	120	Clear	3 7/8	CC-2V	370	1500	CD/2	120/10		
			S4466	KR40CA9 1/2	120	Clear	3 15/16	CC-2V	380	2500	Box	500/25	1	
			A3675	40CA9 1/2	130	Clear	3 15/16	CC-2V	370	2500	Box	500/25		
			S3279	40CA9 1/2/F	120	Frost	3 15/16	CC-2V	384	1500	Box	500/25		
			S3779	40CA9 1/2/F	120	Frost	3 15/16	CC-2V	384	1500	CD/2	120/10		
	CA10	Med.	S3265	40CA10	120	Clear	4 ¼	CC-2V	370	1500	Box	500/25		
			S3765†	40CA10	120	Clear	4 ¼	CC-2V	370	1500	CD/2	120/10		
			A3665	40CA10	130	Clear	4 ¼	CC-2V	360	2500	Box	500/25		
			S3268	40CA10/F	120	Frost	4 ¼	CC-2V	360	1500	Box	500/25		
			S3768	40CA10/F	120	Frost	4 ¼	CC-2V	360	1500	CD/2	120/10		
			A3668	40CA10/F	130	Frost	4 ¼	CC-2V	360	2500	Box	500/25		
	F15	Med.	S3367	40F15	120	Clear	4 ½	CC-9	350	1500	Box	300/25		
			S2767	40F15	120	Clear	4 ½	CC-9	350	1500	CD/2	120/12		
			S2768	40F15/W	120	White	4 ½	CC-9	320	1500	CD/2	120/12		
			S3368	40F15/W	120	White	4 ½	CC-9	320	1500	Box	300/25		
			S3369	40F15/AU	120	Aurora	4 ½	CC-9	335	1500	Box	300/25		
			S2769	40F15/AU	120	Aurora	4 ½	CC-9	335	1500	CD/2	120/12		
S3370			40F15/A	120	Amber	4 ½	CC-9	–	1500	Box	300/25			
S2770			40F15/A	120	Amber	4 ½	CC-9	–	1500	CD/2	120/12			
G12 1/2	Cand.	S3847	40G12 1/2	120	Clear	2 3/8	C-7A	370	1500	Box	500/25			
		G14	Euro.	S3397	40G14	130	Clear	3 1/8	CC-9	370	1500	Box	500/25	
				S4707	40G14	130	Clear	3 1/8	CC-9	370	1500	CD/2	120/10	
				S3398	40G14/W	130	Gloss White	3 1/8	CC-9	330	1500	Box	500/25	
G16 1/2	Cand.	S4708	40G14/W	130	Gloss White	3 1/8	CC-9	330	1500	CD/2	120/10			
		S3823	40G16 1/2	120	Clear	3	CC-2V	384	1500	Box	500/25			
		S3728	40G16 1/2	120	Clear	3	CC-2V	384	1500	CD/2	120/10			
		A3923	40G16 1/2	130	Clear	3	CC-2V	360	2500	Box	500/25			
		S3754	40G16 1/2/W	120	Satin White	3	CC-2V	348	1500	CD/2	120/10			
		S3826	40G16 1/2/W	120	Satin White	3	CC-2V	348	1500	Box	500/25			
		A3926	40G16 1/2/W	130	Satin White	3	CC-2V	325	2500	Box	500/25			
		S3261	40G16 1/2/W	120	Gloss White	3	CC-2V	348	1500	Box	500/25			
S2974 ■	40G16 1/2/VLX	120	Full Spectrum	3	CC-2V	370	2000	CD/1	50/10	3				
S3245	40G16 1/2/SL	120	Silver Crown	3	CC-2V	384	1500	Box	500/25					

NOTE: When using a 130 Volt lamp on a 120 Volt line, life is extended approximately 2.5 times and lumens are reduced approximately 20%.



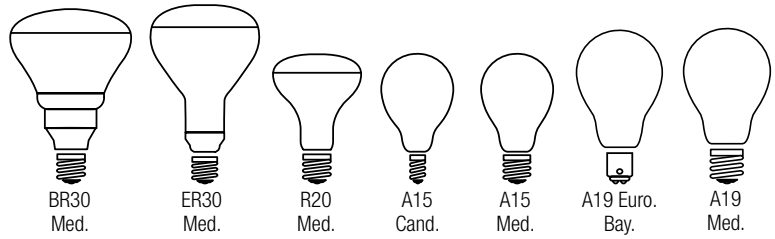
Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Carton	Notes
<b>40</b>	G16 1/2	Med.	<b>S3839</b>	40G16 1/2	120	Clear	3 1/4	CC-2V	370	1500	Box	500/25	
			<b>S4539</b>	40G16 1/2	120	Clear	3 1/4	CC-2V	370	1500	CD/1	120/10	
			<b>S3842</b>	40G16 1/2/W	120	Gloss White	3 1/4	CC-2V	330	1500	Box	500/25	
			<b>S4542</b>	40G16 1/2/W	120	Gloss White	3 1/4	CC-2V	330	1500	CD/1	500/25	
	G18 1/2	Med.	<b>S3888</b>	40G18 1/2	120	Clear	3 1/2	C-9	340	1500	Box	250/25	
			<b>S3828</b>	40G18 1/2/W	120	Gloss White	3 1/2	C-9	300	1500	Box	250/25	
	G25	Med.	<b>S3448</b>	40G25	120	Clear	4 3/8	CC-9	360	3000	Box	72/6	
			<b>S4048</b>	40G25/3PK	120	Clear	4 3/8	CC-9	360	3000	3pk	40/3	
			<b>A3648</b>	40G25	130	Clear	4 3/8	CC-6	360	3000	Box	72/6	
			<b>A3644</b>	40G25/220V	220	Clear	4 3/8	CC-9	212	2500	Box	72/6	
			<b>S3441</b>	40G25/W	120	Gloss White	4 3/8	CC-6	320	3000	Box	72/6	
			<b>S4041</b>	40G25/W/3PK	120	Gloss White	4 3/8	CC-6	320	3000	3pk	40/3	
			<b>A3641</b>	40G25/W	130	Gloss White	4 3/8	CC-6	320	3000	Box	72/6	
			<b>A3645</b>	40G25/W/220V	220	Gloss White	4 3/8	CC-9	187	2500	Box	72/6	
			<b>S2425</b>	40G25/CL/15S/120V/Vint.	120	Clear	4 3/4	Cage Style	160	3000	Box	48/6	
			<b>S3861</b>	40G25/SL	120	Silver Crown	4 3/8	C-9	280	1500	Box	72/6	
	G30	Med.	<b>S3652</b>	40G30	120	Clear	5 1/8	CC-9	340	2500	Box	72/6	
			<b>S3671</b>	40G30/W	120	Gloss White	5 1/8	CC-9	300	2500	Box	72/6	
	G40	Med.	<b>S3011</b>	40G40	120	Clear	3/4	C-9	300	4000	Box	24/6	
			<b>S3001</b>	40G40/W	120	Gloss White	6 3/4	C-9	280	4000	Box	24/6	
	HX10.5	Cand.	<b>S3745</b>	40HX10 1/2	120	Clear	4 1/2	C-7A	360	1500	CD/2	120/12	
	R14	Euro.	<b>S3396</b>	40R14/E14	130	Clear	2 5/8	CC-2V	280	1500	Box	500/25	
			<b>S4706</b>	40R14/E14	130	Frost	2 5/8	CC-2V	280	1500	CD/1	120/10	
		Inter.	<b>S3215</b>	40R14N	120	Clear	2 5/8	CC-2V	300	1500	Box	500/25	
<b>S4701</b>			40R14N	120	Clear	2 5/8	CC-2V	280	1500	CD/1	120/10		
	Med.	<b>S3605</b>	40R14	120	Clear	2 5/8	CC-2V	280	1500	Box	500/25		
		<b>S4705</b>	40R14	120	Clear	2 5/8	CC-2V	280	1500	CD/1	120/10		
R14 Stubby	Med.	<b>S3602</b>	40R14	120	Clear	2 1/4	CC-2V	280	1500	Box	500/25		
R16	Med.	<b>S3214</b>	40R16	120	Frost	3 7/16	C-9	330	1500	Box	500/25		
		<b>S4702</b>	40R16	120	Frost	3 7/16	C-9	330	1500	CD/1	120/10		
R50	Euro.	<b>S3619</b>	40R50/E14	1250	Frost	3 7/16	C-9	300	1000	Box	500/25		

NOTE: When using a 130 Volt lamp on a 120 Volt line, life is extended approximately 2.5 times and lumens are reduced approximately 20%.



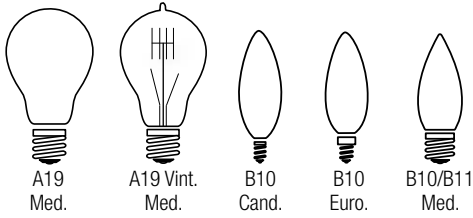
Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Carton	Notes
<b>40</b>	S11	Inter.	<b>S3629</b>	40S11/N	120	Clear	2 3/8	CC-2V	370	1500	Box	600/10	
			<b>S3729</b>	40S11/N	-	Clear	2 3/8	CC-2V	370	1500	CD/1	240/20	
	ST19	Med.	<b>S2413</b>	40ST19/CL/15S/120V/Vint.	120	Clear	5 1/4	Hairpin	160	3000	Box	48/6	
			<b>S2414</b>	40ST19/CL/9S/120V/Vint.	120	Clear	5 1/4	Hairpin	160	3000	Box	48/6	
	T6 1/2	Inter.	<b>S3224</b>	40T6 1/2/N	130	Clear	5 3/8	C-8	350	1500	Box	500/25	
			<b>S3710</b>	40T6 1/2/N	130	Clear	5 3/8	C-8	350	1500	CD/1	120/10	
			<b>S3225</b>	40T6 1/2/N/F	130	Frost	5 3/8	C-8	340	1500	Box	500/25	
			<b>S3712</b>	40T6 1/2/N/F	130	Frost	5 3/8	C-8	340	1500	CD/1	120/10	
	T8	Inter.	<b>S3917</b>	40T8N	130	Clear	2 5/8	CC-2V	360	2000	CD/1	120/10	
			<b>S2977</b> ■	40T8	130	Clear	12	C-8	265	2000	Box	10	
	T9	Cand.	<b>S2420</b>	40T9/GOLD/9S/E12/120V/Vint.	120	Clear Gold	3 1/2	Cage Style	160	3000	Box	50/10	
			<b>S2421</b>	40T9/CL/12S/120V/Vint.	120	Clear	7 5/16	Hairpin	160	3000	Box	50/10	
			<b>S2426</b>	40T9/CL/120V/Vint.	120	Clear	5 1/2	Hairpin	160	3000	Box	50/10	
	T10	Med.	<b>S3252</b>	40T10	120	Clear	5	C-5V	280	2000	Box	500/25	
			<b>S3702</b>	40T10	120	Clear	5	C-5V	280	2000	CD/1	120/10	
			<b>S3253</b>	40T10/F	120	Frost	5	C-5V	280	2000	Box	500/25	
			<b>S3703</b>	40T10/F	120	Frost	5	C-5V	280	2000	CD/1	120/10	
	T14	Med.	<b>S2417</b>	40T14/CL/15S/120V/Vint.	120	Clear	4 5/16	Cage Style	160	3000	Box	50/10	
			<b>S2416</b>	40T14/CL/32S/120V/Vint.	120	Clear	4 5/16	Spiral	160	3000	Box	50/10	
	<b>45</b>	R20	Med.	<b>S3229</b>	45R20	120	Frost	4	CC-9	330	2000	Sleeve	96/12
<b>S3849</b>				45R20	130	Frost	4	CC-9	330	2000	Sleeve	96/12	
<b>S8519</b>				45R20/5M	130	Frost	4	C-9	280	5000	Sleeve	60/12	
<b>50</b>	A19	Med.	<b>S5011</b>	50A19/F/12V	12	Frost	4 1/8	C-6	540	1500	Box	120/6	
			<b>S5021</b>	50A19/F/34V	34	Frost	4 1/8	C-6	540	1500	Box	120/6	
			<b>S3969</b>	50A/RS	130	Frost	4 1/8	C-11/5	380	2500	2pk	24	
<b>50/100/150</b>	A21	Med.	<b>S1821</b>	50/150A21/W	120	White	5 5/16	CC-2V/C-9	520/1050/1570	2500	Sleeve	36/12	
			<b>S4823</b> ■	50/150A21/VLX	120	Full Spectrum	5 5/16	C-9	350/ 910/1260	5000	Box	50/10	3
	PS25	Mog.	<b>S1825</b>	50/150PS25/F	120	Frost	6 3/4	CC-2V/C-9	550/1300/1850	2000	Box	36/12	
<b>50/200/250</b>	A21	Med.	<b>S1823</b>	50/250A21/W	120	White	5 5/16	C-9	640/3300/3940	1500	Sleeve	12	

NOTE: When using a 130 Volt lamp on a 120 Volt line, life is extended approximately 2.5 times and lumens are reduced approximately 20%.



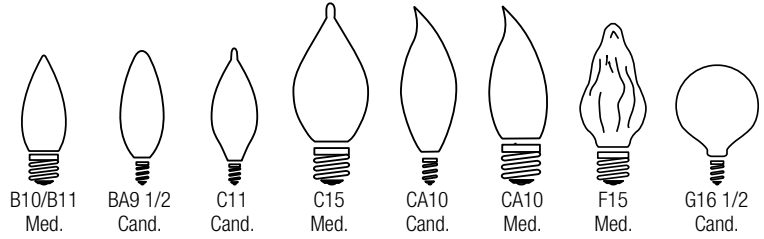
Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Carton	Notes
<b>50</b>	BR30	Med.	<b>S3259</b>	50BR30/FL	120	Frost	5 3/8	CC-9	360	2000	Sleeve	96/12	
	ER30	Med.	<b>S4956</b>	50ER30	130	Frost	6 1/8	CC-6	310	2000	Sleeve	24	
<b>Shatter Proof</b>	R20	Med.	<b>S4886</b>	50R20/TF	120	Frost	4	CC-9	300	2000	Sleeve	96/12	4
			<b>S3203</b>	50R20/A	130	Amber	4	CC-9	-	2000	Sleeve	96/12	
			<b>S3202</b>	50R20/B	130	Blue	4	CC-9	-	2000	Sleeve	96/12	
			<b>S3201</b>	50R20/G	130	Green	4	CC-9	-	2000	Sleeve	96/12	
			<b>S3212</b>	50R20/PK	130	Pink	4	CC-9	-	2000	Sleeve	96/12	
			<b>S3200</b>	50R20/R	130	Red	4	CC-9	-	2000	Sleeve	96/12	
			<b>S2850</b>	50R20/GRO	120	Plant	4	C-9	-	2000	Box	96/12	
			<b>60</b>	A15	Cand.	<b>S4162</b>	60A15/CL/E12	130	Clear	3 3/8	C-9	700	1000
<b>S2742</b>	60A15/CL/E12S	120	Clear			3 3/8	C-9	700	1000	CD/2	120/10		
	A15	Med.	<b>S4163</b>	60A15/F/E12	130	Frost	3 3/8	C-9	700	1000	Box	500/25	
			<b>S2743</b>	60A15/F/E12S	120	Frost	3 3/8	C-9	700	1000	CD/2	120/10	
	A15	Med.	<b>S3870 †</b>	60A15/CL	130	Clear	3 1/2	C-9	580	2500	Box	500/25	
			<b>S3739 †</b>	60A15/CL	130	Clear	3 1/2	C-9	580	2500	CD/1	240/20	
			<b>S3871 †</b>	60A15/F	130	Frost	3 1/2	C-9	570	2500	Box	500/25	
			<b>S3740 †</b>	60A15/F	130	Frost	3 1/2	C-9	570	2500	CD/1	240/20	
<b>Shatter Proof</b>			<b>S4882</b>	60A15/TF	130	Frost	3 1/2	C-9	570	2500	Box	500/25	4
	A19	Med.	<b>S4077</b>	60A19/W/230V	230	White	4 1/8	C-9	570	1000	Box	120	
			<b>S3942</b>	60A19/CL/VS	130	Clear	4 1/8	C-9	580	2500	2pk	120	

NOTE: When using a 130 Volt lamp on a 120 Volt line, life is extended approximately 2.5 times and lumens are reduced approximately 20%.



Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Carton	Notes		
60	A19	Med.	<b>S3952</b>	60A19/F/VS	130	Frost	4 1/8	C-9	580	2500	2pk	120			
			<b>S8522</b>	60A19/RS	130	Frost	4 1/8	C-11/5	440	5000	4pk	120			
			<b>Shatter Proof S3927</b>	60A/RS/TF/2PK	130	Frost	4 1/8	C-9	520	5000	2pk	12/2	4		
			<b>Shatter Proof S3930</b>	60A/RS/TF	130	Frost	4 1/8	C-9	520	5000	Box	12	4		
			<b>S3955</b>	60A/SL	130	Silver Crown	4 1/8	C-9	580	1500	Box	24			
			<b>S2419</b>	60A19/CL/120V/Vint.	120	Clear	4 1/2	Quad Loop	240	3000	Box	48/6			
			<b>S4985</b>	60A/B	130	Cer. Blue	4 1/8	C-9	–	2000	Sleeve	24/12			
			<b>S4986</b>	60A/G	130	Cer. Green	4 1/8	C-9	–	2000	Sleeve	24/12			
			<b>S4984</b>	60A/R	130	Cer. Red	4 1/8	C-9	–	2000	Sleeve	24/12			
			<b>S4987</b>	60A/Y	130	Cer. Yellow	4 1/8	C-9	–	2000	Sleeve	24/12			
			<b>S3938</b>	60A/Bug	130	Yellow	4 1/8	C-9	–	2000	2pk	24			
			B10	Cand.	<b>S3284</b>	60B10	120	Clear	3 3/4	CC-2V	672	1500	Box	500/25	
					<b>S3784</b>	60B10	120	Clear	3 3/4	CC-2V	672	1500	CD/2	120/10	
					<b>S4997</b>	KR60B10	120	Clear	3 7/8	CC-2V	720	2500	Box	500/25	1
					<b>A3684</b>	60B10	130	Clear	3 3/4	CC-2V	642	2500	Box	500/25	
					<b>S3287</b>	60B10/F	120	Frost	3 3/4	CC-2V	672	1500	Box	500/25	
<b>S3787</b>	60B10/F	120			Frost	3 3/4	CC-2V	672	1500	CD/2	120/10				
<b>A3687</b>	60B10/F	130			Frost	3 3/4	CC-2V	642	2500	Box	500/25				
<b>S3290</b>	60B10/W	120			White	3 3/4	CC-2V	630	1500	Box	500/25				
<b>S3790</b>	60B10/W	120			White	3 3/4	CC-2V	630	1500	CD/2	120/10				
<b>A3690</b>	60B10/W	130			White	3 3/4	CC-2V	564	2500	Box	500/25				
<b>S3388</b>	60B10/220V	220			Clear	3 3/4	CC-2F	650	1000	Box	500/25				
Euro.	<b>S3392</b>	60B10			120	Clear	3 3/4	CC-2V	650	1500	Box	500/25			
	<b>S4713</b>	60B10			120	Clear	3 3/4	CC-2V	650	1500	CD/2	120/10			
	<b>S3382</b>	60B10/F			120	Frost	3 3/4	CC-2V	650	1500	Box	500/25			
	<b>S4716</b>	60B10/F			120	Frost	3 3/4	CC-2V	650	1500	CD/2	120/10			

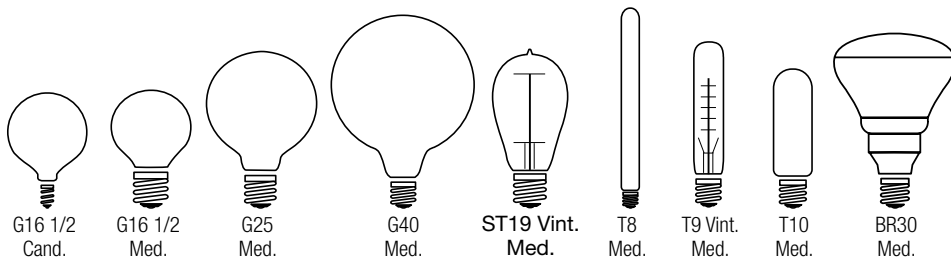
NOTE: When using a 130 Volt lamp on a 120 Volt line, life is extended approximately 2.5 times and lumens are reduced approximately 20%.



Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Carton	Notes	
<b>60</b>	B10/B11	Med.	<b>S7010</b>	60B11/TF <b>Shatter Proof</b>	130	Frost	3 7/8	CC-2V	600	2500	Box	500/25		
	BA9 1/2	Cand.	<b>S3819</b>	60BA9 1/2/A	120	Trans. Amber	3 1/2	CC-2V	—	1500	Box	500/25		
	C11	Cand.	<b>S3405</b>	60C11	120	Satin Spun	4	C-7A	606	1500	Box	500/25		
			<b>S2705</b>	60C11	120	Satin Spun	4	C-7A	606	4000	CD/2	120/12		
	C15	Med.	<b>S2715</b>	60C15	120	Satin Spun	4 1/2	C-9	606	4000	CD	500/25		
			<b>S3415</b>	60C15	120	Satin Spun	4 1/2	C-9	606	4000	Box	120/12		
	CA10	Cand.	<b>S3262</b>	60CA10	120	Clear	4 1/4	CC-2V	650	1500	Box	500/25		
			<b>S3762</b>	60CA10	120	Clear	4 1/4	CC-2V	650	1500	CD/2	120/10		
			<b>S4467</b>	KR60CA10	120	Clear	4 1/4	CC-2V	720	2500	Box	500/25	1	
			<b>A3662</b>	60CA10	130	Clear	4 1/4	CC-2V	642	2500	Box	500/25		
			<b>S3263</b>	60CA10/F	120	Frost	4 1/4	CC-2V	640	1500	Box	500/25		
			<b>S3763</b>	60CA10/F	120	Frost	4 1/4	CC-2V	640	1500	CD/2	120/10		
	F15	Med.	<b>A3663</b>	60CA10/F	130	Frost	4 1/4	CC-2V	635	2500	Box	500/25		
			<b>S3376</b>	60F15/VS	120	Clear	4 1/2	C-9	620	1500	Box	300/25		
			<b>S3378</b>	60F15/AU	120	Aurora	4 1/2	CC-9	—	1500	Box	300/25		
	G16 1/2	Cand.	<b>S3377</b>	60F15/A	120	Amber	4 1/2	CC-9	—	1500	Box	300/25		
			<b>S3771</b>	60G16 1/2	120	Clear	3	CC-2V	672	1500	CD/2	120/10		
			<b>S3831</b>	60G16 1/2	120	Clear	3	CC-2V	672	1500	Box	500/25		
				<b>A3931</b>	60G16 1/2	130	Clear	3	CC-2V	642	2500	Box	500/25	

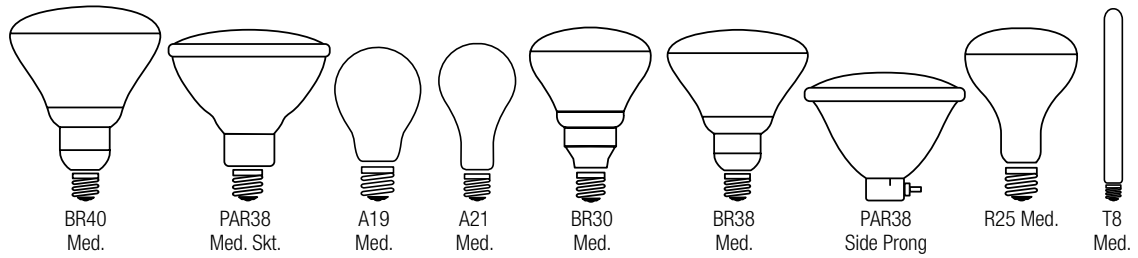
NOTE: When using a 130 Volt lamp on a 120 Volt line, life is extended approximately 2.5 times and lumens are reduced approximately 20%.





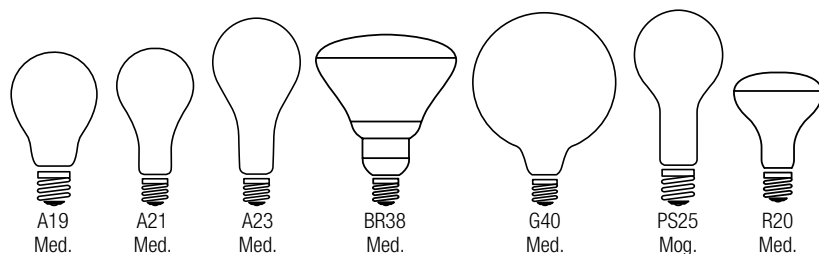
Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Carton	Notes	
<b>60</b>	G16 1/2	Cand.	<b>S3772</b>	60G16 1/2/W	120	Satin White	3	CC-2V	630	1500	CD/2	120/10		
			<b>S3832</b>	60G16 1/2/W	120	Satin White	3	CC-2V	630	1500	Box	500/25		
			<b>A3932</b>	60G16 1/2/W	130	Satin White	3	CC-2V	564	2500	Box	500/25		
			<b>S3271</b>	60G16 1/2/W	120	Gloss White	3	CC-2V	630	1500	Box	500/25		
			<b>S3246</b>	60G16 1/2/SL	120	Silver Crown	3	CC-2V	672	1500	Box	500/25		
		Med.		<b>S4543†</b>	60G16 1/2/W	120	Gloss White	3 1/4	CC-2V	550	1500	CD/1	500/25	
		G25	Med.	<b>S3862</b>	60G25/SL	120	Silver Crown	4 3/8	C-9	540	1500	Box	72/6	
		G40	Med.	<b>S3012</b>	60G40	120	Clear	6 3/4	C-9	580	4000	Box	24/6	
	<b>S3002</b>			60G40/W	120	Gloss White	6 3/4	C-9	550	4000	Box	24/6		
		ST19	Med.	<b>S2423</b>	60ST19/CL/15S/120V/Vint.	120	Clear	5 3/16	Cage Style	240	3000	Box	48/6	
		T8	Med.	<b>S2978</b>	60T8	130	Clear	12	C-8	425	2000	Box	10	
		T9	Med.	<b>S2422</b>	60T9/CL/12S/120V/Vint.	120	Clear	7 5/16	Hairpin	230	3000	Box	50/10	
		T10	Med.	<b>S3896 †</b>	60T10	120	Clear	5	C-5V	500	2000	Box	500/25	
	<b>S3704 †</b>			60T10	120	Clear	5	C-5V	500	2000	CD/1	120/10		
<b>S3899 †</b>	60T10/F			120	Frost	5	C-5V	500	2000	Box	500/25			
<b>S3705 †</b>	60T10/F			120	Frost	5	C-5V	500	2000	CD/1	120/10			
			<b>S2880</b>	60T10/CLR/120/TF/PFA	120	Clear	5	C-5	500	2000	Box	200/25		
<b>65</b>	BR30	Med.	<b>S2808</b>	65BR30/FL	120	Frost	5 3/8	CC-9	685	2000	Box	48/12		
			<b>S2817</b>	65BR30/FL/2PK	120	Frost	5 3/8	CC-9	620	2000	2pk	60/2		
			<b>S3408</b>	65BR30/FL	130	Frost	5 3/8	CC-9	620	2000	Box	48/12		
			<b>S8520</b>	65BR30/FL	130	Frost	5 3/8	C-9	530	5000	Box	60		

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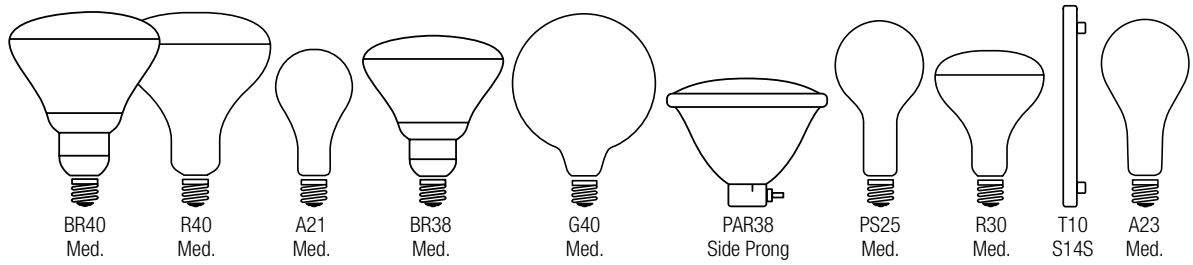
Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Carton	Notes
<b>65</b>	BR30	Med.	<b>S3417</b>	65BR30/FL/2PK	130	Frost	5 3/8	CC-9	620	2000	2pk	60/2	
	<b>Shatter Proof</b>		<b>S4887</b>	65BR30/TF	120	Frost	5 3/8	C-9	685	2000	Sleeve	48/12	4
	BR40	Med.	<b>S2853</b>	65BR40/FL	120	Frost	6 1/2	CC-6	580	2500	Sleeve	24	
			<b>S4453</b>	65BR40/FL	130	Frost	6 1/2	CC-6	540	2500	Sleeve	24	
			<b>S8521</b>	65BR40/FL	130	Frost	6 1/2	C-9	510	5000	Box	24	
	PAR38	Side Prong	<b>S4800 ▲</b>	65PAR/3FL/MINE	120	Clear	4 5/16	CC-6	765	2000	Box	12	
<b>69</b>	A21	Med.	<b>S2996 ▲</b>	69A21/TS/8M	130	Clear	4 7/16	C-9	640	8000	Sleeve	24	2
<b>75</b>	A19	Med.	<b>S3970</b>	75A/RS	130	Frost	4 1/8	C-11/5	710	2500	2pk	24	
			<b>S8517</b>	75A/RS	130	Frost	4 1/8	C-11/5	590	5000	4pk	120	
	<b>Shatter Proof</b>		<b>S3928</b>	75A/RS/TF/2PK	130	Frost	4 1/8	C-9	680	5000	2pk	12/2	4
	<b>Shatter Proof</b>		<b>S3931</b>	75A/RS/TF	130	Frost	4 1/8	C-9	680	5000	Box	12	4
			<b>S4078</b>	75A19/W/230V	230	White	4 1/8	CC-2F	808	1000	Box	120	
			<b>S3920</b>	75A/BlackLight	120	Black Light	4 1/8	C-9	–	480	Box	96/6	
	A21	Med.	<b>S5012</b>	75A21/F/12V	12	Frost	5 5/16	C-6	720	1500	Box	120/6	
			<b>S5022</b>	75A21/F/34V	34	Frost	5 5/16	C-6	720	1500	Box	120/6	
			<b>S3934</b>	75A21/IF	130	Frost	5 5/16	C-9	680	5000	Sleeve	120/6	
	<b>Shatter Proof</b>		<b>S3972</b>	75A21/TF	130	Frost	5 5/16	C-9	700	2500	Box	24	4
	BR30	Med.	<b>S3239</b>	75BR30/A	130	Amber	5 3/8	C-9	–	2000	Sleeve	96/12	
			<b>S3228</b>	75BR30/B	130	Blue	5 3/8	C-9	–	2000	Sleeve	96/12	
			<b>S3227</b>	75BR30/G	130	Green	5 3/8	C-9	–	2000	Sleeve	96/12	
			<b>S3213</b>	75BR30/PK	130	Pink	5 3/8	C-9	–	2000	Sleeve	96/12	
			<b>S3240</b>	75BR30/R	130	Red	5 3/8	C-9	–	2000	Sleeve	96/12	
	BR38	Med.	<b>S5000</b>	75BR38/FL/230V	230	Clear	5 5/16	CC-9	700	2000	Box	12	
	R25	Med.	<b>S2851</b>	75R25/GRO	120	Plant	4 3/4	C-9	–	2000	Box	96/12	
	T8	Med.	<b>S2979</b>	75T8	130	Clear	12	C-8	584	2000	Box	10	

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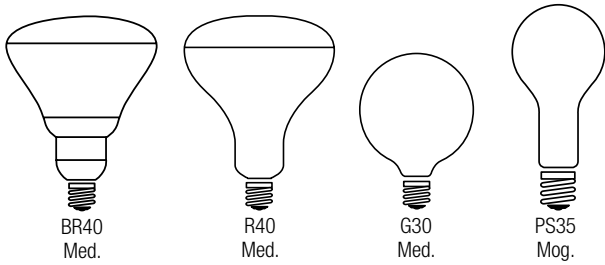
Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Carton	Notes	
<b>100</b>	A19 Med.	Med.	<b>S4079</b>	100A19/W/230V	230	White	4 1/8	C-9	1178	1000	Box	120		
		Med. Left Hand Thread (LHT)	<b>S6010</b>	100A/LHT	130	Frost	4 1/8	C-9	1200	2000	Sleeve	120/6		
	Med.		<b>S3971†</b>	100A/RS	130	Frost	4 1/8	C-11/5	1100	2500	2pk	24		
			<b>S8518†</b>	100A/RS	130	Frost	4 1/8	C-11/5	900	5000	4pk	120		
		<b>Shatter Proof</b>	<b>S3929</b>	100A/RS/TF/2PK	130	Frost	4 1/8	C-9	960	5000	2pk	12/2	4	
	<b>Shatter Proof</b>		<b>S3932</b>	100A/RS/TF	130	Frost	4 1/8	C-9	960	5000	Box	12	4	
			<b>S3956</b>	100A/SL	130	Silver Crown	4 1/8	C-9	960	1500	Box	24		
		A21 Med.		<b>S3939</b>	100A/Bug	130	Yellow	4 1/8	C-9	–	2000	2pk	24	
				<b>S5013</b>	100A21/F/12V	12	Frost	5 5/16	C-6	980	1500	Box	120/6	
		Med.		<b>S5023</b>	100A21/F/34V	34	Frost	5 5/16	C-6	980	1500	Box	120/6	
				<b>S3935</b>	100A21/F/VS	130	Frost	5 5/16	C-7A/5	1030	5000	Sleeve	130	
			<b>Shatter Proof</b>	<b>S3973</b>	100A21/TF	130	Frost	5 5/16	C-9	1000	2500	Box	24	4
		A23 Med.		<b>S3936</b>	100A23/F/VS	130	Frost	6 1/16	C-7A/5	1030	5000	Sleeve	120/6	
		BR38 Med.		<b>S4424</b>	100BR38/R	120	Red	5 5/16	CC-9	–	2000	Box	6	
				<b>S4425</b>	100BR38/A	120	Amber	5 5/16	CC-9	–	2000	Box	6	
				<b>S4426</b>	100BR38/Y	120	Yellow	5 5/16	CC-9	–	2000	Box	6	
				<b>S4427</b>	100BR38/G	120	Green	5 5/16	CC-9	–	2000	Box	6	
				<b>S4428</b>	100BR38/B	120	Blue	5 5/16	CC-9	–	2000	Box	6	
				<b>S4429</b>	100BR38/PK	120	Pink	5 5/16	CC-9	–	2000	Box	6	
				<b>S5002</b>	100BR38/R/230V	230	Red	5 5/16	CC-9	–	2000	Box	6	
				<b>S5003</b>	100BR38/A/230V	230	Amber	5 5/16	CC-9	–	2000	Box	6	
			<b>S5004</b>	100BR38/Y/230V	230	Yellow	5 5/16	CC-9	–	2000	Box	6		
			<b>S5005</b>	100BR38/G/230V	230	Green	5 5/16	CC-9	–	2000	Box	6		
			<b>S5006</b>	100BR38/B/230V	230	Blue	5 5/16	CC-9	–	2000	Box	6		
			<b>S5007</b>	100BR38/PK/230V	230	Pink	5 5/16	CC-9	–	2000	Box	6		
			G40 Med.		<b>S3013</b>	100G40	120	Clear	6 3/4	C-9	1150	4000	Box	24/6
		<b>S3003</b>		100G40/W	120	Gloss White	6 3/4	C-9	1050	4000	Box	24/6		
<b>100/200/300</b>	PS25 Mog.		<b>S1822</b>	100/300W	120	White	6 3/4	CC-6/C-9	1385/3540/4925	1200	Sleeve	12		
			<b>S1826</b>	100/300PS25/F	120	Frost	6 3/4	CC-6/CC-6	1300/2800/4100	2000	Sleeve	12		
<b>100</b>	R20 Med.		<b>S7002</b>	100R20FL/POOL	12	Frost	3 9/16	CC-6	1000	2000	Box	100/10		
			<b>S7001</b>	100R20FL/POOL	130	Frost	3 9/16	CC-6	970	2000	Box	100/10		

NOTE: When using a 130 Volt lamp on a 120 Volt line, life is extended approximately 2.5 times and lumens are reduced approximately 20%.



Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Carton	Notes
<b>120</b>	BR40	Med. Skt.	<b>S7011</b>	120BR40/TF	130	Frost	6 1/2	C-9	1150	5000	Box	24	
	PAR38	Side Prong	<b>S4802 ▲</b>	120PAR/3FL/MINE	120	Clear	4 5/16	CC-6	1740	2000	Box	12	
			<b>S4803 ▲</b>	120PAR/3SP/MINE	120	Clear	4 5/16	CC-6	1740	2000	Box	12	
<b>125</b>	R40	Med.	<b>S4750</b>	125R40/1	120	Clear Heat	6 1/2	C-11	—	6000	Box	12	
			<b>S4756</b>	125R40/1/CL/2PK	120	Clear Heat	6 1/2	C-11	—	6000	Box	12	
<b>135</b>	A21	Med.	<b>S2999 ▲</b>	135A21/TS/8M/SS	120	Clear	4 7/16	C-11V	1750	8000	Sleeve	24	2
<b>150</b>	A21	Med.	<b>S3946</b>	150A21/CL/120V	120	Clear	5 1/16	CC-6	2670	750	Box	24	
			<b>S3945</b>	150A21/FR/120V	120	Frost	5 1/16	CC-6	2670	750	Box	24	
<b>Shatter Proof</b>			<b>S4883</b>	150A21/TF	130	Frost	5 1/16	C-9	1750	2500	Box	24	4
	BR38	Med.	<b>S5001</b>	150BR38/FL/230V	230	Clear	5 5/16	CC-9	1550	2000	Box	12	
	G40	Med.	<b>S3014</b>	150G40	120	Clear	6 3/4	C-9	1700	4000	Box	24/6	
<b>S3004</b>			150G40/W	120	Gloss White	6 3/4	C-9	1550	4000	Box	24/6		
<b>Shatter Proof</b>	PS25	Med.	<b>S3017</b>	150PS25/TF	130	Frost	6 15/16	C-9	2200	5000	Box	24	4
	R30	Med.	<b>S2852</b>	150R30/GRO	120	Plant	5 15/16	C-9	—	2000	Box	96/12	
<b>175</b>	BR38	Med.	<b>S4751</b>	175BR38/HR	120	Red Heat	5 15/16	C-9	—	5000	Box	12	
			<b>S4752</b>	175BR38/HC	120	Clear	5 5/16	C-9	—	5000	Box	12	
<b>200</b>	A23	Med.	<b>S3958</b>	200A23/CL/120V	120	Clear	6 1/16	CC-6	2900	2500	Box	24	
			<b>S3957</b>	200A23/FR/120V	120	Frost	6 1/16	CC-6	2780	2500	Box	24	
<b>250</b>	R40	Med.	<b>S4999</b>	250R40/1	120	Clear Heat	6 1/2	C-9	—	6000	Sleeve	12	
			<b>S4755</b>	250R40/1/CL/2PK	120	Clear Heat	6 1/2	C-9	—	6000	Box	12	
<b>Shatter Proof</b>			<b>S4885</b>	250R40/1/TF	120	Clear Heat	6 7/8	C-9	—	6000	Sleeve	12	4
	BR40	Med.	<b>S4757</b>	250BR40/1/CL/3PK	120	Clear Heat	6 1/2	CC-9	—	6000	Box	24/3	
	<b>Shatter Proof</b>		<b>S4758</b>	250BR40/1/CL/TF/3PK	120	Clear Heat	6 1/2	CC-9	—	6000	Box	24/3	
			<b>S4998</b>	250R40/HR	120	Red Heat	6 1/2	C-9	—	6000	Sleeve	12	
			<b>S4754</b>	250R40/HR/2PK	120	Red Heat	6 1/2	C-9	—	6000	Box	12	
<b>Shatter Proof</b>			<b>S4884</b>	250R40/HR/TF	120	Red Heat	6 7/8	C-9	—	6000	Sleeve	12	4
	<b>300</b>	BR40	Med.	<b>S7004</b>	300BR40FL/POOL	12	Frost	6 1/2	CC-9/1	2960	2000	Box	24/12
<b>S4353 ▲</b>				300BR/FL	120	Flood	6 1/2	CC-2V	3030	2000	Sleeve	24	
<b>S7003</b>				300BR40FL/POOL	130	Frost	6 1/2	CC-9/1	2485	2000	Box	24/12	
	PS25	Med.	<b>S4959</b>	300M/CL	130	Clear	6 15/16	C-9	3600	5000	Box	24	
			<b>S4960</b>	300M/IF	130	Frost	6 15/16	C-9	3600	5000	Box	24	
	PS35	Mog.	<b>S4961</b>	300PS35/CL	130	Clear	9 3/8	C-9	3600	2500	Box	12	
			<b>S4962</b>	300/PS35/IF	130	Frost	9 3/8	C-9	3600	2500	Box	12	
			<b>S7982</b>	300PS35/SB/IF	130	Silver Bowl Inside Frost	9 3/8	C-9	—	1000	Box	24	

NOTE: When using a 130 Volt lamp on a 120 Volt line, life is extended approximately 2.5 times and lumens are reduced approximately 20%.



Watts		Bulb Type	Base	Satco Prod. #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Initial Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Carton	Notes
<b>375</b>	<b>Shatter Proof</b>	R40	Med.	<b>S7012</b>	375R40/TF	120	Clear Heat	7 5/8	C-11	–	5000	Box	12	4
		R40	Med.	<b>S4366</b>	375R40/1	120	Clear Heat	7 5/8	C-11	–	5000	Box	12	
<b>400</b>		BR40	Med.	<b>S7006</b>	400BR40FL/POOL	120	Frost	6 ½	CC-9/1	4000	2000	Box	24/12	
		G30	Med.	<b>S7005</b>	400G30/CL/POOL	120	Clear	5	CC-9/1	6000	2000	Box	100/10	
<b>500</b>		BR40	Med.	<b>S7007</b>	500BR40FL/POOL	130	Frost	6 ½	CC-9/1	5500	2000	Box	24/12	
		PS35	Mog.	<b>S3015</b>	500PS35/CL	130	Clear	9 3/8	CC-8	8000	5000	Box	24	
		<b>Shatter Proof</b>		<b>S3016</b>	500PS35/TF	130	Clear	9 3/8	CC-8	8000	5000	Box	24	4

NOTE: When using a 130 Volt lamp on a 120 Volt line, life is extended approximately 2.5 times and lumens are reduced approximately 20%.

### General Incandescent Notes

- = Product by a manufacturer other than Satco
- ▲ = Product by one of the Primary lamp manufacturers
- † = To be discontinued when inventory is depleted.
- CD/1** = Carded or Clamshell – 1 lamp per card
- CD/2** = Carded or Clamshell – 2 lamps per card
- CD/4** = Carded or Clamshell – 4 lamps per card

### Incandescent Notes

- 1 Krypton decorative bulbs create a brilliant sparkle, similar to the look of halogen. Additionally, Krypton bulbs last longer than conventional incandescent bulbs, maintaining their lumen output for the full course of their life.
- 2 While these very long life lamps were originally designed for traffic signals, we offer them primarily as an extraordinarily long life product. Per Title 20 Section 1605.3(m) of the California code of regulations, these lamps may not be sold or offered for sale in the state of California for use in traffic signals.

- 3 These Natural Spectrum light bulbs contain Neodymium, a rare earth element that filters out the excessive yellow part of the spectrum to which our eY are most sensitive. Made of hand blown glass, these incredible bulbs are the closest replication of natural sunlight available in an incandescent. These bulbs last up to five times longer than ordinary bulbs, show colors more accurately, increase the contrast between black and white, and reduce glare, eyestrain, and fatigue. While other manufacturers use a film that can degrade from the heat of the incandescent filament, the Neodymium in these lamps are integral to the glass, and therefore will last for the life of the bulb.
- 4 **Shatter Proof** lamps are designed for any application where the bulbs are at risk of being broken. The rubber coating will contain the glass particles should the lamp break, keeping it from falling into food, or anywhere else. Many jurisdictions now require the use of coated lamps in all food preparation, and service areas.
- 5 Designed primarily for picture light applications.



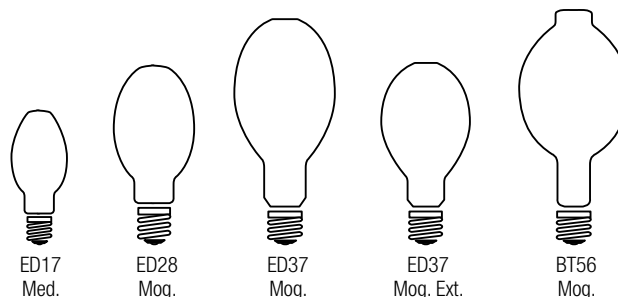
# The largest lighting problems, solved.

High Intensity Discharge, or HID lamps, as they are commonly called, are a lighting mainstay for commercial applications, indoors or out. Our Hygrade™ brand covers all the HID technologies; mercury vapor, metal halide, and high pressure sodium. Manufactured to the highest quality standards, our HID lamps are in-service in virtually every state, in every type of business. Satco Hygrade high intensity discharge lamps are perfect for large indoor or outdoor open areas such as parking lots, street lighting, warehouses, anywhere high lumen output is critical.

## HID lamp features:

- Energy saving pulse start
- Protected MH for open rated fixtures
- Available from 50 to 1500 Watts
- High quality, rugged Arc tubes and frames
- Hydroponic line including Metal Halide to High Pressure Sodium conversion lamps
- Long life – up to 24,000 hours
- Full range of color temperatures from 1800K to 12000K





## Metal Halide Lamps – Protected/Pulse Start\* (Med. Base)

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Finish	Pulse Start	Open Rated	ANSI	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Burning Position	M.O.L. Inches	Carton
<b>50</b>	ED17	Med.	<b>S5854</b>	MP50/ED17/U/PS	Clear	Y	Y	M110/0	4000	65	6000	3800	Univ.	5	7/16 12
			<b>S4847</b>	MP50/C/ED17/U/PS	Coated	Y	Y	M110/0	3000	70	10000	3300	Univ.	5	7/16 12
<b>70</b>	ED17	Med.	<b>S5856</b>	MP70/ED17/U/PS	Clear	Y	Y	M98/0	4000	65	10000	6000	Univ.	5	7/16 12
			<b>S4849</b>	MP70/C/ED17/U/PS	Coated	Y	Y	M98/0	3700	70	15000	5300	Univ.	5	7/16 12
<b>100</b>	ED17	Med.	<b>S5858</b>	MP100/ED17/U/PS	Clear	Y	Y	M90/0	4000	65	10000	9500	Univ.	5	7/16 12
			<b>S4851</b>	MP100/C/ED17/U/PS	Coated	Y	Y	M90/0	3700	70	15000	8100	Univ.	5	7/16 12
<b>150</b>	ED17	Med.	<b>S5860</b>	MP150/ED17/U/PS	Clear	Y	Y	M102/0	4000	65	10000	14000	Univ.	5	7/16 12
			<b>S4853</b>	MP150/C/ED17/U/PS	Coated	Y	Y	M102/0	3700	70	10000	13500	Univ.	5	7/16 12
<b>175</b>	ED17	Med.	<b>S5863</b>	MP175/ED17/U/PS	Clear	Y	Y	M152/0	4200	65	15000	10800	Univ.	5	7/16 12

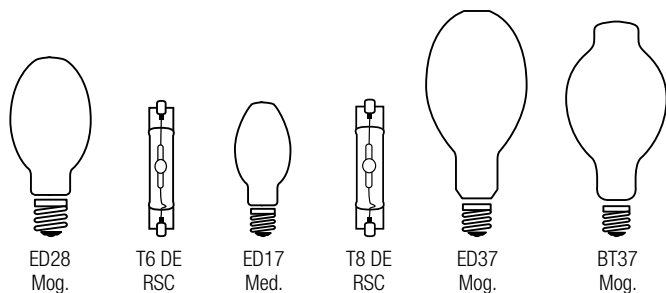
\* High Output lamps for use in open or enclosed fixtures.

## Metal Halide Lamps – Protected/Pulse Start\* (Mog. Base)

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Finish	Pulse Start	Open Rated	ANSI	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Burning Position	M.O.L. Inches	Carton
<b>200</b>	ED28	Mog.	<b>S5881</b>	MP200/ED28/PS/BU/4K	Clear	Y	Y	M136/0	4200	65	15000	20000	BU+/- 15	8	5/1612
<b>250</b>	ED28	Mog.	<b>S5882</b>	MP250/ED28/PS/BU/4K	Clear	Y	Y	M153/0	4200	65	15000	23500	BU+/- 15	8	5/1612
<b>320</b>	ED28	Mog.	<b>S5883</b>	MP320/ED28/PS/BU/4K	Clear	Y	Y	M154/0	4200	65	20000	31000	BU+/- 15	8	5/1612
			<b>S4254</b>	MP320/C/ED28/PS/BU	Coated	Y	Y	M154/0	3700	70	20000	29000	BU+/- 15	8	5/1612
<b>350</b>	ED37	Mog.	<b>S4256</b>	MP350/ED37/V/UVS/UPS/4K/EX39	Clear	Y	Y	M131/0	4000	65	20000	33000	Vert+/- 15	11 1/2	12
			<b>S4257</b>	MP350/ED37/C/V/UVS/UPS/4K/EX39	Coated	Y	Y	M131/0	3700	70	20000	33000	Vert+/- 15	11 1/2	12
<b>400</b>	ED37	Mog.	<b>S4259</b>	MP400/ED37/C/BU/UVS/UPS/4K/EX39	Coated	Y	Y	M155/0	3700	70	20000	40000	BU+/- 15	11 1/2	12
			<b>S5884</b>	MP400/ED37/PS/BU/4K	Clear	Y	Y	M155/0	4200	65	20000	42000	BU+/- 15	11 1/2	12
		Mog. Ext.	<b>S5888</b>	MP400/ED28/PS/BU/4K	Clear	Y	Y	M155/0	4200	65	20000	42000	BU+/- 15	8	5/1612
<b>1000</b>	BT56	Mog.	<b>S7882</b>	MP1000/BT56/PS/BU/4K/EX39	Clear	Y	Y	M141/0	4200	68	12000	105000	BU+/- 15	15	3/8 12

\* High Output lamps for use in open or enclosed fixtures.

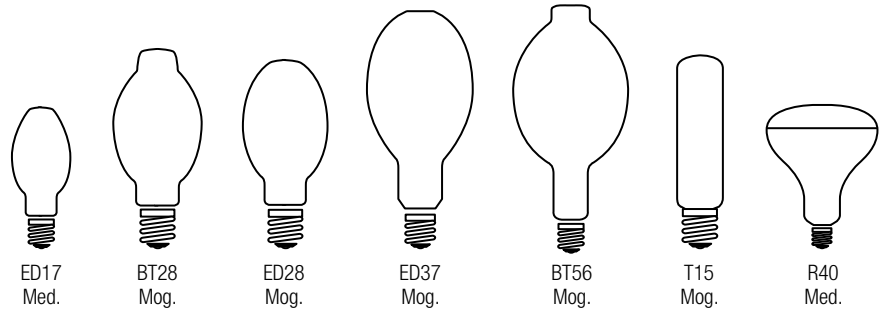




## Metal Halide Lamps – Pulse Start\*

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Finish	Pulse Start	Open Rated	ANSI	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Burning Position	M.O.L. Inches	Carton
<b>70</b>	ED28	Mog.	<b>S5830</b>	MH70/ED28/U/4K	Clear	Y	N	M98/E	4200	65	15000	5600	Univ.	8 5/16	12
	T6 DE	RSC	<b>S4864</b> ■	MH-DE70/42K	Clear	Y	N	M85/E	4200	65	10000	5500	HOR+/-15	13	25
<b>100</b>	ED28	Mog.	<b>S5832</b>	MH100/ED28/PS	Clear	Y	N	M90/E	4200	65	15000	8500	Univ.	8 5/16	12
<b>125</b>	ED28	Mog.	<b>S5822</b>	MH125/ED28/PS/HBU/4K	Clear	Y	N	M150/E	4200	65	15000	12000	Univ.	8 5/16	12
<b>150</b>	ED28	Mog.	<b>S5834</b>	MH150/ED28/U/4K	Clear	Y	N	M102/E	4200	65	15000	12000	Univ.	8 5/16	12
	T8 DE	RSC	<b>S4866</b> ■	MH-DE150/3K	Clear	Y	N	M81/E	3000	70	10000	12500	HOR+/-15	5 7/16	12
			<b>S4867</b> ■	MH-DE150/42K	Clear	Y	N	M81/E	4200	65	10000	12000	HOR+/-15	5 7/16	25
<b>175</b>	ED17	Med.	<b>S4235</b>	MS175/C/BU/UPS/ED17/4K/E26	Coated	Y	N	M152/E	3700	70	15000	16600	BU+/-15	5 7/16	12
	ED28	Mog.	<b>S5824</b>	MS175/ED28/PS/BU/4K	Clear	Y	N	M152/E	4200	65	16000	17000	Univ.	8 5/16	12
			<b>S4237</b>	MS175/C/BU/UPS/ED28/4K/E39	Coated	Y	N	M152/E	3700	70	16000	16600	BU+/-15	8 5/16	12
<b>200</b>	ED28	Mog.	<b>S5838</b>	MS200/ED28/PS/U/4K	Clear	Y	N	M136/E	4200	65	15000	19000	Univ.	8 5/16	12
<b>250</b>	ED28	Mog.	<b>S5839</b>	MS250/ED28/PS/U/4K	Clear	Y	N	M153/E	4000	65	15000	25000	Univ.	8 5/16	12
<b>320</b>	ED28	Mog.	<b>S5841</b>	MS320/ED28/PS/U/4K	Clear	Y	N	M154/E	4200	65	20000	33000	Univ.	8 5/16	12
			<b>S4242</b>	MS320W/ED28/C/UPS/V/4K/E39	Coated	Y	N	M154/E	3700	70	20000	32000	Vert+/-15	8 5/16	12
<b>350</b>	ED28	Mog.	<b>S5825</b>	MS350/ED28/PS/U/4K	Clear	Y	N	M131/E	4200	65	20000	37000	Univ.	8 5/16	12
	ED37	Mog.	<b>S4244</b>	MS350W/ED37/C/UPS/V/4K/E39	Coated	Y	N	M131/E	3700	70	20000	35000	Vert+/-15	11 ½	12
<b>400</b>	ED37	Mog.	<b>S4246</b>	MS400W/ED37/C/UPS/V/4K/E39	Coated	Y	N	M155/E	3700	70	20000	42000	Vert+/-15	11 ½	12
	ED28	Mog.	<b>S5878</b>	MS400/ED28/PS/U/4K	Clear	Y	N	M155/E	4200	65	20000	44000	Univ.	8 5/16	12
			<b>S4248</b>	MS400W/ED28/C/UPS/V/4K/E39	Coated	Y	N	M155/E	3700	70	20000	42000	Vert+/-15	8 5/16	12
<b>750</b>	BT37	Mog.	<b>S4390</b> ▲	MS750/PS/BU-HOR/BT37	Clear	Y	N	M149/E	4000	65	16000	80000	BU+/-90	11 ½	6
<b>1000</b>	BT37	Mog.	<b>S4391</b>	MS1000/BU/BT37/PS/4K/E39	Clear	Y	N	M141/E	4000	65	12000	115000	BU+/-15	11 ½	12

\* High Output lamps for use in enclosed fixtures only.



## Metal Halide Lamps – Protected\*

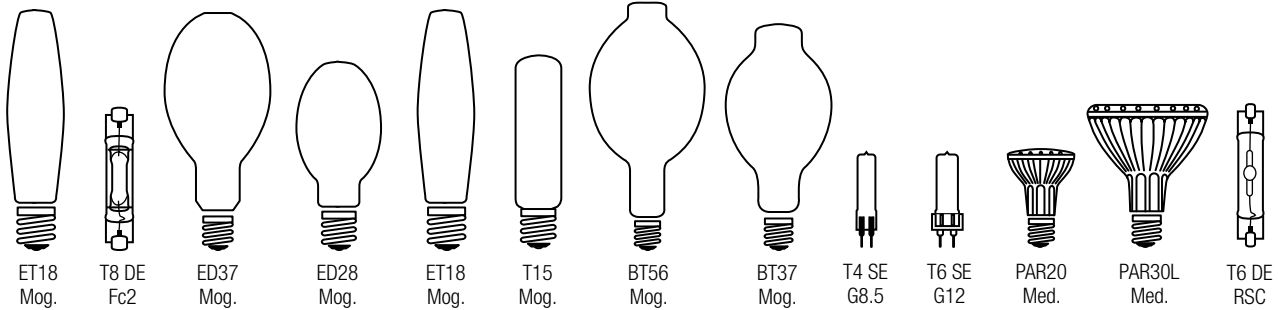
Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Finish	Pulse Start	Open Rated	ANSI	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Burning Position	M.O.L. Inches	Carton
<b>175</b>	ED17	Med.	<b>S5862</b>	MP175/ED17/U	Clear	N	Y	M57/O	4000	65	12000	14000	Univ.	5 7/16	12
	BT28	Mog.	<b>S4384 ▲</b>	MP175/BU-ONLY	Clear	N	Y	M57/O	4000	65	10000	14400	BU+/-15	8 5/16	6
	ED28	Mog.	<b>S5885</b>	MP175/ED28/BU/4K	Clear	N	Y	M57/O	4200	65	10000	14400	BU+/-15	8 5/16	12
<b>250</b>	BT28	Mog.	<b>S4386 ▲</b>	MP250/BU-ONLY	Clear	N	Y	M58/O	4000	65	10000	23000	BU+/-15	8 5/16	6
			<b>S5886</b>	MP250/ED28/BU/4K	Clear	N	Y	M58/O	4200	65	10000	23000	BU+/-15	8 5/16	12
<b>400</b>	ED37	Mog.	<b>S5887</b>	MP400/ED37/BU/4K	Clear	N	Y	M59/O	3600	65	20000	40000	BU+/-15	11 1/2	12
			<b>S4388 ■</b>	MP400/BU-ONLY	Clear	N	Y	M59/O	3600	65	20000	40000	BU+/-15	11 1/2	6
<b>1000</b>	BT56	Mog.	<b>S7921</b>	MP1000/BT56/BU/4K/EX39	Clear	N	Y	M47/O	4000	65	12000	100000	BU+/-15	15 3/8	6

\* Probe start lamps for use in open or enclosed fixtures.

## Metal Halide Lamps – Standard\*

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Finish	Pulse Start	Open Rated	ANSI	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Burning Position	M.O.L. Inches	Carton
<b>70</b>	ED17	Med.	<b>S4857</b>	MH70/C/U/ED17/4K/E26	Coated	Y	N	M98/E	3700	70	15000	5300	Univ.	5 7/16	12
<b>100</b>	ED28	Mog.	<b>S5832</b>	MH100/ED28/U/4K	Clear	N	N	M90/E	4200	65	15000	8500	Univ.	8 5/16	12
<b>150</b>	ED17	Med.	<b>S4379</b>	MH150/U/ED17/4K/E26/EM	Clear	N	N	M107/E	4000	65	10000	13500	Univ.	5 7/16	12
			<b>S4861</b>	MH150/C/U/ED17/4K/E26	Coated	Y	N	M102/E	3700	70	10000	12500	Univ.	5 7/16	12
<b>175</b>	BT28	Mog.	<b>S4829 ▲</b>	MH175/U	Clear	N	N	M57/E	4000	65	10000	14000	Univ.	8 5/16	6
	ED17	Med.	<b>S4862 ▲</b>	MH175/U/MED	Clear	N	N	M57/E	4000	65	10000	16000	Univ.	5 7/16	12
			<b>S4863</b>	MH175/C/U/ED17/4K/E26	Coated	N	N	M57/E	3700	70	10000	13300	Univ.	5 7/16	12
	ED28	Mog.	<b>S5829</b>	MH175/ED28/U/4K	Clear	N	N	M57/E	4200	65	10000	13600	Univ.	8 5/16	12
			<b>S4830</b>	MH175/ED28/C/U/4K/E39	Coated	N	N	M57/E	3700	70	10000	13300	Univ.	8 5/16	12
	T15	Mog.	<b>S4840</b>	MH175/HOR/T15/4K/E39	Clear	N	N	M57/E	4000	65	10000	14000	HOR+/-15	9 3/4	12
	R40	Med.	<b>S4261 ■</b>	MH175W/U/R40/FL70	Frosted	N	N	M57/E	4000	65	10000	6500	Univ.	6 1/2	6
<b>250</b>	ED28	Mog.	<b>S5831</b>	MH250/ED28/U/4K	Clear	N	N	M58/E	4000	65	12000	20000	Univ.	8 5/16	12
			<b>S4832</b>	MH250/C/U/ED28/E39	Coated	N	N	M58/E	3700	70	10000	21500	Univ.	8 5/16	12
	BT28	Mog.	<b>S4831</b>	MH250/U	Clear	N	N	M58/E	4000	65	10000	21000	Univ.	8 5/16	6
	T15	Mog.	<b>S4841</b>	MH250/HOR/T15/4K/E39	Clear	N	N	M58/E	4200	65	10000	20000	HOR+/-15	9 3/4	12

\* Probe start lamps for use in open or enclosed fixtures.



## Metal Halide Lamps – Standard\* (continued)

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Finish	Pulse Start	Open Rated	ANSI	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Burning Position	M.O.L. Inches	Carton
<b>250</b>	ET18	Mog.	<b>S4385</b> ▲	M250/U/ET18	Clear	N	N	M58/E	4000	65	10000	22000	Univ.	9 ¾	10
	T8 DE	Fc2	<b>S4262</b> ■	MH-DE250W/3K/Fc2	Clear	N	N	M80/E	3000	70	10000	20000	HOR+/-45	6 7/16	25
			<b>S4263</b> ■	MH-DE250W/42K/Fc2	Clear	N	N	M80/E	4200	70	10000	20000	HOR+/-45	6 7/16	25
<b>400</b>	ED37	Mog.	<b>S5833</b>	MH400/ED37/U/4K	Clear	N	N	M59/E	4000	65	15000	36000	Univ.	11 ½	12
			<b>S4834</b>	MH400/C/U/ED37/4K/E39	Coated	N	N	M59/E	3700	70	20000	34000	Univ.	11 ½	12
	ED28	Mog.	<b>S5843</b>	MH400/ED28/U/4K/E39	Clear	N	N	M59/E	4200	65	20000	36000	Univ.	8 5/16	12
			<b>S4844</b>	MH400/C/U/ED28/E39	Coated	N	N	M59/E	3700	65	20000	33900	Univ.	8 5/16	12
	ET18	Mog.	<b>S4389</b> ▲	M400/U/ET18	Clear	N	N	M59/E	4000	65	20000	36000	Univ.	9 ¾	10
	T15	Mog.	<b>S4842</b>	MH400/HOR/T15/4K/E39	Clear	N	N	M59/E	4200	65	15000	36000	HOR+/-15	9 ¾	12
<b>1000</b>	BT56	Mog.	<b>S5835</b>	MH1000/BT56/U/4K	Clear	N	N	M47/E	4000	65	10000	105000	Univ.	15 3/8	6
			<b>S4836</b> ■	MH1000/C/U/BT56/4K/E39	Coated	N	N	M47/E	3700	70	12000	105000	Univ.	15 3/8	6
	BT37	Mog.	<b>S5845</b>	MH1000/BT37/U/4K	Clear	N	N	M47/E	4200	65	15000	110000	Univ.	11 ½	12
	BT56	Mog.	<b>S4835</b>	MH1000/U	Clear	N	N	M47/S	4000	65	18000	110000	Univ.	15 3/8	6
<b>1500</b>	BT56	Mog.	<b>S5837</b>	MH1500/BT56/U/4K	Clear	N	N	M48/E	4200	65	3000	167000	Univ.	15 3/8	6
			<b>S4839</b> ■	MH1500/U/XL	Clear	N	N	M48/E	4000	65	6000	170000	Univ.	15 3/8	6

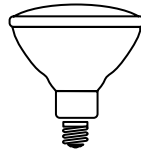
\* Probe start lamps for use in open or enclosed fixtures.

## Metal Halide Lamps – Ceramic

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Finish	Pulse Start	Open Rated	ANSI	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Burning Position	M.O.L. Inches	Carton
<b>39</b>	T4 SE	G8.5	<b>S4286</b> ▲	CDM35/TC/830	Clear	Y	N	M130/E	3000	81	9000	3300	Univ.	3 5/16	12
	T6 SE	G12	<b>S4288</b> ▲	CDM35/T6/830	Clear	Y	N	M130/E	3000	81	12000	3400	Univ.	3 5/16	12
	PAR20	Med.	<b>S4284</b> ▲	CDM35PAR20/M/SP	Clear	Y	Y	M130/O	3000	81	9000	23000	Univ.	3 ¾	12
			<b>S4285</b> ▲	CDM35PAR20/M/FL	Clear	Y	Y	M130/O	3000	81	9000	5000	Univ.	3 ¾	12
	PAR30	Med.	<b>S4876</b> ▲	CDM35PAR30L/M/SP	Clear	Y	Y	M130/O	3000	81	9000	44000	Univ.	4 ¾	6
		<b>S4877</b> ▲	CDM35PAR30L/M/FL	Clear	Y	Y	M130/O	3000	81	9000	7400	Univ.	4 ¾	6	
<b>70</b>	T4 SE	G8.5	<b>S4287</b> ▲	CDM70/TC/830	Clear	Y	N	M139/E	3000	83	6000	6400	Univ.	3 5/16	12
	T6 SE	G12	<b>S4289</b> ▲	CDM70/T6/830	Clear	Y	N	M139/E	3000	81	12000	6600	Univ.	3 5/16	12
			<b>S4264</b> ▲	CDM70T6/942	Clear	Y	N	M139/E	4200	92	12000	6600	Univ.	3 5/16	12
	T6 DE	RSC	<b>S4292</b> ▲	CDM70/TD/830	Clear	Y	N	M85/M139/E	3000	82	15000	6500	HOR+/-15	4 11/16	12



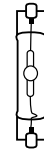
PAR30L  
Med.



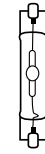
PAR38  
Med.



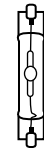
T6 SE  
G12



T8 DE  
RSC



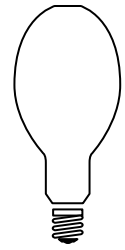
T7 DE  
RSC



T6 DE  
RSC



ED28  
Mog.



ED37  
Mog.

## Metal Halide Lamps – Ceramic (continued)

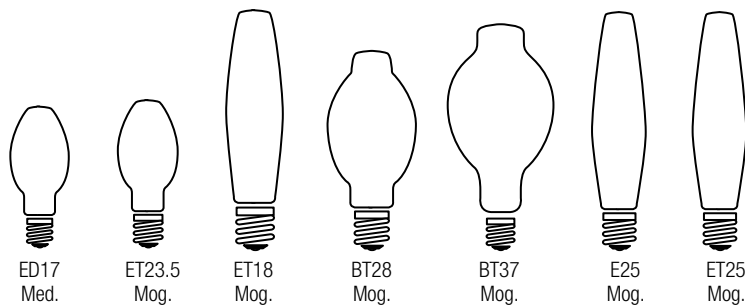
Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Finish	Pulse Start	Open Rated	ANSI	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Burning Position	M.O.L. Inches	Carton
<b>70</b>	PAR30	Med.	<b>S4878</b> ▲	CDM70/PAR30L/M/SP	Clear	Y	Y	M143/M96/0	3000	83	9000	68000	Univ.	4 ¾	12
			<b>S4879</b> ▲	CDM70/PAR30L/M/FL	Clear	Y	Y	M143/M96/0	3000	83	9000	10000	Univ.	4 ¾	12
	PAR38	Med.	<b>S4897</b> ▲	CDM70/PAR38/SP/3K	Clear	Y	Y	M143/M96/0	3000	82	10000	50000	Univ.	5 5/16	12
			<b>S4812</b> ▲	CDM70/PAR38/SP/4K	Clear	Y	Y	M143/M96/0	4000	92	10000	42000	Univ.	5 5/16	12
			<b>S4898</b> ▲	CDM70/PAR38/FL/3K	Clear	Y	Y	M143/M96/0	3000	82	10000	18000	Univ.	5 5/16	12
			<b>S4813</b> ▲	CDM70/PAR38/FL/4K	Clear	Y	Y	M143/M96/0	4000	92	10000	16000	Univ.	5 5/16	12
<b>100</b>	PAR38	Med.	<b>S4888</b> ▲	CDM100/PAR38/SP/3K	Clear	Y	Y	M140/M90/0	3000	85	12500	70000	Univ.	5 5/16	12
			<b>S4814</b> ▲	CDM100/PAR38/SP/4K	Clear	Y	Y	M140/M90/0	4000	93	10000	25000	Univ.	5 5/16	12
			<b>S4889</b> ▲	CDM100/PAR38/FL/3K	Clear	Y	Y	M140/M90/0	3000	86	12500	54000	Univ.	5 5/16	12
			<b>S4869</b> ▲	CDM100/PAR38/FL/4K	Clear	Y	Y	M140/M90/0	4000	93	10000	54000	Univ.	5 5/16	12
<b>150</b>	T6 SE	G12	<b>S4290</b> ▲	CDM150T6/830	Clear	Y	N	M142/E	3000	85	12000	14000	Univ.	4 5/16	12
			<b>S4266</b> ▲	CDM150T6/942	Clear	Y	N	M142/E	4200	96	9000	12700	Univ.	4 5/16	25
	T8 DE	RSC	<b>S4293</b> ▲	CDM150/TD/830	Clear	Y	N	M142/M81/M102/E	3000	88	15000	13250	HOR+/-15	5 7/16	12

## Metal Halide Lamps – Double Ended

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Finish	Pulse Start	Open Rated	ANSI	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Burning Position	M.O.L. Inches	Carton
<b>70</b>	T6 DE	RSC	<b>S4865</b> ■	MH-DE70/3K	Clear	Y	N	M85/E	3000	70	10000	5200	HOR+/-15	4 9/16	12

## Metal Halide Lamps – Retrofit for High Pressure Sodium (HPS) Fixtures

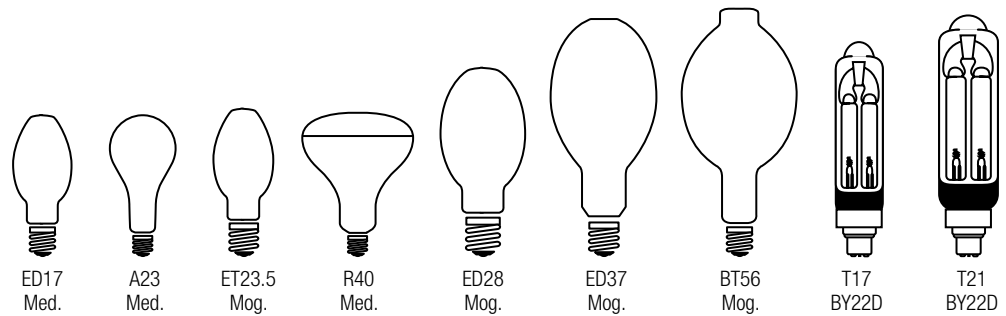
Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Finish	Pulse Start	Open Rated	ANSI	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Burning Position	M.O.L. Inches	Carton
<b>250</b>	ED28	Mog.	<b>S4268</b>	MH250W/BU/LU/ED28/4K/E39 <b>Retrofit for LU250</b>	Clear	N	N	S50/E	4000	65	10000	18500	BU+/-15	8 5/16	12
<b>400</b>	ED37	Mog.	<b>S4269</b>	MH400W/BU/LU/ED37/4K/E39 <b>Retrofit for LU400</b>	Clear	N	N	S51/E	4000	65	20000	36000	BU+/-15	11 ½	12
			<b>S4270</b>	MH400W/C/BU/LU/ED37/4K/E39 <b>Retrofit for LU400/D</b>	Coated	N	N	S51/E	3700	70	20000	34000	BU+/-15	11 ½	12



## High Pressure Sodium (HPS) Lamps

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Finish	ANSI	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Burning Position	M.O.L. Inches	Carton
<b>35</b>	ED17	Med.	<b>S3130</b>	LU35/MED	Clear	S76	2100	22	16000	2250	Univ.	5 <sup>7</sup> / <sub>16</sub>	12
<b>50</b>	ED17	Med.	<b>S3131</b>	LU50/MED	Clear	S68	2100	22	24000	4000	Univ.	5 <sup>7</sup> / <sub>16</sub>	12
	ET23.5	Mog.	<b>S1929</b>	LU50	Clear	S68	2100	22	24000	3700	Univ.	7 <sup>3</sup> / <sub>4</sub>	12
<b>70</b>	ED17	Med.	<b>S3127</b>	LU70/MED	Clear	S62	2100	22	24000	6300	Univ.	5 <sup>7</sup> / <sub>16</sub>	12
			<b>S5123 ▲</b>	LU70/D/MED	Coated	S62	2100	22	24000	5800	–	5 <sup>7</sup> / <sub>16</sub>	20
	ET23.5	Mog.	<b>S1930</b>	LU70	Clear	S62	2100	22	24000	6300	Univ.	7 <sup>3</sup> / <sub>4</sub>	12
<b>100</b>	ED17	Med.	<b>S3128</b>	LU100/MED	Clear	S54	2100	22	24000	9500	Univ.	5 <sup>7</sup> / <sub>16</sub>	12
	ET23.5	Mog.	<b>S1931</b>	LU100	Clear	S54	2100	22	24000	9500	Univ.	7 <sup>3</sup> / <sub>4</sub>	12
			<b>S5126 ▲</b>	LU100/D	Coated	S54	2100	22	24000	8800	–	7 <sup>3</sup> / <sub>4</sub>	20
<b>150</b>	ED17	Med.	<b>S3129</b>	LU150/55/MED	Clear	S55	2100	22	24000	16000	Univ.	5 <sup>7</sup> / <sub>16</sub>	12
			<b>S5127 ▲</b>	LU150/55/D/MED	Coated	S55	2100	22	24000	14500	–	5 <sup>11</sup> / <sub>16</sub>	20
	ET23.5	Mog.	<b>S1932</b>	LU150/55	Clear	S55	2100	22	24000	16000	–	7 <sup>3</sup> / <sub>4</sub>	12
			<b>S5128 ▲</b>	LU150/55/D	Coated	S55	2100	22	24000	14000	–	7 <sup>3</sup> / <sub>4</sub>	–
<b>200</b>	ET18	Mog.	<b>S1927</b>	LU200/ET18	Clear	S66	2100	22	24000	22000	Univ.	9 <sup>11</sup> / <sub>16</sub>	12
<b>250</b>	ET18	Mog.	<b>S1940</b>	LU250	Clear	S50	2100	22	24000	28000	–	9 <sup>5</sup> / <sub>8</sub>	12
	BT28	Mog.	<b>S5130 ▲</b>	LU250/D	Coated	S50	2100	22	24000	26000	–	8 <sup>15</sup> / <sub>16</sub>	10
<b>310</b>	ET18	Mog.	<b>S5131 ▲</b>	LU310/ECO	Clear	S67	2100	22	24000	37000	–	9 <sup>5</sup> / <sub>8</sub>	20
<b>400</b>	ET18	Mog.	<b>S1941</b>	LU400	Clear	S51	2100	22	24000	51000	–	9 <sup>5</sup> / <sub>8</sub>	12
<b>750</b>	BT37	Mog.	<b>S5133 ▲</b>	LU750	Clear	S111	2100	22	24000	105000	–	11 <sup>1</sup> / <sub>2</sub>	6
<b>1000</b>	E25	Mog.	<b>S5124 ▲</b>	LU1000	Clear	S52	2100	22	24000	130000	–	15 <sup>5</sup> / <sub>8</sub>	6
	ET25	Mog.	<b>S1928</b>	LU1000/ET25	Clear	S52	2100	22	24000	130000	Univ.	15 <sup>5</sup> / <sub>8</sub>	12

**HIP**

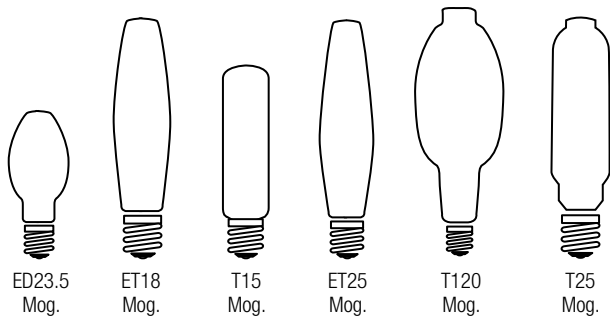


## Mercury Vapor Lamps

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Finish	ANSI	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	Carton
<b>75</b>	ED17	Med.	<b>S4475</b>	H43AV-75DX	Coated	H43	3900	50	24000	2700	5	<b>7/16</b> 12
<b>100</b>	A23	Med.	<b>S1933</b>	H38MP-100DX	Coated	H38	3900	50	24000	4000	5	<b>7/16</b> 12
	ED17	Med.	<b>S4377</b>	H38AV-100DX	Coated	H38	3900	50	24000	4000	5	<b>7/16</b> 20
	ET23.5	Mog.	<b>S1935</b>	H38JA-100DX	Coated	H38	3900	50	24000	4000	7 ½	12
<b>175</b>	ED28	Mog.	<b>S1934</b>	H39KC-175DX	Coated	H39	3900	50	24000	7800	8 ¼	12
			<b>S1936</b>	H39KB-175	Clear	H39	4500	20	24000	7800	8 ¼	12
	R40	Med.	<b>S4394</b>	H39BP-175DX	Coated	H39	3900	50	24000	5700	7 ½	12
<b>250</b>	ED28	Mog.	<b>S1937</b>	H37KC-250DX	Coated	H37	3900	50	24000	11200	8 ¼	12
<b>400</b>	ED37	Mog.	<b>S1938</b>	H33GL-400DX	Coated	H33	3900	50	24000	22600	11	<b>5/16</b> 12
	ED28	Mog.	<b>S1939</b>	MV400/DX/ED28/H33/E39	Coated	H33	3900	50	24000	22600	8	<b>5/16</b> 12
<b>1000</b>	BT56	Mog.	<b>S4396</b> ■ †	H36GW-1000DX	Coated	H36	3900	50	24000	58000	15	<b>3/8</b> 6
			<b>S1998</b> †	H36GW-1000DX	Coated	H36	3900	50	24000	58000	15	<b>3/8</b> 6

## SOX Low Pressure Sodium Lamps

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Finish	ANSI	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	Carton
<b>18</b>	T17	BY22D	<b>S4870</b> ▲ †	SOX18	Clear	L69	1800	16000	1800	BU +/- 110	8 ½	12
<b>35</b>	T17	BY22D	<b>S4871</b> ▲ †	SOX35	Clear	L70	1800	16000	4500	BU +/- 110	12 ¼	12
<b>55</b>	T17	BY22D	<b>S4872</b> ▲ †	SOX55	Clear	L71	1800	16000	7300	BU +/- 110	16 ¾	12
<b>90</b>	T21	BY22D	<b>S4873</b> ▲ †	SOX90	Clear	L72	1800	16000	13500	HOR +/- 20	20	<b>13/16</b> 12
<b>135</b>	T21	BY22D	<b>S4874</b> ▲ †	SOX135	Clear	L73	1800	16000	22000	HOR +/- 20	30 ½	12
<b>180</b>	T21	BY22D	<b>S4875</b> ▲ †	SOX180	Clear	L74RF	1800	16000	30000	HOR +/- 20	44	<b>15/16</b> 6



## Hydroponic Lamps – High Pressure Sodium

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Finish	ANSI	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	Carton
<b>150</b>	ED23.5	Mog.	<b>S5901</b>	LU150/ED23.5/HO	Clear	S55	2000	20	24000	16000	7 ¾	12
<b>250</b>	ET18	Mog.	<b>S5902</b>	LU250/ET18/HO	Clear	S50	2000	20	32000	32000	9 5/8	12
<b>400</b>	ET18	Mog.	<b>S5903</b>	LU400/ET18/HO	Clear	S51	2000	20	32000	54500	9 5/8	12
<b>600</b>	T15	Mog.	<b>S5904</b>	LU600/T15/HO	Clear	S106	2000	20	32000	85000	11 1/16	24
<b>1000</b>	ET25	Mog.	<b>S5905</b>	LU1000/ET25/HO	Clear	S52	2000	20	32000	140000	15	12
<b>1500</b>	ET25	Mog.	<b>S5906</b>	LU1500/ET25/HO	Clear	Electric Ballast	2000	20	32000	200000	15 1/16	12

## Hydroponic Lamps – High Pressure Sodium/Dual Arc tube

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Finish	ANSI	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	Carton
<b>1000</b>	ET25	Mog.	<b>S5913</b>	LU1000MH/DA	Clear	S52/Electric Ballast	3000	60	10000	90000	15 1/16	12

## Hydroponic Lamps – Metal Halide

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Finish	ANSI	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	Carton
<b>400</b>	T15	Mog.	<b>S5907</b>	MS400/7500	Clear	M59/E	7500	65	10000	32000	9 ¾	24
			<b>S5908</b>	MS400/10000	Clear	M59/E	10000	85	10000	23000	9 ¾	24
<b>1000</b>	T120	Mog.	<b>S5909</b>	MS1000/7500	Clear	M47/E	7500	65	10000	92000	15 3/8	12
			<b>S5910</b>	MS1000/10000	Clear	M47/E	10000	85	10000	68000	15 3/8	12

## Hydroponic Lamps – Metal Halide/Conversion

Watts	Bulb Type	Base	Satco Prod. #	Lamp Code	Finish	ANSI	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	Carton
<b>600</b>	T25	Mog.	<b>S5911</b>	MH600/LU	Clear	S106	6500	65	10000	45000	11 ½	24
<b>1000</b>	T120	Mog.	<b>S5912</b>	MH1000/LU	Clear	S52	6500	65	10000	92000	15 3/8	12

**NOTE:** Compatible ballasts are on pages 115-117.

## HID Notes

- = Product by a manufacturer other than Satco
- ▲ = Product by one of the Primary lamp manufacturers

## Steps to choosing the correct Metal Halide lamp:

- 1 Determine the correct wattage.
- 2 Determine the base.
- 3 Choose the shape. ED and BT style lamps are generally interchangeable.
- 4 Determine the correct size, some wattages come in multiple sizes. For example, 400w lamps are standard ED37, but are also commonly available in an ED28 compact envelope.
- 5 Determine burning position, BU, BD, Vertical, Horizontal, or Universal.
- 6 Determine Pulse Start, or Probe Start. Pulse Start is standard on lower wattage lamps, (39 through 150 watts). Probe Start is standard on higher wattage lamps, (175 through 1500 watts), however Pulse Start technology is being used more and more on the higher wattages.
- 7 Determine whether the project is calling for the newer Ceramic Arc tube lamps. These lamps offer higher color rendering, and Lumen Output than the more traditional Quartz Arc tube lamps.
- 8 Determine whether fixture requires an Open Rated (Protected) lamp, or an Enclose Rated lamp.
- 9 All Metal Halide lamps and ballasts are identified with an ANSI code. It is best to make sure that the ANSI code matches between the ballast and lamp.

## ANSI Codes

All HID lamps and ballasts are identified by an ANSI code. The purpose of these codes are to make sure that the lamp from one manufacturer is properly matched to any other manufacturers ballast, therefore resulting in safe operation, and produce the designed light output. Especially with the increasing complexities of metal halide product offerings, it is very important that the ballast and lamp ANSI codes are matched before use. The most recent changes to the ANSI lamp codes have added the E, S, and O letter designations. For example, a 400 watt probe start metal halide lamp will have an ANSI code of M59/E, M59/S, or M59/O. This should be used only on a ballast with an ANSI code of M59.

- E – Lamps must be used in enclosed luminaires which meet the requirements of UL1598.
- S – Lamps are considered “suitable” for open luminaire operation, only if operated in the vertical  $\pm 15^\circ$  position. Lamps do not meet ANSI criteria for containment and must be turned off at least once per week for a minimum of 15 minutes if operated continuously. In addition these lamps must be group relamped before reaching rated lamp life.
- O – Lamps can be operated in open or enclosed luminaires within the manufacturer’s specified operating position limits. This type meets the ANSI criteria for containment rated operation. Special exclusionary sockets are available for these lamps to ensure that the wrong lamp type is not used.

## Rated Life

The rated life of metal halide lamps is based on the point when 50% of the lamps have burned out, based on a burn cycle of 10 hours per start. Various operating conditions affect lamp life. One key factor is operating position. Lamps designated universal can be operated in any position. However, life expectancy and lumen output are sacrificed in certain positions. Published “rated life” for universal lamps is based on operation in the vertical position. “Rated life” for universal lamps operated horizontally is 75% of

the published rating. Shorter operating cycles also severely reduce life. At operating cycles shorter than 10 hours per start, life will shorten as follows:

- 5 hrs per start: Life is approx. 75% of rating
- 2.5 hrs per start: Life is approx. 55% of rating

## Initial Lumen Listings

Rated initial lumens are based on measurements at 100 hours of use, and are based on specified burning position. The measures listed for universal position lamps are based on a vertical burning position; horizontal usage decreases the output by 25 to 30%. For specifics on any particular lamp, call Satco customer service (800-43-SATCO).

### **▲WARNING:**

It is the responsibility of the purchaser to read all safety warnings on the lamp package before use. For more information, call Satco customer service (800-43-SATCO).

## Measured vs Perceived Light Levels of HID Lamp

Studies on nighttime visibility demonstrate experimentally that the human eyes is sensitive to different colors of light based on various lighting levels, thus impacting the “true” or “effective” lumen output of a lamp. Recent research shows that the color of a light source has a significant effect on nighttime visibility, which is important since most road accidents happen at night. It is also well known that the eye responds to color differently based on the amount of light available.

While lumens are the standard measurement of light output, light is actually defined as energy evaluated by the eye. Standard lumen measurements are based on the light output response of a person only during high light levels (photopic light), typical of daylight and interior lighting. Light meters measure photopic light as seen by the central region of the eye. When light levels are very low, like starlight, the viewing conditions are referred to as scotopic. Under these conditions, the eyes visual response changes dramatically. Sensitivity to yellow and red light is greatly reduced, while response to blue light is vastly increased. Since lamp lumen measurements have been determined using photopic measurements, the lumen values do not accurately measure the effective light output as perceived by the human eye.

Since the value of a lamp’s lumen output is different when considering the shifting color sensitivity of the eye at low levels, the effective lumens will be different from the measurable photopic lumens. As light diminishes from photopic to scotopic conditions, the effective lumens of yellow sodium light sources are reduced, and the effective lumens of the whiter metal halide sources increase. This effect is most dramatic for low pressure sodium (SOX) lamps. Almost all energy output from SOX lamps is yellow, resulting in an artificially high photopic lumen output, yet a very low perceived light output in low light level applications.

Typical metal halide lamps have strong light output in the blue, green and yellow areas, resulting in high lumen output at all light levels. The blue light output of metal halide is in the high sensitivity region of the eye for low light levels. This means that the effective lumens actually increase for a metal halide lamp as the light level reduces and the eye shifts to a blue/green peak sensitivity. The ability to detect fine contrast is also significantly better under metal halide sources than sodium, making it a more effective light source in warehouse and retail applications. Studies have shown that metal halide lighting, in some circumstances, can be up to six times as effective as HPS. This can make a difference in peripheral viewing and dark areas where hidden hazards may be present.



## Metal Halide 2005 NEC Changes

The 2005 update to the National Electrical Code (NEC) includes two changes that affect the manufacture and installation of metal halide luminaires. Both changes address methods for preventing risk when metal halide lamps are used.

The purpose of these changes is to prevent possible injury and property damage. Metal halide lamps can explode, shooting hot glass out of the luminaire, or fixture. In an open luminaire - one that does not have a lens - this can result in a fire, personal injury, and property damage. Although violent failure is a rare occurrence (about three incidents per year), the NEC has included these changes to help eliminate the hazard.

In sports facilities, particularly in schools, athletic activity can break the outer jacket of a metal halide lamp used in an open luminaire. When this happens, the arc tube can continue to operate with a damaged or missing outer jacket. This leads to reports of UV over-exposure, including sunburn and a burning sensation around the eyes. The NEC change requires complete lamp enclosure in these facilities, which will provide mechanical protection to reduce the possibility of damage to the outer lamp jacket.

### NEC changes for open luminaires

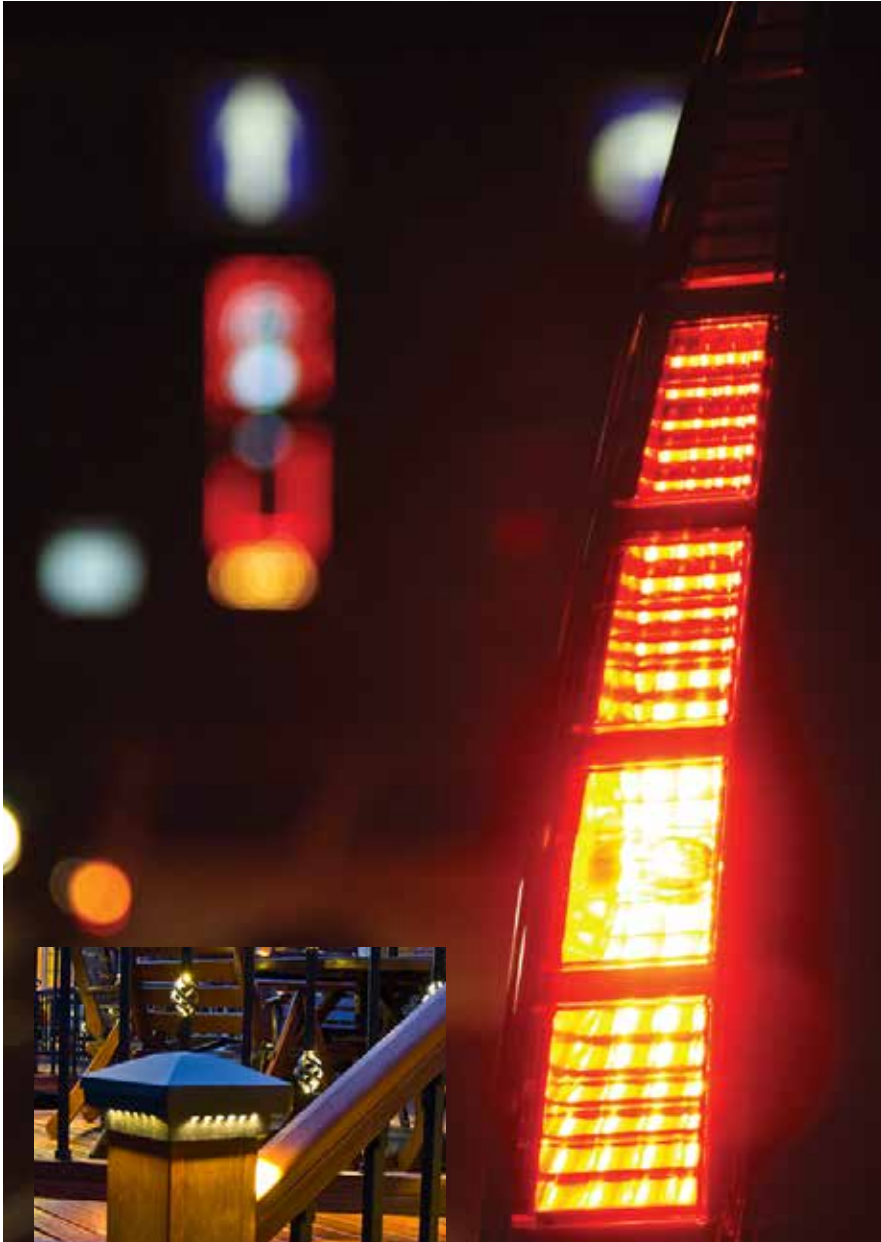
The NEC change regarding open luminaires is the new section 410.73(F)(5) that states, "Metal Halide Lamp Containment. Luminaires (fixtures) that use a metal halide lamp other than a thick-glass parabolic reflector lamp (PAR) shall be provided with a containment barrier that encloses the lamp, or shall be provided with a physical means that only allows the use of a lamp that is Type O."

Therefore, to meet the 2005 NEC requirements, luminaires that use metal halide lamps must either:

- Be enclosed to provide a containment barrier.
- Use a special lampholder that will only accept an ANSI Type O rated metal halide lamp.

### NEC 2005 changes for sporting facilities

The NEC change regarding open luminaires is the new section 410.4(E) that states, "Luminaires (fixtures) subject to physical damage, using a mercury vapor or metal halide lamp, installed in playing and spectator seating areas of indoor sports, mixed-use, or all-purpose facilities shall be of the type that protects the lamp with a glass or plastic lens. Such luminaires (fixtures) shall be permitted to have an additional guard."

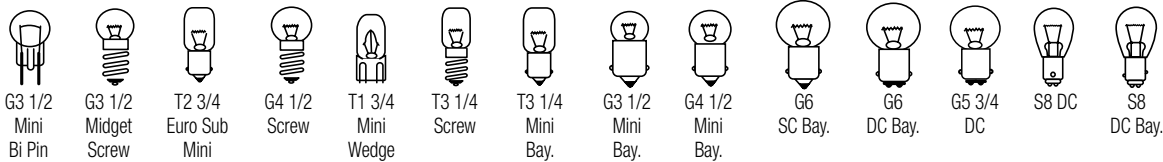


## Many sizes, many applications.

### Accent and indicator lighting

Satco miniatures are perfectly suited for those applications requiring specific sizes and a long lifespan. Miniature bulbs are, by definition, generally small in size and find their way into many applications and are available in a wide variety of filament constructions, bases, and wire terminal leads. Most are designed for operation with low voltage power sources such as battery/generator systems, dry cell or storage batteries, or transformers. Most common uses include flashlights, indicator lights, landscape lights, and appliances.





## Mini Lamps

Satco Prod. #	Lamp Code	Lamp Shape	Base	ANSI Base	Volts	Amps	MSCP	Approx. Watts	Filament	M.O.L. Inches	M.O.D. Inches	Avg. Rated Hours	Pkg. Type	Carton
<b>S6929</b>	10	G3 1/2	Mini Bi Pin	G5	2.5	0.5	0.5	1.25	C-6	15/16	7/16	3000	Box	10
<b>S6930</b>	12	G3 1/2	Mini Bi Pin	G5	6.3	0.15	0.35	0.95	C-6	15/16	7/16	5000	Box	10
<b>S6931</b>	14	G3 1/2	Mini Screw	E10	2.47	0.3	0.5	0.074	C-2R	15/16	7/16	15	Box	10
<b>S6932</b>	19	G3 1/2	Mini Bi Pin	G5	14.4	0.1	0.9	1.44	C-6	15/16	7/16	1000	Box	10
<b>S7019</b>	24	T2 3/4	Euro Sub Mini Wedge	W2x4.6d	14	0.24	0.5	3.4	C-2V	13/16	3/8	1500	Box	10
<b>S7020</b>	27	G4 1/2	Mini Screw	E10	4.9	0.3	1.4	1.47	C-2R	1 5/8	9/16	30	Box	10
<b>S7021</b>	31	G4 1/2	Mini Screw	E10	6.15	0.3	2	1.85	C-2R	1 5/8	9/16	15	Box	10
<b>S7022</b>	37	T1 3/4	Sub Mini Wedge	W2.1x4.9d	14	0.1	-	1.4	C-2F	13/16	1/4	500	Box	10
<b>S6908</b>	40	T3 1/4	Mini Screw	E10	6.3	0.15	0.52	0.95	C-2R	1 3/16	7/16	3000	Box	10
<b>S6909</b>	41	T3 1/4	Mini Screw	E10	2.5	0.5	0.5	1.25	C-2R	1 3/16	7/16	3000	Box	10
<b>S7023</b>	43	T3 1/4	Mini Bay.	BA9s	2.5	0.5	-	1.25	C-2R	1 3/16	7/16	3000	Box	10
<b>S6910</b>	44	T3 1/4	Mini Bay.	BA9s	6.3	0.25	0.9	1.58	C-2R	1 3/16	7/16	3000	Box	10
<b>S7024</b>	45	T3 1/4	Mini Bay.	BA9s	3.2	0.35	-	1.12	C-2R	1 1/4	7/16	3000	Box	10
<b>S6911</b>	46	T3 1/4	Mini Screw	E10	6.3	0.25	0.9	1.58	C-2R	1 3/16	7/16	3000	Box	10
<b>S6912</b>	47	T3 1/4	Mini Bay.	BA9s	6.3	0.15	0.5	0.95	C-2R	1 3/16	7/16	3000	Box	10
<b>S6913</b>	48	T3 1/4	Mini Screw	E10	2	0.06	0.04	0.12	C-6	1 3/16	7/16	1000	Box	10
<b>S7025</b>	49	T3 1/4	Mini Bay.	BA9s	2	0.06	-	2	S2R	1 1/4	7/16	1000	Box	10
<b>S6933</b>	51	G3 1/2	Mini Bay.	BA9s	7.5	0.22	1	1.65	C-2R	1 3/16	7/16	1000	Box	10
<b>S7026</b>	52	G3 1/2	Midget Screw	E5.5	14.4	0.1	-	1.44	C-2V	15/16	7/16	1000	Box	10
<b>S6934</b>	53	G3 1/2	Mini Bay.	BA9s	14.4	0.12	1	1.73	C-2V	15/16	7/16	1000	Box	10
<b>S7835</b>	55	G4 1/2	Mini Bay.	BA9s	7	0.41	2	2.87	C-2R	1 5/8	9/16	200	Box	10
<b>S6935</b>	57	G4 1/2	Mini Bay.	BA9s	14	0.24	2	3.36	C-2V	1 5/8	9/16	500	Box	10
<b>S6946</b>	63	G6	Bi Pin G6	G6	7	0.63	3	4.41	C-6	1 7/16	3/4	1000	Box	10
<b>S7865</b>	64	G6	Bi Pin G6	G6	7	0.63	3	4.41	C-6	1 7/16	3/4	1000	Box	10
<b>S6947</b>	67	G6	Bi Pin G6	G6	13.5	0.59	4	7.97	C-6	1 7/16	3/4	5000	Box	10
<b>S7029</b>	68	G6	Bi Pin G6	G6	13.5	0.59	4	7.97	C-6	1 7/16	3/4	5000	Box	10
<b>S7030</b>	72	G5 3/4	Double Contact	BA15d	22	0.182	-	4	C-2V	1 5/8	3/4	200	Box	10
<b>S6900</b>	73	T1 3/4	Sub Mini Wedge	W2.1x4.9d	14	0.8	0.3	1.12	C-2F	13/16	1/4	15000	Box	10
<b>S7031</b>	74	T1 3/4	Sub Mini Wedge	W2.1x4.9d	14	0.1	-	1.4	C-2F	1/4	1/4	500	Box	10
<b>S7032</b>	81	G6	Single Contact	BA15s	6.5	1.02	-	6.63	C-2R	1 7/16	3/4	500	Box	10
<b>S7033</b>	82	G6	DC Bay.	BA15d	6.5	1.02	6	6.63	C-6	1 7/16	3/4	500	Box	10
<b>S6901</b>	85	T1 3/4	Sub Mini Wedge	W2.1x4.9d	28	0.04	0.3	1.12	C-2F	13/16	1/4	7000	Box	10
<b>S6902</b>	86	T1 3/4	Sub Mini Wedge	W2.1x4.9d	6.3	0.2	0.4	1.26	C-2F	13/16	1/4	20000	Box	10
<b>S7034</b>	87	S8	Double Contact	BA15d	6	2.17	-	13	C-6	-	1	200	Box	10
<b>S6953</b>	88	S8	DC Bay.	BA15d	6.8	1.91	15	12.99	C-6	2	1	300	Box	10



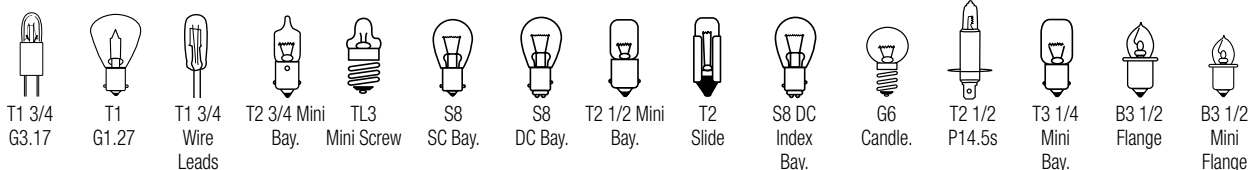






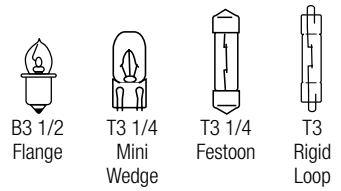






## Mini Lamps (continued)

Satco Prod. #	Lamp Code	Lamp Shape	Base	ANSI Base	Volts	Amps	MSCP	Approx. Watts	Filament	M.O.L. Inches	M.O.D. Inches	Avg. Rated Hours	Pkg. Type	Carton
S7149	7327	T1 3/4	G3.17	G3.17	28	0.04	-	1.12	C-2F	5/8	1/4	4000	Box	10
S7150	7376	T1 3/4	G3.17	G3.17	28	0.065	-	1.82	C-2F	5/8	1/4	5000	Box	10
S7151	7382	T1 3/4	G3.17	G3.17	14	0.08	-	1.12	C-2F	5/8	1/4	50000	Box	10
S7883	7387	T1 3/4	G3.17	G3.17	28	0.04	-	1.12	C-2F	5/8	1/4	7000	Box	10
S7152	7839	T1	G1.27	G1.27	28	0.024	-	0.67	C-2R	3/8	1/8	16000	Box	10
S7155	8610	T1 3/4	Wire Leads	-	6.3	0.2	-	1.26	C-2R	7/16	1/4	5000	Box	10
VJ020	64111	T2 3/4	Mini Bay.	BA9s	12	-	-	5	C-6	1 5/16	3/8	240	Box	10
S7038	112/BP	TL3	Mini Screw	E10	1.2	0.22	-	0.26	S2R	15/16	-	5	Box	10
S6896	1156NA	S8	SC Bay.	BA15s	12.8	2.1	24	26.88	C-6	2	1	1200	Box	10
S6958	1157NA	S8	DC Bay.	BA15d	12.8	2.1	-	26.88	C-6	2	1	1200	Box	10
S6905	120MB	T2 1/2	Mini Bay.	BA9s	120	0.025	-	3	C-2F	1 3/16	5/16	10000	Box	10
S7816	120PSB5	T2	Telephone Slide	TS5	120	0.025	-	3	C-2F	1 1/8	1/4	10000	Box	10
S7056	124/BP	T3 1/4	Mini Wedge	W2.1x9.5d	14	0.27	-	3.78	C2F	1 1/16	-	5000	Box	10
S7815	12PSB	T2	Telephone Slide	TS5	12	0.17	-	2.04	C-2F	1 1/8	1/4	12000	Box	10
S7762	130MB	T2 1/2	Mini Bay.	BA9s	130	0.025	-	0.33	CC-7A	1 3/16	5/16	10000	Box	10
S6960	2057NA	S8	DC Indexed Bay.	Bay.15d	12.8	2.1	-	26.88	C-6	2	1	1200	Box	10
S6906	211-2	Festoon	DE Cap	SF6	12.8	0.97	-	12.42	C-8	1 3/4	-	1000	Box	10
S7093	214-2	T3	DE Cap	SF6	13.5	0.52	-	7.02	C-8	1 3/4	3/8	2000	Box	10
S6962	2357NA	S8	DC Indexed Bay.	Bay.15d	12.8	2.23	-	28.54	C-6	2	1	400	Box	10
S7863	24MB	T2 1/2	Mini Bay.	BA9s	24	0.073	-	1.68	C-2F	1 3/16	5/16	10000	Box	10
S6904	24PSB5	T2	Telephone Slide	TS5	24	0.073	-	1.75	C-2F	1 1/8	1/4	10000	Box	10
S7864	28MB	T2 1/2	Mini Bay.	BA9s	28	0.04	-	1.4	C-2F	1 3/16	5/16	5000	Box	10
S7828	28PSB5	T2	Telephone Slide	TS5	28	-	-	2.04	C-2F	1 1/8	1/4	6000	Box	10
S7832	509K	G6	Candelabra	E12	24	0.18	2.8	4.32	C-2F	1 3/8	3/8	1000	Box	10
S7968	55W/12VH1	T2 1/2	P14.5s	P14.5s	120	-	-	55	C-8	2 7/16	5/16	350	Box	10
S7836	6PSB	T2	Telephone Slide	TS5	6	0.14	-	0.84	C-2F	1 1/8	1/4	15000	Box	10
S7801	NE51H	T3 1/4	Mini Bay.	BA9s	105	-	-	0.14	Neon	1 3/16	7/16	25000	Box	10
S6926	PR12	B3 1/2	Flange	P13.5s	5.95	0.5	-	2.98	C-2R	1 1/4	7/16	15	Box	10
S6927	PR13	B3 1/2	Flange	P13.5s	4.75	0.5	-	2.38	C-2R	1 1/4	7/16	15	Box	10
S7970	PR15	B3 1/2	Single Cont. Mini Flange	P13.5s	4.8	0.5	-	2.4	C-2R	1 1/4	7/16	30	Box	10
S7166	PR16	B3 1/2	Single Cont. Mini Flange	P13.5s	12.5	0.25	-	3.13	C-2R	1 1/4	7/16	50	Box	10
S7167	PR18	B3 1/2	Flange	P13.5s	7.2	0.55	5.5	3.96	C-2R	1 1/4	7/16	3	Box	10
S7168	PR20	B3 1/2	Flange	P13.5s	8.63	0.5	-	4.32	C-2R	1 1/4	7/16	15	Box	10
S6921	PR2	B3 1/2	Flange	P13.5s	2.38	0.5	-	1.19	C-2R	1 1/4	7/16	15	Box	10
S6922	PR3	B3 1/2	Flange	P13.5s	3.57	0.5	-	1.79	C-2R	1 1/4	7/16	15	Box	10
S6928	PR30	B3 1/2	Flange	P13.5s	3.75	0.86	-	3.23	C-2R	1 1/4	7/16	40	Box	10
S6923	PR4	B3 1/2	Flange	P13.5s	2.33	0.27	-	0.63	C-2R	1 1/4	7/16	10	Box	10
S6924	PR6	B3 1/2	Flange	P13.5s	2.47	0.3	-	0.74	C-2R	1 1/4	7/16	30	Box	10



## Mini Lamps (continued)

Satco Prod. #	Lamp Code	Lamp Shape	Base	ANSI Base	Volts	Amps	MSCP	Approx. Watts	Filament	M.O.L. Inches	M.O.D. Inches	Avg. Rated Hours	Pkg. Type	Master/ Inner Carton
<b>S6925</b>	PR7	B3 1/2	Flange	P13.5s	3.7	0.3	-	1.11	C-2R	1 1/4	<b>7/16</b>	30	Box	10
<b>S6101</b>	1210 X	T3 1/4	Mini Wedge	W2.1x9.5d	12	0.833	-	10	C-2R	1 <b>15/16</b>	<b>7/16</b>	3000	Box	1000/10
<b>S6102</b>	1210 XF	T3 1/4	Mini Wedge	W2.1x9.5d	12	0.833	-	10	C-2R	1 <b>15/16</b>	<b>7/16</b>	3000	Box	1000/10

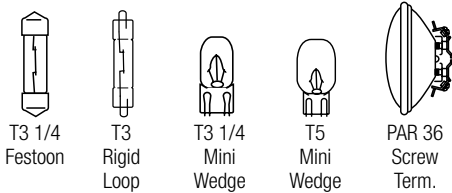
## Festoon Incandescent Lamps

Satco Prod. #	Lamp Code	Lamp Shape	Base	ANSI Base	Volts	Amps	MSCP	Approx. Watts	M.O.L. Inches	M.O.D. Inches	Avg. Rated Hours	Pkg. Type	Master/ Inner Carton
<b>VG020</b>	6411	T3 1/4	Festoon	SV8.5-8	12	0.83	100*	10	1 3/4	<b>7/16</b>	18-Jul	Box	200/10
<b>VG040</b>	6413	T3 1/4	Festoon	SV8.5-8	12	0.4	45*	5	1 3/4	<b>7/16</b>	18-Jul	Box	200/10
<b>S2399</b>	6421	T3 1/4	Festoon	SV8.5-8	24	0.125	18*	3	1 3/4	<b>7/16</b>	26-Sep	Box	200/10
<b>VG100</b>	6424	T3 1/4	Festoon	SV8.5-8	24	0.2	62*	5	1 3/4	<b>7/16</b>	18-Jul	Box	200/10
<b>VG130</b>	6429	T3 1/4	Festoon	SV8.5-8	24	0.42	105*	10	1 3/4	<b>7/16</b>	18-Jul	Box	200/10

\* Lumens

## Festoon & Rigid Xenon Lamps

Satco Prod. #	Lamp Code	Lamp Shape	Base	ANSI Base	Volts	Amps	Approx. Watts	M.O.L. Inches	M.O.D. Inches	Avg. Rated Hours	Pkg. Type	Master/ Inner Carton
<b>S6985</b>	X5T3 1/4 12V Festoon	T3 1/4	Festoon	SV8.5-8	12	0.37	5	1 3/4	<b>7/16</b>	20000	Box	500/10
<b>S6987</b>	X5T3 1/4 24V Festoon	T3 1/4	Festoon	SV8.5-8	24	0.19	5	1 3/4	<b>7/16</b>	15000	Box	500/10
<b>S6989</b>	X5T3 1/4 F Festoon	T3 1/4	Festoon	SV8.5-8	12	0.37	5	1 3/4	<b>7/16</b>	20000	Box	500/10
<b>S6991</b>	X5T3 1/4 F 24V Festoon	T3 1/4	Festoon	SV8.5-8	24	0.19	5	1 3/4	<b>7/16</b>	15000	Box	500/10
<b>S6993</b>	5RLX 12V Rigid Loop	T3	Rigid Loop	Rigid Loop	12	0.417	5	1 <b>11/16</b>	<b>3/8</b>	20000	Box	500/10
<b>S6995</b>	5RLX 24V Rigid Loop	T3	Rigid Loop	Rigid Loop	24	0.208	5	1 <b>11/16</b>	<b>3/8</b>	20000	Box	500/10
<b>S6997</b>	5RLX F 12V Rigid Loop	T3	Rigid Loop	Rigid Loop	12	0.417	5	1 <b>11/16</b>	<b>3/8</b>	20000	Box	500/10
<b>S6999</b>	5RLX F 24V Rigid Loop	T3	Rigid Loop	Rigid Loop	24	0.208	5	1 <b>11/16</b>	<b>3/8</b>	20000	Box	500/10
<b>S6986</b>	X10T3 1/4 12V Festoon	T3 1/4	Festoon	SV8.5-8	12	0.74	10	1 3/4	<b>7/16</b>	20000	Box	500/10
<b>S6988</b>	X10T3 1/4 24V Festoon	T3 1/4	Festoon	SV8.5-8	24	0.39	10	1 3/4	<b>7/16</b>	10000	Box	500/10
<b>S6990</b>	X10T3 1/4 F Festoon	T3 1/4	Festoon	SV8.5-8	12	0.74	10	1 3/4	<b>7/16</b>	20000	Box	500/10
<b>S6992</b>	X10T3 1/4 F Festoon	T3 1/4	Festoon	SV8.5-8	24	0.39	10	1 3/4	<b>7/16</b>	10000	Box	500/10
<b>S6994</b>	10RLX 12V Rigid Loop	T3	Rigid Loop	Rigid Loop	12	0.833	10	1 <b>11/16</b>	<b>3/8</b>	20000	Box	500/10
<b>S6996</b>	10RLX 24V Rigid Loop	T3	Rigid Loop	Rigid Loop	24	0.417	10	1 <b>11/16</b>	<b>3/8</b>	20000	Box	500/10
<b>S6998</b>	10RLX F 12V Rigid Loop	T3	Rigid Loop	Rigid Loop	12	0.833	10	1 <b>11/16</b>	<b>3/8</b>	20000	Box	500/10
<b>S6850</b>	10RLX/F 10W 24V Rigid Loop	T3	Rigid Loop	Rigid Loop	24	0.417	10	1 <b>11/16</b>	<b>3/8</b>	20000	Box	500/10

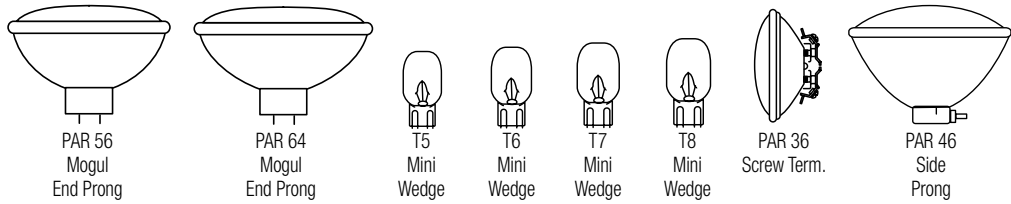


## Wedge Base Xenon Lamps

Satco Prod. #	Lamp Code	Lamp Shape	Base	ANSI Base	Volts	Amps	Approx. Watts	M.O.L. Inches	M.O.D. Inches	Avg. Rated Hours	Pkg. Type	Carton
<b>S6968</b>	X3T3 1/4 12V Wedge	T3 1/4	Mini Wedge	W2.1x9.5d	12	0.41	3	1 5/8	7/16	20000	Box	1000
<b>S6969</b>	X5T3 1/4 12V Wedge	T3 1/4	Mini Wedge	W2.1x9.5d	12	0.37	5	1 5/8	7/16	8000	Box	1000
<b>S6974</b>	X5T3 1/4 24V Wedge	T3 1/4	Mini Wedge	W2.1x9.5d	24	0.21	5	1 5/8	7/16	10000	Box	1000
<b>S6972</b>	X5T3 1/4 F 12V Wedge	T3 1/4	Mini Wedge	W2.1x9.5d	12	0.37	5	1 5/8	7/16	8000	Box	1000
<b>S6976</b>	X5T3 1/4 F 24V Wedge	T3 1/4	Mini Wedge	W2.1x9.5d	24	0.21	5	1 5/8	7/16	10000	Box	1000
<b>S6975</b>	X7.5T3 1/4 24V Wedge	T3 1/4	Mini Wedge	W2.1x9.5d	24	0.31	7.5	1 5/8	7/16	10000	Box	1000
<b>S6977</b>	X7.5T3 1/4 F 24V Wedge	T3 1/4	Mini Wedge	W2.1x9.5d	24	0.31	7.5	1 5/8	7/16	10000	Box	1000
<b>S6979</b>	X7.2T5 24V Wedge	T5	Mini Wedge	W2.1x9.5d	24	0.3	7.2	1 1/2	5/8	2500	Box	1000
<b>S6982</b>	X7.2T5 F 24V Wedge	T5	Mini Wedge	W2.1x9.5d	24	0.3	7.2	1 1/2	5/8	2500	Box	1000
<b>S6980</b>	X10T5 24V Wedge	T5	Mini Wedge	W2.1x9.5d	24	0.42	10	1 1/2	5/8	2000	Box	1000
<b>S6983</b>	X10T5 F 24V Wedge	T5	Mini Wedge	W2.1x9.5d	24	0.42	10	1 1/2	5/8	2000	Box	1000
<b>S6978</b>	X18T5 12V Wedge	T5	Mini Wedge	W2.1x9.5d	12	1.5	18	1 1/2	5/8	10000	Box	1000
<b>S6981</b>	X18T5 12V Wedge	T5	Mini Wedge	W2.1x9.5d	12	1.5	18	1 1/2	5/8	10000	Box	1000

## Halogen Sealed Beam Lamps for General & Display

Satco Prod. #	Lamp Code	Lamp Shape	Base	ANSI Base	Volts	Approx. Watts	Filament	M.O.L. Inches	M.O.D. Inches	Avg. Rated Hours	Pkg. Type	Carton
<b>S4807</b>	36PAR36/CAP/VNSP	PAR36	Screw Terminal	MP2	12	36	CC-8	2 3/4	4 1/2	4000	Box	12
<b>S4808</b>	36PAR36/CAP/NSP	PAR36	Screw Terminal	MP2	12	36	CC-8	2 3/4	4 1/2	4000	Box	12
<b>S4809</b>	36PAR36/CAP/WFL	PAR38	Screw Terminal	MP2	12	36	CC-8	2 3/4	4 3/4	4000	Box	12
<b>S4806</b>	50PAR36CAPNSP	PAR36	Screw Terminal	MP2	12	50	CC-8	2 3/4	4 1/2	4000	Box	12
<b>S4668</b>	500PAR56Q/NSP	PAR56	Mogul End Prong	GX16d	120	500	CC-6	5	7	4000	Box	12
<b>S4669</b>	500PAR56Q/MFL	PAR56	Mogul End Prong	GX16d	120	500	CC-6	5	7	4000	Box	12
<b>S4670</b>	500PAR56Q/WFL	PAR56	Mogul End Prong	GX16d	120	500	CC-6	5	7	4000	Box	12
<b>S4671</b>	1000PAR64Q/NSP	PAR64	Mogul End Prong	GX16d	120	1000	CC-6	6	8	4000	Box	6
<b>S4672</b>	1000PAR64Q/MFL	PAR64	Mogul End Prong	GX16d	120	1000	CC-6	6	8	4000	Box	6
<b>S4673</b>	1000PAR64Q/WFL	PAR64	Mogul End Prong	GX16d	120	1000	CC-6	6	8	4000	Box	6



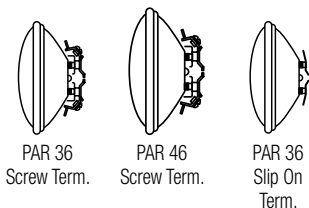
## Landscape Lamps 12V – 4PK Card

Satco Prod. #	Lamp Code	Lamp Shape	Base	ANSI Base	Volts	Approx. Watts	Filament	M.O.L. Inches	M.O.D. Inches	Avg. Rated Hours	Pkg. Type	Carton
<b>S4551</b>	4T5	T5	Mini Wedge	W2.1x9.5d	12	4	C-2R	5/8	5/8	1000	CD/4	20
<b>S4552</b>	7T5	T6	Mini Wedge	W2.1x9.5d	12	7	C-2R	5/8	3/4	1000	CD/4	20
<b>S4553</b>	11T5	T7	Mini Wedge	W2.1x9.5d	12	11	C-2R	5/8	7/8	1000	CD/4	20
<b>S4554</b>	18T5	T8	Mini Wedge	W2.1x9.5d	12	18	C-2R	5/8	1	1000	CD/4	20

## Incandescent Sealed Beam Lamps for General & Display

Satco Prod. #	Lamp Code	Lamp Shape	Base	ANSI Base	Volts	Approx. Watts	Filament	M.O.L. Inches	M.O.D. Inches	Avg. Rated Hours	Pkg. Type	Carton
<b>S4804 ▲</b>	50PAR36/WFL	PAR36	Screw Terminal	MP2	12	50	C-6	2 3/4	4 1/2	2000	Box	12
<b>S4342 ▲</b>	200PAR46/3NSP	PAR46	Side Prong	MSPG	120	200	CC-13	4	5 3/4	2000	Box	12
<b>S4340 ▲</b>	200PAR46/3MFL	PAR46	Side Prong	MSPG	120	200	CC-13	4	5 3/4	2000	Box	12
<b>S4344 ▲</b>	200PAR56/MFL	PAR56	Mogul End Prong	GX16d	120	200	CC-13	5	7	2000	Box	12
<b>S4963 ▲</b>	300PAR56/NSP	PAR56	Mogul End Prong	GX16d	120	300	CC-13	5	7	2000	Box	12
<b>S4810 ▲</b>	300PAR56/MFL	PAR56	Mogul End Prong	GX16d	120	300	CC-13	5	7	2000	Box	12
<b>S4346 ▲</b>	300PAR56/MFL	PAR56	Mogul End Prong	GX16d	130	300	CC-13	5	7	2000	Box	12
<b>S4811 ▲</b>	300PAR56/WFL	PAR56	Mogul End Prong	GX16d	120	300	CC-13	5	7	2000	Box	12
<b>S4348 ▲</b>	500PAR64/NSP	PAR64	Mogul End Prong	GX16d	120	500	CC-13	6	8	2000	Box	6
<b>S4349 ▲</b>	500PAR64/MFL	PAR64	Mogul End Prong	GX16d	120	500	CC-13	6	8	2000	Box	6
<b>S4351 ▲</b>	500PAR64/WFL	PAR64	Mogul End Prong	GX16d	120	500	CC-13	6	8	2000	Box	6

▲ Product by one of the Primary lamp manufacturers.



## Sealed Beam Lamps for Equipment

Satco Prod. #	Lamp Code	Lamp Shape	Base	ANSI Base	Volts	Approx. Watts	M.O.L. Inches	M.O.D. Inches	Avg. Rated Hours	Pkg. Type	Carton
S4300	4014	PAR36	Screw Terminal	MP2	6.4	18	2 ¾	4 ½	200	Box	12
S4301	4042	PAR36	Screw Terminal	MP2	6.4	12	2 ¾	4 ½	150	Box	12
S4302	4044	PAR36	Screw Terminal	MP2	12	12	2 ¾	4 ½	150	Box	12
S4303	4405	PAR36	Screw Terminal	MP2	12.8	30	2 ¾	4 ½	100	Box	12
S4304	4406	PAR36	Screw Terminal	MP2	12.8	35	2 ¾	4 ½	300	Box	12
S4305	4411	PAR36	Screw Terminal	MP2	12.8	35	2 ¾	4 ½	300	Box	12
S4306	4414	PAR36	Screw Terminal	MP2	12.8	18	2 ¾	4 ½	300	Box	12
S4307	4415	PAR36	Screw Terminal	MP2	12.8	35	2 ¾	4 ½	300	Box	12
S4316	4416	PAR36	Screw Terminal	MP2	12.8	30	2 ¾	4 ½	100	Box	12
S4335	4435	PAR46	Screw Terminal	MP2	12.8	30	2 ¾	5 ¾	100	Box	12
S4317	4446	PAR36	Screw Terminal	MP2	12.8	25	2 ¾	4 ½	300	Box	12
S4318	4502	PAR36	Screw Terminal	MP2	28	50	2 ¾	4 ½	400	Box	12
S4319	4505	PAR36	Screw Terminal	MP2	28	50	2 ¾	4 ½	400	Box	12
S4320	4509	PAR36	Screw Terminal	MP2	13	100	2 ¾	4 ½	25	Box	12
S4321	4510	PAR36	Screw Terminal	MP2	6.4	25	2 ¾	4 ½	300	Box	12
S4322	4515	PAR36	Screw Terminal	MP2	6.4	30	2 ¾	4 ½	100	Box	12
S4323	4516	PAR36	Screw Terminal	MP2	6.2	30	2 ¾	4 ½	300	Box	12
S4324	4535	PAR46	Screw Terminal	MP2	6.4	30	2 ¾	5 ¾	100	Box	12
S4336	4546	PAR36	Screw Terminal	MP2	4.7	2.35	2 ¾	4 ½	100	Box	12
S4333	7613	PAR36	Screw Terminal	MP2	6	8	2 ¾	4 ½	50	Box	12
S4334	7672-1	PAR36	Slip On Terminal	SOT2	6	7.2	2 ¾	4 ½	50	Box	12

## Sealed Beam Lamps for Equipment

Satco Prod. #	Lamp Code	Lamp Shape	Base	ANSI Base	Volts	Approx. Watts	M.O.L. Inches	M.O.D. Inches	Avg. Rated Hours	Pkg. Type	Carton
S4325	H7550	PAR36	Screw Terminal	MP2	6	8	2 ¾	4 ½	50	Box	12
S4326	H7551	PAR36	Screw Terminal	MP2	6	8	2 ¾	4 ½	50	Box	12
S4327	H7552	PAR36	Screw Terminal	MP2	6	10	2 ¾	4 ½	50	Box	12
S4328	H7553	PAR36	Screw Terminal	MP2	6	12	2 ¾	4 ½	50	Box	12
S4329	H7554	PAR36	Screw Terminal	MP2	6	20	2 ¾	4 ½	50	Box	12
S4330	H7555	PAR36	Screw Terminal	MP2	12	8	2 ¾	4 ½	50	Box	12
S4331	H7556	PAR36	Screw Terminal	MP2	6	6	2 ¾	4 ½	50	Box	12
S4332	H7557	PAR36	Screw Terminal	MP2	12	12	2 ¾	4 ½	50	Box	12



## The right power for the job.

### **Operates a variety of lamps.**

Satco has a wide variety of HID ballasts to operate the wide variety of metal halide, high pressure sodium, and low pressure sodium available in today's marketplace.

### **Purpose of a ballast.**

Like fluorescent lamps, HID are gas discharge lamps. Light is produced by an arc discharge between two electrodes located at opposite ends of an arc tube within the lamp's outer glass envelope. The ballast is the lamp's power supply, providing the proper starting and operating current and voltage to start and sustain this arc.

## MH Magnetic Ballasts – Pulse Start (5 Tap is a SKU reducer)

Primary Lamp Type	Tap	Satco Product #	Ballast Code	Circuit Type	ANSI	Start Method	Title 20	Carton
50W PS	5	LPT83602	P50ML5AC3 PULSE MH50	CWA	M110	PULSE	N	1
70W PS	5	LPT88603	P70ML5AA3 PULSE MH70	HX-HPF	M98, M85	PULSE	N	1
100W PS	5	LPT88604	P100ML5AA3 PULSE MH100	HX-HPF	M90	PULSE	N	1
150W PS	5	LPT88605	P150ML5AA3 PULSE MH150	CWA	M102, M81	PULSE	N	1
250W PS	5	LPT88608	P250ML5AA4 PULSE MH250	CWA	M138, M153	PULSE	N	1
320W PS	5	LPT88609	P320ML5AA4 PULSE MH320	CWA	M132, M154	PULSE	N	1
350W PS	5	LPT88610	P350ML5AA4 PULSE MH350	CWA	M131	PULSE	N	1
400W PS	5	LPT88611	P400ML5AA4 PULSE MH400	CWA	M135, M155	PULSE	N	1
750W PS	5	LPT88613	P750ML5AA5 PULSE MH750	CWA	M149	PULSE	N	1
1000W PS	5	LPT84614	P1000ML5AB5 PULSE MH1000	CWA	M141	PULSE	N	1
175W PS	4	LPT85506	P175MLTEC4 PULSE MH175	CWA	M137, M152	PULSE	Y	1
200W PS	4	LPT85507	P200MLTEC4 PULSE MH200	CWA	M136	PULSE	Y	1
250W PS	4	LPT85508	P250MLTEC4 PULSE MH250	CWA	M138, M153	PULSE	Y	1
320W PS	4	LPT85509	P320MLTEC4 PULSE MH320	CWA	M132, M154	PULSE	Y	1
350W PS	4	LPT85510	P350MLTEC4 PULSE MH350	CWA	M131	PULSE	Y	1
400W PS	4	LPT85511	P400MLTEC4 PULSE MH400	CWA	M135, M155	PULSE	Y	1
70W PS	3	LPT83703	P70TRILC3 PULSE MH70	HX-HPF	M98, M85	PULSE	N	1
100W PS	3	LPT83704	P100TRILC3 PULSE MH100	HX-HPF	M90, M140	PULSE	N	1
150W PS	3	LPT83705	P150TRILC3 PULSE MH150	HX-HPF	M102, M142	PULSE	N	1
175W PS	3	LPT83706	P175TRILC3 PULSE MH175	CWA	M137, M152	PULSE	–	1
200W PS	3	LPT83707	P200TRIAC3 PULSE MH200	CWA	M136	PULSE	–	1
250W PS	3	LPT83708	P250TRIAC4 PULSE MH250	CWA	M138, M153	PULSE	–	1
320W PS	3	LPT83709	P320TRIAC4 PULSE MH320	CWA	M132, M154	PULSE	–	1
350W PS	3	LPT83710	P350TRIAC4 PULSE MH350	CWA	M131	PULSE	–	1
400W PS	3	LPT83711	P400TRIAC4 PULSE MH400	CWA	M135, M155	PULSE	–	1
750W PS	3	LPT83713	P750TRIAC5 PULSE MH750	CWA	M149	PULSE	–	1
1000W PS	3	LPT83714	P1000TRIAC5 PULSE MH1000	CWA	M141	PULSE	–	1
750W PS	480/120	LPT83413	P75048TAC5 PULSE MH750	CWA	M149	PULSE	N	1

## MH Magnetic Ballasts – Probe Start (5 Tap is a SKU reducer)

Primary Lamp Type	Tap	Satco Product	Ballast Code	Circuit Type	ANSI	Start Method	Title 20	Carton
<b>MH175</b>	5	<b>LPT87606</b>	M175ML5AA3 PROBE MH175	CWA	M57	PROBE	N	1
<b>MH250</b>	5	<b>LPT87608</b>	M250ML5AA4 PROBE MH250	CWA	M58	PROBE	N	1
<b>MH400</b>	5	<b>LPT87611</b>	M400ML5AA4 PROBE MH400	CWA	M59	PROBE	N	1
<b>MH1000</b>	5	<b>LPT87614</b>	M1000ML5AA5 PROBE MH1000	CWA	M47	PROBE	N	1
<b>MH1500</b>	5	<b>LPT81615</b>	M1500ML5AC5 PROBE MH1500	CWA	M48	PROBE	N	1
<b>MH175</b>	4	<b>LPT81506</b>	M175MLTAC3 PROBE MH175	CWA	M57	PROBE	N	1
<b>MH400</b>	4	<b>LPT81511</b>	M400MLTAC4 PROBE MH400	CWA	M59	PROBE	N	1
<b>MH1000</b>	4	<b>LPT81514</b>	M1000MLTAC5 PROBE MH1000	CWA	M47	PROBE	N	1
<b>MH1500</b>	4	<b>LPT89515</b>	M1500MLTAB5 PROBE MH1500	CWA	M48	PROBE	N	1
<b>MH400</b>	480/120	<b>LPT81411</b>	M40048TAC4 PROBE MH400	CWA	M59	PROBE	N	1
<b>MH1000</b>	480/120	<b>LPT81414</b>	M100048TAC5 PROBE MH1000	CWA	M47	PROBE	N	1
<b>MH175</b>	3	<b>LPT81706</b>	M175TRIAC3 PROBE MH175	CWA	M57	PROBE	N	1
<b>MH250</b>	3	<b>LPT81708</b>	M250TRIAC4 PROBE MH250	CWA	M58	PROBE	N	1
<b>MH2400</b>	3	<b>LPT81711</b>	M400TRIAC4 PROBE MH400	CWA	M59	PROBE	N	1
<b>MH1000</b>	3	<b>LPT81714</b>	M1000TRIAC5 PROBE MH1000	CWA	M47	PROBE	N	1

## HPS Magnetic Ballasts – 5 & 4 Tap

Primary Lamp Type	Tap	Satco Product #	Ballast Code	Circuit Type	ANSI	Start Method	Title 20	Carton
<b>250W HPS</b>	5	<b>LPT86608</b>	S250ML5AA4 HPS250	CWA	S50	–	N	1
<b>400W HPS</b>	5	<b>LPT86611</b>	S400ML5AA4 HPS400	CWA	S51	–	N	1
<b>600W HPS</b>	5	<b>LPT86612</b>	S600ML5AA4 HPS600	CWA	S106	–	N	1
<b>1000W HPS</b>	5	<b>LPT86614</b>	S1000ML5AA5 HPS1000	CWA	S52	–	N	1
<b>50W HPS</b>	4	<b>LPT82502</b>	S50MLTLC3 HPS50	HX-HPF	S68	–	N	1
<b>70W HPS</b>	4	<b>LPT82503</b>	S70MLTLC3 HPS70	HX-HPF	S62	–	N	1
<b>100W HPS</b>	4	<b>LPT82504</b>	S100MLTLC3 HPS100	HX-HPF	S54	–	N	1
<b>150W HPS</b>	4	<b>LPT82505</b>	S150MLTLC3 HPS150	HX-HPF	S55	–	N	1
<b>200W HPS</b>	4	<b>LPT86507</b>	S200MLTAA4 HPS200	CWA	S66	–	N	1



## HPS Magnetic Ballasts – 3 Tap

Primary Lamp Type	Tap	Satco Product #	Ballast Code	Circuit Type	ANSI	Input Voltage	Title 20	Carton
50W HPS	3	LPT82702	S50TRILC3 HPS50	HX-HPF	S68	120/277/347	N	1
70W HPS	3	LPT82703	S70TRILC3 HPS70	HX-HPF	S62	120/277/347	N	1
100W HPS	3	LPT82704	S100TRILC3 HPS100	HX-HPF	S54	120/277/347	N	1
150W HPS	3	LPT82705	S150TRILC3 HPS150	HX-HPF	S55	120/277/347	N	1
250W HPS	3	LPT82708	S250TRIAC4 HPS250	CWA	S50	120/277/347	N	1
400W HPS	3	LPT82711	S400TRILC4 HPS400	CWA	S51	120/277/347	N	1
1000W HPS	3	LPT82714	S1000TRIAC5 HPS1000	CWA	S52	120/277/347	N	1

## MH Electronic Ballasts – Ceramic Type

Primary Lamp Type	# of Lamps	Input Voltage	Satco Product	Ballast Code	Mounting	L x W x H (Inches)	Carton
CDM20	1	120	S6792	HQEB/MH20/120LA2F 120V SQUARE	FCAN	3 ½ x 3 x 1 ¼	40
CDM70	1	120	S6793	HQEB/MH39/120LA2F 120V SQUARE	FCAN	3 ½ x 3 x 1 ¼	40
CDM100	1	120	S6794	HQEB/MH50/120LA2F 120V SQUARE	FCAN	3 ½ x 3 x 1 ¼	40
CDM35, 39	1	UNV	S6795*	HQEB/MH35/123L2AF UNV RECTANGLE	JCAN	5 ½ x 3 5/8 x 1 ½	20
CDM70	1	UNV	S6796*	HQEB/MH70/123L2AF UNV RECTANGLE	JCAN	5 ½ x 3 5/8 x 1 ½	20
CDM100	1	UNV	S6797*	HQEB/MH100/123L2AF UNV RECTANGLE	JCAN	5 ½ x 3 5/8 x 1 ½	20
CDM70	1	UNV	S6799	HQEB/MH70/123L1AF UNV RECTANGLE	FCAN	5 ½ x 3 5/8 x 1 ½	20
CDM100	1	UNV	S6800	HQEB/MH100/123L1AF UNV RECTANGLE	FCAN	5 ½ x 3 5/8 x 1 ½	20
CDM150	1	UNV	S6801	HQEB/MH150/123L1AF UNV RECTANGLE	FCAN	5 ½ x 3 5/8 x 1 ½	20
CDM150	1	UNV	S6804*	HQEB/MH150/123L2AF UNV RECTANGLE	JCAN	6 ½ x 3 5/8 x 1 ½	20

\* Bottom Feed Studs

## Hydroponic/Horticulture Ballasts – Fan Cooled

Primary Lamp Type	Tap	Satco Product #	Ballast Code	Dimming Options	L x W x H (Inches)	Carton
400W HPS MH	120-240V	S2791	400W DIMM 120/240V MH/HPS W/120V 8FT PLUG	150W/250W/400W	9 13/16 x 4 ½ x 2 13/16	4
600W HPS MH	120-240V	S2792	600W DIMM 120/240V MH/HPS W/120V 8FT PLUG	250W/400W/600W	12 x 4 ½ x 2 13/16	4
1000W HPS MH	120-240V	S2793	1000W DIMM 120/240V MH/HPS W/120V 8FT PLUG	600W/750W/1000W	14 7/16 x 4 ½ x 2 13/16	4
CORD FOR 240V	240V	S2794	8FT 240V POWER CORD FOR S2791 S2792 S2793	–	–	1

### NOTES – Taps Defined:

5 Tap: 120/208/240/277/480V      3 Tap: 120/208/347V

4 Tap: 120/208/240/277V      UNV: 120 – 277V



## Reliable, steady power.

### A necessary function.

In a fluorescent lighting system, the ballast regulates the current to the lamps and provides sufficient voltage to start them.

### Types of ballasts.

Ballasts consume electricity while providing the necessary circuit conditions; voltage, current, and wave form, to start and operate fluorescent lamps. There are three types of ballasts for commercial applications: magnetic, hybrid, and electronic.

Modern ballast designs use advanced electronics to more precisely regulate the current flowing through the electrical circuit. Since they use a higher cycle rate, you don't generally notice a flicker or a humming noise coming from an electronic ballast. Different lamps require specialized ballasts designed to maintain the specific voltage and current levels needed for varying tube designs.



## T8 Instant Start, Program Start, Universal Voltage Ballasts

Primary Lamp Type	# of Lamps	Input Voltage	Satco Product #	Ballast Code	NAED Code	Wiring Method	Carton
<b>F32T8</b>	1	120/277	<b>S5207</b>	QTP1X32T8/UNIV/ISN/SC	49941	Leads	10
	2	120/277	<b>S5208</b>	QTP2X32T8/UNIV/ISN/SC	49943	Leads	10
	3	120/277	<b>S5209</b>	QTP3X32T8/UNIV/ISN/SC	49945	Leads	10
	4	120/277	<b>S5210</b>	QTP4X32T8/UNIV/ISN/SC	49947	Leads	10
	1,2	120/277	<b>LPT80210*</b>	DB232N-MV-TP-HE	80210	Leads	10
	3	120/277	<b>LPT80213*</b>	DB332N-MV-TP-HE	80213	Leads	10
	4	120/277	<b>LPT80215*</b>	DB432N-MV-TP-HE	80215	Leads	10
<b>F32T8</b>	1	120/277	<b>S5286</b>	QHE1X32T8/UNV/PSN/TC	51397	Leads	10
	2	120/277	<b>S5287</b>	QHE2X32T8/UNV/PSN/TC	51408	Leads	10
	3	120/277	<b>S5288</b>	QHE3X32T8/UNV/PSN/TC	51413	Leads	10
	4	120/277	<b>S5289</b>	QHE4X32T8/UNV/PSN/TC	51418	Leads	10
				<ul style="list-style-type: none"> <li>• Listed for: FB016, F017, FB024, F025, FB031, F032, F040 &amp; SS Equivalents</li> <li>• Can operate 1 lamp on 2 lamp ballast, 2 lamps on 3 lamp ballast, 3 lamps on 4 lamp ballast</li> <li>• For 40T8 operation use 1 lamp on 2 lamp ballast, 2 lamps on 3 lamp ballast, 3 lamps on 4 lamp ballast</li> </ul>			
<b>F96T8</b>	1, 2	120/277	<b>S5213</b>	QTP2X59T8/UNIV/ISN/SC	49598	Leads	10
	1, 2	120/277	<b>LPT80219</b>	DB259-MV-TP-PIC-SL	80219	Leads	10
				<ul style="list-style-type: none"> <li>• Listed for: F096T8 &amp; SS Equivalents</li> <li>• Can operate 1 lamp on 2 lamp ballast</li> </ul>			

\* Shrink wrapped for retail.

## T12 Instant Start / Rapid Start Electronic Ballasts

Primary Lamp Type	# of Lamps	Input Voltage	Satco Product #	Ballast Code	NAED Code	Wiring Method	Carton
<b>F40T12</b>	1, 2	120/277	<b>S5260*</b>	DB240-MV-RSN BALLAST UNV	80205	Leads	20
					<ul style="list-style-type: none"> <li>• Listed for: F40T12, F30T12, F25T12 Lamp(s)</li> </ul>		
<b>F96T12</b>	1, 2	120/277	<b>S6697*</b>	DB275ISMV	80206	Leads	20

\* Shrink wrapped for retail.

## T12 T8 HO Instant Start / Rapid Start / Program Start

Primary Lamp Type	# of Lamps	Input Voltage	Satco Product #	Ballast Code	NAED Code	Wiring Method	Carton
<b>T12/RS/HO</b>	1, 2	120/277	<b>Y75303</b>	QTP2X96T12/HO/UNV	50319	Leads	4
	1, 2	120/277	<b>LPT80224</b>	DB-2110-RS-MV	80224	Leads	20
<b>T8/PS/HO</b>	1, 2	120/277	<b>Y50304</b>	QHE2X86T8/HO/UNV/PSN/HT-B	50304	Leads	10
<b>T8/IS/HO</b>	1, 2	120/277	<b>LPT80237</b>	DB-286HO-MV-TP-IS	80237	Leads	10

## T5 Programmed Start, Universal Voltage Ballasts

Primary Lamp Type	# of Lamps	Input Voltage	Satco Product #	Ballast Code	NAED Code	Wiring Method	Carton
<b>FP28T5</b>	1	120/277	<b>S5221</b>	QTP1X28T5/UNIV/PSN/NL	49171	Wiretap Connections	20
	2	120/277	<b>S5222</b>	QTP2X28T5/UNIV/PSN/NL	49181	Wiretap Connections	20
<ul style="list-style-type: none"> <li>• Listed for: FP14, FP21, FP28, FP35 Lamp(s)</li> </ul>							

## T5 HO Programmed Start, Universal Voltage Ballasts

Primary Lamp Type	# of Lamps	Input Voltage	Satco Product #	Ballast Code	NAED Code	Wiring Method	Carton
<b>FP24T5</b>	2	120/277	<b>S5215</b>	QHE2X3924T5HO/UNV/NL	51479	Wiretap Connections	20
<b>FP24T5 &amp; F39T5</b>	1,2	120/277	<b>LPT80239</b>	DB2S39PS-MV	80239	Leads	10
<ul style="list-style-type: none"> <li>• Listed for: FPC22T5, FPC24T5HO, FT24DL, CF24DF, FT36DL, FP39T5HO, FPC40T5 Lamp(s)</li> </ul>							
<b>FP54T5</b>	1	120/277	<b>S5218</b>	QTP1X54T5HO/UNV/PSN/NL	49121	Wiretap Connections	20
	2	120/277	<b>S5219</b>	QHE2X54T5HO/UNV/PSN/NL	51471	Wiretap Connections	20
	1,2	120/277	<b>LPT80218</b>	DB-254HO-MV-TP-PS-SL	80218	Leads	10
	1,2	347/480	<b>LPT80230</b>	DB254HO-480-TP-PS-SL	80230	Leads	10
	3,4	120/277	<b>LPT80236</b>	DB4M54-PS-MV-90	80236	Leads	10
<ul style="list-style-type: none"> <li>• Listed for: FP54T5/HO, FT55DL, FPC55 Lamp(s)</li> </ul>							
<b>FP80T5</b>	1	120/277	<b>S5220</b>	QTP1X80T5HO/UNV/PSN/NL	49150	Wiretap Connections	20
<ul style="list-style-type: none"> <li>• Listed for: FP54T5/HO, FP80, FT80DL Lamp(s)</li> </ul>							

## FT40DL Instant Start, Universal Voltage Ballasts

Primary Lamp Type	# of Lamps	Input Voltage	Satco Product #	Ballast Code	NAED Code	Wiring Method	Carton
<b>FT40</b>	1	120/277	<b>Y49428</b>	QHE1X40DL/UNIV ISN-SC	49428	Leads	10
	2	120/277	<b>Y49429</b>	QHE2X40DL/UNIV ISN-SC	49429	Leads	10
	3	120/277	<b>Y49430</b>	QHE3X40DL/UNIV ISN-SC	49430	Leads	10
<ul style="list-style-type: none"> <li>• Listed for: FT40DL/28W/SS/IS</li> </ul>							

## Circline Instant Start, Dedicated Voltage Ballasts

Primary Lamp Type	# of Lamps	Input Voltage	Satco Product #	Ballast Code	NAED Code	Wiring Method	Carton
<b>FC6, FC8</b>	1	120	<b>S5296</b>	DB1S26RS120N W/SOCKET	80225	Leads & Socket	60
<b>FC12, 16, 30</b>	1	120	<b>S5297</b>	DB1S40RS120N W/SOCKET	80226	Leads & Socket	60
<b>FC8 &amp; 12</b>	2	120	<b>S5298</b>	DB2S2232RS120N W/SOCKET	80227	Leads & Socket	60
<b>FC12 &amp; 16</b>	2	120	<b>S5299</b>	DB2S3240RS120N W/SOCKET	80228	Leads & Socket	60

## Compact Fluorescent Programmed Start, Universal Voltage Ballasts

Primary Lamp Type	# of Lamps	Input Voltage	Satco Product #	Ballast Code	NAED Code	Wiring Method	Carton
<b>CF13</b>	1,2	120/277	<b>S5225</b>	QTP1/2X13CF/UNV/DM	51818	Wiretap Connections	20
<ul style="list-style-type: none"> <li>• Listed for: 1 or 2 CF13DD/E or CF13DT/E Lamp(s)</li> </ul>							
<b>CF18</b>	1,2	120/277	<b>S5226</b>	QTP1/2X18CF/UNV/DM	51823	Wiretap Connections	20
<b>CF13 &amp; CF18</b>	1,2	120/277	<b>LPT80207</b>	DBC218MVRSN/KIT	80207	Wiretap Connections	20
<ul style="list-style-type: none"> <li>• Listed for: 1 or 2 CF18DD/E or CF18DT/E Lamp(s)</li> </ul>							
<b>CF26</b>	1,2	120/277	<b>S5229</b>	QTP1/2X26CF/UNV/Dual Entry	51833	Wiretap Connections	20
<b>CF26</b>	2	120/277	<b>LPT80208</b>	DBC226MVRSN/KIT	80208	Wiretap Connections	20
<ul style="list-style-type: none"> <li>• Listed for: 1 or 2 CF26DD/E or CF26DT/E Lamp(s)</li> <li>• Also Listed for: 1 ea. CF32DT/E, CF42DT/E, F28/2D, F38/2D, FPC40T5, FT40DL Lamp</li> <li>• Also Listed for: 2 ea. CF13DS/E, FT18DL/RS, CF18DF, F21/2D Lamps</li> </ul>							
<b>CF26</b>	1,2	120/277	<b>S5233</b>	QTP2X26CF/UNV DM PEM	51898	Wiretap Connections	16
<b>CF32, 42</b>	1	120/277					
<ul style="list-style-type: none"> <li>• Listed for: 1 or 2 CF26DD/E or CF26DT/E Lamp(s)</li> <li>• Also Listed for: 1 ea. CF32DT/E or CF42DT/E Lamp</li> </ul>							
<b>CF26, 32, 42</b>	1,2	120/277	<b>S5235</b>	QTP2X26/32/42CF/UNV DM	51843	Wiretap Connections	20
<b>CF57, 70</b>	1	120/277					
<b>CF26, 32, 42</b>	1,2	120/277	<b>LPT80204</b>	DBC242MVRSN/KIT	80204	Wiretap Connections	20
<b>CF57, 70</b>	1	120/277					
<ul style="list-style-type: none"> <li>• Listed for: 1 or 2 CF26DD/E or CF26DT/E Lamp(s)</li> <li>• Also Listed for: 1 ea. CF32DT/E or CF42DT/E Lamp</li> </ul>							

## T12 (800mA) Electronic Sign Ballasts

Primary Lamp Type	# of Lamps	Input Voltage	Satco Product #	Ballast Code	Total Lamp Length	Carton
<b>T12/RS/HO</b>	1 – 2	120/277	<b>LPT80239</b>	DB-0216-12-MV-TP	2 ft. – 16 ft.	1
	1 – 4	120/277	<b>LPT80240</b>	DB-1040-14-MV-TP	10 ft. – 40 ft.	1
	1 – 4	120/277	<b>LPT80241</b>	DB-0432-14-MV-TP	4 ft. – 32 ft.	1
	4 – 6	120/277	<b>LPT80242</b>	DB-0848-46-MV-TP	8 ft. – 48 ft.	1
<ul style="list-style-type: none"> <li>• Listed for all T12 HO lamps 18" thru 96": F18T12, F24T12, F30T12, F42T12, F48T12/SS, F48T12, F60T12, F64T12, F72T12, F84T12, F96T12/SS, F96T12/CT, F96T12</li> </ul>						

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4SBAKPAK	26	LPT80230	124	LPT85511	119	S1922	54	S1978	62
8BAKPAK	26	LPT80236	124	LPT86507	120	S1923	56	S1979	53
A3620	77	LPT80237	123	LPT86608	120	S1924	51	S1980	53
A3631	79	LPT80239	124	LPT86611	120	S1925	56	S1981	53
A3632	82	LPT80239	125	LPT86612	120	S1926	56	S1982	53
A3634	79	LPT80240	125	LPT86614	120	S1927	101	S1983	54
A3635	82	LPT80241	125	LPT87606	120	S1928	101	S1984	54
A3637	79	LPT80242	125	LPT87608	120	S1929	101	S1986	50
A3638	82	LPT81411	120	LPT87611	120	S1930	101	S1987	50
A3641	84	LPT81414	120	LPT87614	120	S1931	101	S1989	57
A3644	84	LPT81506	120	LPT88603	119	S1932	101	S1990	57
A3645	84	LPT81511	120	LPT88604	119	S1933	102	S1991	57
A3648	84	LPT81514	120	LPT88605	119	S1934	102	S1992	58
A3662	88	LPT81615	120	LPT88608	119	S1935	102	S1993	58
A3663	88	LPT81706	120	LPT88609	119	S1936	102	S1994	59
A3665	83	LPT81708	120	LPT88610	119	S1937	102	S1995	58
A3668	83	LPT81711	120	LPT88611	119	S1938	102	S1996	58
A3673	77	LPT81714	120	LPT88613	119	S1939	102	S1998	102
A3675	83	LPT82502	120	LPT89515	120	S1940	101	S2200	67
A3677	77	LPT82503	120	MULTIBAKPAK	26	S1941	101	S2201	67
A3679	83	LPT82504	120	S1383	78	S1950	57	S2202	67
A3682	79	LPT82505	120	S1820	80	S1951	57	S2203	67
A3683	82	LPT82702	121	S1821	85	S1952	58	S2204	67
A3684	87	LPT82703	121	S1822	91	S1953	58	S2228	56
A3685	79	LPT82704	121	S1823	85	S1954	58	S2231	67
A3686	82	LPT82705	121	S1824	80	S1955	58	S2232	67
A3687	87	LPT82708	121	S1825	85	S1956	58	S2233	68
A3688	79	LPT82711	121	S1826	91	S1957	58	S2234	68
A3689	82	LPT82714	121	S1900	18	S1958	58	S2235	68
A3690	87	LPT83413	119	S1902	18	S1959	58	S2236	68
A3921	78	LPT83602	119	S1904	18	S1960	59	S2237	68
A3923	83	LPT83703	119	S1905	18	S1961	59	S2238	68
A3924	78	LPT83704	119	S1906	18	S1962	59	S2239	69
A3926	83	LPT83705	119	S1907	18	S1963	59	S2240	69
A3931	88	LPT83706	119	S1908	50	S1964	59	S2241	69
A3932	89	LPT83707	119	S1909	50	S1965	59	S2242	69
BAKPAKBATTERIES	26	LPT83708	119	S1910	50	S1966	58	S2243	69
BALBAKPAK	26	LPT83709	119	S1911	50	S1967	58	S2244	69
COMBAKPAK	26	LPT83710	119	S1912	50	S1968	59	S2245	70
LPT80204	125	LPT83711	119	S1913	53	S1969	59	S2246	70
LPT80207	125	LPT83713	119	S1914	53	S1970	62	S2247	70
LPT80208	125	LPT83714	119	S1915	53	S1971	62	S2248	70
LPT80210	123	LPT84614	119	S1916	54	S1972	62	S2249	70
LPT80213	123	LPT85506	119	S1917	54	S1973	62	S2256	70
LPT80215	123	LPT85507	119	S1918	54	S1974	62	S2257	70
LPT80218	124	LPT85508	119	S1919	53	S1975	62	S2258	70
LPT80219	123	LPT85509	119	S1920	54	S1976	62	S2259	70

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S2399	114	S2447	66	S2715	88	S2946	24	S3130	101
S2401	65	S2448	65	S2716	82	S2950	21	S3131	101
S2402	65	S2449	65	S2740	81	S2954	22	S3132	54
S2403	65	S2450	65	S2741	81	S2955	17	S3133	54
S2404	65	S2451	65	S2742	86	S2956	17	S3134	54
S2405	65	S2452	66	S2743	86	S2959	17	S3135	55
S2406	65	S2453	66	S2744	81	S2961	17	S3136	55
S2407	65	S2454	66	S2745	81	S2962	17	S3139	63
S2408	65	S2455	66	S2760	77	S2965	45	S3142	55
S2411	74	S2456	56	S2761	77	S2966	45	S3143	59
S2411	79	S2457	66	S2767	83	S2967	46	S3145	55
S2412	74	S2458	66	S2768	83	S2968	46	S3146	55
S2412	81	S2601	60	S2769	83	S2969	46	S3147	54
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S2414	85	S2609	60	S2793	121	S2978	89	S3153	57
S2415	74	S2610	60	S2794	121	S2979	90	S3154	57
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S2417	85	S2619	61	S2849	23	S3003	91	S3160	50
S2418	74	S2620	61	S2850	86	S3004	92	S3162	53
S2419	74	S2621	61	S2851	90	S3011	84	S3164	51
S2419	87	S2622	61	S2852	92	S3012	89	S3165	53
S2420	74	S2623	61	S2853	90	S3013	91	S3166	55
S2420	85	S2624	61	S2880	89	S3014	92	S3167	51
S2421	74	S2625	61	S2903	17	S3015	93	S3168	51
S2421	85	S2630	61	S2904	25	S3016	93	S3169	59
S2422	74	S2631	61	S2905	25	S3017	92	S3170	59
S2422	89	S2632	61	S2907	25	S3104	56	S3171	50
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S3188	50	S3262	88	S3394	82	S3468	50	S3608	76
S3189	50	S3263	88	S3396	84	S3469	50	S3609	76
S3194	57	S3265	83	S3397	83	S3470	50	S3610	76
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S3198	53	S3272	76	S3405	88	S3475	66	S3619	84
S3199	55	S3273	77	S3408	89	S3478	66	S3620	66
S3200	86	S3275	83	S3410	56	S3479	66	S3621	76
S3201	86	S3276	76	S3411	56	S3480	55	S3622	76
S3202	86	S3277	77	S3414	82	S3481	55	S3623	108
S3203	86	S3279	83	S3415	88	S3482	55	S3624	111
S3205	80	S3280	78	S3416	82	S3484	53	S3628	78
S3210	80	S3281	78	S3417	90	S3485	54	S3629	85
S3212	86	S3282	79	S3418	51	S3486	54	S3630	80
S3213	90	S3283	82	S3419	51	S3487	54	S3652	84
S3214	84	S3284	87	S3420	50	S3488	54	S3656	75
S3215	84	S3285	79	S3421	50	S3489	54	S3657	75
S3218	79	S3286	82	S3422	55	S3490	54	S3659	75
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S3231	79	S3346	79	S3432	53	S3502	62	S3702	85
S3232	82	S3347	81	S3433	56	S3515	62	S3703	85
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S3235	82	S3361	77	S3435	63	S3517	62	S3705	89
S3237	79	S3367	83	S3438	63	S3518	63	S3708	80
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S3241	76	S3376	88	S3445	62	S3541	51	S3712	85
S3242	76	S3377	88	S3446	62	S3542	51	S3713	80
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S3740	86	S3833	76	S3937	64	S4133	70	S4261	98
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S3757	75	S3842	84	S3945	92	S4165	81	S4269	100
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S4871	102	S4998	92	S5302	35	S5862	98	S6274	30
S4872	102	S4999	92	S5401	32	S5863	96	S6275	30
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