



# LAMP SPECIFICATION GUIDE

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 color-coded 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

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# At Satco, our business isn't about us.

# It's about you and your business.

Satco and our Nuvo®, Hygrade™ and KolourOne™ 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.

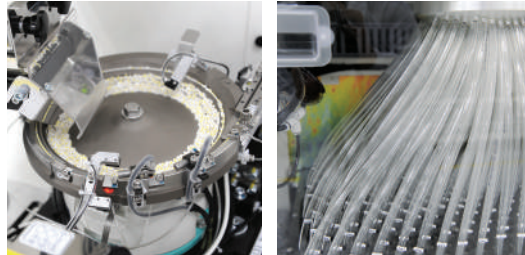
Lighting fixture manufacturers turn to Satco Logistics for on-time shipping of thousands of component parts in orders of any size, including lamps, ballasts, sockets, switches, cords, canopies and glassware of every description.



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.

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 most innovative technology.



## 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.

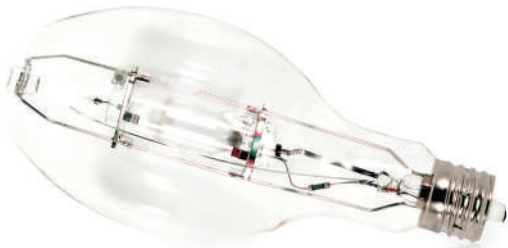


# Satco. An innovative family of brands.

## 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.

**HYGRADE™**



## KolourOne™. LED lamps that only experience can deliver.

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

**KolourOne™**  
LED TECHNOLOGY



## 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.

**NUVO®**  
LIGHTING



# RETAIL SUPPORT



**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

# Variety of Signs and Displays

## SATCO LIGHTING CENTER

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



Generic Lighting Center  
Gondola Header  
Item # SA1098

## Reduce utility bills with energy saving Satco lamps.



Energy Efficient Gondola Header  
Header mounting hardware available  
Item # SA1206

### 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  
Mounting hardware available  
Item # SA1292



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



**SATCO**

### Lamp Technology Wattage Comparison

[www.satco.com](http://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 <sup>†</sup> = 200	\$3.01	=	=	=	=	5W = 280	\$0.84	=	3W = 180	\$0.36	=
40W <sup>†</sup> = 450	\$4.52	=	29W = 410	\$3.49	=	9W = 550	\$1.08	=	8W = 450	\$0.96	=
60W <sup>†</sup> = 800	\$7.23	=	43W = 750	\$5.18	=	13W = 900	\$1.57	=	10W = 800	\$1.20	=
75W <sup>†</sup> = 1,100	\$9.03	=	53W = 1,050	\$6.38	=	18W = 1,200	\$2.17	=	13W = 1,100	\$1.57	=
100W <sup>†</sup> = 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**

### Lamp Savings Comparison - per lamp, per year\*

[www.satco.com](http://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	\$6.86	\$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**

### Lamp Feature Comparison

[www.satco.com](http://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**

### Long Life = Less Replacements

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

**1 CFL lasts as long as 10 Incandescents    1 LED lasts as long as 25 Incandescents**

= 10 incandescent bulbs

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

= 25 incandescent bulbs

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**

### Choosing Color Temperature

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

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

COLOR TEMPERATURE SCALE					
Soft White		Bright White		Natural Light	
2700K	3000K	3500K	4100K	5000K	5000K
<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.	
• Homes • Restaurants		• Homes • Showrooms • Reception • Offices		• Offices • Hospitals • Conference rooms	
				<b>Daylight</b> 5000K is exacting, refreshing, bright and alert.	
				• Galleries • Jewelry displays	

Warm

Neutral

Cool

Daylight

SA1285/6  
Choosing Color Temperature

**Lamp Comparison Gondola Headers**  
SET: 6  
(Can be ordered separately)  
Item # SA1285

# LED LAMPS



Nuvo Lighting's Houston LED three-light island pendant and one light pendant, both finished in Polished Nickel with Frosted Glass. Nuvo item numbers 62-168 and 62-165 respectively. See the [www.nuvolighting.com](http://www.nuvolighting.com) website.



LED (Light Emitting Diodes) represent a quantum leap in the lighting industry. Everything changed with the widespread introduction of this technology – and for the better. Using far less energy than any other technology, LED lamps are a modern marvel. Satco has been part of this amazing technology from the start.

## Setting the standards.

Our leadership in lighting brings you more styles and sizes of LED lights to choose from; LED PAR sizes, to A19 replacements, to decorative shapes, all in stock and ready to save energy. Satco. After almost 50 years, we know lighting.

### Satco KolourOne LEDs. Precise. Perfected. Proven.

The Satco KolourOne brand was created with Wooree Lighting, our strategic South Korean manufacturing partner of 35 years. The brand was founded on the principle of bringing the most highly-engineered commercial grade LED lamps to market. Satco and Wooree each bring 50 years of lighting experience to the creation of these LED lighting products.

KolourOne lamps are designed and produced in a vertical manufacturing environment; all the product's vital components, including the LED chips, optics, driver and heat sink are designed and manufactured in-house. And KolourOne quality control systems include post-production "binning" of LEDs based on chromaticity, lumen output and sometimes forward voltage. Kolourone binning tolerances are some of the tightest in the industry – within 100K – resulting in exacting color temperature and light output from lamp to lamp.



### LED lamp features:

- Smooth dimming range\*
- Uses up to 80% less energy
- Long life – up to 40,000 average rated hours
- Environmentally friendly – no UV or IR radiation
- Beam spreads and color temperature choices for every application
- Exact lamp to lamp color consistency
- Longer throw distances when needed
- Standard shapes to replace common technologies
- ENERGY STAR® certified products
- Warranties of up to 5 years
- IP65 rated products

\* Consult the Satco website for a complete, up-to-date list of compatible dimmers.

# LED LAMPS

## There's a Satco LED for most any application.

Here's a brief overview of Satco's most popular LEDs – you'll get a better picture of how Satco can cover all your LED needs.

### Panel Array 2.0 LED PAR lamps.

Satco's Panel Array 2.0 LED lamps deliver smooth general lighting with no harsh cut-off and exact color consistency from lamp to lamp due to KolourOne™ optical technologies. These highly engineered lamps are built to take on the toughest indoor commercial and residential applications.

- Smooth optical beam
- 2700K, 3500K and 5000K
- 40° and 60° Beam angles
- Dimmable
- Commercial warranty\*\*
- ENERGY STAR® certified

\*\*Commercial or residential use, no limitation on hours per day.



## Efficient everywhere.

### Duo indoor/outdoor LED PAR lamps.

Duo lamps are engineered by KolourOne™ to excel in tough environments, indoors or out. Exact color matching from lamp to lamp makes them perfect for large indoor or outdoor applications. The high lumen output and long throw distance makes lighting from high ceilings and creating dramatic outdoor effects no problem.

- Defined optical beam
- Greater throw distance
- 3500K
- 40° Beam angle
- Dimmable
- Commercial warranty\*
- Outdoor use/IP65 rated
- ENERGY STAR® certified

\* Consult the Satco website for a complete, up-to-date list of compatible dimmers.



### Ditto LED PAR lamps.

Designed to deliver indoor display and general lighting at a great value. They share the same dimensions as standard PAR lamps making them an easy choice for so many residential or light commercial applications.

- Defined optical beam
- Greater throw distance
- 3000K and 4000K
- 25° and 40° Beam angles
- Dimmable
- Residential warranty†
- ENERGY STAR® certified

† Residential use based on 4 hours per day.



### Ditto LED reflector lamps.

The original "consumer friendly" LED replacement – clean, simple, familiar. Wide beam angles in many color temperatures make them the first choice for many residential general lighting applications.

- Smooth optical beam
- 2700K, 3000K, 4000K and 5,000K
- R20, BR30 and BR40 replacements
- Dimmable
- Residential warranty†
- ENERGY STAR® certified

† Residential use based on 4 hours per day.



### Dimension warm tone dimming LED reflectors.

Most LEDs only grow darker as they dim (if they dim at all). But Satco Dimension LEDs step down in color temperature from 2700K to an inviting 2200K as they dim — just as incandescent lamps do. It's the best of two worlds — inviting mood lighting with maximum energy savings. These highly-engineered lamps feature KolourOne LED technology.

- Dim from 2700K to 2200K and everything in between
- Direct replacements for R20, R30 and R40 lamps
- Damp location listed
- Uniform color rendering from lamp to lamp
- Long life, 25,000+ hours
- 3 year warranty
- ENERGY STAR® certified



### Omni-directional 10.5 and 11 Watt LED A19.

Satco omni-directional A19 LED lamps deliver the same light distribution as typical A19 lamps with even light and no shadows. Innovative engineering enables these lamps to deliver a full 360 degrees of illumination and stand up to virtually any commercial application.

- Full 360° illumination
- 2700K, 3500K and 5000K, E26 base
- GU24 base available in 2700K
- Dimmable
- Commercial warranty\*\*
- ENERGY STAR® certified

\*\*Commercial or residential use, no limitation on hours per day.



### 40 and 60 Watt replacement multi-directional A19 LED lamps.

This versatile non omni-directional LED A19 is a perfect choice for many residential applications including lamps, wall fixtures, and pendants — with its traditional shape and wide dimming range. They feature a 3 year warranty and long, 25,000 hour life span.

- 215 - 240° illumination
- 2,700K and 5,000K
- E26 base
- GU24 base available in 2700K
- Dimmable and non-dimmable
- Residential warranty†

† Residential use based on 4 hours per day.



### LED downlight retrofits.

At Satco, we've been listening to our customers. Our new lines of recessed LED retrofits are the answers. They're the retrofits you need with the features you've hoped for.

- Low voltage 3 and 4 inch 12 volt recessed downlight retrofits, 35 to 50 Watt replacement
- 4 inch recessed downlight retrofits, dimmable and ENERGY STAR® certified
- 5, 6 inch recessed downlight retrofits, 1180 lumens, dimmable and ENERGY STAR® certified
- Damp or wet location options available
- All available with baffle reflector or directional gimbal ring
- 90 CRI options for CEC compliance
- All 3000K
- All up to 40,000 hours



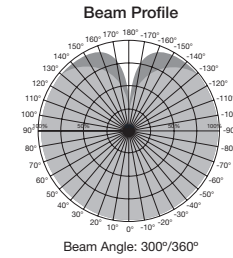
Due to the dynamics of the market of LED lamps, which includes the rapid development and introduction of new and more efficient products, the information provided in the LED section of this guide is subject to change as Satco continues to expand and improve these energy efficient products. Please visit [www.satco.com](http://www.satco.com) for new product information.



## Omni-Directional Lamps

### Applications / Features

- 40W/60W A19 replacement
- Indoor residential lighting
- Down lighting
- Display lighting
- Table lamps
- Pendants
- Dimmable



### KolourOne A19 360° Omni-Directional Lamps



Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/Inr. Ctn.
10.5	A19	Med.	S9037*	60W	10.5A19/OMNI/LED/27K	120	White	2700	84	25000	810	360	4 1/2	2 3/8	24/6
			S9038*	60W	10.5A19/OMNI/LED/35K	120	White	3500	83	25000	830	360	4 1/2	2 3/8	24/6
			S9039	60W	10.5A19/OMNI/LED/50K	120	White	5000	83	25000	870	360	4 1/2	2 3/8	24/6
11		GU24	S9070*	60W	11A19/OMNI/LED/27K/GU24	120	White	2700	85	25000	809	360	4 1/2	2 3/8	24/6

### KolourOne A19 300° Omni-Directional Lamps

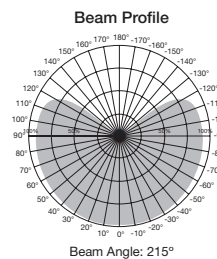


Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/Inr. Ctn.
7.6	A19	Med.	S9212*	40W	7.6A19/OMNI/300/LED/27K	120	White	2700	80	25000	460	300	4 1/2	2 3/8	24/6
			S9213*	40W	7.6A19/OMNI/300/LED/35K	120	White	3500	80	25000	480	300	4 1/2	2 3/8	24/6
			S9214*	40W	7.6A19/OMNI/300/LED/40K	120	White	4000	80	25000	490	300	4 1/2	2 3/8	24/6
			S9215*	40W	7.6A19/OMNI/300/LED/50K	120	White	5000	80	25000	510	300	4 1/2	2 3/8	24/6
9.8	A19	Med.	S9208*	60W	9.8A19/OMNI/300/LED/27K	120	White	2700	80	25000	810	300	4 1/2	2 3/8	24/6
			S9209*	60W	9.8A19/OMNI/300/LED/35K	120	White	3500	80	25000	850	300	4 1/2	2 3/8	24/6
			S9210*	60W	9.8A19/OMNI/300/LED/40K	120	White	4000	80	25000	870	300	4 1/2	2 3/8	24/6
			S9211*	60W	9.8A19/OMNI/300/LED/50K	120	White	5000	80	25000	900	300	4 1/2	2 3/8	24/6
		GU24	S9216*	60W	9.8A19/OMNI/300/LED/27K/GU24	120	White	2700	85	25000	810	300	4 1/2	2 3/8	24/6

## A19 Lamps

### Applications / Features

- Indoor residential and commercial lighting
- Down lighting
- Accent lighting
- Pendant lighting
- Dimmable



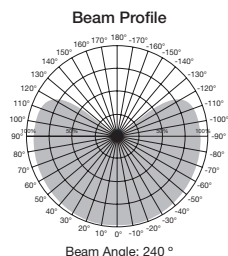
Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/Inr. Ctn.
7	A19	Med.	S9107	40	7A19/LED/27K/450L	120	2700	↑80	25000	450	215	4 5/8	2 3/8	24/6
			S9108	40	7A19/LED/50K/510L	120	5000	↑80	25000	510	215	4 5/8	2 3/8	24/6
10	A19	Med.	S9109	60	10A19/LED/27K/800L	120	2700	↑80	25000	800	215	4 5/8	2 3/8	24/6
			S9110	60	10A19/LED/50K/900L	120	5000	↑80	25000	900	215	4 3/4	2 3/8	24/6
		GU24	S9111	60	10A19/LED/27K/800L	120	2700	↑80	25000	800	215	4 3/4	2 3/8	24/6



# A19 Lamps – Non-Dimmable

## Applications / Features

- Indoor residential and commercial lighting
- Down lighting
- Display lighting
- Accent lighting

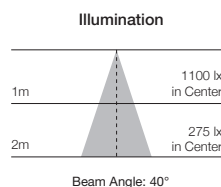
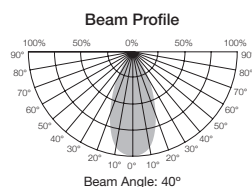


Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/ Inr. Ctn.
6.4	A19	Med.	S9112	40	6.4A19/LED/27K/470L	120	2700	↑80	25000	470	240	4 1/4	2 3/8	24/6
			S9113	40	6.4A19/LED/50K/510L	120	5000	↑80	25000	500	240	4 1/4	2 3/8	24/6
9.6	A19	Med.	S9114	60	9.6A19/LED/27K/810L	120	2700	↑80	25000	806	240	4 1/4	2 3/4	24/6
			S9115	60	9.6A19/LED/50K/850L	120	5000	↑80	25000	840	240	4 1/4	2 3/8	24/6

# MR16 Lamps

## Applications / Features

- Down lighting
- Accent lighting
- Pendant lighting
- Dimmable

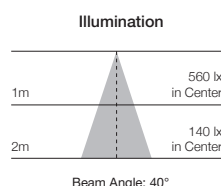
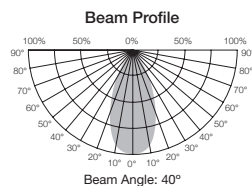


Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/ Inr. Ctn.
7	MR16	GU5.3	S9103	50W	7MR16/LED/40/27K/DIM	12	White	2700	80	25000	500	40	1 7/8	2	48/12
			S9104*	50W	7MR16/LED/40/30K/DIM	12	White	3000	80	25000	520	40	1 7/8	2	48/12
			S9105	50W	7MR16/LED/40/40K/DIM	12	White	4000	80	25000	540	40	1 7/8	2	48/12
			S9106	50W	7MR16/LED/40/50K/DIM	12	White	5000	80	25000	560	40	1 7/8	2	48/12

# Panel Array 2.0 Lamps

## Applications / Features

- Indoor residential lighting
- Down lighting
- Display lighting
- Accent lighting
- Dimmable



# KolourOne PAR20 Lamps



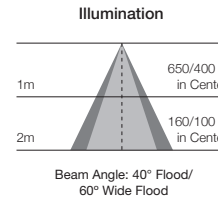
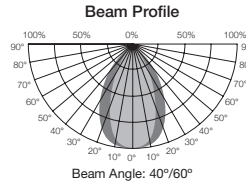
Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/ Inr. Ctn.
7	PAR20	Med.	S8921*	50W	7PAR20/LED/40/27K/PA2.0	120	White	2700	84	35000	420	40	3 7/16	2 1/2	24/6
			S8922*	50W	7PAR20/LED/40/35K/PA2.0	120	White	3500	83	35000	435	40	3 7/16	2 1/2	24/6
			S8923	50W	7PAR20/LED/40/50K/PA2.0	120	White	5000	83	35000	455	40	3 7/16	2 1/2	24/6



## Panel Array 2.0 Lamps (continued)

### Applications / Features

- Indoor residential lighting
- Down lighting
- Display lighting
- Accent lighting
- Dimmable



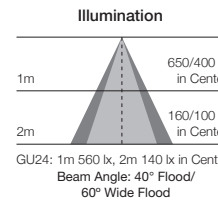
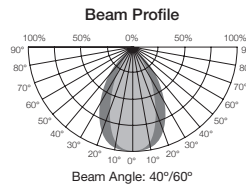
## KolourOne PAR30 Short Neck Lamps



Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/ Inr. Ctn.
14	PAR30	Med.	<b>S8934*</b>	75W	14PAR30SN/LED/40/27K/PA2.0	120	White	2700	84	35000	860	40	3 5/8	3 11/16	12/6
			<b>S8935*</b>	75W	14PAR30SN/LED/40/35K/PA2.0	120	White	3500	83	35000	890	40	3 5/8	3 11/16	12/6
			<b>S8936</b>	75W	14PAR30SN/LED/40/50K/PA2.0	120	White	5000	83	35000	930	40	3 5/8	3 11/16	12/6
			<b>S8941*</b>	75W	14PAR30SN/LED/60/27K/PA2.0	120	White	2700	84	35000	860	60	3 5/8	3 11/16	12/6
			<b>S8942*</b>	75W	14PAR30SN/LED/60/35K/PA2.0	120	White	3500	83	35000	890	60	3 5/8	3 11/16	12/6
			<b>S8943</b>	75W	14PAR30SN/LED/60/50K/PA2.0	120	White	5000	83	35000	930	60	3 5/8	3 11/16	12/6

### Applications / Features

- Indoor residential lighting
- Down lighting
- Display lighting
- Accent lighting
- Dimmable



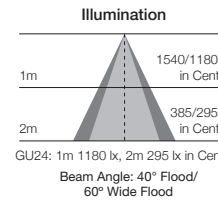
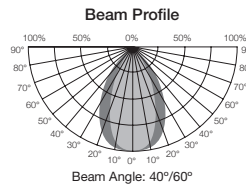
## KolourOne PAR30 Long Neck Lamps



Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/ Inr. Ctn.
14	PAR30	Med.	<b>S8947*</b>	75W	14PAR30LN/LED/40/27K/PA2.0	120	White	2700	84	35000	860	40	4 1/2	3 11/16	12/6
			<b>S8948*</b>	75W	14PAR30LN/LED/40/35K/PA2.0	120	White	3500	83	35000	890	40	4 1/2	3 11/16	12/6
			<b>S8949</b>	75W	14PAR30LN/LED/40/50K/PA2.0	120	White	5000	83	35000	930	40	4 1/2	3 11/16	12/6
			<b>S8971*</b>	75W	14PAR30LN/LED/60/27K/PA2.0	120	White	2700	84	35000	860	60	4 1/2	3 11/16	12/6
			<b>S8972*</b>	75W	14PAR30LN/LED/60/35K/PA2.0	120	White	3500	83	35000	890	60	4 1/2	3 11/16	12/6
			<b>S8973</b>	75W	14PAR30LN/LED/60/50K/PA2.0	120	White	5000	83	35000	930	60	4 1/2	3 11/16	12/6
			GU24 <b>S9054*</b>	75W	14PAR30LN/LED/40/27K/GU24/PA2.0	120	White	2700	84	35000	860	40	4 1/2	3 11/16	12/6

### Applications / Features

- Indoor residential lighting
- Down lighting
- Display lighting
- Accent lighting
- Dimmable



## KolourOne PAR38 Lamps



Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/ Inr. Ctn.
17	PAR38	Med.	<b>S8977*</b>	90W	17PAR38/LED/40/27K/PA2.0	120	White	2700	84	35000	1120	40	5 1/8	4 3/4	12/6
			<b>S8978*</b>	90W	17PAR38/LED/40/35K/PA2.0	120	White	3500	83	35000	1160	40	5 1/8	4 3/4	12/6
			<b>S8979</b>	90W	17PAR38/LED/40/50K/PA2.0	120	White	5000	83	35000	1210	40	5 1/8	4 3/4	12/6
			<b>S8984*</b>	90W	17PAR38/LED/60/27K/PA2.0	120	White	2700	84	35000	1120	60	5 1/8	4 3/4	12/6
			<b>S8985*</b>	90W	17PAR38/LED/60/35K/PA2.0	120	White	3500	83	35000	1160	60	5 1/8	4 3/4	12/6
			<b>S8986</b>	90W	17PAR38/LED/60/50K/PA2.0	120	White	5000	83	35000	1210	60	5 1/8	4 3/4	12/6
			GU24 <b>S9060*</b>	90W	17PAR38LN/LED/40/27K/GU24/PA2.0	120	White	2700	84	35000	1120	40	5 1/8	4 11/16	12/6

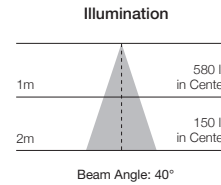
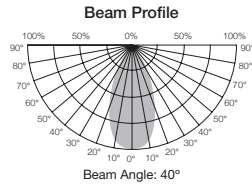




# Indoor/Outdoor Lamps – IP65

## Applications / Features

- Indoor residential and commercial lighting
- Outdoor security and landscape lighting
- Down/Display/Accent lighting
- Dimmable
- IP65 rated

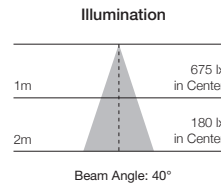
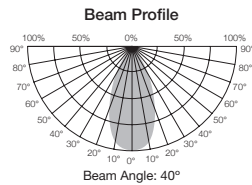


## KolourOne Duo PAR20 Indoor/Outdoor Lamp

Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/ Inr. Ctn.
7	PAR20	Med.	S9014*	50	7PAR20/LED/40/35K/IP65	120	White	3500	83	25000	400	40	3 7/16	2 1/2	24/6

## Applications / Features

- Indoor residential and commercial lighting
- Outdoor security and landscape lighting
- Down/Display/Accent lighting
- Dimmable
- IP65 rated

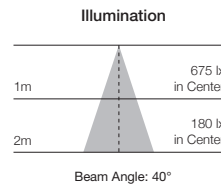
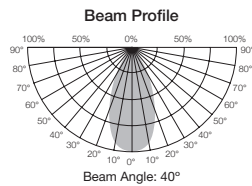


## KolourOne Duo PAR30 Short Neck Indoor/Outdoor Lamp

Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/ Inr. Ctn.
13	PAR30	Med.	S9017*	75	13PAR30SN/LED/40/35K/IP65	120	White	3500	83	25000	820	40	3 5/8	3 11/16	12/6

## Applications / Features

- Indoor residential and commercial lighting
- Outdoor security and landscape lighting
- Down/Display/Accent lighting
- Dimmable
- IP65 rated

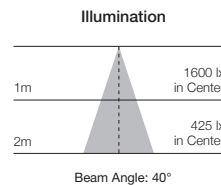
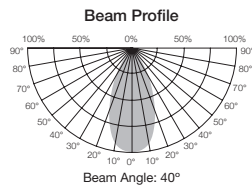


## KolourOne Duo PAR30 Long Neck Indoor/Outdoor Lamp

Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/ Inr. Ctn.
13	PAR30	Med.	S9020*	75	13PAR30LN/LED/40/35K/IP65	120	White	3500	83	25000	820	40	4 1/2	3 11/16	12/6

## Applications / Features

- Indoor residential and commercial lighting
- Outdoor security and landscape lighting
- Down/Display/Accent lighting
- Dimmable
- IP65 rated



## KolourOne Duo PAR38 Indoor/Outdoor Lamp

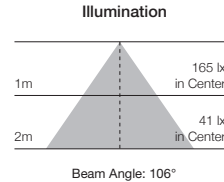
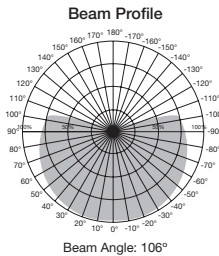
Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/ Inr. Ctn.
17	PAR38	Med.	S9023*	90	17PAR38/LED/40/35K/IP65	120	White	3500	83	25000	1130	40	5 1/8	4 11/16	12/6



## Reflector Lamps

### Applications / Features

- Down lighting
- Accent lighting
- Dimmable
- 2.5" = standard R20



## Ditto R20 Reflector Lamps

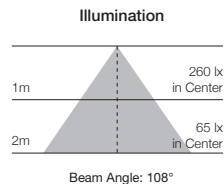
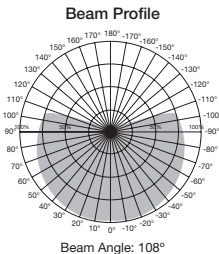


Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/Inr. Ctn.
7	R20	Med.	<b>S9140*</b>	50	7R20/LED/27K/525L	120	2700	↑80	25000	525	106	3 15/16	2 1/2	24/6
			<b>S9141*</b>	50	7R20/LED/30K/540L	120	3000	↑80	25000	540	106	3 15/16	2 1/2	24/6
			<b>S9142*</b>	50	7R20/LED/40K/560L	120	4000	↑80	25000	560	106	3 15/16	2 1/2	24/6
			<b>S9143*</b>	50	7R20/LED/50K/580L	120	5000	↑80	25000	580	106	3 15/16	2 1/2	24/6
8	R20	Med.	<b>S9040*†</b>	50	8R20/LED/27K/525L	120	2700	↑80	25000	525	106	3 15/16	2 1/2	24/6
			<b>S9002*†</b>	50	8R20/LED/30K/520L	120	3000	↑80	25000	540	106	3 15/16	2 1/2	24/6
			<b>S9041†</b>	50	8R20/LED/40K/540L	120	4000	↑80	25000	540	106	3 15/16	2 1/2	24/6
			<b>S9042†</b>	50	8R20/LED/50K/560L	120	5000	↑80	25000	560	106	3 15/16	2 1/2	24/6

† To be discontinued when inventory is depleted.

### Applications / Features

- Down lighting
- Accent lighting
- Dimmable
- 3.75" = standard BR30
- Available in 90 CRI items: **S9138, 9139**



## Ditto BR30 Reflector Lamps



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/Inr. Ctn.
10	BR30	Med.	<b>S9133*</b>	65	10BR30/LED/27K/750L	120	2700	↑80	25000	750	108	5 3/16	3 3/4	12/6
			<b>S9134*</b>	65	10BR30/LED/30K/800L	120	3000	↑80	25000	800	108	5 3/16	3 3/4	12/6
			<b>S9135*</b>	65	10BR30/LED/40K/830L	120	4000	↑80	25000	830	108	5 3/16	3 3/4	12/6
			<b>S9136*</b>	65	10BR30/LED/50K/860L	120	5000	↑80	25000	860	108	5 3/16	3 3/4	12/6
	GU24	<b>S9137*</b>	65	10BR30/LED/27K/GU24/750L	120	2700	↑80	25000	750	108	5	3 3/4	12/6	
	Med.	<b>S9138*</b>	65	10BR30/LED/27K/670L	120	2700	↑90	25000	650	108	5 3/16	3 3/4	12/6	
	GU24	<b>S9139*</b>	65	10BR30/LED/27K/GU24/670L	120	2700	↑90	25000	650	108	5	3 3/4	12/6	
11	BR30	Med.	<b>S9043*†</b>	65	11BR30/LED/27K/750L	120	2700	↑80	25000	750	108	5 3/16	3 3/4	12/6
			<b>S8993*†</b>	65	11BR30/LED/30K/800L	120	3000	↑80	25000	800	108	5 3/16	3 3/4	12/6
	GU24	<b>S8994*Δ†</b>	65	11BR30/LED/30K/GU24/800L	120	3000	↑80	25000	800	108	4 1/2	3 3/4	12/6	
	Med.	<b>S9044†</b>	65	11BR30/LED/40K/800L	120	4000	↑80	25000	800	108	5 3/16	3 3/4	12/6	
		<b>S9045†</b>	65	11BR30/LED/50K/830L	120	5000	↑80	25000	830	108	5 3/16	3 3/4	12/6	

Δ Certified Subcomponent Database (CSD) Listed.

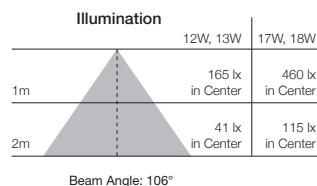
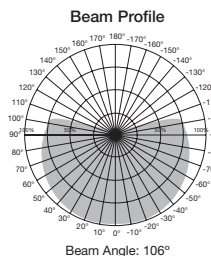
† To be discontinued when inventory is depleted.



# Reflector Lamps (continued)

## Applications / Features

- Down lighting
- Accent lighting
- Dimmable
- 5" = standard R40



## Ditto R40 Reflector Lamps



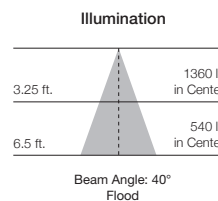
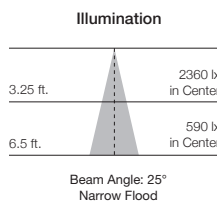
Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/Inr. Ctn.
12	BR40	Med.	S9144*	65	12BR40/LED/27K/900L	120	2700	↑80	25000	900	103	6 1/2	5	12/6
			S9145*	65	12BR40/LED/30K/930L	120	3000	↑80	25000	930	103	6 1/2	5	12/6
			S9146*	65	12BR40/LED/40K/970L	120	4000	↑80	25000	970	103	6 1/2	5	12/6
			S9147*	65	12BR40/LED/50K/1000L	120	5000	↑80	25000	1000	103	6 1/2	5	12/6
13	R40	Med.	S9046*†	65	13R40/LED/27K/850L	120	2700	↑80	25000	850	105	6 1/2	5	12/6
			S9003*†	65	13R40/LED/30K/880L	120	3000	↑80	25000	880	105	6 1/2	5	12/6
			S9047†	65	13R40/LED/40K/920L	120	4000	↑80	25000	920	105	6 1/2	5	12/6
			S9048†	65	13R40/LED/50K/950L	120	5000	↑80	25000	950	105	6 1/2	5	12/6
17	BR40	Med.	S9180*	85	17BR40/LED/27K/1200L	120	2700	↑80	25000	1200	103	6 1/2	5	12/6
			S9181*	85	17BR40/LED/30K/1230L	120	3000	↑80	25000	1230	103	6 1/2	5	12/6
			S9182*	85	17BR40/LED/40K/1280L	120	4000	↑80	25000	1280	103	6 1/2	5	12/6
			S9183*	85	17BR40/LED/50K/1320L	120	5000	↑80	25000	1320	103	6 1/2	5	12/6
18	R40	Med.	S9049*†	85	18R40/LED/27K/1200L	120	2700	↑80	25000	1200	105	6 1/2	5	12/6
			S9006*†	85	18R40/LED/30K/1230L	120	3000	↑80	25000	1230	105	6 1/2	5	12/6
			S9050†	85	18R40/LED/40K/1280L	120	4000	↑80	25000	1280	105	6 1/2	5	12/6
			S9051†	85	18R40/LED/50K/1320L	120	5000	↑80	25000	1320	105	6 1/2	5	12/6

† To be discontinued when inventory is depleted.

# PAR Lamps

## Applications / Features

- Entertainment lighting
- Down lighting
- Display lighting
- Accent lighting
- Dimmable



## Ditto PAR20 Lamps



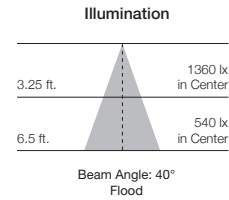
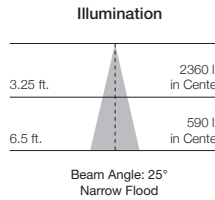
Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/Inr. Ctn.
7	PAR20	Med.	S9080*	50	7PAR20/LED/25/30K	120	3000	80	25000	415	25	3 1/4	2 1/2	12/6
			S9081	50	7PAR20/LED/25/40K	120	4000	80	25000	430	25	3 1/4	2 1/2	12/6
			S9082*	50	7PAR20/LED/40/30K	120	3000	80	25000	415	40	3 1/4	2 1/2	12/6
			S9083	50	7PAR20/LED/40/40K	120	4000	80	25000	430	40	3 1/4	2 1/2	12/6



## PAR Lamps (continued)

### Applications / Features

- Entertainment lighting
- Down lighting
- Display lighting
- Accent lighting
- Dimmable



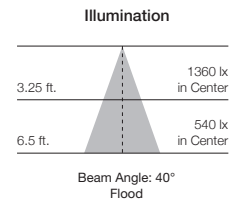
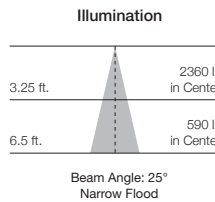
### Ditto PAR30 Short Neck Lamps



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/ Inr. Ctn.
11	PAR30	Med.	<b>S9084*</b>	75	11PAR30/SN/LED/25/30K	120	3000	80	25000	750	25	3 5/8	3 3/4	12/6
			<b>S9085*</b>	75	11PAR30/SN/LED/25/40K	120	4000	80	25000	780	25	3 5/8	3 3/4	12/6
			<b>S9086*</b>	75	11PAR30/SN/LED/40/30K	120	3000	80	25000	750	40	3 5/8	3 3/4	12/6
			<b>S9087*</b>	75	11PAR30/SN/LED/40/40K	120	4000	80	25000	780	40	3 5/8	3 3/4	12/6

### Applications / Features

- Entertainment lighting
- Down lighting
- Display lighting
- Accent lighting
- Dimmable



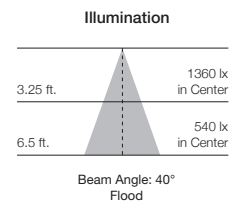
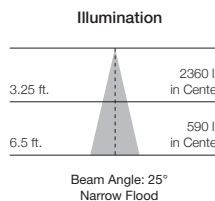
### Ditto PAR30 Long Neck Lamps



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/ Inr. Ctn.
11	PAR30	Med.	<b>S9088*</b>	75	11PAR30/LN/LED/25/30K	120	3000	80	25000	750	25	4 1/2	3 3/4	12/6
			<b>S9089</b>	75	11PAR30/LN/LED/25/40K	120	4000	80	25000	780	25	4 1/2	3 3/4	12/6
			<b>S9090*</b>	75	11PAR30/LN/LED/40/30K	120	3000	80	25000	750	40	4 1/2	3 3/4	12/6
			<b>S9091</b>	75	11PAR30/LN/LED/40/40K	120	4000	80	25000	780	40	4 1/2	3 3/4	12/6

### Applications / Features

- Entertainment lighting
- Down lighting
- Display lighting
- Accent lighting
- Dimmable



### Ditto PAR38 Lamps



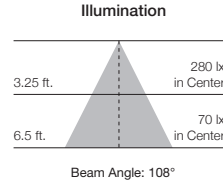
Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/ Inr. Ctn.
17	PAR38	Med.	<b>S9092*</b>	90	17PAR38/LED/25/30K	120	3000	80	25000	1200	25	5 3/16	4 3/4	12/6
			<b>S9093</b>	90	17PAR38/LED/25/40K	120	4000	80	25000	1250	25	5 3/16	4 3/4	12/6
			<b>S9094*</b>	90	17PAR38/LED/40/30K	120	3000	80	25000	1200	40	5 3/16	4 3/4	12/6
			<b>S9095</b>	90	17PAR38/LED/40/40K	120	4000	80	25000	1250	40	5 3/16	4 3/4	12/6



# R20, R30, R40 Lamps – Warm Tone Dimming

## Applications / Features

- Indoor residential and commercial lighting
- Entertainment lighting
- Down lighting
- Display lighting
- Accent lighting
- **Dims like an incandescent from 2700K to 2200K and everything in between**

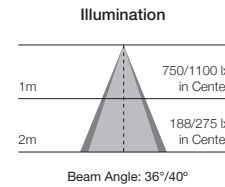
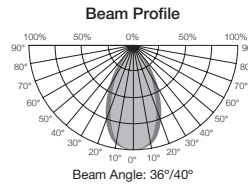


Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/ Inr. Ctn.
7.8	R20	Med.	<b>S9073*</b>	45	7.8R20/LED/27K-22K	120	27-22K	80	30000	460	108	3 7/8	2 1/2	24/6
12.8	R30	Med.	<b>S9025*</b>	65	12.8R30/LED/27K-22K	120	27-22K	80	40000	750	108	5 1/4	3 5/8	12/6
16	R40	Med.	<b>S9101*</b>	85	16R40/LED/27K-22K	120	27-22K	80	30000	1100	108	6 3/8	4 3/4	12/6

# MR16 GU10 Lamps

## Applications / Features

- Down lighting
- Accent lighting
- Pendant lighting
- Dimmable

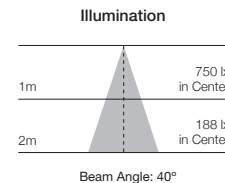
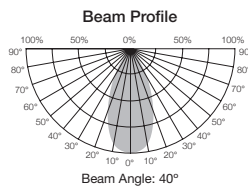


Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/ Inr. Ctn.
5	MR16	GU10	<b>S9008</b>	35	5MR16/LED/36/30K/GU10	120	3000	↑80	25000	370	36	2 1/8	2	12/1
			<b>S9009</b>	35	5MR16/LED/36/50K/GU10	120	5000	↑80	25000	400	36	2 1/8	2	12/1
7	MR16	GU10	<b>S9096*</b>	50	7MR16/LED/40/30K/GU10	120	3000	↑80	25000	520	40	2 1/8	2	12/1
			<b>S9097</b>	50	7MR16/LED/40/50K/GU10	120	5000	↑80	25000	560	40	2 1/8	2	12/1

# PAR16 Lamps

## Applications / Features

- Down lighting
- Accent lighting
- Pendant lighting
- Dimmable



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/ Inr. Ctn.
5	PAR16	Med.	<b>S8990</b>	45	5PAR16/LED/30K/E26	120	3000	↑80	25000	370	40	3 3/4	2	48/1
6	PAR16	Med.	<b>S8997 †</b>	45	6PAR16/LED/30K/E26	120	3000	↑80	25000	370	40	3 3/4	2	48/1

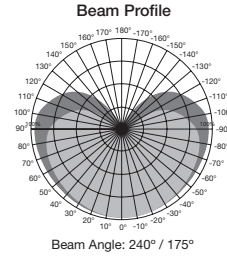
† To be discontinued when inventory is depleted.



## Decorative Lamps

### Applications / Features

- Down lighting
- Accent lighting
- Pendant lighting
- Dimmable



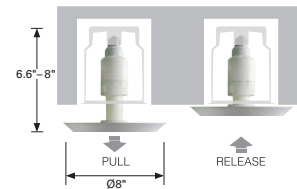
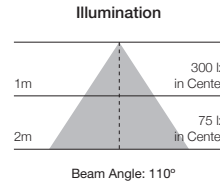
Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/ Inr. Ctn.
<b>3</b>	Can.	Candle.	<b>S8996</b>	25	3CTC/LED/30K/E12	120	3000	↑80	25000	165	240	3 3/4	1 3/4	12/1
<b>5</b>	B11	Candle.	<b>S8983*</b>	40	5CTC/LED/27K/E12	120	2700	↑80	25000	300	240	3 3/4	1 3/4	12/1
			<b>S8981*</b>	40	5CTC/LED/30K/E12	120	3000	↑80	25000	310	240	3 3/4	1 3/4	12/1
	B11	Med.	<b>S8982*</b>	40	5ETC/LED/30K/E26	120	3000	↑80	25000	310	240	3 3/4	1 3/4	12/1
<b>6</b>	G25	Med.	<b>S9200*</b>	40	6G25/LED/27K/E26	120	2700	↑80	25000	450	175	4 1/4	3 3/16	24/6
			<b>S9201*</b>	40	6G25/LED/30K/E26	120	3000	↑80	25000	470	175	4 1/4	3 3/16	24/6
			<b>S9202</b>	40	6G25/LED/40K/E26	120	4000	↑80	25000	490	175	4 1/4	3 3/16	24/6
			<b>S9203</b>	40	6G25/LED/50K/E26	120	5000	↑80	25000	510	175	4 1/4	3 3/16	24/6
<b>8</b>	G25	Med.	<b>S9052 †</b>	40	8G25/LED/27K/E26	120	2700	↑80	25000	420	175	4 1/4	3 3/16	24/6
			<b>S9053* †</b>	40	8G25/LED/30K/E26	120	3000	↑80	25000	450	175	4 1/4	3 3/16	24/6
			<b>S9069 †</b>	40	8G25/LED/50K/E26	120	5000	↑80	25000	460	175	4 1/4	3 3/16	24/6

† To be discontinued when inventory is depleted.

## 4" – 6" Downlight Retrofit Lamp

### Applications / Features

- Indoor residential and commercial lighting
- Replaces incandescent medium base 120V lamps
- Works with 4" to 6" cans
- Color rings included
- Dimmable



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/ Inr. Ctn.
<b>13.5</b>	DLR4-6	Med.	<b>S8848*</b>	65	13LED/DLR-SPRINT/4-6/27K	120	White	2700	84	25000	860	110	6 5/8 - 8	6/1



# 4" Recessed Downlight Retrofits

## Applications / Features

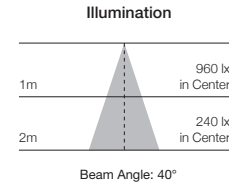
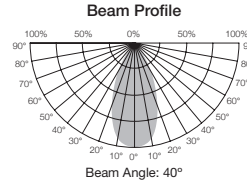
- Residential
- Office
- Retail
- Hospitality
- Dimmable
- S8991 Damp location listed
- S9076 Wet location listed



S8991, S9116



S9076, S9117



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/ Inr. Ctn.
8	RDL4	Med.	S9076*†	50	8LED/RDL/4/120V/DIM	120	White	3000	82	40000	530	90	2 5/8	12/1
			S9195*	50	8LED/RDL/4/120V/27K/DIM	120	White	2700	80	35000	560	90	2 5/8	12/1
			S9117*	50	8LED/RDL/4/120V/GEN2	120	White	3000	90	35000	500	90	2 5/8	12/1
9	RDL4	Med.	S8991*†	50	9LED/RDL/4/120V/DIM/GMBL	120	White	3000	82	40000	650	40	2 1/2	12/1
			S9116*	50	9LED/RDL/4/120V/GEN2/GMBL	120	White	3000	90	35000	650	40	2 1/2	12/1

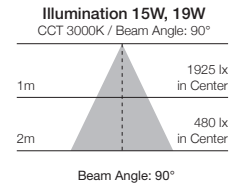
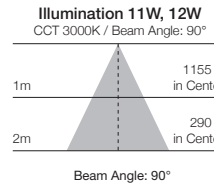
NOTE: GU10 base sold separately, item: S9000.  
† To be discontinued when inventory is depleted.

# 5" – 6" Recessed Downlight Retrofits

## Torsion Clip Mounting System

## Applications / Features

- Residential
- Office
- Retail
- Hospitality
- Dimmable
- Wet location listed



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/ Inr. Ctn.
11	RDL5-6	Med.	S9196*	75	11LED/RDL/5-6/120V/27K/DIM	120	White	2700	80	35000	800	90	3 3/8	12/1
			S9118*	75	11LED/RDL/5-6/120V/GEN2	120	White	3000	90	35000	750	90	3 3/8	12/1
12	RDL5-6	Med.	S9077*†	75	12LED/RDL/5-6/120V/DIM	120	White	3000	82	40000	800	90	3 3/8	12/1
15	RDL5-6	Med.	S9119*	90	15LED/RDL/5-6/120V/GEN2	120	White	3000	90	35000	1200	90	3 3/8	12/1
19	RDL5-6	Med.	S9079*†	90	19LED/RDL/5-6/120V/DIM	120	White	3000	82	40000	1180	90	3 3/8	12/1

NOTE: GU24 base sold separately, item: S8999.  
† To be discontinued when inventory is depleted.



## Recessed Downlight Retrofit Kits

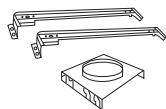
### Applications / Features

- Residential
- Office
- Retail
- Hospitality
- Dimmable
- Damp location listed – Gimbal
- Wet location listed – Baffle

#### S9178

Hanger bars and pan and 4" pan

Hanger bars and pan (sold separately) for new construction

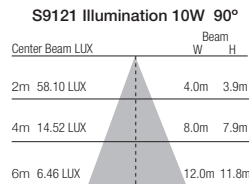


#### S9179

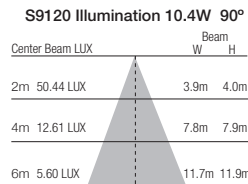
Hanger bars and 5"-6" pan



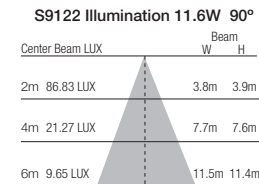
RDL4/BAFFLE  
4" KIT



RDL4/GIMBAL  
4" KIT



RDL5-6/BAFFLE  
5"-6" KIT



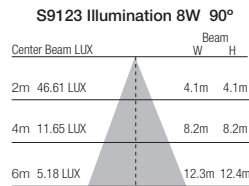
Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Finish	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/ Inr. Ctn.
10	RDL4	Conn.	S9121*	50	10WLED/RDL/4BFL/KIT/120V	120	White	3000	80	35000	480	90	6	6/1
10.4	RDL4	Conn.	S9120*	50	10.4WLED/RDL/4GBL/KIT/120V	120	White	3000	80	35000	437	90	6	6/1
11.6	RDL5-6	Conn.	S9122*	50	11.6WLED/RDL/5-6BFL/KIT/120V	120	White	3000	80	35000	680	90	6	6/1

NOTE: Wire connector included.

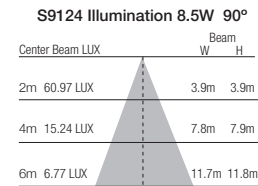
## Recessed Downlight Retrofits – 120V Spring Clip Mounting System



RDL4/GIMBAL  
4" & 5"-6" Gimbal

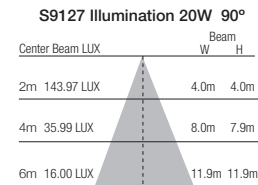
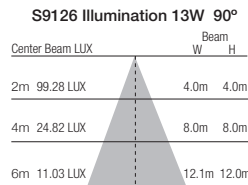
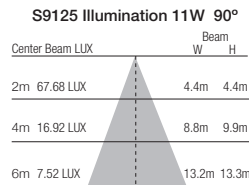


RDL4/BAFFLE  
4" & 5"-6" Baffle



### Applications / Features

- Residential
- Office
- Retail
- Hospitality
- Dimmable
- Damp location listed – Gimbal
- Wet location listed – Baffle



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Finish	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/ Inr. Ctn.
8	RDL4	Med.	S9123*	50	8WLED/RDL/4GBL/120V	120	White	3000	90	35000	410	90	4	12/1
8.5			S9124*	50	8.5WLED/RDL/4BFL/120V	120	White	3000	90	35000	480	90	3 3/8	12/1
11	RDL5-6	Med.	S9125*	65	11WLED/RDL/5-6GBL/120V	120	White	3000	90	35000	635	90	4 1/4	12/1
13	RDL5-6	Med.	S9126*	65	13WLED/RDL/5-6BFL/120V	120	White	3000	90	35000	820	90	3 3/4	12/1
20	RDL5-6	Med.	S9127*	90	20WLED/RDL/5-6BFL/120V	120	White	3000	90	35000	1210	90	4	12/1





# Recessed Downlights – 12V

## Spring Clip Mounting System



3" BAFFLE



4" GIMBAL

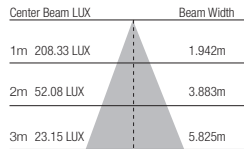


4" BAFFLE

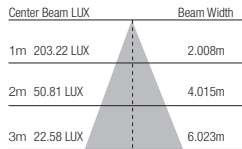
### Applications / Features

- Residential
- Office
- Retail
- Hospitality
- Dimmable
- Damp location listed – Gimbal
- Wet location listed – Baffle

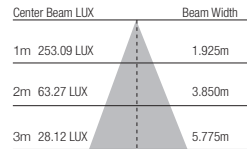
S9128 Illumination 7W 12V 90°



S9129 Illumination 7W 12V 90°



S9130 Illumination 8W 12V 90°



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Finish	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/Inr. Ctn.
7	RDL 3	Bi Pin	<b>S9128</b>	50	7WLED/RDL/3BFL/12V	12	White	3000	90	35000	400	90	3	12/1
	RDL 4		<b>S9129</b>	50	7WLED/RDL/4GBL/12V	12	White	3000	90	35000	430	90	4	12/1
8	RDL 4	Bi Pin	<b>S9130</b>	50	8WLED/RDL/4BFL/12V	12	White	3000	90	35000	460	90	3 5/8	12/1

# 7" Flush Mount LED

### Applications / Features

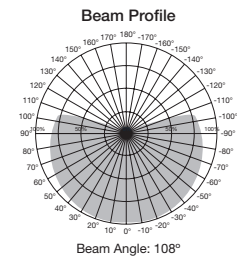
- Kitchens
- Bathrooms
- Hallways
- Offices
- Edge lit LED
- Dimmable



7" x 1"  
Flush Mt.  
Fits 4" Junction Box



7" x 1.8"  
Flush Mt.  
Deep Dish



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Finish	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/Inr. Ctn.
13.5	Flush Kit	Direct Connect	<b>S9190*</b>	75	13.5W/LED/7FL/WH/27K	120	White	2700	↑80	40000	810	108	1	12/1
			<b>S9099*</b>	75	13.5W/LED/7FL/WH/3K	120	White	3000	↑80	40000	820	108	1	12/1
			<b>S9191*</b>	75	13.5W/LED/7FL/WH/5K	120	White	5000	↑80	40000	890	108	1	12/1
			<b>S9192*</b>	75	13.5W/LED/7FL/SN/3K	120	Satin Nickel	3000	↑80	40000	820	108	1	12/1
			<b>S9193*</b>	75	13.5W/LED/7FL/WH/3K/1.8	120	White	3000	↑80	40000	820	108	1.8	12/1
			<b>S9194*</b>	75	13.5W/LED/7FL/SN/3K/1.8	120	Satin Nickel	3000	↑80	40000	820	108	1.8	12/1

NOTE: Deep Dish compatible with 3", 4" and pancake type Junction Boxes. Includes 3 1/2" mounting screws.

## Mini Lamps – Non-Dimmable

### Applications / Features

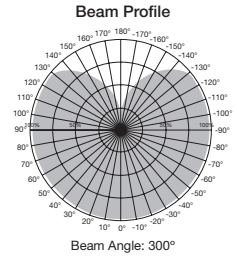
- Landscape lighting
- Display lighting
- Accent lighting
- Security lighting



Landscape  
BA15S



T3 G4  
Mini



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/ Inr. Ctn.
2	T3	Bay.	<b>S8968</b>	20	2LED/12V/BA15S Landscape	12	Silver	3000	↑80	25000	100	300	1 5/8	24/1
		G4	<b>S8969</b>	20	2LED/12V/G4	12	Silver	3000	↑80	25000	110	300	1 5/8	24/1

## Elevator/Specialty Lamps – Non-Dimmable

### Applications / Features

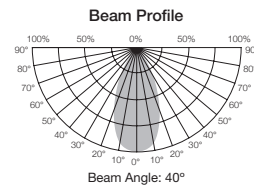
- Elevator lighting
- Display lighting



ALR12  
Double



R12  
Single



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/ Inr. Ctn.
2	ALR12	Double	<b>S9005</b>	20	2LED/GBF/Elevator/12V	12	Silver	3000	↑80	30000	120	40	1 3/4	48/12
3	R12	Single	<b>S9004</b>	20	3LED/1383/Elevator/12V	12	Silver	3000	↑80	30000	120	40	2 1/2	48/12

## Linear Motivation™ Light Engines

### Applications / Features

- Self-contained
- Integrated power supply
- Long life
- Dimmable<sup>1</sup>
- RU damp location listed



4.8W 6.5 inch  
Linear Module



Watts	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/ Inr. Ctn.
4.8	<b>80-900</b>	40	4.8/LED/LINEAR MODULE/27K	120	2700	84	40000	285	110	6 1/2	20/1
	<b>80-901</b>	40	4.8/LED/LINEAR MODULE/35K	120	3500	83	40000	300	110	6 1/2	20/1

<sup>1</sup> Consult Satco or visit [www.satco.com](http://www.satco.com) for an up to date dimmer compatibility list.

NOTE: Power feeds must be ordered separately; **80-902** One male connector w/ 18" wire power feed and one bracket, w/o screw.

**80-903** Two male connectors with 3" wire for joining two Motivation modules **80-900/901** with two brackets, w/o screw.

# Linear Motivation™ Light Engines (continued)



Standard 12.8W 6.5 inch Linear Module



Warm Tone Dimming 12.8W 6.5 inch Linear Module



Watts	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/ Inr. Ctn.
12.8	80-920	60	12.8/LED/DIMENSION MODULE/27-22K	120	2700-2200	80	30000	790	105	6 1/2	20/1
	80-921	60	12.8/LED/LINEAR MODULE/27K	120	2700	80	30000	840	105	6 1/2	20/1
	80-922	60	12.8/LED/LINEAR MODULE/35K	120	3500	80	30000	840	105	6 1/2	20/1



Two 80-920 Linear Modules interconnected using the optional 63-302 connector.



63-302  
Optional Connector



Standard 19.5W 17.75 inch Linear Module



Warm Tone Dimming 19.5W 17.75 inch Linear Module



Watts	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/ Inr. Ctn.
19.5	80-918	75	19.5/LED/DIMENSION MODULE/27-22K	120	2700-2200	80	50000	1340	112	17 3/4	20/1
	80-908	75	19.5/LED/LINEAR MODULE/27K	120	2700	80	50000	1420	112	17 3/4	20/1
	80-909	75	19.5/LED/LINEAR MODULE/35K	120	3500	80	50000	1420	112	17 3/4	20/1



Two 80-908 Linear Modules interconnected using the optional 63-302 connector.



63-302  
Optional Connector

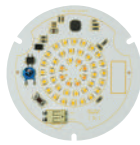
## Dimension™ Fixture Modules – Warm Tone Dimming

### Applications / Features

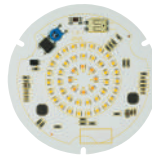
- Self-contained
- Integrated power supply
- Long life
- Dimmable<sup>1</sup>



R20  
Module



R30  
Module



R40  
Module



R40 Module  
with Optional  
Clear Lens



Optional Clear Lens



Watts	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/ Inr. Ctn.
7.8	80-912	45	7.8/R20LED/CIRCLE MODULE/27-22K	120	2700	84	40000	510	120	2 (DIA.)	10/1
12.8	80-913	65	12.8/R30LED/CIRCLE MODULE/27-22K	120	2700	84	40000	870	110	3 (DIA.)	10/1
16	80-914	85	16/R40LED/CIRCLE MODULE/27-22K	120	2700	84	40000	1150	110	3 3/8 (DIA.)	10/1
-	80-924	-	R20/CLEAR LENS	120	-	-	-	-	-	-	10/1
-	80-911	-	R30/R40/CLEAR LENS	120	-	-	-	-	-	-	10/1

<sup>1</sup> Consult Satco or visit [www.satco.com](http://www.satco.com) for an up to date dimmer compatibility list.

NOTE: Power feeds must be ordered separately; 80-906 12" Power Feed / 80-907 24" Power Feed.

# Circular Motivation™ Light Engines

**Applications / Features**

- Self-contained
- Integrated power supply
- Long life
- Dimmable<sup>1</sup>
- RU damp location listed



Circle Module



Watts	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/ Inr. Ctn.
<b>19.5</b>	<b>80-905</b> Δ	100	19.5/LED/CIRCLE MODULE/27K	120	2700	84	30000	1420	110	8 1/8 (DIA.)	10/1
	<b>80-904</b> Δ	100	19.5/LED/CIRCLE MODULE/35K	120	3500	83	30000	1450	110	8 1/8 (DIA.)	10/1

NOTE: Power feeds must be ordered separately; **80-906** 12" Power Feed / **80-907** 24" Power Feed.

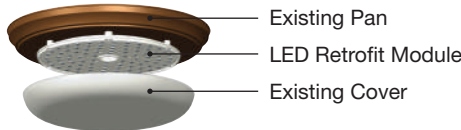
<sup>1</sup> Consult Satco or visit [www.satco.com](http://www.satco.com) for an up to date dimmer compatibility list.

Δ Certified Subcomponent Database (CSD) Listed.

# All In One Circular LED Module Retrofit Kit

**Applications / Features**

- Self-contained
- Integrated power supply
- Long life
- Dimmable<sup>1</sup>
- RU damp location listed
- Kit includes all connecting and mounting hardware



Circle Module Kit



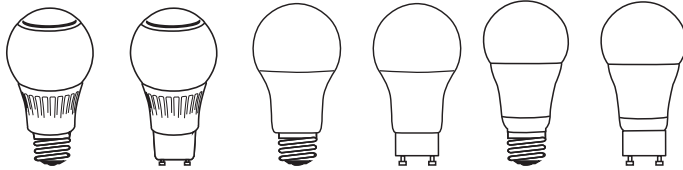
Watts	Satco Prod. #	Type	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/ Inr. Ctn.
<b>19.5</b>	<b>S9131</b> Δ	Retrofit Kit	19.5/LED/CIRCLE MODULE/27K	120	2700	84	30000	1420	110	8 1/8 D x 3/4 H	10/1
	<b>S9132</b> Δ	Retrofit Kit	19.5/LED/CIRCLE MODULE/35K	120	3500	83	30000	1450	110	8 1/8 D x 3/4 H	10/1

NOTE: Pan and Cover are not included.

<sup>1</sup> Consult Satco or visit [www.satco.com](http://www.satco.com) for an up to date dimmer compatibility list.

Δ Certified Subcomponent Database (CSD) Listed.

LED LAMPS LISTED BY TYPE \*



360° Omni A19 Med.   360° Omni A19 GU24   300° Omni A19 Med.   300° Omni A19 GU24   A19 Med.   A19 GU24

KolourOne A19 360° Omni-Directional Lamps



Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/ Inr. Ctn.
10.5	A19	Med.	S9037*	60W	10.5A19/OMNI/LED/27K	120	White	2700	84	25000	810	360	4 1/2	2 3/8	24/6
			S9038*	60W	10.5A19/OMNI/LED/35K	120	White	3500	83	25000	830	360	4 1/2	2 3/8	24/6
			S9039	60W	10.5A19/OMNI/LED/50K	120	White	5000	83	25000	870	360	4 1/2	2 3/8	24/6
11		GU24	S9070*	60W	11A19/OMNI/LED/27K/GU24	120	White	2700	85	25000	809	360	4 1/2	2 3/8	24/6

KolourOne A19 300° Omni-Directional Lamps



Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/ Inr. Ctn.
7.6	A19	Med.	S9212*	40W	7.6A19/OMNI/300/LED/27K	120	White	2700	80	25000	460	300	4 1/2	2 3/8	24/6
			S9213*	40W	7.6A19/OMNI/300/LED/35K	120	White	3500	80	25000	480	300	4 1/2	2 3/8	24/6
			S9214*	40W	7.6A19/OMNI/300/LED/40K	120	White	4000	80	25000	490	300	4 1/2	2 3/8	24/6
			S9215*	40W	7.6A19/OMNI/300/LED/50K	120	White	5000	80	25000	510	300	4 1/2	2 3/8	24/6
9.8	A19	Med.	S9208*	60W	9.8A19/OMNI/300/LED/27K	120	White	2700	80	25000	810	300	4 1/2	2 3/8	24/6
			S9209*	60W	9.8A19/OMNI/300/LED/35K	120	White	3500	80	25000	850	300	4 1/2	2 3/8	24/6
			S9210*	60W	9.8A19/OMNI/300/LED/40K	120	White	4000	80	25000	870	300	4 1/2	2 3/8	24/6
			S9211*	60W	9.8A19/OMNI/300/LED/50K	120	White	5000	80	25000	900	300	4 1/2	2 3/8	24/6
			GU24	S9216*	60W	9.8A19/OMNI/300/LED/27K/GU24	120	White	2700	85	25000	810	300	4 1/2	2 3/8

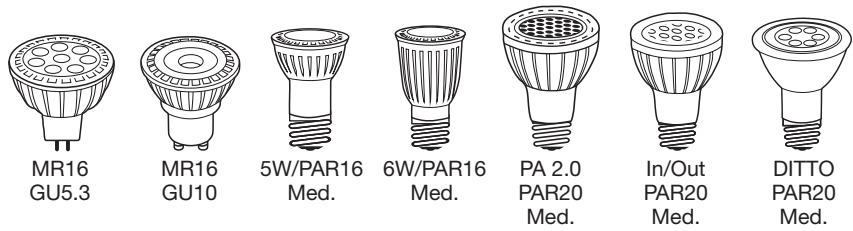
A19 Lamps



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/ Inr. Ctn.
7	A19	Med.	S9107	40	7A19/LED/27K/450L	120	2700	↑80	25000	450	215	4 5/8	2 3/8	24/6
			S9108	40	7A19/LED/50K/510L	120	5000	↑80	25000	510	215	4 5/8	2 3/8	24/6
10	A19	Med.	S9109	60	10A19/LED/27K/800L	120	2700	↑80	25000	800	215	4 5/8	2 3/8	24/6
			S9110	60	10A19/LED/50K/900L	120	5000	↑80	25000	900	215	4 3/4	2 3/8	24/6
		GU24	S9111	60	10A19/LED/27K/800L	120	2700	↑80	25000	800	215	4 3/4	2 3/8	24/6

A19 Lamps – Non-Dimmable

Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/ Inr. Ctn.
6.4	A19	Med.	S9112	40	6.4A19/LED/27K/470L	120	2700	↑80	25000	470	240	4 1/4	2 3/8	24/6
			S9113	40	6.4A19/LED/50K/510L	120	5000	↑80	25000	500	240	4 1/4	2 3/8	24/6
9.6	A19	Med.	S9114	60	9.6A19/LED/27K/810L	120	2700	↑80	25000	806	240	4 1/4	2 3/4	24/6
			S9115	60	9.6A19/LED/50K/850L	120	5000	↑80	25000	840	240	4 1/4	2 3/8	24/6



## MR16 Lamps



Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/Inr. Ctn.
7	MR16	GU5.3	<b>S9103*</b>	50W	7MR16/LED/40/27K/DIM	12	White	2700	80	25000	500	40	1 7/8	2	48/12
			<b>S9104*</b>	50W	7MR16/LED/40/30K/DIM	12	White	3000	80	25000	520	40	1 7/8	2	48/12
			<b>S9105</b>	50W	7MR16/LED/40/40K/DIM	12	White	4000	80	25000	540	40	1 7/8	2	48/12
			<b>S9106</b>	50W	7MR16/LED/40/50K/DIM	12	White	5000	80	25000	560	40	1 7/8	2	48/12

## MR16 GU10 Lamps



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/Inr. Ctn.
5	MR16	GU10	<b>S9008</b>	35	5MR16/LED/36/30K/GU10	120	3000	↑80	25000	370	36	36	2 1/8	2	12/1
			<b>S9009</b>	35	5MR16/LED/36/50K/GU10	120	5000	↑80	25000	400	36	36	2 1/8	2	12/1
7	MR16	GU10	<b>S9096*</b>	50	7MR16/LED/40/30K/GU10	120	3000	↑80	25000	520	40	40	2 1/8	2	12/1
			<b>S9097</b>	50	7MR16/LED/40/50K/GU10	120	5000	↑80	25000	560	40	40	2 1/8	2	12/1

## PAR16 Lamps



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/Inr. Ctn.
5	PAR16	Med.	<b>S8990</b>	45	5PAR16/LED/30K/E26	120	3000	↑80	25000	370	40	40	3 3/4	2	48/1
6	PAR16	Med.	<b>S8997 †</b>	45	6PAR16/LED/30K/E26	120	3000	↑80	25000	370	40	40	3 3/4	2	48/1

† To be discontinued when inventory is depleted.

## PAR20 Lamps KolourOne PAR20 Lamps



Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/Inr. Ctn.
7	PAR20	Med.	<b>S8921*</b>	50W	7PAR20/LED/40/27K/PA2.0	120	White	2700	84	35000	420	40	3 7/16	2 1/2	24/6
			<b>S8922*</b>	50W	7PAR20/LED/40/35K/PA2.0	120	White	3500	83	35000	435	40	3 7/16	2 1/2	24/6
			<b>S8923</b>	50W	7PAR20/LED/40/50K/PA2.0	120	White	5000	83	35000	455	40	3 7/16	2 1/2	24/6

## Indoor/Outdoor PAR20 Lamp

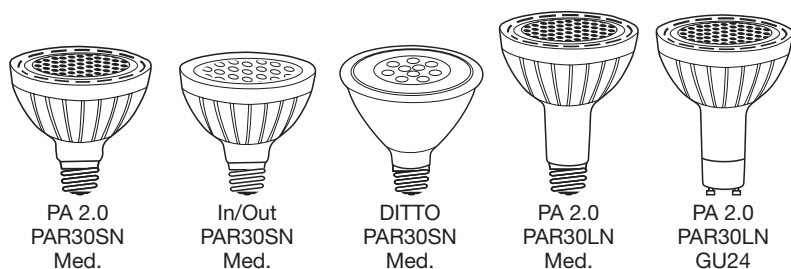


Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/Inr. Ctn.
7	PAR20	Med.	<b>S9014*</b>	50	7PAR20/LED/40/35K/IP65	120	White	3500	83	25000	400	40	3 7/16	2 1/2	24/6

## Ditto PAR20 Lamps



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/Inr. Ctn.	
7	PAR20	Med.	<b>S9080*</b>	50	7PAR20/LED/25/30K	120	3000	80	25000	415	25	25	3 1/4	2 1/2	12/6	
			<b>S9081</b>	50	7PAR20/LED/25/40K	120	4000	80	25000	430	25	25	3 1/4	2 1/2	12/6	
			<b>S9082*</b>	50	7PAR20/LED/40/30K	120	3000	80	25000	415	40	40	40	3 1/4	2 1/2	12/6
			<b>S9083</b>	50	7PAR20/LED/40/40K	120	4000	80	25000	430	40	40	40	3 1/4	2 1/2	12/6



## PAR30 Short Neck Lamps

### KolourOne PAR30 Short Neck Lamps



Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/Inr. Ctn.
14	PAR30	Med.	<b>S8934*</b>	75W	14PAR30SN/LED/40/27K/PA2.0	120	White	2700	84	35000	860	40	3 5/8	3 11/16	12/6
			<b>S8935*</b>	75W	14PAR30SN/LED/40/35K/PA2.0	120	White	3500	83	35000	890	40	3 5/8	3 11/16	12/6
			<b>S8936</b>	75W	14PAR30SN/LED/40/50K/PA2.0	120	White	5000	83	35000	930	40	3 5/8	3 11/16	12/6
			<b>S8941*</b>	75W	14PAR30SN/LED/60/27K/PA2.0	120	White	2700	84	35000	860	60	3 5/8	3 11/16	12/6
			<b>S8942*</b>	75W	14PAR30SN/LED/60/35K/PA2.0	120	White	3500	83	35000	890	60	3 5/8	3 11/16	12/6
			<b>S8943</b>	75W	14PAR30SN/LED/60/50K/PA2.0	120	White	5000	83	35000	930	60	3 5/8	3 11/16	12/6

### Indoor/Outdoor PAR30 Short Neck Lamp



Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/Inr. Ctn.
13	PAR30	Med.	<b>S9017*</b>	75	13PAR30SN/LED/40/35K/IP65	120	White	3500	83	25000	820	40	3 5/8	3 11/16	12/6

### Ditto PAR30 Short Neck Lamps



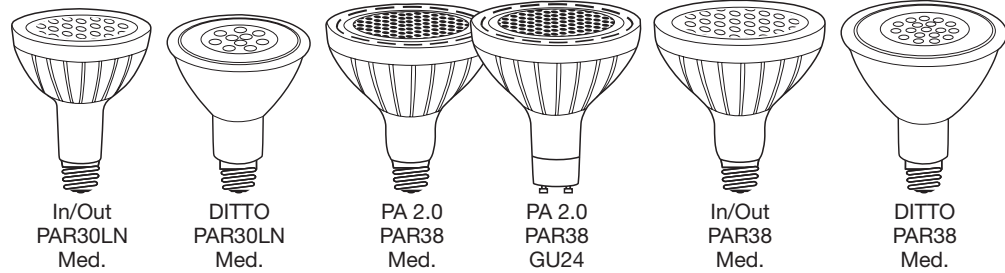
Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/Inr. Ctn.
11	PAR30	Med.	<b>S9084*</b>	75	11PAR30/SN/LED/25/30K	120	3000	80	25000	750	25	3 5/8	3 3/4	12/6	
			<b>S9085*</b>	75	11PAR30/SN/LED/25/40K	120	4000	80	25000	780	25	3 5/8	3 3/4	12/6	
			<b>S9086*</b>	75	11PAR30/SN/LED/40/30K	120	3000	80	25000	750	40	3 5/8	3 3/4	12/6	
			<b>S9087*</b>	75	11PAR30/SN/LED/40/40K	120	4000	80	25000	780	40	3 5/8	3 3/4	12/6	

## PAR30 Long Neck Lamps

### KolourOne PAR30 Long Neck Lamps



Watts	Bulb Type	Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/Inr. Ctn.
14	PAR30	Med.	<b>S8947*</b>	75W	14PAR30LN/LED/40/27K/PA2.0	120	White	2700	84	35000	860	40	4 1/2	3 11/16	12/6
			<b>S8948*</b>	75W	14PAR30LN/LED/40/35K/PA2.0	120	White	3500	83	35000	890	40	4 1/2	3 11/16	12/6
			<b>S8949</b>	75W	14PAR30LN/LED/40/50K/PA2.0	120	White	5000	83	35000	930	40	4 1/2	3 11/16	12/6
			<b>S8971*</b>	75W	14PAR30LN/LED/60/27K/PA2.0	120	White	2700	84	35000	860	60	4 1/2	3 11/16	12/6
			<b>S8972*</b>	75W	14PAR30LN/LED/60/35K/PA2.0	120	White	3500	83	35000	890	60	4 1/2	3 11/16	12/6
			<b>S8973</b>	75W	14PAR30LN/LED/60/50K/PA2.0	120	White	5000	83	35000	930	60	4 1/2	3 11/16	12/6
		GU24	<b>S9054*</b>	75W	14PAR30LN/LED/40/27K/GU24/PA2.0	120	White	2700	84	35000	860	40	4 1/2	3 11/16	12/6



## Indoor/Outdoor PAR30 Long Neck Lamp



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/Inr. Ctn.
13	PAR30	Med.	S9020*	75	13PAR30LN/LED/40/35K/IP65	120	White	3500	83	25000	820	40	4 1/2	3 11/16	12/6

## Ditto PAR30 Long Neck Lamps



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/Inr. Ctn.
11	PAR30	Med.	S9088*	75	11PAR30/LN/LED/25/30K	120	White	3000	80	25000	750	25	4 1/2	3 3/4	12/6
			S9089	75	11PAR30/LN/LED/25/40K	120	White	4000	80	25000	780	25	4 1/2	3 3/4	12/6
			S9090*	75	11PAR30/LN/LED/40/30K	120	White	3000	80	25000	750	40	4 1/2	3 3/4	12/6
			S9091	75	11PAR30/LN/LED/40/40K	120	White	4000	80	25000	780	40	4 1/2	3 3/4	12/6

## PAR38 Lamps

### KolourOne PAR38 Lamps



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/Inr. Ctn.
17	PAR38	Med.	S8977*	90W	17PAR38/LED/40/27K/PA2.0	120	White	2700	84	35000	1120	40	5 1/8	4 3/4	12/6
			S8978*	90W	17PAR38/LED/40/35K/PA2.0	120	White	3500	83	35000	1160	40	5 1/8	4 3/4	12/6
			S8979	90W	17PAR38/LED/40/50K/PA2.0	120	White	5000	83	35000	1210	40	5 1/8	4 3/4	12/6
			S8984*	90W	17PAR38/LED/60/27K/PA2.0	120	White	2700	84	35000	1120	60	5 1/8	4 3/4	12/6
			S8985*	90W	17PAR38/LED/60/35K/PA2.0	120	White	3500	83	35000	1160	60	5 1/8	4 3/4	12/6
			S8986	90W	17PAR38/LED/60/50K/PA2.0	120	White	5000	83	35000	1210	60	5 1/8	4 3/4	12/6
		GU24	S9060*	90W	17PAR38LN/LED/40/27K/GU24/PA2.0	120	White	2700	84	35000	1120	40	5 1/8	4 11/16	12/6

## Indoor/Outdoor PAR38 Lamp



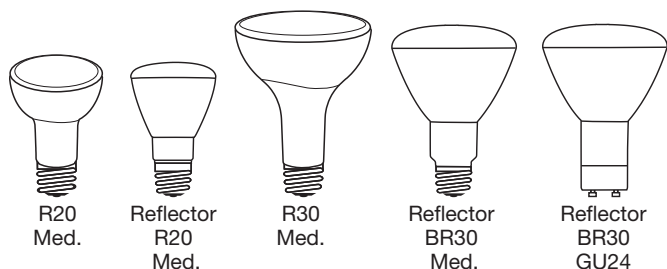
Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/Inr. Ctn.
17	PAR38	Med.	S9023*	90	17PAR38/LED/40/35K/IP65	120	White	3500	83	25000	1130	40	5 1/8	4 11/16	12/6

## Ditto PAR38 Lamps



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/Inr. Ctn.
17	PAR38	Med.	S9092*	90	17PAR38/LED/25/30K	120	White	3000	80	25000	1200	25	5 3/16	4 3/4	12/6
			S9093	90	17PAR38/LED/25/40K	120	White	4000	80	25000	1250	25	5 3/16	4 3/4	12/6
			S9094*	90	17PAR38/LED/40/30K	120	White	3000	80	25000	1200	40	5 3/16	4 3/4	12/6
			S9095	90	17PAR38/LED/40/40K	120	White	4000	80	25000	1250	40	5 3/16	4 3/4	12/6





# Reflector Lamps

## R20 Lamp – Warm Tone Dimming



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/ Inr. Ctn.
<b>7.8</b>	R20	Med.	<b>S9073*</b>	45	7.8R20/LED/27K-22K	120	27-22K	80	30000	460	108	3 7/8	2 1/2	24/6

## Ditto R20 Reflector Lamps



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/ Inr. Ctn.
<b>7</b>	R20	Med.	<b>S9140*</b> †	50	7R20/LED/27K/525L	120	2700	↑80	25000	525	106	2 15/16	2 1/2	24/6
			<b>S9141*</b> †	50	7R20/LED/30K/540L	120	3000	↑80	25000	540	106	2 15/16	2 1/2	24/6
			<b>S9142*</b> †	50	7R20/LED/40K/560L	120	4000	↑80	25000	560	106	2 15/16	2 1/2	24/6
			<b>S9143*</b> †	50	7R20/LED/50K/580L	120	5000	↑80	25000	580	106	2 15/16	2 1/2	24/6
<b>8</b>	R20	Med.	<b>S9040*</b>	50	8R20/LED/27K/525L	120	2700	↑80	25000	525	106	4	2 1/2	24/6
			<b>S9002*</b> †	50	8R20/LED/30K/520L	120	3000	↑80	25000	540	106	4	2 1/2	24/6
			<b>S9041</b>	50	8R20/LED/40K/540L	120	4000	↑80	25000	540	106	4	2 1/2	24/6
			<b>S9042</b>	50	8R20/LED/50K/560L	120	5000	↑80	25000	560	106	4	2 1/2	24/6

† To be discontinued when inventory is depleted.

## R30 Lamp – Warm Tone Dimming



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/ Inr. Ctn.
<b>12.8</b>	R30	Med.	<b>S9025*</b>	65	12.8R30/LED/27K-22K	120	27-22K	80	40000	750	108	5 1/4	3 5/8	12/6

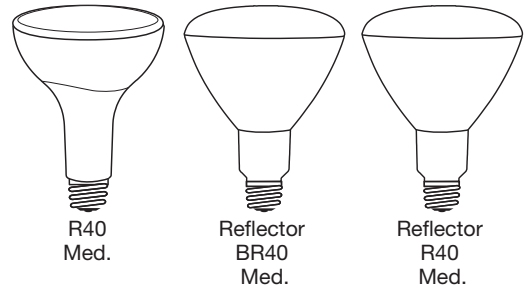
## Ditto BR30 Reflector Lamps



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/ Inr. Ctn.	
<b>10</b>	BR30	Med.	<b>S9133*</b>	65	10BR30/LED/27K/750L	120	2700	↑80	25000	750	108	5 3/16	3 3/4	12/6	
			<b>S9134*</b>	65	10BR30/LED/30K/800L	120	3000	↑80	25000	800	108	5 3/16	3 3/4	12/6	
			<b>S9135*</b>	65	10BR30/LED/40K/830L	120	4000	↑80	25000	830	108	5 3/16	3 3/4	12/6	
			<b>S9136*</b>	65	10BR30/LED/50K/860L	120	5000	↑80	25000	860	108	5 3/16	3 3/4	12/6	
			GU24	<b>S9137*</b>	65	10BR30/LED/27K/GU24/750L	120	2700	↑80	25000	750	108	5	3 3/4	12/6
			Med.	<b>S9138*</b>	65	10BR30/LED/27K/670L	120	2700	↑90	25000	650	108	5 3/16	3 3/4	12/6
			GU24	<b>S9139*</b>	65	10BR30/LED/27K/GU24/670L	120	2700	↑90	25000	650	108	5	3 3/4	12/6
<b>11</b>	BR30	Med.	<b>S9043*</b>	65	11BR30/LED/27K/750L	120	2700	↑80	25000	750	108	5 3/16	3 3/4	12/6	
			<b>S8993*</b> †	65	11BR30/LED/30K/800L	120	3000	↑80	25000	800	108	5 3/16	3 3/4	12/6	
			GU24	<b>S8994*</b> Δ†	65	11BR30/LED/30K/GU24/800L	120	3000	↑80	25000	800	108	4 1/2	3 3/4	12/6
			Med.	<b>S9044*</b> †	65	11BR30/LED/40K/800L	120	4000	↑80	25000	800	108	5 3/16	3 3/4	12/6
				<b>S9045</b>	65	11BR30/LED/50K/830L	120	5000	↑80	25000	830	108	5 3/16	3 3/4	12/6

Δ Certified Subcomponent Database (CSD) Listed.

† To be discontinued when inventory is depleted.



## R40 Lamp – Warm Tone Dimming



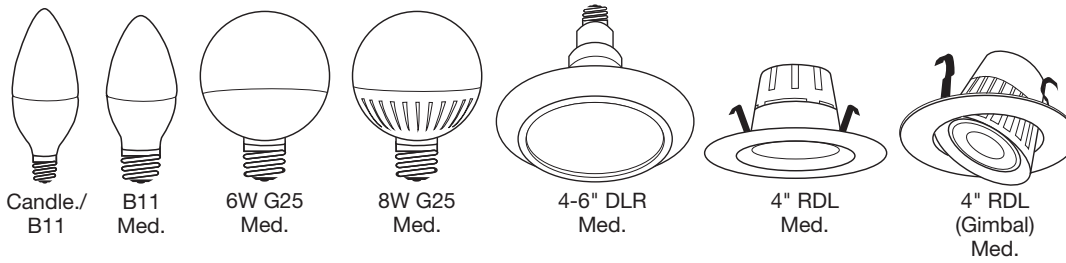
Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/Inr. Ctn.
<b>16</b>	R40	Med.	<b>S9101*</b>	85	16R40/LED/27K-22K	120	27-22K	80	30000	1100	108	6 3/8	4 3/4	12/6

## Ditto R40 Reflector Lamps



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/Inr. Ctn.
<b>12</b>	BR40	Med.	<b>S9144*</b>	65	12BR40/LED/27K/900L	120	2700	↑80	25000	900	103	6 1/2	5	12/6
			<b>S9145*</b>	65	12BR40/LED/30K/930L	120	3000	↑80	25000	930	103	6 1/2	5	12/6
			<b>S9146*</b>	65	12BR40/LED/40K/970L	120	4000	↑80	25000	970	103	6 1/2	5	12/6
			<b>S9147*</b>	65	12BR40/LED/50K/1000L	120	5000	↑80	25000	1000	103	6 1/2	5	12/6
<b>13</b>	R40	Med.	<b>S9046*†</b>	65	13R40/LED/27K/850L	120	2700	↑80	25000	850	105	6 1/2	5	12/6
			<b>S9003*†</b>	65	13R40/LED/30K/880L	120	3000	↑80	25000	880	105	6 1/2	5	12/6
			<b>S9047†</b>	65	13R40/LED/40K/920L	120	4000	↑80	25000	920	105	6 1/2	5	12/6
			<b>S9048†</b>	65	13R40/LED/50K/950L	120	5000	↑80	25000	950	105	6 1/2	5	12/6
<b>17</b>	BR40	Med.	<b>S9180*</b>	85	17BR40/LED/27K/1200L	120	2700	↑80	25000	1200	103	6 1/2	5	12/6
			<b>S9181*</b>	85	17BR40/LED/30K/1230L	120	3000	↑80	25000	1230	103	6 1/2	5	12/6
			<b>S9182*</b>	85	17BR40/LED/40K/1280L	120	4000	↑80	25000	1280	103	6 1/2	5	12/6
			<b>S9183*</b>	85	17BR40/LED/50K/1320L	120	5000	↑80	25000	1320	103	6 1/2	5	12/6
<b>18</b>	R40	Med.	<b>S9049*†</b>	85	18R40/LED/27K/1200L	120	2700	↑80	25000	1200	105	6 1/2	5	12/6
			<b>S9006*†</b>	85	18R40/LED/30K/1230L	120	3000	↑80	25000	1230	105	6 1/2	5	12/6
			<b>S9050†</b>	85	18R40/LED/40K/1280L	120	4000	↑80	25000	1280	105	6 1/2	5	12/6
			<b>S9051†</b>	85	18R40/LED/50K/1320L	120	5000	↑80	25000	1320	105	6 1/2	5	12/6

† To be discontinued when inventory is depleted.



## Decorative Lamps



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	M.O.D. Inches	Mstr/Inr. Ctn.
3	Can.	Candle.	<b>S8996</b>	25	3CTC/LED/30K/E12	120	3000	↑80	25000	165	240	3 3/4	1 3/4	12/1
5	B11	Candle.	<b>S8983*</b>	40	5CTC/LED/27K/E12	120	2700	↑80	25000	300	240	3 3/4	1 3/4	12/1
			<b>S8981*</b>	40	5CTC/LED/30K/E12	120	3000	↑80	25000	310	240	3 3/4	1 3/4	12/1
	B11	Med.	<b>S8982*</b>	40	5ETC/LED/30K/E26	120	3000	↑80	25000	310	240	3 3/4	1 3/4	12/1
6	G25	Med.	<b>S9200*</b>	40	6G25/LED/27K/E26	120	2700	↑80	25000	450	175	4 1/4	3 3/16	24/6
			<b>S9201*</b>	40	6G25/LED/30K/E26	120	3000	↑80	25000	470	175	4 1/4	3 3/16	24/6
			<b>S9202</b>	40	6G25/LED/40K/E26	120	4000	↑80	25000	490	175	4 1/4	3 3/16	24/6
			<b>S9203</b>	40	6G25/LED/50K/E26	120	5000	↑80	25000	510	175	4 1/4	3 3/16	24/6
8	G25	Med.	<b>S9052</b> †	40	8G25/LED/27K/E26	120	2700	↑80	25000	420	175	4 1/4	3 3/16	24/6
			<b>S9053*</b> †	40	8G25/LED/30K/E26	120	3000	↑80	25000	450	175	4 1/4	3 3/16	24/6
			<b>S9069</b> †	40	8G25/LED/50K/E26	120	5000	↑80	25000	460	175	4 1/4	3 3/16	24/6

† To be discontinued when inventory is depleted.

## Downlight Retrofit

### 4"-6" KolourOne Sprint™ Lamp



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/Inr. Ctn.
13.5	DLR4-6	Med.	<b>S8848*</b>	65	13LED/DLR-SPRINT/4-6/27K	120	White	2700	84	25000	860	110	6 5/8 - 8	6/1

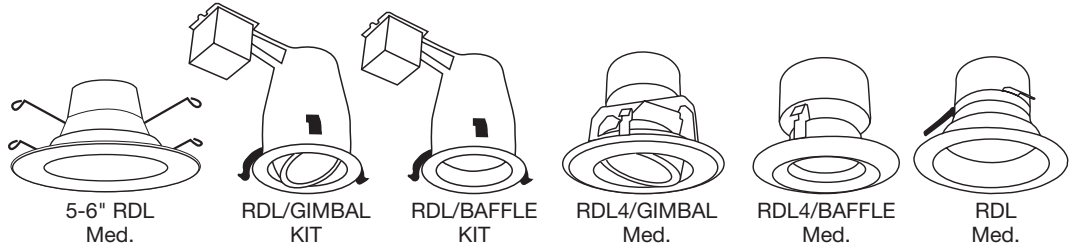
## 4" Recessed Downlight Retrofits



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/Inr. Ctn.
8	RDL4	Med.	<b>S9076*</b> †	50	8LED/RDL/4/120V/DIM	120	White	3000	82	40000	530	90	2 5/8	12/1
			<b>S9195*</b>	50	8LED/RDL/4/120V/27K/DIM	120	White	2700	80	35000	560	90	2 5/8	12/1
			<b>S9117*</b>	50	8LED/RDL/4/120V/GEN2	120	White	3000	90	35000	500	90	2 5/8	12/1
9	RDL4	Med.	<b>S8991*</b> †	50	9LED/RDL/4/120V/DIM/GMBL	120	White	3000	82	40000	650	40	2 1/2	12/1
			<b>S9116*</b>	50	9LED/RDL/4/120V/GEN2/GMBL	120	White	3000	90	35000	650	40	2 1/2	12/1

NOTE: GU10 base sold separately, item: **S9000**.

† To be discontinued when inventory is depleted.



## 5"-6" Recessed Downlight Retrofits

### Torsion Clip Mounting System



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/Inr. Ctn.
11	RDL5-6	Med.	<b>S9196*</b>	75	11LED/RDL/5-6/120V/27K/DIM	120	White	2700	80	35000	800	90	3 3/8	12/1
			<b>S9118*</b>	75	11LED/RDL/5-6/120V/GEN2	120	White	3000	90	35000	750	90	3 3/8	12/1
12	RDL5-6	Med.	<b>S9077*†</b>	75	12LED/RDL/5-6/120V/DIM	120	White	3000	82	40000	800	90	3 3/8	12/1
15	RDL5-6	Med.	<b>S9119*</b>	90	15LED/RDL/5-6/120V/GEN2	120	White	3000	90	35000	1200	90	3 3/8	12/1
19	RDL5-6	Med.	<b>S9079*†</b>	90	19LED/RDL/5-6/120V/DIM	120	White	3000	82	40000	1180	90	3 3/8	12/1

NOTE: GU24 base sold separately, item: **S8999**. † To be discontinued when inventory is depleted.

## Recessed Downlight Retrofit Kits



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Finish	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/Inr. Ctn.
10	RDL4	Conn.	<b>S9121*</b>	50	10WLED/RDL/4BFL/KIT/120V	120	White	3000	80	35000	480	90	6	6/1
10.4	RDL4	Conn.	<b>S9120*</b>	50	10.4WLED/RDL/4GBL/KIT/120V	120	White	3000	80	35000	437	90	6	6/1
11.6	RDL5-6	Conn.	<b>S9122*</b>	50	11.6WLED/RDL/5-6BFL/KIT/120V	120	White	3000	80	35000	680	90	6	6/1

NOTE: Wire connector included. Hanger bars and 4" pan sold separately item: **S9178**. Hanger bars and 5"-6" pan sold separately item: **S9179**. See page 24.

## Recessed Downlight Retrofits – 120V

### Spring Clip Mounting System



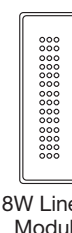
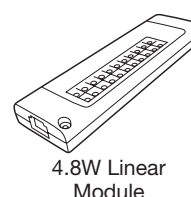
Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Finish	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/Inr. Ctn.
8	RDL4	Med.	<b>S9123*</b>	50	8WLED/RDL/4GBL/120V	120	White	3000	90	35000	410	90	4	12/1
8.5			<b>S9124*</b>	50	8.5WLED/RDL/4BFL/120V	120	White	3000	90	35000	480	90	3 3/8	12/1
11	RDL5-6	Med.	<b>S9125*</b>	65	11WLED/RDL/5-6GBL/120V	120	White	3000	90	35000	635	90	4 1/4	12/1
13	RDL5-6	Med.	<b>S9126*</b>	65	13WLED/RDL/5-6BFL/120V	120	White	3000	90	35000	820	90	3 3/4	12/1
20	RDL5-6	Med.	<b>S9127*</b>	90	20WLED/RDL/5-6BFL/120V	120	White	3000	90	35000	1210	90	4	12/1

## Recessed Downlight Retrofits – 12V

### Spring Clip Mounting System



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Finish	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/Inr. Ctn.
7	RDL 3	Bi Pin	<b>S9128</b>	50	7WLED/RDL/3BFL/12V	12	White	3000	90	35000	400	90	3	12/1
			<b>S9129</b>	50	7WLED/RDL/3GBL/12V	12	White	3000	90	35000	430	90	4	12/1
8	RDL 4	Bi Pin	<b>S9130</b>	50	8WLED/RDL/4BFL/12V	12	White	3000	90	35000	460	90	3 5/8	12/1



## 7" Flush Mount LED



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Finish	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/ Inr. Ctn.
13.5	Flush Kit	Direct Connect	<b>S9190*</b>	75	13.5W/LED/7FL/WH/27K	120	White	2700	↑80	40000	810	108	1	12/1
			<b>S9099*</b>	75	13.5W/LED/7FL/WH/3K	120	White	3000	↑80	40000	820	108	1	12/1
			<b>S9191*</b>	75	13.5W/LED/7FL/WH/5K	120	White	5000	↑80	40000	890	108	1	12/1
			<b>S9192*</b>	75	13.5W/LED/7FL/SN/3K	120	Satin Nickel	3000	↑80	40000	820	108	1	12/1
			<b>S9193*</b>	75	13.5W/LED/7FL/WH/3K/1.8	120	White	3000	↑80	40000	820	108	1.8	12/1
<b>S9194*</b>	75	13.5W/LED/7FL/SN/3K/1.8	120	Satin Nickel	3000	↑80	40000	820	108	1.8	12/1			

NOTE: Deep Dish compatible with 3", 4" and package type Junction Bates.

## Mini Lamps – Non-Dimmable

Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/ Inr. Ctn.
2	T3	Bay.	<b>S8968</b>	20	2LED/12V/BA15S Landscape	12	Silver	3000	↑80	25000	100	300	1 5/8	24/1
		G4	<b>S8969</b>	20	2LED/12V/G4	12	Silver	3000	↑80	25000	110	300	1 5/8	24/1

## Elevator/Specialty Lamps – Non-Dimmable

Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/ Inr. Ctn.
2	ALR12	Double	<b>S9005</b>	20	2LED/GBF/Elevator/12V	12	Silver	3000	↑80	30000	120	40	1 3/4	48/12
3	R12	Single	<b>S9004</b>	20	3LED/1383/Elevator/12V	12	Silver	3000	↑80	30000	120	40	2 1/2	48/12

## Motivation™ Light Engines

### 6.5" Linear Light Engines – Dimmable<sup>1</sup>

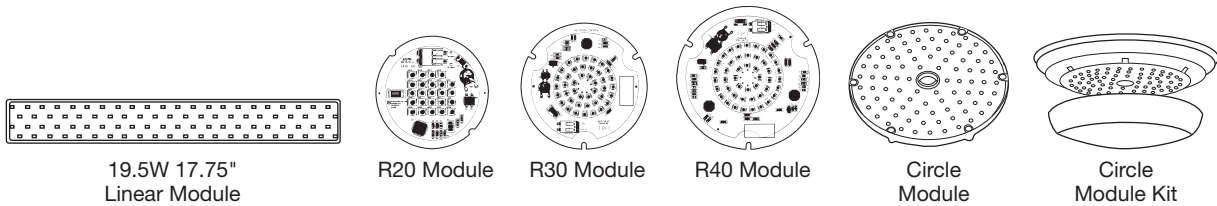


Watts	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/ Inr. Ctn.
4.8	<b>80-900</b>	40	4.8/LED/LINEAR MODULE/27K	120	2700	84	40000	285	110	6 1/2	20/1
	<b>80-901</b>	40	4.8/LED/LINEAR MODULE/35K	120	3500	83	40000	300	110	6 1/2	20/1
12.8	<b>80-920</b>	60	12.8/LED/DIMENSION MODULE/27-22K	120	2700-2200	80	30000	790	105	6 1/2	20/1
	<b>80-921</b>	60	12.8/LED/LINEAR MODULE/27K	120	2700	80	30000	840	105	6 1/2	20/1
	<b>80-922</b>	60	12.8/LED/LINEAR MODULE/35K	120	3500	80	30000	840	105	6 1/2	20/1

<sup>1</sup> Consult Satco or visit [www.satco.com](http://www.satco.com) for an up to date dimmer compatibility list.

NOTE: Power feeds must be ordered separately; **80-902** One male connector w/ 18" wire power feed and one bracket, w/o screw.

**80-903** Two male connectors with 3" wire for joining two Motivation modules **80-900/901** with two brackets, w/o screw.



## 17.75" Linear Light Engines – Dimmable<sup>1</sup>



Watts	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/Inr. Ctn.
19.5	80-918	75	19.5/LED/DIMENSION MODULE/27-22K	120	2700-2200	80	50000	1340	112	17 3/4	20/1
	80-908	75	19.5/LED/LINEAR MODULE/27K	120	2700	80	50000	1420	112	17 3/4	20/1
	80-909	75	19.5/LED/LINEAR MODULE/35K	120	3500	80	50000	1420	112	17 3/4	20/1

<sup>1</sup> Consult Satco or visit [www.satco.com](http://www.satco.com) for an up to date dimmer compatibility list.  
 NOTE: Power feeds must be ordered separately; **80-902** One male connector w/ 18" wire power feed and one bracket, w/o screw.  
**80-903** Two male connectors with 3" wire for joining two Motivation modules **80-900/901** with two brackets, w/o screw.

## R20, R30, R40 Dimension™ Fixture Modules – Dimmable<sup>1</sup>



Watts	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/Inr. Ctn.
7.8	80-912	45	7.8/R20LED/CIRCLE MODULE/27-22K	120	2700	84	40000	510	120	2 (DIA.)	10/1
12.8	80-913	65	12.8/R30LED/CIRCLE MODULE/27K	120	2700	84	40000	870	110	3 (DIA.)	10/1
16	80-914	85	16/R40LED/CIRCLE MODULE/27K	120	2700	84	40000	1150	110	3 3/8 (DIA.)	10/1
-	80-924	-	R20/CLEAR LENS	120	-	-	-	-	-	-	10/1
-	80-925	-	R30/R40/CLEAR LENS	120	-	-	-	-	-	-	10/1

<sup>1</sup> Consult Satco or visit [www.satco.com](http://www.satco.com) for an up to date dimmer compatibility list.  
 NOTE: Power feeds must be ordered separately: **80-906** 12" Power Feed / **80-907** 24" Power Feed.

## Circular Light Engines – Dimmable<sup>1</sup>



Watts	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/Inr. Ctn.
19.5	80-905 Δ	100	19.5/LED/CIRCLE MODULE/27K	120	2700	84	30000	1420	110	8 1/8 (DIA.)	10/1
	80-904 Δ	100	19.5/LED/CIRCLE MODULE/35K	120	3500	83	30000	1450	110	8 1/8 (DIA.)	10/1

<sup>1</sup> Consult Satco or visit [www.satco.com](http://www.satco.com) for an up to date dimmer compatibility list.  
 Δ Certified Subcomponent Database (CSD) Listed  
 NOTE: Power feeds must be ordered separately: **80-906** 12" Power Feed / **80-907** 24" Power Feed.

## All In One Circular LED Module Retrofit Kit – Dimmable<sup>1</sup>



Watts	Satco Prod. #	Type	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/Inr. Ctn.
19.5	S9131 Δ	Retrofit Kit	19.5/LED/CIRCLE MODULE/27K	120	2700	84	30000	1420	110	8 1/8 D x 3/4 H	10/1
	S9132 Δ	Retrofit Kit	19.5/LED/CIRCLE MODULE/35K	120	3500	83	30000	1450	110	8 1/8 D x 3/4 H	10/1

<sup>1</sup> Consult Satco or visit [www.satco.com](http://www.satco.com) for an up to date dimmer compatibility list.  
 Δ Certified Subcomponent Database (CSD) Listed.



# Specialty Carded Lamps – Non-Dimmable

## Applications / Features

- Sign lamps
- Indicator
- Nightlights
- Decorative lamps
- Wet location



Watts	Bulb Type	Lamp Base	Satco Prod. #	Incand. Equiv.	Lamp Code	Volts	Lamp Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Beam Spread Degree	M.O.L. Inches	Mstr/Inr. Ctn.
<b>A15 Lamps</b>														
1.4	A15	Med.	S9150	15	1.4A15/CL/LED/CD	120	Clear	2700	80	25000	36	360	3 5/16	12/1
			S9151	15	1.4A15/FR/LED/CD	120	Frosted	2700	80	25000	45	360	3 5/16	12/1
<b>Decorative Lamps</b>														
1	BA9-1/2	Cande.	S9152	15	1CTC/LED/CD	120	Clear	2700	80	25000	25	360	3 5/8	12/1
			S9153	15	1CFC/LED/CD	120	Clear	2700	80	25000	25	360	3 7/8	12/1
	S9155	15	1CTD/LED/CRYSTAL/CD	120	Crystal	2700	80	25000	25	360	3 5/8	12/1		
1.4	B11	Med.	S9154	25	1.4ETC/LED/CD	120	Clear	2700	80	25000	36	360	3 13/16	12/1
<b>C-7 Night Lights</b>														
0.5	C7	Cande.	S9156	7	0.5C7/CL/LED/CD	120	Clear	2700	80	25000	14	360	3 1/16	12/1
			S9157	15	0.5C7/WH/LED/CD	120	White	2700	80	25000	14	360	3 1/16	12/1
<b>G16.5 Globe Lamps</b>														
1.4	G16-1/2	Med.	S9158	15	1.4G16.5/CL/LED/CD	120	Clear	2700	80	25000	36	360	2 3/4	12/1
			S9159	15	1.4G16.5/WH/LED/CD	120	Satin	2700	80	25000	45	360	2 13/16	12/1
<b>S11 Sign Bulbs</b>														
1.2	S11	Med.	S9160	7.5	1.2W S11/CL/LED/CD	120	Clear	2700	80	25000	32	360	2 5/16	12/1
			S9161	7.5	1.2W S11/WH/LED/CD	120	White	2700	75	25000	40	360	2 5/16	12/1
			S9162	7.5	1.2W S11/BL/LED/CD	120	Blue	-	-	25000	-	360	2 5/16	12/1
			S9163	7.5	1.2W S11/GR/LED/CD	120	Green	-	-	25000	-	360	2 5/16	12/1
			S9164	7.5	1.2W S11/OR/LED/CD	120	Orange	-	-	25000	-	360	2 5/16	12/1
			S9165	7.5	1.2W S11/RED/LED/CD	120	Red	-	-	25000	-	360	2 5/16	12/1
			S9166	7.5	1.2W S11/Y/LED/CD	120	Yellow	-	-	25000	-	360	2 5/16	12/1
1	S11	Inter.	S9167	7.5	1.0W S11/CL/LED/E17/CD	120	Clear	2700	80	25000	28	360	2 1/4	12/1
			S9168	7.5	1.0W S11/WH/LED/E17/CD	120	White	2700	80	25000	35	360	2 1/4	12/1
<b>S14 Sign Bulbs</b>														
1.4	S14	Med.	S9169	11	1.4W S14/Y/LED/CD	120	Yellow	-	-	25000	-	360	3 5/16	12/1
			S9170	11	1.4W S14/RED/LED/CD	120	Red	-	-	25000	-	360	3 5/16	12/1
			S9171	11	1.4W S14/GR/LED/CD	120	Green	-	-	25000	-	360	3 5/16	12/1
			S9172	11	1.4W S14/BL/LED/CD	120	Blue	-	-	25000	-	360	3 5/16	12/1
			S9173	11	1.4W S14/OR/LED/CD	120	Orange	-	-	25000	-	360	3 5/16	12/1
			S9174	11	1.4W S14/CL/LED/CD	120	Clear	2700	80	25000	36	360	3 5/16	12/1
			S9175	11	1.4W S14/FR/LED/CD	120	Frosted	2700	80	25000	45	360	3 5/16	12/1
			<b>T6 Indicator Lamps</b>											
0.8	T6	Cande.	S9176	15	0.8W T6/FR/LED/120V/CD	120	Frosted	2700	80	25000	25	360	2 1/16	12/1
			S9177	15	0.8W T6/CL/LED/120V/CD	120	Clear	2700	80	25000	20	360	2 1/16	12/1

## Dimmers

### Applications / Features

- Works with KolourOne™ and other LED and CFL lamps
- 150W CLF/LED or 600W Inc./ Halogen 120V
- Single pole or 3-way locations
- Dims mixed light sources on same circuit



Dimmer Switch

Satco Prod. #	Description	Color	Ctn.
<b>96-101</b>	Luméa C•L dimmer/W	White	48
<b>96-102</b>	Luméa C•L dimmer/I	Ivory	48
<b>96-103</b>	Luméa C•L dimmer/A	Almond	48

**LUTRON. Luméa C•L.**

## Occupancy/Vacancy Sensors

### Applications / Features

- Ideal for small rooms
- 250W Incandescent, Halogen, ELV, 200W MLV, 150W CFL, LED; 2 A ballasts
- Single pole
- California title 24 compliant



Occ/Vac Sensor

Satco Prod. #	Description	Color	Ctn.
<b>96-111</b>	Occupancy sensor switch/W	White	48
<b>96-112</b>	Occupancy sensor switch/I	Ivory	48
<b>96-113</b>	Occupancy sensor switch/A	Almond	48
<b>96-114</b>	Vacancy sensor switch/W	White	48
<b>96-115</b>	Vacancy sensor switch/I	Ivory	48
<b>96-116</b>	Vacancy sensor switch/A	Almond	48

**LUTRON. MAESTRO.**

## Wallplates

### Applications / Features

- Optional wallplate for Lutron® Maestro® and Luméa® vacancy sensors, occupancy sensors, and dimmers
- Three colors: white, ivory, and almond
- Invisible screw – screw heads do not show
- One through six gang plate configuration available



Wallplate

Satco Prod. #	Description	Gang	Color	Ctn.
<b>96-121</b>	Invisible-screw wall plate/W	1	White	48
<b>96-122</b>	Invisible-screw wall plate/I	1	Ivory	48
<b>96-123</b>	Invisible-screw wall plate/A	1	Almond	48
<b>96-221</b>	Claro 2 gang wall plate/W	2	White	48
<b>96-222</b>	Claro 2 gang wall plate/I	2	Ivory	48
<b>96-223</b>	Claro 2 gang wall plate/A	2	Almond	48
<b>96-321</b>	Claro 3 gang wall plate/W	3	White	48
<b>96-322</b>	Claro 3 gang wall plate/I	3	Ivory	48
<b>96-323</b>	Claro 3 gang wall plate/A	3	Almond	48
<b>96-421</b>	Claro 4 gang wall plate/W	4	White	48
<b>96-422</b>	Claro 4 gang wall plate/I	4	Ivory	48
<b>96-423</b>	Claro 4 gang wall plate/A	4	Almond	48
<b>96-521</b>	Claro 5 gang wall plate/W	5	White	8
<b>96-522</b>	Claro 5 gang wall plate/I	5	Ivory	8
<b>96-523</b>	Claro 5 gang wall plate/A	5	Almond	8
<b>96-621</b>	Claro 6 gang wall plate/W	6	White	8
<b>96-622</b>	Claro 6 gang wall plate/I	6	Ivory	8
<b>96-623</b>	Claro 6 gang wall plate/A	6	Almond	8



**Warranty:**

The limited warranty set forth below is given by SATCO Products Inc. with respect to the LED lighting product ("Product"), when delivered in new condition and in its original package, is warranted against defects in material and workmanship for a period of 3 years from the original date of purchase unless otherwise noted on the package. Defective Products should be returned to SATCO. Contact SATCO to obtain return authorization. Once returned product is proven defective upon inspection by SATCO, product will be repaired or exchanged as determined by SATCO.

All warranty and product life statements are based on operating the LED lamp in environments with an ambient temperature of 25 degrees Celsius / 77 degrees Fahrenheit.

This limited warranty covers all defects encountered in normal and recommended use of the product, and does not apply to cases below:

(A.): Loss or damage to the product due to abuse, mishandling, alteration, accident, electrical current fluctuation, failure to follow operating, maintenance or environmental instructions prescribed by SATCO. See safety notices on back.

(B.): Service provided by someone other than SATCO or an authorized service provider.

(C.): Warranty is void if product is not used for the intention which product was manufactured.

**Warning:**

- Risk of electric shock – use in dry or damp location only, as noted on package.
- This device is not intended for use with emergency exits.
- To prevent injury or property damage from falling lamp, only use in fixtures that can structurally support a lamp weighing 1 lbs.
- To prevent early lamp failure, lamp should only be installed in operating environments ranging from a minimum of -20°C (-4°F) to a maximum of +45°C (113°F).
- No user serviceable parts inside. To avoid electrical shock do not disassemble product.
- This product may cause interference with radios, televisions, telephones, or remote controls. If interference occurs, move this product away from the device, or plug into another electrical outlet.
- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

For addition information: [www.satco.com](http://www.satco.com)

# FLUORESCENT LAMPS

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.

**Quality, efficiency, taken to great lengths.**

#### 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 Product #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Ctn.	Notes
<b>25</b>	T8	Med. Bi Pin	<b>S8438**</b>	F32/25WT8/830/ES/ENV	Warm White	3000	85	30000	2400	48	47 3/4	30	4, 12, 13
			<b>S8439**</b>	F32/25WT8/835/ES/ENV	Neutral White	3500	85	30000	2400	48	47 3/4	30	4, 12, 13
			<b>S8440**</b>	F32/25WT8/841/ES/ENV	Cool White	4100	85	30000	2400	48	47 3/4	30	4, 12, 13
			<b>S8441**</b>	F32/25WT8/850/ES/ENV	Natural Light	5000	85	30000	2375	48	47 3/4	30	4, 12, 13
			<b>S8442**</b>	F32/25WT8/865/ES/ENV	Daylight	6500	85	30000	2300	48	47 3/4	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 3/4	30	4, 12, 13
			<b>S8423**</b>	F28T8/835/ES/ENV	Neutral White	3500	85	30000	2725	48	47 3/4	30	4, 12, 13
			<b>S8424**</b>	F28T8/841/ES/ENV	Cool White	4100	85	30000	2725	48	47 3/4	30	4, 12, 13
			<b>S8425**</b>	F28T8/850/ES/ENV	Natural Light	5000	85	30000	2700	48	47 3/4	30	4, 12, 13
			<b>S8437</b>	F28T8/865/ES/ENV	Daylight	6500	85	30000	2650	48	47 3/4	30	4, 12, 13

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

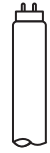
Watts	Bulb Type	Base	Satco Product #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Ctn.	Notes
<b>32</b>	T8	Med. Bi Pin	<b>S8426**</b>	F32T8/830/HL/ENV	Warm White	3000	85	30000	3100	48	47 3/4	30	4, 12, 13
			<b>S8427**</b>	F32T8/835/HL/ENV	Neutral White	3500	85	30000	3100	48	47 3/4	30	4, 12, 13
			<b>S8428**</b>	F32T8/841/HL/ENV	Cool White	4100	85	30000	3100	48	47 3/4	30	4, 12, 13
			<b>S8429**</b>	F32T8/850/HL/ENV	Natural Light	5000	85	30000	3100	48	47 3/4	30	4, 12, 13
			<b>S8430**</b>	F32T8/865/HL/ENV	Daylight	6500	85	30000	3000	48	47 3/4	30	4, 12, 13

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

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Ctn.	Notes
<b>32</b>	T8	Med. Bi Pin	<b>S8443</b>	F32T8/830/XL/ENV	Warm White	3000	82	36000	3050	48	47 3/4	30	4, 12, 13
			<b>S8444</b>	F32T8/835/XL/ENV	Neutral White	3500	82	36000	3000	48	47 3/4	30	4, 12, 13
			<b>S8445</b>	F32T8/841/XL/ENV	Cool White	4100	82	36000	3000	48	47 3/4	30	4, 12, 13
			<b>S8446</b>	F32T8/850/XL/ENV	Natural Light	5000	82	36000	2900	48	47 3/4	30	4, 12, 13
			<b>S8447</b>	F32T8/865/XL/ENV	Daylight	6500	82	36000	2900	48	47 3/4	30	4, 12, 13

\*\* CEE Listed

\* Shatter Proof is available on all Fluorescent Lamps.



T8  
Med. Bi Pin

## Standard T8 Lamps

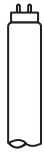
### T8 Instant/Rapid Start Lamps\* (Electronic Ballast) 24"

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Ctn.	Notes	
<b>17</b>	T8	Med. Bi Pin	<b>S8401</b>	F17T8/730/ENV	Warm White	3000	75	20000	1350	24	23 3/4	30	11, 12, 13	
			<b>S6520 ▲</b>	F17T8/730/ECO	Warm White	3000	75	24000	1300	24	23 3/4	30	11, 12, 13	
			<b>S8404</b>	F17T8/830/ENV	Warm White	3000	85	20000	1450	24	23 3/4	30	11, 12, 13	
			<b>S6523 ▲</b>	F17T8/830/ECO	Warm White	3000	82	24000	1400	24	23 3/4	30	11, 12, 13	
			<b>S8402</b>	F17T8/735/ENV	Neutral White	3500	75	20000	1350	24	23 3/4	30	11, 12, 13	
			<b>S6521 ▲</b>	F17T8/735/ECO	Neutral White	3500	75	24000	1300	24	23 3/4	30	11, 12, 13	
			<b>S8405</b>	F17T8/835/ENV	Neutral White	3500	85	20000	1450	24	23 3/4	30	11, 12, 13	
			<b>S6524 ▲</b>	F17T8/835/ECO	Neutral White	3500	82	24000	1400	24	23 3/4	30	11, 12, 13	
			<b>S8403</b>	F17T8/741/ENV	Cool White	4100	75	20000	1350	24	23 3/4	30	11, 12, 13	
			<b>S6522 ▲</b>	F17T8/741/ECO	Cool White	4100	75	24000	1300	24	23 3/4	30	11, 12, 13	
			<b>Shatter Proof</b>	<b>S6583 ▲</b>	F17T8/741/TF/ECO	Cool White	4100	75	24000	1300	24	23 3/4	30	9, 11, 12, 13
				<b>S8406</b>	F17T8/841/ENV	Cool White	4100	85	20000	1450	24	23 3/4	30	11, 12, 13
				<b>S6525 ▲</b>	F17T8/841/ECO	Cool White	4100	82	24000	1400	24	23 3/4	30	11, 12, 13
			<b>Shatter Proof</b>	<b>S6693 ▲</b>	F17T8/841/ECO	Cool White	4100	82	24000	1400	24	23 3/4	30	11, 12, 13
				<b>S8432</b>	F17T8/850/ENV	Natural Light	5000	82	20000	1400	24	23 3/4	30	11, 12, 13
				<b>S8433</b>	F17T8/865/ENV	Daylight	6500	82	20000	1300	24	23 3/4	30	11, 12, 13
	<b>S2913 ■</b>	F17T8/TL	Daylight	6250	94.5	14000	750	24	23 3/4	30	11, 12, 13			

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

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Ctn.	Notes	
<b>25</b>	T8	Med. Bi Pin	<b>S8407</b>	F25T8/730/ENV	Warm White	3000	75	20000	2150	36	35 3/4	30	11, 12, 13	
			<b>S6526 ▲</b>	F25T8/730/ECO	Warm White	3000	75	24000	2025	36	35 3/4	30	11, 12, 13	
			<b>S8410</b>	F25T8/830/ENV	Warm White	3000	85	20000	2300	36	35 3/4	30	11, 12, 13	
			<b>S6529 ▲</b>	F25T8/830/ECO	Warm White	3000	82	24000	2150	36	35 3/4	30	11, 12, 13	
			<b>S8408</b>	F25T8/735/ENV	Neutral White	3500	75	20000	2150	36	35 3/4	30	11, 12, 13	
			<b>S6527 ▲</b>	F25T8/735/ECO	Neutral White	3500	75	24000	2025	36	35 3/4	30	11, 12, 13	
			<b>S8411</b>	F25T8/835/ENV	Neutral White	3500	85	20000	2300	36	35 3/4	30	11, 12, 13	
			<b>S6530 ▲</b>	F25T8/835/ECO	Neutral White	3500	82	24000	2150	36	35 3/4	30	11, 12, 13	
			<b>S8409</b>	F25T8/741/ENV	Cool White	4100	75	20000	2150	36	35 3/4	30	11, 12, 13	
			<b>S6528 ▲</b>	F25T8/741/ECO	Cool White	4100	75	24000	2025	36	35 3/4	30	11, 12, 13	
			<b>Shatter Proof</b>	<b>S6584 ▲</b>	F25T8/741/TF/ECO	Cool White	4100	75	24000	2025	36	35 3/4	30	9, 11, 12, 13
				<b>S8412</b>	F25T8/841/ENV	Cool White	4100	85	20000	2300	36	35 3/4	30	11, 12, 13
			<b>Shatter Proof</b>	<b>S6692 ▲</b>	F25T8/841/TF/ECO	Cool White	4100	82	24000	2150	36	35 3/4	30	11, 12, 13
				<b>S6531 ▲</b>	F25T8/841/ECO	Cool White	4100	82	24000	2150	36	35 3/4	30	11, 12, 13
				<b>S8434</b>	F25T8/850/ENV	Natural Light	5000	82	20000	2200	36	35 3/4	30	11, 12, 13
				<b>S8435</b>	F25T8/865/ENV	Daylight	6500	82	20000	2150	36	35 3/4	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 Product #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Ctn.	Notes
<b>32</b>	T8	Med. Bi Pin	<b>S8413</b> †	F32T8/730/ENV	Warm White	3000	75	24000	2900	48	47 3/4	30	11,12,13
			<b>S6532</b> ▲†	F32T8/730/ECO	Warm White	3000	75	24000	2800	48	47 3/4	30	11,12,13
			<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>S8414</b> †	F32T8/735/ENV	Neutral White	3500	75	24000	2900	48	47 3/4	30	11,12,13
			<b>S8476</b> †	F32T8/735/ENV	Neutral White	3500	75	24000	2900	48	47 3/4	15/2	11,12,13
			<b>S6533</b> ▲†	F32T8/735/ECO	Neutral White	3500	75	24000	2800	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>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>S8415</b> †	F32T8/741/ENV	Cool White	4100	75	24000	2850	48	47 3/4	30	11,12,13
			<b>S8477</b> †	F32T8/741/ENV/2PK	Cool White	4100	75	24000	2850	48	47 3/4	15/2	11,12,13
			<b>S6534</b> ▲†	F32T8/741/ECO	Cool White	4100	75	24000	2800	48	47 3/4	30	11,12,13
			<b>Shatter Proof</b>			<b>S6585</b> ▲†	F32T8/741/TF/ECO	Cool White	4100	75	24000	2750	48
<b>S8420</b>	F32T8/841/ENV	Cool White				4100	85	24000	2950	48	47 3/4	30	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>S8416</b> †	F32T8/750/ENV	Natural Light	5000	75	24000	2650	48	47 3/4	30	11,12,13
			<b>S2918</b> ▲†	F32T8/750/ECO	Natural Light	5000	75	24000	2650	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>S2922</b> ■	F32T8/SUN	Daylight	6000	85	20000	3000	48	47 3/4	12	11,12,13
			<b>S8417</b> †	F32T8/765/ENV	Daylight	6500	75	24000	2750	48	47 3/4	30	11,12,13
			<b>S2921</b> ▲†	F32T8/765/ECO	Daylight	6500	75	24000	2700	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 Product #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	Leg Spacing	Ctn.	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>	FBO31/830	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>	FBO31/835	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>	FBO31/841	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>S2923 ▲</b>	FBO31/750	Natural Light	5000	75	20000	2600	22 9/16	1 5/8	15	11, 12, 13	
<b>32</b>	T8	Med. Bi Pin	<b>S8453</b>	FB32T8/730/U6/ENV	Warm White	3000	75	20000	2750	22 9/16	6	16	11, 12, 13	
			<b>S6553 ▲</b>	FBO32/730/6/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>	FBO32/830/6/ECO	Warm White	3000	82	20000	2850	22 9/16	6	16	11, 12, 13	
			<b>S8454</b>	FB32T8/735/U6/ENV	Neutral White	3500	75	20000	2750	22 9/16	6	16	11, 12, 13	
			<b>S6554 ▲</b>	FBO32/735/6/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>	FBO32/835/6/ECO	Neutral White	3500	82	20000	2850	22 9/16	6	16	11, 12, 13	
			<b>S8455</b>	FB32T8/741/U6/ENV	Cool White	4100	75	20000	2750	22 9/16	6	16	11, 12, 13	
			<b>S6555 ▲</b>	FBO32/741/6/ECO	Cool White	4100	75	20000	2750	22 9/16	6	16	11, 12, 13	
			<b>S8458</b>	FB32T8/841/U6/ENV	Warm White	4100	82	20000	3000	22 9/16	6	16	11, 12, 13	
			<b>S6558</b>	FBO32/841/6/ECO	Cool White	4100	82	20000	2850	22 9/16	6	16	11, 12, 13	
			<b>Shatter Proof</b>	<b>S6594▲†</b>	FBO32/741/6/TF/ECO	Cool White	4100	75	20000	2750	22 9/16	6	16	9, 11, 12, 13
			<b>Shatter Proof</b>	<b>S6699</b>	FBO32/841/6/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>	FBO32/750/6/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>S8461</b>	FB32T8/765/ENV	Daylight	6500	75	20000	2650	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

\*\* CEE Listed

\* Shatter Proof is available on all Fluorescent Lamps.

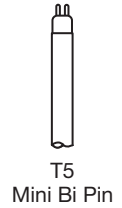


T5  
Mini Bi Pin

## T5 High Performance Lamps\*

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Ctn.	Notes
<b>14</b>	T5	Mini Bi Pin	<b>S8125</b>	F14T5/830/ENV	Warm White	3000	85	24000	1350	24	22 <sup>3</sup> / <sub>16</sub>	40	11,12,13
			<b>S6425 ▲</b>	FP14/830/ECO	Warm White	3000	82	25000	1275	24	22 <sup>3</sup> / <sub>16</sub>	40	11,12,13
			<b>S8126</b>	F14T5/835/ENV	Neutral White	3500	85	24000	1350	24	22 <sup>3</sup> / <sub>16</sub>	40	11,12,13
			<b>S6426 ▲</b>	FP14/835/ECO	Neutral White	3500	82	25000	1275	24	22 <sup>3</sup> / <sub>16</sub>	40	11,12,13
			<b>S8127</b>	F14T5/841/ENV	Cool White	4100	85	24000	1350	24	22 <sup>3</sup> / <sub>16</sub>	40	11,12,13
			<b>S6427 ▲</b>	FP14/841/ECO	Cool White	4100	82	25000	1275	24	22 <sup>3</sup> / <sub>16</sub>	40	11,12,13
			<b>S8110</b>	F14T5/850/ENV	Natural Light	5000	85	24000	1350	24	22 <sup>3</sup> / <sub>16</sub>	40	11,12,13
			<b>S8111</b>	F14T5/865/ENV	Daylight	6500	85	24000	1350	24	22 <sup>3</sup> / <sub>16</sub>	40	11,12,13
<b>21</b>	T5	Mini Bi Pin	<b>S8128</b>	F21T5/830/ENV	Warm White	3000	85	24000	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	24000	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	24000	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	24000	2100	36	34	40	11,12,13
			<b>S8113</b>	F21T5/865/ENV	Daylight	6500	85	24000	2100	36	34	40	11,12,13
<b>28</b>	T5	Mini Bi Pin	<b>S8131</b>	F28T5/830/ENV	Warm White	3000	85	24000	2900	48	45 <sup>13</sup> / <sub>16</sub>	40	11,12,13
			<b>S6431 ▲</b>	FP28/830/ECO	Warm White	3000	82	30000	2750	48	45 <sup>13</sup> / <sub>16</sub>	40	11,12,13
			<b>S8132</b>	F28T5/835/ENV	Neutral White	3500	85	24000	2900	48	45 <sup>13</sup> / <sub>16</sub>	40	11,12,13
			<b>S6432 ▲</b>	FP28/835/ECO	Neutral White	3500	82	30000	2750	48	45 <sup>13</sup> / <sub>16</sub>	40	11,12,13
			<b>S8133</b>	F28T5/841/ENV	Cool White	4100	85	24000	2900	48	45 <sup>13</sup> / <sub>16</sub>	40	11,12,13
			<b>S6433 ▲</b>	FP28/841/ECO	Cool White	4100	82	30000	2750	48	45 <sup>13</sup> / <sub>16</sub>	40	11,12,13
			<b>S8114</b>	F28T5/850/ENV	Natural Light	5000	85	24000	2900	48	45 <sup>13</sup> / <sub>16</sub>	40	11,12,13
			<b>S8115</b>	F28T5/865/ENV	Daylight	6500	85	24000	2900	48	45 <sup>13</sup> / <sub>16</sub>	40	11,12,13
<b>35</b>	T5	Mini Bi Pin	<b>S8134</b>	F35T5/830/ENV	Warm White	3000	85	24000	3650	60	57 <sup>9</sup> / <sub>16</sub>	40	11,12,13
			<b>S6434 ▲</b>	FP35/830/ECO	Warm White	3000	82	25000	3425	60	57 <sup>9</sup> / <sub>16</sub>	40	11,12,13
			<b>S8135</b>	F35T5/835/ENV	Neutral White	3500	85	24000	3650	60	57 <sup>9</sup> / <sub>16</sub>	40	11,12,13
			<b>S6435 ▲</b>	FP35/835/ECO	Neutral White	3500	82	25000	3425	60	57 <sup>9</sup> / <sub>16</sub>	40	11,12,13
			<b>S8136</b>	F35T5/841/ENV	Cool White	4100	85	24000	3650	60	57 <sup>9</sup> / <sub>16</sub>	40	11,12,13
			<b>S6436 ▲</b>	FP35/841/ECO	Cool White	4100	82	25000	3425	60	57 <sup>9</sup> / <sub>16</sub>	40	11,12,13
			<b>S8116</b>	F35T5/850/ENV	Natural Light	5000	85	24000	3650	60	57 <sup>9</sup> / <sub>16</sub>	40	11,12,13
			<b>S8117</b>	F35T5/865/ENV	Daylight	6500	85	24000	3650	60	57 <sup>9</sup> / <sub>16</sub>	40	11,12,13

\* Shatter Proof is available on all Fluorescent Lamps.

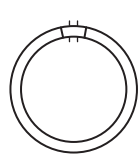


## T5 HO High Performance Lamps\*

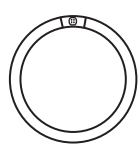
Watts	Bulb Type	Base	Satco Product #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Ctn.	Notes
<b>24</b>	T5	Mini Bi Pin	<b>S8137</b>	F24T5/830/HO/ENV	Warm White	3000	85	24000	2000	24	22 <sup>3</sup> / <sub>16</sub>	40	11, 12, 13
			<b>S6437 ▲</b>	FP24/830/HO/ECO	Warm White	3000	82	30000	1875	24	22 <sup>3</sup> / <sub>16</sub>	40	11, 12, 13
			<b>S8138</b>	F24T5/835/HO/ENV	Neutral White	3500	85	24000	2000	24	22 <sup>3</sup> / <sub>16</sub>	40	11, 12, 13
			<b>S6438 ▲</b>	FP24/835/HO/ECO	Neutral White	3500	82	30000	1875	24	22 <sup>3</sup> / <sub>16</sub>	40	11, 12, 13
			<b>S8139</b>	F24T5/841/HO/ENV	Cool White	4100	85	24000	2000	24	22 <sup>3</sup> / <sub>16</sub>	40	11, 12, 13
			<b>S6439 ▲</b>	FP24/841/HO/ECO	Cool White	4100	82	30000	1875	24	22 <sup>3</sup> / <sub>16</sub>	40	11, 12, 13
			<b>S8118</b>	F24T5/850/HO/ENV	Natural Light	5000	85	24000	2000	24	22 <sup>3</sup> / <sub>16</sub>	40	11, 12, 13
			<b>S8119</b>	F24T5/865/HO/ENV	Daylight	6500	85	24000	2000	24	22 <sup>3</sup> / <sub>16</sub>	40	11, 12, 13
<b>39</b>	T5	Mini Bi Pin	<b>S8140</b>	F39T5/830/HO/ENV	Warm White	3000	85	24000	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	24000	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	24000	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	24000	3500	36	34	40	11, 12, 13
			<b>S8121</b>	F39T5/865/HO/ENV	Daylight	6500	85	24000	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	24000	5000	48	45 <sup>13</sup> / <sub>16</sub>	40	11, 12, 13
			<b>S6443 ▲</b>	FP54/830/HO/ECO	Warm White	3000	82	40000	4725	48	45 <sup>13</sup> / <sub>16</sub>	40	11, 12, 13
			<b>S8144</b>	F54T5/835/HO/ENV	Neutral White	3500	85	24000	5000	48	45 <sup>13</sup> / <sub>16</sub>	40	11, 12, 13
			<b>S6444 ▲</b>	FP54/835/HO/ECO	Neutral White	3500	82	40000	4725	48	45 <sup>13</sup> / <sub>16</sub>	40	11, 12, 13
			<b>S8145</b>	F54T5/841/HO/ENV	Cool White	4100	85	24000	5000	48	45 <sup>13</sup> / <sub>16</sub>	40	11, 12, 13
			<b>S6445 ▲</b>	FP54/841/HO/ECO	Cool White	4100	82	40000	4725	48	45 <sup>13</sup> / <sub>16</sub>	40	11, 12, 13
			<b>S8122</b>	F54T5/850/HO/ENV	Natural Light	5000	85	24000	5000	48	45 <sup>13</sup> / <sub>16</sub>	40	11, 12, 13
			<b>S8123</b>	F54T5/865/HO/ENV	Daylight	6500	85	24000	5000	48	45 <sup>13</sup> / <sub>16</sub>	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 <sup>9</sup> / <sub>16</sub>	40	11, 12, 13
			<b>S6447 ▲</b>	FP80/835/HO/ECO	Neutral White	3500	82	25000	6575	60	57 <sup>9</sup> / <sub>16</sub>	40	11, 12, 13
			<b>S6448 ▲</b>	FP80/841/HO/ECO	Cool White	4100	82	25000	6575	60	57 <sup>9</sup> / <sub>16</sub>	40	11, 12, 13

\* Shatter Proof is available on all Fluorescent Lamps.





T5  
2GX13



T5  
G10q



T2  
Axial

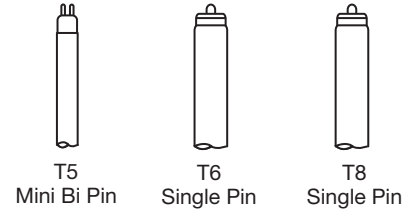
### T5 Circline High Performance Lamps\*

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Ctn.	Notes
22	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
	G10q	<b>S8166</b>	FC22T5/865/G10q	Daylight	6500	82	12000	1800	9	9	12	11,12,13	
40	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
55	T5	2GX13	<b>S8161</b>	FC55T5/HO/830	Warm White	3000	82	12000	4200	12	12	12	11,12,13
			<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 Product #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Ctn.	Notes
6	T2	Axial	<b>S6488 ▲</b>	FM6/830	Warm White	3000	80	10000	330	8 9/16	8 9/16	20	5,12
8	T2	Axial	<b>S6490 ▲</b>	FM8/830	Warm White	3000	80	10000	540	12 9/16	12 9/16	20	5,12
			<b>S6491 ▲</b>	FM8/841	Cool White	4100	80	10000	540	12 9/16	12 9/16	20	5,12
11	T2	Axial	<b>S6492 ▲</b>	FM11/830	Warm White	3000	80	10000	750	16 9/16	16 9/16	20	5,12
			<b>S6493 ▲</b>	FM11/841	Cool White	4100	80	10000	750	16 9/16	16 9/16	20	5,12
13	T2	Axial	<b>S6494 ▲</b>	FM13/830	Warm White	3000	80	10000	930	20 9/16	20 9/16	20	5,12
			<b>S2903 ▲</b>	FM13/835	Neutral White	3500	80	10000	930	20 9/16	20 9/16	20	5,12

\* Shatter Proof is available on all Fluorescent Lamps.



## T5 Preheat Lamps\*

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

## T6 and T8 Instant Start Slimline Lamps\*

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Ctn.	Notes
25	T6	Single Pin	<b>S6470 ▲</b>	F42T6/WW	Warm White	3000	52	7500	1825	42	40	24	12, 13
			<b>S2929 ▲†</b>	F42T6/D35	Neutral White	3500	70	7500	1830	42	40	24	12, 13
			<b>S6471 ▲</b>	F42T6/CW	Cool White	4200	62	7500	1750	42	40	24	12, 13
			<b>Shatter Proof S6591 ▲</b>	F42T6/CW/TF	Cool White	4200	62	7500	1750	42	40	24	9, 12, 13
38	T6	Single Pin	<b>S6475 ▲</b>	F64T6/CW	Cool White	4200	62	7500	2800	64	62	24	12, 13
			<b>Shatter Proof S6592 ▲</b>	F64T6/CW/TF	Cool White	4200	62	7500	2800	64	62	24	9, 12, 13
38	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  
Single Pin

### T8 Preheat Lamps\* (Magnetic Ballast)

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Ctn.	Notes
<b>15</b>	T8	Med. Bi Pin	<b>S6512</b> ▲	F15T8/WW	Warm White	3000	52	7500	845	18	17 3/4	24	12, 13
			<b>S6510</b> ▲	F15T8/CW	Cool White	4100	62	7500	850	18	17 3/4	24	12, 13
			<b>S6665</b> ■	F15T8/SUN	Daylight	6250	94.5	12000	600	18	17 3/4	6	12, 13
			<b>S6511</b> ▲	F15T8/D	Daylight	6500	76	7500	750	18	17 3/4	24	12, 13
<b>18</b>	T8	Med. Bi Pin	<b>S6513</b> ▲	F18T8/CW/K24	Cool White	4100	62	7500	1035	24	23 3/4	24	3, 12, 13
			<b>S6514</b> ▲	F18T8/CW/K26	Cool White	4100	62	7500	1079	26	25 3/4	24	3, 12, 13
			<b>S6515</b> ▲	F18T8/CW/K28	Cool White	4100	62	7500	1131	28	27 3/4	24	3, 12, 13
			<b>S6516</b> ▲	F18T8/CW/K30	Cool White	4100	62	7500	1200	30	29 3/4	24	3, 12, 13
<b>30</b>	T8	Med. Bi Pin	<b>S6519</b> ▲	F30T8/WW	Warm White	3000	52	7500	2150	36	35 3/4	24	12, 13
			<b>S6517</b> ▲	F30T8/CW	Cool White	4100	62	7500	1380	36	35 3/4	24	12, 13
			<b>S6518</b> ▲	F30T8/D	Daylight	6500	76	7500	2180	36	35 3/4	24	12, 13

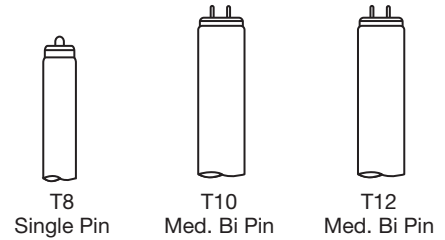
### T8 Instant/Rapid Start Lamps\* (Electronic Ballast) 18"

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Ctn.	Notes
<b>15</b>	T8	Med. Bi Pin	<b>S7925</b>	F15T8/WW	Warm White	3000	52	7500	845	18	17 3/4	24	12, 13
			<b>S7949</b>	F15T8/CW	Cool White	4100	62	7500	850	18	17 3/4	24	12, 13
			<b>S7950</b>	F15T8/D	Daylight	6500	76	7500	750	18	17 3/4	24	12, 13

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

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Ctn.	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.



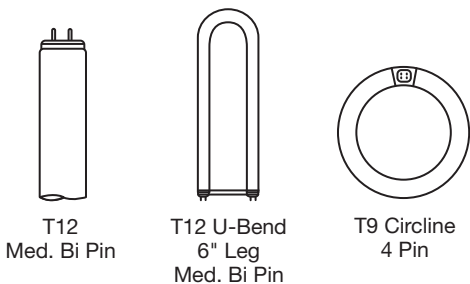
## T8 Instant/Rapid Start Lamps\* (Electronic Ballast) 60" & 96" (continued)

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Ctn.	Notes
<b>59</b>	T8	Single Pin	<b>S6538</b> †▲	F96T8/730/ECO	Warm White	3000	75	18000	5700	96	94	24	11,12,13
			<b>S6541</b> ▲	F96T8/830/ECO	Warm White	3000	82	18000	5900	96	94	24	11,12,13
			<b>S6539</b> †▲	F96T8/735/ECO	Neutral White	3500	75	18000	5700	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>S6540</b> †▲	F96T8/741/ECO	Cool White	4100	75	18000	5700	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 Product #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Ctn.	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 3/4	30	12,13
			<b>S6559</b> ▲	F14T12/CW	Cool White	4100	62	7500	650	15	14 3/4	30	12,13
			<b>S6560</b> ▲	F14T12/D	Daylight	6500	76	7500	590	15	14 3/4	30	12,13
<b>15</b>	T12	Med. Bi Pin	<b>S6564</b> ▲	F15T12/WW	Warm White	3000	52	7500	770	18	17 3/4	30	12,13
			<b>S6562</b> ▲	F15T12/CW	Cool White	4100	62	7500	750	18	17 3/4	30	12,13
			<b>S6563</b> ▲	F15T12/D	Daylight	6500	76	7500	660	18	17 3/4	30	12,13
<b>20</b>	T12	Med. Bi Pin	<b>S6567</b> ▲	F20T12/WW	Warm White	3000	52	9000	1250	24	23 3/4	30	12,13
			<b>S6565</b> ▲	F20T12/CW	Cool White	4100	62	9000	1220	24	23 3/4	30	12,13
			<b>Shatter Proof S6579</b> ▲	F20T12/CW/TF	Cool White	4100	62	9000	1220	24	23 3/4	30	9,12,13
			<b>S6666</b> ▲	F20T12SUN	Daylight	6250	94.5	14000	800	24	23 3/4	6	12,13
			<b>S6566</b> ▲	F20T12/D	Daylight	6500	76	9000	1075	24	23 3/4	30	12,13
<b>25</b>	T12	Med. Bi Pin	<b>S6568</b> ▲	F25T12/CW/28	Cool White	4100	62	7500	1670	28	27 3/4	30	12,13
			<b>S6569</b> ▲	F25T12/CW/30	Cool White	4100	62	7500	1730	30	29 3/4	30	12,13
			<b>S6570</b> ▲	F25T12/CW/33	Cool White	4100	62	7500	1750	33	32 3/4	30	12,13

\* Shatter Proof is available on all Fluorescent Lamps.



## T12 Rapid Start Lamps\* 36"

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Ctn.	Notes
30	T12	Med. Bi Pin	<b>S6573</b> ▲	F30T12/WW/RS	Warm White	3000	52	18500	2275	36	35 3/4	30	12, 13
			<b>S6575</b> ▲	F30T12/D35/RS	Neutral White	3500	70	18000	2250	36	35 3/4	30	12, 13
			<b>S6571</b> ▲	F30T12/CW/RS	Cool White	4200	62	18000	2200	36	35 3/4	30	12, 13
			<b>Shatter Proof S6580</b> ▲	F30T12/CW/RS/TF	Cool White	4200	62	18000	2200	36	35 3/4	30	9, 12, 13
			<b>S6667</b> ▲	F30T12SUN/RS	Daylight	6250	94	22000	1650	36	35 3/4	30	12, 13
			<b>S6572</b> ▲	F30T12/D/RS	Daylight	6500	76	18000	1900	36	35 3/4	30	12, 13

## T12 Rapid Start Lamps\* 48"

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Ctn.	Notes
40	T12	Med. Bi Pin	<b>Y21376</b> ▲	F40T12/930/ECO	Cool White	4100	88	20000	3000	48	47 3/4	30	12, 13
			<b>S6637</b>	F40T12/CWX	Cool White	4100	90	24000	2550	48	47 3/4	30	12, 13
			<b>S2927</b> ▲	F40T12/CWX	Cool White	4100	87	20000	2150	48	47 3/4	30	12, 13
			<b>S6610</b> ▲	F40T12/DSGN50	Natural Light	5000	90	20000	2200	48	47 3/4	30	12, 13
			<b>S6668</b> ▲	F40T12/SUN	Daylight	6250	94.5	26000	2100	48	47 3/4	30	12, 13
			<b>S6638</b>	F40T12/DX	Daylight	6500	90	24000	2100	48	47 3/4	30	12, 13
			<b>S6608</b> ▲	F40T12/DX	Daylight	6500	88	20000	2180	48	47 3/4	30	12, 13

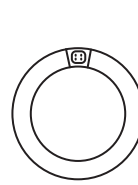
## T12 Rapid Start U-Bend Lamps\*

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Ctn.	Notes
34	T12	Med. Bi Pin	<b>S6684</b> ▲	FB34/D35/6/SS	Neutral White	3500	70	20000	2730	22 1/2	6	12	6, 12, 13
			<b>Y24965</b> ▲	FB34/930/6/SS/ECO	Warm White	3000	90	18000	2600	22 1/2	6	12	6, 12, 13
			<b>Shatter Proof S6593</b> ▲†	FB34/CW/6/SS/TF	Cool White	4200	62	18000	2600	22 1/2	6	12	6, 9, 12, 13
40	T12	Med. Bi Pin	<b>S6686</b> ▲	FB40/DX/6	Daylight	6500	88	18000	2300	22 1/2	6	12	12, 13
			<b>Y24004</b> ▲	FB40CWX/6	Cool White	4100	87	18000	2100	22 1/2	6	12	6, 9, 12, 13
			<b>Shatter Proof S6813</b> ▲	FB40CWX/6/TF	Cool White	4100	87	18000	2100	22 1/2	6	12	12, 13

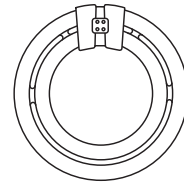
## T9 Circline Lamps\*

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Diameter Inches	M.O.L. Inches	Ctn.	Notes
20	T9	4-Pin	<b>S2950</b>	FC6T9/WW/RS	Warm White	3000	52	12000	810	6 1/2	6 1/2	12	12, 13
			<b>S6509</b>	FC6T9/CW/RS	Cool White	4100	62	12000	750	6 1/2	6 1/2	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  
4 Pin



T9 2C  
Circline  
4 Pin



T12  
Single Pin

## T9 Circline Lamps\* (continued)

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Diameter Inches	M.O.L. Inches	Ctn.	Notes
32	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
40	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 Product #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Ctn.	Notes
40	T9	4-Pin	<b>S6508</b>	FC402C/SW/TC	Warm White	3000	82	12000	2650	7 1/2	7 1/2	12	12, 13
55	T9	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 Product #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Ctn.	Notes
30	T12	Single Pin	<b>S6472</b> ▲	F36T12/CW	Cool White	4200	62	7500	1970	36	34	30	12, 13
39	T12	Single Pin	<b>S6660</b> ▲	F48T12/CW	Cool White	4200	62	9000	2875	48	46	30	12, 13
			<b>Shatter Proof S6586</b> ▲	F48T12/CW/TF	Cool White	4200	62	9000	2875	48	46	30	9, 12, 13
50	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
52	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
55	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
70	T12	Single Pin	<b>S6663</b> ▲	F84T12/CW	Cool White	4200	62	12000	5300	84	82	15	12, 13

\* Shatter Proof is available on all Fluorescent Lamps.



T12  
Single Pin



T12  
Rec. DC

### T12 Instant Start Slimline Lamps\* 96"

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Ctn.	Notes
75	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 Product #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Ctn.	Notes
25	T12	Rec. DC	<b>S2933</b> ■	F18T12/CW/HO	Cool White	4200	62	9000	1100	18	15 <sup>15</sup> / <sub>16</sub>	30	12, 13
			<b>S2934</b> ▲	F18T12/DSGN50/HO	Natural Light	5000	90	9000	850	18	15 <sup>15</sup> / <sub>16</sub>	30	12, 13
35	T12	Rec. DC	<b>S6449</b> ▲	F24T12/CW/HO	Cool White	4200	62	9000	1650	24	21 <sup>15</sup> / <sub>16</sub>	30	12, 13
			<b>S6450</b> ▲	F24T12/D/HO	Daylight	6500	76	9000	1400	24	21 <sup>15</sup> / <sub>16</sub>	30	12, 13
42	T12	Rec. DC	<b>S6451</b> ▲	F30T12/CW/HO	Cool White	4200	62	9000	2250	30	27 <sup>15</sup> / <sub>16</sub>	30	12, 13
45	T12	Rec. DC	<b>S6452</b> ▲	F36T12/CW/HO	Cool White	4200	62	9000	2850	36	33 <sup>15</sup> / <sub>16</sub>	30	12, 13
			<b>S2936</b> ▲	F36T12/DSGN50/HO	Natural Light	5000	90	9000	2100	36	33 <sup>15</sup> / <sub>16</sub>	30	12, 13
			<b>S2937</b> ▲	F36T12/D/HO	Daylight	6500	76	9000	2500	36	33 <sup>15</sup> / <sub>16</sub>	30	12, 13
55	T12	Rec. DC	<b>S6453</b> ▲	F42T12/CW/HO	Cool White	4200	62	9000	3400	42	39 <sup>15</sup> / <sub>16</sub>	30	12, 13
			<b>S6454</b> ▲	F42T12/D/HO	Daylight	6500	76	9000	3050	42	39 <sup>15</sup> / <sub>16</sub>	30	12, 13
70	T12	Rec. DC	<b>S6670</b> ▲	F48T12/CW/HO	Cool White	4200	62	12000	4050	48	46	30	12, 13
			<b>Shatter Proof</b> <b>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
75	T12	Rec. DC	<b>S6671</b> ▲	F60T12/CW/HO	Cool White	4200	62	12000	5200	60	57 <sup>15</sup> / <sub>16</sub>	30	12, 13
			<b>S6457</b> ▲	F60T12/D/HO	Daylight	6500	76	12000	4600	60	57 <sup>15</sup> / <sub>16</sub>	30	12, 13
80	T12	Rec. DC	<b>S6672</b> ▲	F64T12/CW/HO	Cool White	4200	62	12000	5750	64	61 <sup>15</sup> / <sub>16</sub>	30	12, 13
			<b>S2942</b> ▲	F64T12/DSGN50/HO	Natural Light	5000	90	12000	4200	64	61 <sup>15</sup> / <sub>16</sub>	30	12, 13
			<b>S6458</b> ▲	F64T12/D/HO	Daylight	6500	76	12000	4900	64	61 <sup>15</sup> / <sub>16</sub>	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 Product #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Ctn.	Notes
<b>85</b>	T12	Rec. DC	<b>S2944</b> ▲	F72T12/D35/HO	Neutral White	3500	70	12000	6650	72	69 <sup>15</sup> / <sub>16</sub>	15	12, 13
			<b>S6673</b> ▲	F72T12/CW/HO	Cool White	4200	62	12000	6250	72	69 <sup>15</sup> / <sub>16</sub>	15	12, 13
			<b>S6460</b> ▲	F72T12/D/HO	Daylight	6500	76	12000	5550	72	69 <sup>15</sup> / <sub>16</sub>	15	12, 13
<b>100</b>	T12	Rec. DC	<b>S6674</b> ▲	F84T12/CW/HO	Cool White	4200	62	12000	7550	84	81 <sup>15</sup> / <sub>16</sub>	15	12, 13
			<b>S2945</b> ▲	F84T12/DSGN50/HO	Natural Light	5000	90	12000	5600	84	81 <sup>15</sup> / <sub>16</sub>	15	12, 13
			<b>S6461</b> ▲	F84T12/D/HO	Daylight	6500	76	12000	6700	84	81 <sup>15</sup> / <sub>16</sub>	15	12, 13
<b>110</b>	T12	Rec. DC	<b>S6676</b> ▲	F96T12/CW/HO/CT	Cool White	4200	62	12000	8600	96	93 <sup>15</sup> / <sub>16</sub>	15	10, 12, 13
			<b>Shatter Proof</b> <b>S6589</b> ▲	F96T12/CW/HO/CT/TF	Cool White	4200	62	12000	8600	96	93 <sup>15</sup> / <sub>16</sub>	15	9, 10, 12, 13
			<b>S2946</b> ▲	F96T12/DSGN50/HO	Natural Light	5000	90	12000	6450	96	93 <sup>15</sup> / <sub>16</sub>	15	12, 13
			<b>S6462</b> ▲	F96T12/D/HO/CT	Daylight	6500	76	12000	7600	96	93 <sup>15</sup> / <sub>16</sub>	15	10, 12, 13
<b>124</b>	T12	Rec. DC	<b>S5454</b> ■	F108T12/CW/HO	Cool White	4200	62	12000	10350	108	105	10	12, 13
			<b>S5255</b> ■	F108T12/D/HO	Daylight	6500	76	12000	8800	108	105	10	12, 13
<b>132</b>	T12	Rec. DC	<b>S5256</b> ■	F117T12/CW/HO	Cool White	4200	62	12000	11200	117	114	10	12, 13
			<b>S5257</b> ■	F117T12/D/HO	Daylight	6500	76	12000	9500	117	114	10	12, 13
<b>135</b>	T12	Rec. DC	<b>S5224</b> ■	F120T12/CW/HO	Cool White	4200	62	12000	11500	120	117	10	12, 13
			<b>S5227</b> ■	F120T12/D/HO	Daylight	6500	76	12000	9750	120	117	10	12, 13

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

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Ctn.	Notes
<b>115</b>	T12	Rec. DC	<b>S6463</b> ▲	F48T12/CW/VHO	Cool White	4200	62	10000	6600	48	45 <sup>15</sup> / <sub>16</sub>	30	12, 13
			<b>S6595</b> ▲	F48T12/CW/VHO/TF	Cool White	4200	62	20000	7400	48	45 <sup>15</sup> / <sub>16</sub>	30	12, 13
<b>160</b>	T12	Rec. DC	<b>S6466</b> ▲	F72T12/CW/VHO	Cool White	4200	62	10000	10600	72	69 <sup>15</sup> / <sub>16</sub>	15	12, 13
<b>195</b>	T12	Rec. DC	<b>S6467</b> ▲	F96T12/CW/VHO/SS	Cool White	4200	62	10000	13000	96	93 <sup>15</sup> / <sub>16</sub>	15	12, 13
<b>215</b>	T12	Rec. DC	<b>S6677</b> ▲	F96T12/CW/VHO	Cool White	4200	62	10000	14000	96	93 <sup>15</sup> / <sub>16</sub>	15	12, 13
			<b>Shatter Proof</b> <b>S6590</b> ▲	F96T12/CW/VHO/TF	Cool White	4200	62	10000	14000	96	93 <sup>15</sup> / <sub>16</sub>	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 Product #	Lamp Code	Color	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Nominal Length Inches	M.O.L. Inches	Ctn.	Notes
15	T8	Med. Bi Pin	<b>S6888</b> ▲	F15T8/GRO/AQ/RP	Purple	-	66	7500	325	18	17 3/4	6	12,13
20	T12	Med. Bi Pin	<b>S6889</b> ▲	F20/GRO/AQ/RP	Purple	-	66	9000	480	24	23 3/4	6	12,13
40	T12	Med. Bi Pin	<b>S6892</b> ▲	F40/GRO/AQ/RP	Purple	-	66	20000	1200	48	47 3/4	6	12,13
			<b>S6893</b> ▲	F40/GRO/AQ/WS/RP	Pink	3400	89	20000	1700	48	47 3/4	6	8,12,13

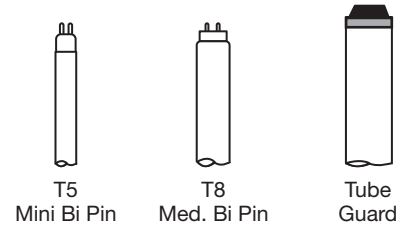
### Blacklight Lamps\*

Watts	Type	Bulb Base	Satco Product #	Lamp Code	Color	Avg. Rated Hours	Nominal Initial Inches	M.O.L. Inches	Ctn.	Notes
4	T5	Mini. Bi Pin	<b>S2904</b> ■	F4T5/BL	Black Light	5000	6	5 15/16	20	1
6	T5	Mini. Bi Pin	<b>S2905</b> ■	F6T5/BL	Black Light	5000	9	8 15/16	20	1
15	T8	Med. Bi Pin	<b>S4574</b> ■	F15T8/BL	Black Light	7500	18	17 3/4	25	1
20	T12	Med. Bi Pin	<b>S2925</b> ▲	F20T12/350BL	Black Light	9000	24	23 3/4	30	1
22	T12	Med. Bi Pin	<b>S6874</b> ▲	F15*T12/350BL/500/PH	Black Light	-	15	17 3/4	30	1
25	T8	Med. Bi Pin	<b>S6875</b> ▲	F25T8/350BL/18"	Black Light	-	18	17 3/4	24	1
30	T8	Med. Bi Pin	<b>S6876</b> ▲	F30T8/350BL	Black Light	7500	36	35 3/4	24	1
32	T12	Med. Bi Pin	<b>S6877</b> ▲	F18*T12/350BL/700/PH	Black Light	-	18	17 3/4	30	1
40	T12	Med. Bi Pin	<b>S2926</b> ▲	F40/350BL	Black Light	20000	48	47 3/4	30	

### Blacklight Blue Lamps\*

Watts	Type	Bulb Base	Satco Product #	Lamp Code	Color	Avg. Rated Hours	Nominal Initial Inches	M.O.L. Inches	Ctn.	Notes
4	T5	Mini. Bi Pin	<b>S6405</b> ■	F4T5/BLB	Blk. Lt. Blue	5000	6	5 15/16	20	2
6	T5	Mini. Bi Pin	<b>S2907</b> ■	F6T5/BLB	Blk. Lt. Blue	5000	9	8 15/16	20	2
8	T5	Mini. Bi Pin	<b>S6406</b> ■	F8T5/BLB	Blk. Lt. Blue	5000	12	11 15/16	20	2
15	T8	Med. Bi Pin	<b>S6407</b> ■	F15T8/BLB	Blk. Lt. Blue	7500	18	17 3/4	20	2
20	T12	Med. Bi Pin	<b>S6408</b> ■	F20T12/BLB	Blk. Lt. Blue	9000	24	23 3/4	30	2
40	T12	Med. Bi Pin	<b>S6409</b> ▲	F40/BLB/RP	Blk. Lt. Blue	20000	48	47 3/4	6	2

\* Shatter Proof is available on all Fluorescent Lamps.



## Germicidal Preheat Lamps\*

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

## Polycarbonate Tube Guards With End Caps

Type	Satco Product #	Lamp Code	Description	Length Inches	Ctn.
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

Not for use with HO or VHO lamps.

## Lighting Product Recycling Program – Drop Ship Program

Satco Product #	Description	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

\* 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 [www.lamprecycle.org](http://www.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 degrees at the ends. The maximum allowable bulb wall temperature is 150 degrees 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 degrees 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, eY 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.

# COMPACT FLUORESCENT LAMPS

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 and ENERGY STAR® certified compact fluorescent lamps from 5W mini spirals, to decorative types, to our HI-PRO high-wattage spirals suitable for almost any commercial application.

**Lamps that keep on saving.**

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
- Many ENERGY STAR® certified choices
- Virtually all industry standard base types available





Nuvo Lighting's energy saving Patton ES nine light chandelier in Prairie Bronze with White Frosted Glass. Nuvo item number 60-5159. See the [www.nuvolighting.com](http://www.nuvolighting.com) website.

### ENERGY STAR® lamps.

ENERGY STAR is a government-backed symbol for energy efficiency, jointly managed by the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy (DOE). The label was created to help consumers easily identify products that save energy and help to protect the environment.

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 energy saving Odeon ES five light chandelier in Brushed Nickel with Satin White Glass. Nuvo item number 60-3806. See the [www.nuvolighting.com](http://www.nuvolighting.com) website.



# COMPACT FLUORESCENT



Mini Spiral  
Cand.



Mini Spiral  
Med.

## Screw In Lamps

### T2 Ultra Mini Spiral Lamps

Suitable for enclosed fixtures

Watts	Bulb Type	Base	Satco Product #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/Inner Ctn.
5	Mini Spiral	Cand.	<b>S7264</b>	25W	5T2C/27	120	2700	82	10000	280	3 7/16	1 3/8	Box	48/12
			<b>S7265</b>	25W	5T2C/41	120	4100	82	10000	280	3 7/16	1 3/8	Box	48/12
			<b>S7266</b>	25W	5T2C/50	120	5000	82	10000	280	3 7/16	1 3/8	Box	48/12
			Med.	<b>S7261</b>	25W	5T2/27	120	2700	82	10000	280	3 7/16	1 3/8	Box
	<b>S5501</b>	25W		5T2/27	120	2700	82	10000	280	3 7/16	1 3/8	Clamshell	24/6	
	<b>S7262</b>	25W		5T2/41	120	4100	82	10000	280	3 7/16	1 3/8	Box	48/12	
	<b>S7263</b>	25W		5T2/50	120	5000	82	10000	280	3 7/16	1 3/8	Box	48/12	
	<b>S5503</b>	25W	5T2/50	120	5000	82	10000	280	3 7/16	1 3/8	Clamshell	24/6		
9	Mini Spiral	Cand.	<b>S7361</b>	40W	9T2C/27	120	2700	82	12000	550	4	1 9/16	Box	48/12
			<b>S7362</b>	40W	9T2C/41	120	4100	82	12000	550	4	1 9/16	Box	48/12
			<b>S7363</b>	40W	9T2C/50	120	5000	82	10000	570	4	1 9/16	Box	48/12
			Med.	<b>S7211</b>	40W	9T2/27	120	2700	82	12000	550	4	1 9/16	Box
	<b>S5504</b>	40W		9T2/27	120	2700	82	12000	550	4	1 9/16	Clamshell	24/6	
	<b>S7212</b>	40W		9T2/41	120	4100	82	12000	550	4	1 9/16	Box	48/12	
	<b>S7213</b>	40W		9T2/50	120	5000	82	10000	570	4	1 9/16	Box	48/12	
	<b>S5506</b>	40W	9T2/50	120	5000	82	10000	570	4	1 9/16	Clamshell	24/6		
11	Mini Spiral	Med.	<b>S7214</b>	40W	11T2/27	120	2700	82	10000	730	4	1 13/16	Box	48/12
			<b>S5507</b>	40W	11T2/27	120	2700	82	10000	730	4	1 13/16	Clamshell	24/6
			<b>S7215</b>	40W	11T2/41	120	4100	82	10000	730	4	1 13/16	Box	48/12
			<b>S7216</b>	40W	11T2/50	120	5000	82	10000	730	4	1 13/16	Box	48/12
			<b>S5509</b>	40W	11T2/50	120	5000	82	10000	730	4	1 13/16	Clamshell	24/6
13	Mini Spiral	Cand.	<b>S7364</b>	60W	13T2C/27	120	2700	82	12000	900	4 1/8	1 13/16	Box	48/12
			<b>S7365</b>	60W	13T2C/41	120	4100	82	12000	880	4 1/8	1 13/16	Box	48/12
			<b>S7366</b>	60W	13T2C/50	120	5000	82	12000	880	4 1/8	1 13/16	Box	48/12
			Med.	<b>S7411</b>	60W	13T2/27/230V	230	2700	82	12000	900	4 1/4	1 13/16	Box
	<b>S7412</b>	60W		13T2/50/230V	230	5000	82	12000	880	4 1/4	1 13/16	Box	48/12	
	<b>S7217*</b>	60W		13T2/27	120	2700	82	12000	900	4 1/8	1 13/16	Box	48/12	
	<b>S7268</b>	60W		13T2/27/12V	12	2700	82	10000	710	4 1/8	1 13/16	Box	48/12	
	<b>S5516*</b>	60W		13T2/27	120	2700	82	12000	900	4 1/8	1 13/16	Clamshell	24/6	
	<b>S7325†</b>	60W		13T2/E26/27/LED	120	2700	82	10000	800	4 7/16	2 1/8	Box	48/12	
	<b>S7218*</b>	60W		13T2/41	120	4100	82	12000	880	4 1/8	1 13/16	Box	48/12	
	<b>S7219*</b>	60W		13T2/50	120	5000	82	12000	880	4 1/8	1 13/16	Box	48/12	
	<b>S5518*</b>	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 Product #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/Inner Ctn.
15	Mini Spiral	Med.	S5519	75W	15T2/27	120	2700	82	12000	1100	4 3/8	2 1/8	Clamshell	24/6
			S7221	75W	15T2/27	120	2700	82	12000	1100	4 3/8	2 1/8	Box	48/12
			S7222	75W	15T2/41	120	4100	82	10000	1100	4 3/8	2 1/8	Box	48/12
			S5521	75W	15T2/50	120	5000	82	10000	1100	4 3/8	2 1/8	Clamshell	24/6
			S7223	75W	15T2/50	120	5000	82	10000	1100	4 3/8	2 1/8	Box	48/12
18	Mini Spiral	Med.	S7413	75W	18T2/27/230V	230	2700	82	12000	1200	4 5/8	2 1/8	Box	48/12
			S7417	75W	18T2/50/230V	230	5000	82	12000	1200	4 5/8	2 1/8	Box	48/12
			S5523*	75W	18T2/27	120	2700	82	12000	1140	4 1/2	2 1/8	Clamshell	24/6
			S7326 †	75W	18T2/E26/27/LED	120	2700	82	10000	1100	4 11/16	2 1/8	Box	48/12
			S7224*	75W	18T2/27	120	2700	82	12000	1140	4 1/2	2 1/8	Box	48/12
			S7225	75W	18T2/41	120	4100	82	10000	1200	4 1/2	2 1/8	Box	48/12
			S5525	75W	18T2/50	120	5000	82	10000	1200	4 1/2	2 1/8	Clamshell	24/6
			S7226	75W	18T2/50	120	5000	82	10000	1200	4 1/2	2 1/8	Box	48/12
20	Mini Spiral	Med.	S5401*	75W	20T2/27	120	2700	82	12000	1330	4 7/16	2 1/8	Clamshell	24/6
			S7234*	75W	20T2/27	120	2700	82	12000	1330	4 7/16	2 1/8	Box	48/12
			S7235	75W	20T2/41	120	4100	82	10000	1300	4 7/16	2 1/8	Box	48/12
			S5403	75W	20T2/50	120	5000	82	10000	1300	4 7/16	2 1/8	Clamshell	24/6
			S7236	75W	20T2/50	120	5000	82	10000	1300	4 7/16	2 1/8	Box	48/12
23	Mini Spiral	Med.	S5526*	100W	23T2/27	120	2700	82	12000	1600	4 7/8	2 1/8	Clamshell	24/6
			S7227*	100W	23T2/27	120	2700	82	12000	1600	4 7/8	2 1/8	Box	48/12
			S7228*	100W	23T2/41	120	4100	82	12000	1600	4 7/8	2 1/8	Box	48/12
			S5528*	100W	23T2/50	120	5000	82	12000	1600	4 7/8	2 1/8	Clamshell	24/6
			S7229*	100W	23T2/50	120	5000	82	12000	1600	4 7/8	2 1/8	Box	48/12
26	Mini Spiral	Med.	S7418	100W	26T2/27/230V	230	2700	82	12000	1750	5 3/16	2 1/8	Box	48/12
			S7414	100W	26T2/50/230V	230	5000	82	12000	1750	5 3/16	2 1/8	Box	48/12
			S5529*	100W	26T2/27	120	2700	82	12000	1750	5 1/16	2 1/8	Clamshell	24/6
			S7231	100W	26T2/27	120	2700	82	12000	1750	5 1/16	2 1/8	Box	48/12
			S7232	100W	26T2/41	120	4100	82	10000	1750	5 1/16	2 1/8	Box	48/12
			S5532	100W	26T2/50	120	5000	82	10000	1750	5 1/16	2 1/8	Clamshell	24/6
			S7233	100W	26T2/50	120	5000	82	10000	1750	5 1/16	2 1/8	Box	48/12

† To be discontinued when inventory is depleted.

# COMPACT FLUORESCENT



Mini Spiral  
Med.

## T2 Ultra Mini Spiral – 4 Bulb Value Pack

Suitable for enclosed fixtures

Watts	Bulb Type	Base	Satco Product #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/ Inner Ctn.
13	Mini Spiral	Med.	<b>S6235*</b>	60W	13T2/27	120	2700	82	12000	900	4 1/8	1 13/16	Box	12-4pks
			<b>S5547*</b>	60W	13T2/27	120	2700	82	12000	900	4 1/8	1 13/16	Clamshell	24-4pks
			<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 Product #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/ Inner Ctn.
18	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
23	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	24/6
			<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 Product #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/ Inner Ctn.
13	Mini Spiral	Med.	<b>S6277*</b>	60W	13T2/27	120	2700	82	12000	900	4 1/8	1 13/16	Box	18-8pks
18	Mini Spiral	Med.	<b>S6278*</b>	75W	18T2/27	120	2700	82	12000	1140	4 1/2	2 1/8	Box	15-8pks
23	Mini Spiral	Med.	<b>S6279*</b>	100W	23T2/27	120	2700	82	12000	1600	4 7/8	2 1/8	Box	15-8pks





Half-full Spiral  
Med.



Mini Spiral  
Med.



Hi-Pro Spiral  
Med.



Hi-Pro Spiral  
Mog.

## T2 Half-full Spiral – 12 Bulb Contractor Pack

Suitable for enclosed fixtures

Watts	Bulb Type	Base	Satco Product #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Ctn.
<b>13</b>	Half-full Spiral	Med.	<b>S7436*</b>	60W	13T2/27	120	2700	80	10000	800	4 <sup>3</sup> / <sub>16</sub>	1 <sup>13</sup> / <sub>16</sub>	Box	4-12pks
<b>20</b>	Half-full Spiral	Med.	<b>S7437*</b>	75W	20T2/27	120	2700	80	10000	1200	4 <sup>7</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>4</sub>	Box	4-12pks
<b>23</b>	Half-full Spiral	Med.	<b>S7438*</b>	100W	23T2/27	120	2700	80	10000	1600	4 <sup>5</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>4</sub>	Box	4-12pks

## T2 Ultra Mini Specialty Spiral (Colors)

Suitable for enclosed fixtures

Watts	Bulb Type	Base	Satco Product #	Incand. Equiv.	Lamp Code	Volts	CRI	Avg. Rated Hours	Color	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/ Inner Ctn.
<b>13</b>	Mini Spiral	Med.	<b>S5511</b>	60W	13T2/Bug	120	82	10000	Bug Yellow	4 <sup>1</sup> / <sub>8</sub>	1 <sup>13</sup> / <sub>16</sub>	Clamshell	24/6
			<b>S7267</b>	60W	13T2/Bug	120	82	10000	Bug Yellow	4 <sup>1</sup> / <sub>8</sub>	1 <sup>13</sup> / <sub>16</sub>	Box	48/12
			<b>S5512</b>	60W	13T2/Red	120	82	10000	Red	4 <sup>1</sup> / <sub>8</sub>	1 <sup>13</sup> / <sub>16</sub>	Clamshell	24/6
			<b>S7271</b>	60W	13T2/Red	120	82	10000	Red	4 <sup>1</sup> / <sub>8</sub>	1 <sup>13</sup> / <sub>16</sub>	Box	48/12
			<b>S5513</b>	60W	13T2/Green	120	82	10000	Green	4 <sup>1</sup> / <sub>8</sub>	1 <sup>13</sup> / <sub>16</sub>	Clamshell	24/6
			<b>S7272</b>	60W	13T2/Green	120	82	10000	Green	4 <sup>1</sup> / <sub>8</sub>	1 <sup>13</sup> / <sub>16</sub>	Box	48/12
			<b>S5514</b>	60W	13T2/Blue	120	82	10000	Blue	4 <sup>1</sup> / <sub>8</sub>	1 <sup>13</sup> / <sub>16</sub>	Clamshell	24/6
			<b>S7273</b>	60W	13T2/Blue	120	82	10000	Blue	4 <sup>1</sup> / <sub>8</sub>	1 <sup>13</sup> / <sub>16</sub>	Box	48/12
			<b>S5515</b>	60W	13T2/BLB	120	82	10000	Blacklight	4 <sup>1</sup> / <sub>8</sub>	1 <sup>13</sup> / <sub>16</sub>	Clamshell	24/6
			<b>S7277</b>	60W	13T2/BLB	120	82	10000	Blacklight	4 <sup>1</sup> / <sub>8</sub>	1 <sup>13</sup> / <sub>16</sub>	Box	48/12

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

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

# COMPACT FLUORESCENT



Hi-Pro Spiral  
Med.



Hi-Pro Spiral  
Mog.

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

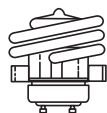
Watts	Bulb Type	Base	Satco Product #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/Inner Ctn.	
<b>40</b>	Hi-Pro Spiral	Med.	<b>S7334</b>	150W	40T4/27	120	2700	82	10000	2600	7 5/16	2 5/8	Box	48/12	
			<b>S7335</b>	150W	40T4/41	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	
			<b>S7429</b>	150W	40T4/50	277	5000	82	10000	2600	7 5/16	2 5/8	Box	48/12	
			Mog.	<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>55</b>	Hi-Pro Spiral	Med.	<b>S7337</b>	300W	55T5/27	120	2700	82	10000	3700	9 5/8	3 1/8	Box	48/12	
			<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>65</b>	Hi-Pro Spiral	Med.	<b>S7384</b>	300W	65T5/27	120	2700	82	10000	4300	9 7/16	3 9/16	Box	48/12	
			<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	
			Mog.	<b>S7387</b>	300W	65T5/27	120	2700	82	10000	4300	9 7/8	3 9/16	Box	48/12
				<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			
<b>85</b>	Hi-Pro Spiral	Med.	<b>S7397</b>	350W	85T5/27	120	2700	82	10000	5700	9 15/16	4	Box	12/6	
			<b>S7398</b>	350W	85T5/41	120	4100	82	10000	5700	9 15/16	4	Box	12/6	
			<b>S7399</b>	350W	85T5/50	120	5000	82	10000	5700	9 15/16	4	Box	12/6	
		Mog.	<b>S7391</b>	350W	85T5/27	120	2700	82	10000	5700	10 1/2	4	Box	12/6	
			<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>105</b>	Hi-Pro Spiral	Med.	<b>S7375</b>	400W	105T5/27	120	2700	82	10000	7000	10 3/4	4	Box	12/6	
			<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	
			Mog.	<b>S7394</b>	400W	105T5/27	120	2700	82	10000	7000	11 1/4	4	Box	12/6
		<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

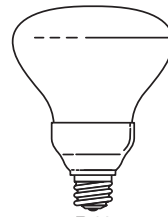
Watts	Bulb Type	Base	Satco Product #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/ Inner Ctn.
12/20/26	Spiral Med.		<b>S5592</b>	30/70/100W	12/20/26T4/27	120	2700	82	10000	660/1200/1600	6	2 3/8	Clamshell	24/6
			<b>S7341</b>	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>S5594</b>	30/70/100W	12/20/26T4/50	120	5000	82	10000	660/1200/1600	6	2 3/8	Clamshell	24/6
			<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

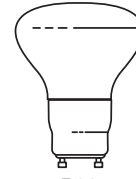
Watts	Bulb Type	Base	Satco Product #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/ Inner Ctn.
<b>9</b>	Mini Spiral	GU24	<b>S8201</b>	40W	9GU24/27	120	2700	82	10000	500	3 7/16	1 9/16	Box	48/12
<b>11</b>	Mini Spiral	GU24	<b>S8202</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*Δ</b>	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>S8227Δ</b>	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*Δ</b>	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>S8228Δ</b>	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.

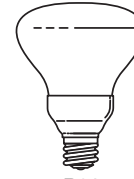
# COMPACT FLUORESCENT



R40  
Med.



R30  
GU24 Base



R30  
Med.



R20  
Med.

## R20 Reflector

Watts	Bulb Type	Base	Satco Product #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/Inner Ctn.
<b>5</b>	R20	Med.	<b>S5551†</b>	30W	5R20/27	120	2700	82	10000	260	3 7/8	2 1/2	Clamshell	24/6
			<b>S7257</b>	30W	5R20/27	120	2700	82	10000	260	3 7/8	2 1/2	Box	24/6
			<b>S7258</b>	30W	5R20/41	120	4100	82	10000	260	3 7/8	2 1/2	Box	24/6
			<b>S5553†</b>	30W	5R20/50	120	5000	82	10000	260	3 7/8	2 1/2	Clamshell	24/6
			<b>S7259</b>	30W	5R20/50	120	5000	82	10000	260	3 7/8	2 1/2	Box	24/6
<b>11</b>	R20	Med.	<b>S5554†</b>	40W	11R20/27	120	2700	82	10000	350	4 7/16	2 1/2	Clamshell	24/6
			<b>S7254</b>	40W	11R20/27	120	2700	82	10000	350	4 7/16	2 1/2	Box	24/6
			<b>S7255</b>	40W	11R20/41	120	4100	82	10000	330	4 7/16	2 1/2	Box	24/6
			<b>S5556†</b>	40W	11R20/50	120	5000	82	10000	330	4 7/16	2 1/2	Clamshell	24/6
			<b>S7256</b>	40W	11R20/50	120	5000	82	10000	330	4 7/16	2 1/2	Box	24/6
<b>13</b>	R20	Med.	<b>S7401</b>	45W	13R20/27	120	2700	82	10000	430	4 5/8	2 1/2	Box	24/6
			<b>S7402</b>	45W	13R20/41	120	4100	82	10000	430	4 5/8	2 1/2	Box	24/6
			<b>S7403</b>	45W	13R20/50	120	5000	82	10000	430	4 5/8	2 1/2	Box	24/6

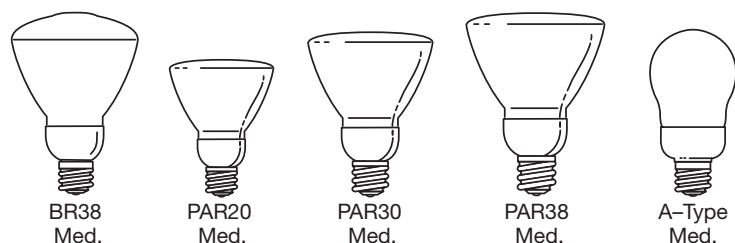
† To be discontinued when inventory is depleted.

## R30 Reflector

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

## R40 Reflector

Watts	Bulb Type	Base	Satco Product #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/Inner Ctn.
<b>23</b>	R40	Med.	<b>S7241*</b>	85W	23R40/27	120	2700	82	10000	1090	6 1/2	5	Box	24/6
			<b>S7242</b>	85W	23R40/41	120	4100	82	10000	1090	6 1/2	5	Box	24/6
			<b>S7243</b>	85W	23R40/50	120	5000	82	10000	1090	6 1/2	5	Box	24/6



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

Watts	Bulb Type	Base	Satco Product #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/Inner Ctn.
23	BR38	Med.	<b>S7274</b>	85W	23BR38/27	120	2700	82	10000	1070	6 1/2	4 3/4	Box	24/6
			<b>S7275</b>	85W	23BR38/41	120	4100	82	10000	1070	6 1/2	4 3/4	Box	24/6
			<b>S7276</b>	85W	23BR38/50	120	5000	82	10000	1070	6 1/2	4 3/4	Box	24/6

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

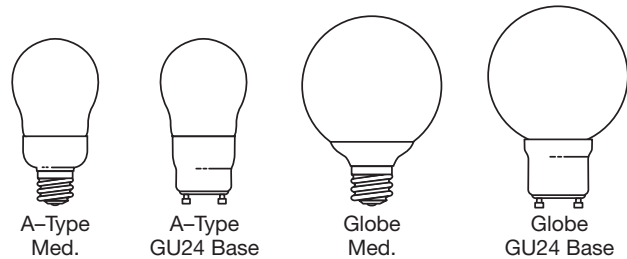
Watts	Bulb Type	Base	Satco Product #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/Inner Ctn.
11	PAR20	Med.	<b>S7421</b>	45W	11PAR20/27/230V	230	2700	82	10000	380	4	2 1/2	Box	12/6
			<b>S7207</b>	50W	11PAR20/27	120	3500	82	10000	380	3 7/8	2 1/2	Box	12/6
			<b>S7208</b>	50W	11PAR20/41	120	4100	82	10000	380	3 7/8	2 1/2	Box	12/6
			<b>Shatter Proof S7238</b>	50W	11PAR20/41	120	4100	82	10000	380	3 7/8	2 1/2	Box	12/6
			<b>S7209</b>	50W	11PAR20/50	120	5000	82	10000	380	3 7/8	2 1/2	Box	12/6
15	PAR30	Med.	<b>S7204*</b>	50W	15PAR30/27	120	2700	82	10000	700	4 5/8	3 3/4	Box	12/6
			<b>S7294</b>	50W	15PAR30/35	120	3500	82	10000	700	4 5/8	3 3/4	Box	12/6
			<b>S7205</b>	50W	15PAR30/41	120	4100	82	10000	720	4 5/8	3 3/4	Box	12/6
			<b>Shatter Proof S7237</b>	50W	15PAR30/41	120	4100	82	10000	720	4 5/8	3 3/4	Box	12/6
			<b>S7206</b>	50W	15PAR30/50	120	5000	82	10000	700	4 5/8	3 3/4	Box	12/6
23	PAR38	Med.	<b>S7432</b>	75W	23PAR38/27/230V	230	2700	82	10000	1100	5 3/16	4 3/4	Box	12/6
			<b>S7422</b>	75W	23PAR38/50/230V	230	5000	82	10000	1100	5 3/16	4 3/4	Box	12/6
			<b>S7201</b>	75W	23PAR38/27	120	2700	82	10000	1100	5 1/16	4 3/4	Box	12/6
			<b>S7279</b>	75W	23PAR38/27/2PK	120	2700	82	10000	1100	5 1/16	4 3/4	Box	12/2
			<b>S7202</b>	75W	23PAR38/41	120	4100	82	10000	1100	5 1/16	4 3/4	Box	12/6
			<b>S7203</b>	75W	23PAR38/50	120	5000	82	10000	1100	5 1/16	4 3/4	Box	12/6

### A-Type Lamps

Watts	Bulb Type	Base	Satco Product #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/Inner Ctn.
7	A-Type	Med.	<b>S5564†</b>	25W	7A19/27	120	2700	82	12000	410	4 1/4	2 1/8	1/Clamshell	24/6
			<b>S7281</b>	25W	7A19/27	120	2700	82	12000	410	4 1/4	2 1/8	Box	48/12
			<b>S7282</b>	25W	7A19/41	120	4100	82	10000	400	4 1/4	2 1/8	Box	48/12
			<b>S7283</b>	25W	7A19/50	120	5000	82	10000	400	4 1/4	2 1/8	Box	48/12

† To be discontinued when inventory is depleted.

# COMPACT FLUORESCENT



## A-Type Lamps (continued)

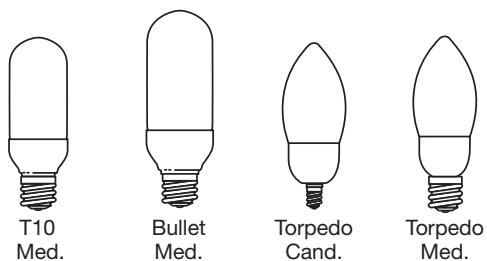
Watts	Bulb Type	Base	Satco Product #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/Inner Ctn.
9	A-Type	Med.	<b>S5568</b>	40W	9A19/27	120	2700	82	6000	450	4 <sup>3</sup> / <sub>16</sub>	2 <sup>3</sup> / <sub>16</sub>	Clamshell	24/6
			<b>S7284</b>	40W	9A19/27	120	2700	82	6000	450	4 <sup>3</sup> / <sub>16</sub>	2 <sup>3</sup> / <sub>16</sub>	Box	48/12
			<b>S7285</b>	40W	9A19/41	120	4100	82	10000	450	4 <sup>3</sup> / <sub>16</sub>	2 <sup>3</sup> / <sub>16</sub>	Box	48/12
			<b>S5571†</b>	40W	9A19/50	120	5000	82	10000	450	4 <sup>3</sup> / <sub>16</sub>	2 <sup>3</sup> / <sub>16</sub>	Clamshell	24/6
			<b>S7286</b>	40W	9A19/50	120	5000	82	10000	450	4 <sup>3</sup> / <sub>16</sub>	2 <sup>3</sup> / <sub>16</sub>	Box	48/12
11	A-Type	Med.	<b>S5572</b>	40W	11A19/27	120	2700	82	10000	540	4 <sup>3</sup> / <sub>16</sub>	2 <sup>7</sup> / <sub>16</sub>	Clamshell	24/6
			<b>S7287</b>	40W	11A19/27	120	2700	82	10000	540	4 <sup>3</sup> / <sub>16</sub>	2 <sup>3</sup> / <sub>16</sub>	Box	48/12
			<b>S7288</b>	40W	11A19/41	120	4100	82	10000	540	4 <sup>3</sup> / <sub>16</sub>	2 <sup>3</sup> / <sub>16</sub>	Box	48/12
			<b>S7289</b>	40W	11A19/50	120	5000	82	10000	540	4 <sup>3</sup> / <sub>16</sub>	2 <sup>3</sup> / <sub>16</sub>	Box	48/12
15	A-Type	Med.	<b>S5575*</b>	60W	15A19/27	120	2700	82	10000	800	4 <sup>5</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>4</sub>	Clamshell	24/6
			<b>S7291*</b>	60W	15A19/27	120	2700	82	10000	800	4 <sup>5</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>4</sub>	Box	48/12
			<b>S7292</b>	60W	15A19/41	120	4100	82	10000	800	4 <sup>5</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>4</sub>	Box	48/12
			<b>S7293</b>	60W	15A19/50	120	5000	82	10000	800	4 <sup>5</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>4</sub>	Box	48/12
		GU24 <b>S8225</b>	60W	15A19/27/GU24	120	2700	82	10000	800	4 <sup>3</sup> / <sub>4</sub>	2 <sup>5</sup> / <sub>8</sub>	Box	48/12	

† To be discontinued when inventory is depleted.

## Globe Lamps

Watts	Bulb Type	Base	Satco Product #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/Inner Ctn.
9	Globe	Med.	<b>S7301</b>	40W	9G25/27	120	2700	82	10000	540	4 <sup>5</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>8</sub>	Box	48/12
			<b>S7302</b>	40W	9G25/41	120	4100	82	10000	500	4 <sup>5</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>8</sub>	Box	48/12
			<b>S7303</b>	40W	9G25/50	120	5000	82	10000	500	4 <sup>5</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>8</sub>	Box	48/12
15	Globe	Med.	<b>S7304*</b>	60W	15G25/27	120	2700	82	10000	820	4 <sup>3</sup> / <sub>4</sub>	3 <sup>7</sup> / <sub>16</sub>	Box	48/12
			<b>S7305</b>	60W	15G25/41	120	4100	82	10000	820	4 <sup>3</sup> / <sub>4</sub>	3 <sup>7</sup> / <sub>16</sub>	Box	48/12
			<b>S7306</b>	60W	15G25/50	120	5000	82	10000	820	4 <sup>3</sup> / <sub>4</sub>	3 <sup>7</sup> / <sub>16</sub>	Box	48/12
		GU24 <b>S8221Δ</b>	60W	15G25/27/GU24	120	2700	82	10000	740	4 <sup>3</sup> / <sub>4</sub>	3 <sup>5</sup> / <sub>8</sub>	Box	48/12	

Δ Certified Subcomponent Database (CSD) Listed.



## T10 & Bullet Lamps

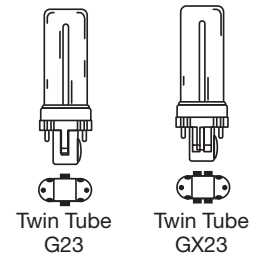
Watts	Bulb Type	Base	Satco Product #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/Inner Ctn.
<b>7</b>	T10	Med.	<b>S7381</b>	40W	7T10/27	120	2700	85	10000	340	4 <sup>13</sup> / <sub>16</sub>	1 <sup>5</sup> / <sub>16</sub>	Box	48/12
			<b>S7382</b>	40W	7T10/41	120	4100	85	10000	340	4 <sup>13</sup> / <sub>16</sub>	1 <sup>5</sup> / <sub>16</sub>	Box	48/12
			<b>S7383</b>	40W	7T10/50	120	5000	85	10000	340	4 <sup>13</sup> / <sub>16</sub>	1 <sup>5</sup> / <sub>16</sub>	Box	48/12
<b>15</b>	Bullet	Med.	<b>S7307</b>	60W	EFT15/27	120	2700	82	10000	800	5 1/2	1 <sup>15</sup> / <sub>16</sub>	Box	48/12
			<b>S7308</b>	60W	EFT15/41	120	4100	82	10000	800	5 1/2	1 <sup>15</sup> / <sub>16</sub>	Box	48/12
			<b>S7309</b>	60W	EFT15/50	120	5000	82	10000	800	5 1/2	1 <sup>15</sup> / <sub>16</sub>	Box	48/12

## Torpedo Lamps

Watts	Bulb Type	Base	Satco Product #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Lumens	M.O.L. Inches	M.O.D. Inches	Pkg. Type	Master/Inner Ctn.
<b>5</b>	Torpedo	Cand.	<b>S5579</b> †	25W	5CTCFL/27	120	2700	82	10000	220	4 <sup>5</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>	Clamshell	24/6
			<b>S7311</b>	25W	5CTCFL/27	120	2700	82	10000	220	4 <sup>5</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>	Box	48/12
			<b>S7312</b>	25W	5CTCFL/41	120	4100	82	10000	220	4 <sup>5</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>	Box	48/12
			<b>S5581</b> †	25W	5CTCFL/50	120	5000	82	10000	220	4 <sup>5</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>	Clamshell	24/6
			<b>S7313</b>	25W	5CTCFL/50	120	5000	82	10000	220	4 <sup>5</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>	Box	48/12
	Med.	<b>S5582</b> †	25W	5ETCFL/27	120	2700	82	10000	220	4 <sup>7</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>	Clamshell	24/6	
		<b>S7314</b>	25W	5ETCFL/27	120	2700	82	10000	220	4 <sup>7</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>	Box	48/12	
		<b>S7315</b>	25W	5ETCFL/41	120	4100	82	10000	220	4 <sup>7</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>	Box	48/12	
		<b>S5584</b> †	25W	5ETCFL/50	120	5000	82	10000	220	4 <sup>7</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>	Clamshell	24/6	
		<b>S7316</b>	25W	5ETCFL/50	120	5000	82	10000	220	4 <sup>7</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>	Box	48/12	
<b>7</b>	Torpedo	Cand.	<b>S5595</b>	40W	7CTCFL/27	120	2700	82	10000	340	4 <sup>11</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>	Clamshell	24/6
			<b>S7327</b>	40W	7CTCFL/27	120	2700	82	10000	340	4 <sup>11</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>	Box	48/12
			<b>S7318</b>	40W	7CTCFL/41	120	4100	82	10000	340	4 <sup>11</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>	Box	48/12
			<b>S5587</b> †	40W	7CTCFL/50	120	5000	82	10000	340	4 <sup>11</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>	Clamshell	24/6
			<b>S7319</b>	40W	7CTCFL/50	120	5000	82	10000	340	4 <sup>11</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>	Box	48/12
	Med.	<b>S5596</b>	40W	7ETCFL/27	120	2700	82	10000	340	4 <sup>13</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>	Clamshell	24/6	
		<b>S7328</b>	40W	7ETCFL/27	120	2700	82	10000	340	4 <sup>13</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>	Box	48/12	
		<b>S7322</b>	40W	7ETCFL/41	120	4100	82	10000	340	4 <sup>13</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>	Box	48/12	
		<b>S5591</b> †	40W	7ETCFL/50	120	5000	82	10000	340	4 <sup>13</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>	Clamshell	24/6	
		<b>S7323</b>	40W	7ETCFL/50	120	5000	82	10000	340	4 <sup>13</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>	Box	48/12	

† To be discontinued when inventory is depleted.

# COMPACT FLUORESCENT

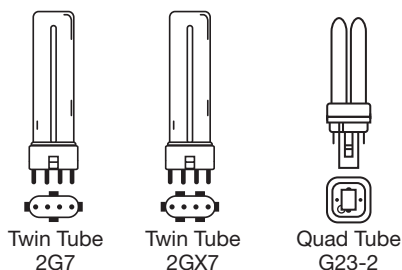


## Plug In Lamps

### Twin Tube 2-Pin for Magnetic Ballasts

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Lumens	M.O.L. Inches	Pkg. Type	Ctn.
5	T4	G23	<b>S8300</b>	CFS5W/827	120	2700	82	12000	230	4 1/2	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 1/2	Hang Box	50
			<b>S8301</b>	CFS5W/841	120	4100	82	12000	230	4 1/2	Hang Box	50
			<b>S6701 ▲</b>	CF5DS/841	120	4100	82	10000	230	4 3/16	Box	50
7	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
9	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 1/2	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 1/2	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 1/2	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 1/2	Box	50
13	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			





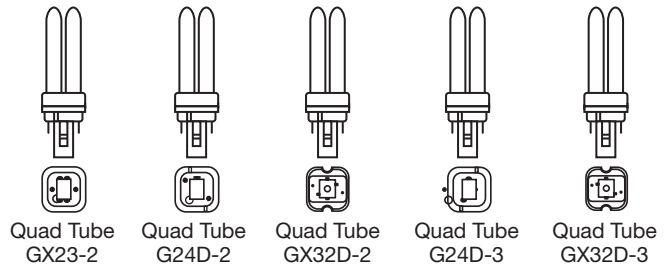
### Twin Tube 4-Pin for Electronic & Dimming Ballasts

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Lumens	M.O.L. Inches	Pkg. Type	Ctn.
<b>5</b>	T4	2G7	<b>S8360</b>	CF5DS/E/827	120	2700	82	15000	230	4 1/2	Box	50
			<b>S6411 ▲</b>	CF5DS/E/827	120	2700	82	10000	230	3 3/8	Box	50
			<b>S8361</b>	CF5DS/E/841	120	4100	82	15000	230	4 1/2	Box	50
			<b>S6412 ▲</b>	CF5DS/E/841	120	4100	82	10000	230	3 3/8	Box	50
<b>7</b>	T4	2G7	<b>S8362</b>	CF7DS/E/827	120	2700	82	15000	400	5 11/16	Box	50
			<b>S6413 ▲</b>	CF7DS/E/827	120	2700	82	10000	400	4 1/2	Box	50
			<b>S8363</b>	CF7DS/E/841	120	4100	82	15000	400	5 11/16	Box	50
			<b>S6414 ▲</b>	CF7DS/E/841	120	4100	82	10000	400	4 1/2	Box	50
<b>9</b>	T4	2G7	<b>S8364</b>	CF9DS/E/827	120	2700	82	15000	580	6 11/16	Box	50
			<b>S6415 ▲</b>	CF9DS/E/827	120	2700	82	10000	580	5 11/16	Box	50
			<b>S8365</b>	CF9DS/E/841	120	4100	82	15000	580	6 11/16	Box	50
			<b>S6416 ▲</b>	CF9DS/E/841	120	4100	82	10000	580	5 11/16	Box	50
<b>13</b>	T4	2GX7	<b>S8366</b>	CF13DS/E/827	120	2700	82	15000	800	7 5/8	Box	50
			<b>S6417 ▲</b>	CF13DS/E/827	120	2700	82	10000	800	6 3/16	Box	50
			<b>S8367</b>	CF13DS/E/830	120	3000	82	15000	800	7 5/8	Box	50
			<b>S6418 ▲</b>	CF13DS/E/830	120	3000	82	10000	800	6 3/16	Box	50
			<b>S8368</b>	CF13DS/E/835	120	3500	82	15000	800	7 5/8	Box	50
			<b>S8369</b>	CF13DS/E/841	120	4100	82	15000	800	7 5/8	Box	50
			<b>S6419 ▲</b>	CF13DS/E/841	120	4100	82	10000	800	6 3/16	Box	50

### Quad Tube 2-Pin for Magnetic Ballasts

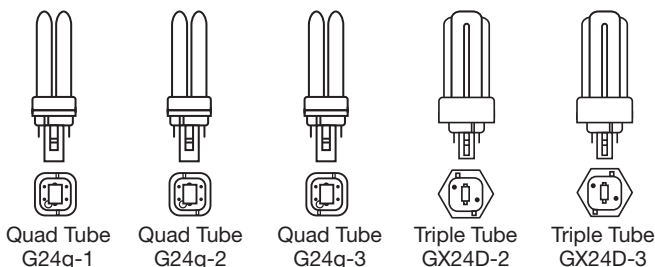
Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Lumens	M.O.L. Inches	Pkg. Type	Ctn.
<b>9</b>	T4	G23-2	<b>S8314</b>	CFD9W/827	120	2700	82	12000	525	4 1/2	Hang Box	50
			<b>S6714 ▲</b>	CF9DD/827	120	2700	82	10000	525	4 5/16	Box	50
			<b>S8315</b>	CFD9W/830	120	3000	82	12000	525	4 1/2	Hang Box	50
			<b>S6715 ▲</b>	CF9DD/830	120	3000	82	10000	525	4 5/16	Box	50
			<b>S8316</b>	CFD9W/835	120	3500	82	12000	525	4 1/2	Hang Box	50
			<b>S6716 ▲</b>	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 Product #	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Lumens	M.O.L. Inches	Pkg. Type	Ctn.
<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



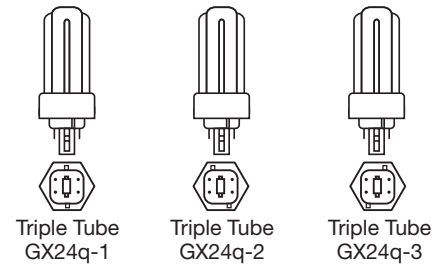
### Quad Tube 4-Pin for Electronic & Dimming Ballasts

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

### Triple Tube 2-Pin for Magnetic Ballasts

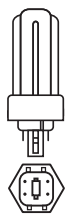
Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Lumens	M.O.L. Inches	Pkg. Type	Ctn.	Notes
<b>18</b>	T4	GX24d-2	<b>S4367 ▲</b>	CF18DT/827	120	2700	82	12000	1200	4 13/16	Box	50	2
<b>26</b>	T4	GX24d-3	<b>S4368 ▲</b>	CF26DT/827	120	2700	82	12000	1800	5 3/8	Box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

# COMPACT FLUORESCENT

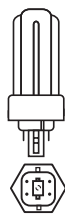


## Triple Tube 4-Pin for Electronic & Dimming Ballasts

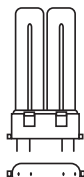
Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Lumens	M.O.L. Inches	Pkg. Type	Ctn.	Notes
<b>13</b>	T4	GX24q-1	<b>S8399</b>	CFT13W/4P/827	120	2700	82	15000	900	4 1/2	Hang Box	50	2
			<b>S4369 ▲</b>	CF13DT/E/827	120	2700	82	12000	900	4 3/16	Box	50	2
			<b>S8396</b>	CFT13W/4P/830	120	3000	82	15000	900	4 1/2	Hang Box	50	2
			<b>S4370 ▲</b>	CF13DT/E/830	120	3000	82	12000	900	4 3/16	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>	CFT8W/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>	CFT8W/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>	CFT8W/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>	CFT8W/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



Triple Tube  
GX24q-5



Flat Tube  
2G10

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

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Lumens	M.O.L. Inches	Pkg. Type	Ctn.	Notes
<b>42</b>	T4	GX24q-4	<b>S8353</b>	CF42W/4P/827	120	2700	82	15000	3200	6 3/4	Hang Box	50	2
			<b>S6753</b> ▲	CF42DT/E/IN/827	120	2700	82	12000	3200	6 1/2	Box	50	2
			<b>S8354</b>	CF42W/4P/830	120	3000	82	15000	3200	6 3/4	Hang Box	50	2
			<b>S6754</b> ▲	CF42DT/E/IN/830	120	3000	82	12000	3200	6 1/2	Box	50	2
			<b>S8355</b>	CF42W/4P/835	120	3500	82	15000	3200	6 3/4	Hang Box	50	2
			<b>S6755</b> ▲	CF42DT/E/IN/835	120	3500	82	12000	3200	6 1/2	Box	50	2
			<b>S8356</b>	CF42W/4P/841	120	4100	82	15000	3200	6 3/4	Hang Box	50	2
<b>S6756</b> ▲	CF42DT/E/IN/841	120	4100	82	12000	3200	6 1/2	Box	50	2			
<b>57</b>	T4	GX24q-5	<b>S6421</b> ▲	CF57DT/E/IN/827	120	2700	82	12000	4300	7 3/4	Box	50	2
			<b>S6422</b> ▲	CF57DT/E/IN/830	120	3000	82	12000	4300	7 3/4	Box	50	2
			<b>S6423</b> ▲	CF57DT/E/IN/835	120	3500	82	12000	4300	7 3/4	Box	50	2
			<b>S6424</b> ▲	CF57DT/E/IN/841	120	4100	82	12000	4300	7 3/4	Box	50	2

### Flat Tube 4-Pin for Electronic Ballasts

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Lumens	M.O.L. Inches	Pkg. Type	Ctn.
<b>18</b>	T5	2G10	<b>S6772</b> ▲	CF18DF/830	120	3000	82	10000	1100	4 13/16	Box	10
			<b>S6773</b> ▲	CF18DF/841	120	4100	82	10000	1100	4 13/16	Box	10
<b>24</b>	T5	2G10	<b>S6774</b> ▲	CF24DF/830	120	3000	82	10000	1700	6 11/16	Box	10
			<b>S6775</b> ▲	CF24DF/841	120	4100	82	10000	1700	6 11/16	Box	10
<b>36</b>	T5	2G10	<b>S6776</b> ▲	CF36DF/830	120	3000	82	10000	2800	8 1/2	Box	10
			<b>S6777</b> ▲	CF36DF/841	120	4100	82	10000	2800	8 1/2	Box	10

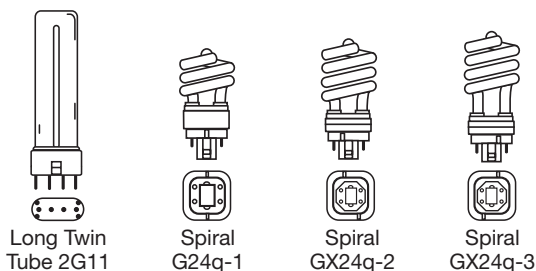
# COMPACT FLUORESCENT



Long Twin  
Tube 2G11

## Long Twin Tube 4-Pin for Electronic Ballasts

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Lumens	M.O.L. Inches	Pkg. Type	Ctn.	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>S2964 ▲</b>	FT18DL/830/RS	120	3000	82	20000	1250	10 1/2	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 1/2	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 1/2	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 1/2	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 1/2	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 1/2	Box	10	
			<b>S6765 ▲</b>	FT36DL/841	120	4100	82	12000	2900	16 5/8	Box	10	1
<b>40</b>	T5	2G11	<b>S8666</b>	FT40HL/830/RS/ENV	120	3000	82	20000	3500	22 1/2	Box	10	
			<b>S6766 ▲</b>	FT40DL/830/RS	120	3000	82	20000	3150	22 1/2	Box	10	
			<b>S8667</b>	FT40HL/835/RS/ENV	120	3500	82	20000	3500	22 1/2	Box	10	
			<b>S6767 ▲</b>	FT40DL/835/RS	120	3500	82	20000	3150	22 1/2	Box	10	
			<b>S8668</b>	FT40HL/841/RS/ENV	120	4100	82	20000	3500	22 1/2	Box	10	
			<b>S6768 ▲</b>	FT40DL/841/RS	120	4100	82	20000	3150	22 1/2	Box	10	
<b>50</b>	T5	2G11	<b>S2967 ▲</b>	PLL50W/30/RS	120	3000	82	14000	4300	22 1/2	Box	25	
			<b>S2968 ▲</b>	PLL50W/35/RS	120	3500	82	14000	4300	22 1/2	Box	25	
			<b>S2969 ▲</b>	PLL50W/41/RS	120	4100	82	14000	4300	22 1/2	Box	25	



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

Watts	Bulb Type	Base	Satco Product #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Lumens	M.O.L. Inches	Pkg. Type	Ctn.
55	T5	2G11	S8669	60W	FT55HL/830/ENV	120	3000	82	12000	4700	21 5/16	Box	10
			S6769 ▲	60W	FT55DL/830	120	3000	82	12000	4800	21 1/8	Box	10
			S8670	60W	FT55HL/835/ENV	120	3500	82	12000	4700	21 5/16	Box	10
			S6770 ▲	60W	FT55DL/835	120	3500	82	12000	4800	21 1/8	Box	10
			S8671	60W	FT55HL/841/ENV	120	4100	82	12000	4700	21 5/16	Box	10
			S6771 ▲	60W	FT55DL/841	120	4100	82	12000	4800	21 1/8	Box	10

## Spiral 4-Pin for Electronic Ballasts

Watts	Bulb Type	Base	Satco Product #	Incand. Equiv.	Lamp Code	Volts	Color Kelvin Temp.	CRI	Avg. Rated Hours	Lumens	M.O.L. Inches	Pkg. Type	Ctn.
13	T3	G24q-1	S4438	60W	PLS13/27K/SPIRAL	120	2700	82	10000	850	3 3/4	Box	24
18	T4	GX24q-2	S4440	75W	PLS18/27K/SPIRAL	120	2700	82	10000	1100	4 1/16	Box	24
26	T4	GX24q-3	S4439	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
- \* = ENERGY STAR® qualified
- † = 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 operated 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 [www.lamprecycle.org](http://www.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 [www.NEMA.org](http://www.NEMA.org).

# HALOGEN LAMPS





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.”

## Popular for good reason.

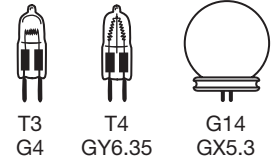
### Halogen lamp features:

- 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.





## Bi Pin Lamps

### Bi Pin Lamps 12 and 24 Volt

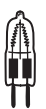
Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Lumens	Avg. Rated Hours	Pkg. Type	Ctn.	Notes
<b>5</b>	T3	G4	<b>S3179</b>	5T3/CL	12	Clear	1 1/4	C-6	50	2000	Box	48	
			<b>S3171</b>	10T3/CL	12	Clear	1 1/4	C-6	120	2000	Box	48	
			<b>S3459</b>	10T3/CL	12	Clear	1 1/4	C-6	120	2000	<b>CD/1</b>	12	
			<b>S1908</b>	10T3/F	12	Frost	1 1/4	C-6	108	2000	Box	48	
<b>20</b>	T3	G4	<b>S3120</b>	20T3/CL	12	Clear	1 1/4	C-6	300	2000	Box	48	
			<b>S3468</b>	20T3/CL	12	Clear	1 1/4	C-6	300	2000	<b>CD/1</b>	12	
			<b>S3420</b>	20T3/CL/2PK	12	Clear	1 1/4	C-6	300	2000	<b>CD/2</b>	12	
			<b>S1909</b>	20T3/F	12	Frost	1 1/4	C-6	270	2000	Box	48	
			<b>S1986</b>	20T3/CL/24V	24	Clear	1 1/4	CC-6	260	2000	Box	48	
			<b>S4197</b>	20T3/CL	12	Clear	1 1/4	C-6	300	2000	Box	48	
		GY6.35											
<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	<b>CD/1</b>	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	<b>CD/1</b>	12	
			<b>S3421</b>	50T4/CL/2PK	12	Clear	1 9/16	C-6	900	2000	<b>CD/2</b>	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	<b>CD/1</b>	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 Product #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Lumens	Avg. Rated Hours	Pkg. Type	Ctn.	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



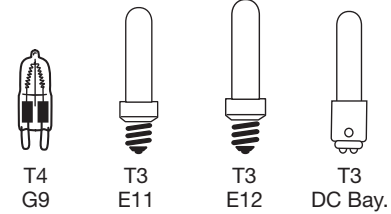
T3.5  
G6.35c

## Bi Pin Lamps 120 Volt

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Lumens	Avg. Rated Hours	Pkg. Type	Ctn.	Notes
<b>20</b>	T4	G8	<b>S4610</b>	20T4/CL/G8	120	Clear	1 <sup>13</sup> / <sub>16</sub>	CC-2V	180	2000	Box	48	
			<b>S3539</b>	20T4/CL/G8	120	Clear	1 <sup>13</sup> / <sub>16</sub>	CC-2V	180	2000	<b>CD/1</b>	240/12	
<b>25</b>	T4	GY6.35	<b>S3197</b>	25T4/CL	120	Clear	1 <sup>15</sup> / <sub>16</sub>	CC-2V	210	2000	Box	48	
		G8	<b>S4611</b>	25T4/CL/G8	120	Clear	1 <sup>13</sup> / <sub>16</sub>	CC-2V	210	2000	Box	48	
<b>35</b>	T4	GY6.35	<b>S3164</b>	35T4/CL	120	Clear	1 <sup>15</sup> / <sub>16</sub>	CC-2V	380	2000	Box	48	
			<b>S3418</b>	35T4/CL	120	Clear	1 <sup>15</sup> / <sub>16</sub>	CC-2V	380	2000	<b>CD/1</b>	12	
	G8	<b>S4620</b>	35T4/CL/G8	120	Clear	1 <sup>13</sup> / <sub>16</sub>	CC-2V	380	2000	Box	48		
		<b>S3540</b>	35T4/CL/G8	120	Clear	1 <sup>13</sup> / <sub>16</sub>	CC-2V	380	2000	<b>CD/1</b>	12		
<b>50</b>	T4	GY6.35	<b>S3167</b>	50T4/CL	120	Clear	1 <sup>15</sup> / <sub>16</sub>	CC-2V	750	2000	Box	48	
			<b>S3427</b>	50T4/CL	120	Clear	1 <sup>15</sup> / <sub>16</sub>	CC-2V	750	2000	<b>CD/1</b>	12	
	G8	<b>S4612</b>	50T4/CL/G8	120	Clear	1 <sup>13</sup> / <sub>16</sub>	CC-2V	750	2000	Box	48		
		<b>S3541</b>	50T4/CL/G8	120	Clear	1 <sup>13</sup> / <sub>16</sub>	CC-2V	750	2000	<b>CD/1</b>	12		
<b>75</b>	T4	GY6.35	<b>S3168</b>	75T4/CL	120	Clear	2 <sup>3</sup> / <sub>8</sub>	CC-2V	750	2000	Box	48	
			<b>S3428</b>	75T4/CL	120	Clear	2 <sup>3</sup> / <sub>8</sub>	CC-2V	1250	2000	<b>CD/1</b>	12	
	G8	<b>S4613</b>	75T4/CL/G8	120	Clear	2 <sup>1</sup> / <sub>4</sub>	CC-8	1250	2000	Box	48		
		<b>S3542</b>	75T4/CL/G8	120	Clear	2 <sup>1</sup> / <sub>4</sub>	CC-8	1250	2000	<b>CD/1</b>	12		
<b>100</b>	T4	GY6.35	<b>S1924</b>	100T4/CL	120	Clear	2 <sup>3</sup> / <sub>8</sub>	CC-2V	1700	2000	Box	48	
			<b>S3419</b>	100T4/CL	120	Clear	2 <sup>3</sup> / <sub>8</sub>	CC-2V	1700	2000	<b>CD/1</b>	12	
	G8	<b>S4622</b>	100T4/CL/G8	120	Clear	2 <sup>1</sup> / <sub>4</sub>	CC-8	1700	2000	Box	48		
		<b>S3543</b>	100T4/CL/G8	120	Clear	2 <sup>1</sup> / <sub>4</sub>	CC-8	1700	2000	<b>CD/1</b>	12		

## Bi Pin Marine Lamps 12 and 24 Volt

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Avg. Rated Hours	Pkg. Type	Ctn.	Notes
<b>55</b>	T3.5	G6.35c	<b>S7183</b>	JCD/12V/55W/DX	12	Clear	1 <sup>3</sup> / <sub>4</sub>	C-6	100	Box	500/10	ACR6001
			<b>S7184</b>	JCD/24V/55W/DX	24	Clear	1 <sup>11</sup> / <sub>16</sub>	C-6	100	Box	500/10	ACR6003



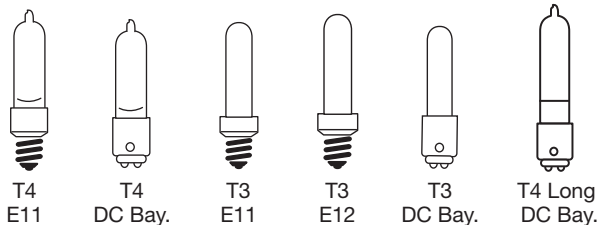
## Double Loop G9 120 Volt

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Lumens	Avg. Rated Hours	Pkg. Type	Ctn.	Notes
20	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	
25	T4	G9	<b>S4615</b>	25T4/G9/CL	120	Clear	1 9/16	CC-2V	260	2000	Box	48	
35	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	<b>CD/1</b>	12	
40	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	500	2000	Box	48	
50	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	<b>CD/1</b>	12	
60	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	Clear	1 5/8	CC-2V	820	2000	Box	48	
75	T4	G9	<b>S4617</b>	75T4/G9/CL	120	Clear	1 5/8	CC-8	1200	2000	Box	48	
			<b>S3546</b>	75T4/G9/CL	120	Clear	1 5/8	CC-8	1200	2000	<b>CD/1</b>	12	
100	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	<b>CD/1</b>	12	

## E11 – DC Bay.

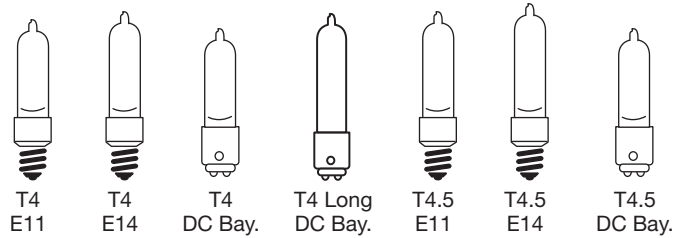
Single Ended - E11 MiniCan - E12 Cand - E14 Euro - BA15d DC Bay.

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Lumens	Avg. Rated Hours	Pkg. Type	Ctn.	Notes
20	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 1/4	CC-8	200	3000	Box	10	1	
		<b>S4495</b> ■	KX20FR/3M/DC	120	Clear	2 1/4	CC-8	200	3000	Box	10	1	



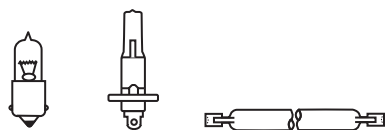
## Single Ended - E11 MiniCan - E12 Cand - E14 Euro - BA15d DC Bay. (continued)

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Lumens	Avg. Rated Hours	Pkg. Type	Ctn.	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 1/4	CC-8	560	3000	Box	10	1	
		<b>S4496</b> ■	KX40FR/3M/DC	120	Frost	2 1/4	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	
			<b>S1914</b>	50Q/F/MC	120	Frost	2 1/16	CC-2V	675	2000	Box	12	
	DC Bay.	<b>S1981</b>	50Q/CL/DC	120	Clear	2 1/16	CC-2V	750	2000	Box	12		
		<b>S1982</b>	50Q/F/DC	120	Frost	2 1/16	CC-2V	675	2000	Box	12		
<b>60</b>	T3	E11	<b>S4488</b> ■	KX60CL/3M/MC	120	Clear	2 5/16	CC-8	960	3000	Box	10	1
			<b>S4491</b> ■	KX60FR/3M/MC	120	Frost	2 5/16	CC-8	950	3000	Box	10	1
	E12	<b>S4482</b> ■	KX60CL/3M/E12	120	Clear	2 7/16	CC-8	960	3000	Box	10	1	
		<b>S4485</b> ■	KX60FR/3M/E12	120	Frost	2 7/16	CC-8	950	3000	Box	10	1	
	DC Bay.	<b>S4494</b> ■	KX60CL/3M/DC	120	Clear	2 1/4	CC-8	960	3000	Box	10	1	
		<b>S4497</b> ■	KX60FR/3M/DC	120	Frost	2 1/4	CC-8	950	3000	Box	10	1	
<b>75</b>	T4	E11	<b>S3157</b>	75Q/CL/MC	120	Clear	2 11/16	CC-8	1250	2000	Box	12	
			<b>S3484</b>	75Q/CL/MC	120	Clear	2 11/16	CC-8	1250	2000	<b>CD/1</b>	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	<b>CD/1</b>	12		
	T4 Long DC Bay.	<b>S1919</b>	75Q/F/DC	120	Frost	2 3/8	CC-8	1125	2000	Box	12		
		<b>S4437</b> †▲	75Q/CL/DC	120	Clear	3 3/8	CC-2V	1600	2000	Box	12		



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

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Lumens	Avg. Rated Hours	Pkg. Type	Ctn.	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	<b>CD/1</b>	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	<b>CD/1</b>	12		
	DC Bay.	<b>S3147</b>	100Q/CL/DC	120	Clear	2 3/8	CC-8	1700	2000	Box	12		
		<b>S3488</b>	100Q/CL/DC	120	Clear	2 3/8	CC-8	1700	2000	<b>CD/1</b>	12		
		T4 Long DC Bay.	<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	3 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	<b>CD/1</b>	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	<b>CD/1</b>	12		
	DC Bay.	<b>S3122</b>	150Q/CL/DC	120	Clear	2 11/16	CC-8	2700	2000	Box	12		
		<b>S3489</b>	150Q/CL/DC	120	Clear	2 11/16	CC-8	2700	2000	<b>CD/1</b>	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	12	
			<b>S3487</b>	250Q/CL/MC	120	Clear	3 1/8	CC-8	4200	2000	<b>CD/1</b>	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	<b>CD/1</b>	12		
	DC Bay.	<b>S3123</b>	250Q/CL/DC	120	Clear	2 13/16	CC-8	4200	2000	Box	12		
		<b>S3490</b>	250Q/CL/DC	120	Clear	2 13/16	CC-8	4200	2000	<b>CD/1</b>	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	12	
			<b>S4362 ▲</b>	500Q/CL/MC/EVR	120	Clear	3 3/4	CC-8	10450	2000	Box	12	3
			<b>S3182</b>	500Q/F	120	Frost	3 7/16	CC-8	7650	2000	Box	12	
	DC Bay.	<b>S4363 ▲</b>	500Q/MC/EYX	120	Frost	3 3/4	CC-8	10100	2000	Box	12	3	
		<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	



T2 3/4  
Mini Bay.

T2 1/2  
P14.5s

T3  
R7s

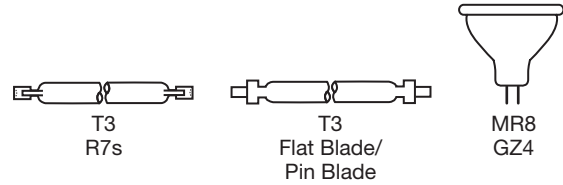
## Specialty Single Ended Lamps

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Lumens	Avg. Rated Hours	Pkg. Type	Ctn.	Notes
5	T2 3/4	BA9s	<b>VJ020</b> ▲	64111	12	Clear	1 1/4	C-6	50	240	Sleeve	10	10
55	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 Product #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Lumens	Avg. Rated Hours	Pkg. Type	Ctn.	Notes
75	T3	R7s	<b>S3199</b>	75T3Q/CL	120	Clear	3 1/8	C-8	1050	1500	Box	12	
			<b>S3183</b>	75T3Q/CL	130	Clear	3 1/8	C-8	1050	1500	Box	12	
100	T3	R7s	<b>S3146</b>	100T3Q/CL	120	Clear	3 1/8	C-8	1650	1500	Box	12	
			<b>S3480</b>	100T3Q/CL	120	Clear	3 1/8	C-8	1650	1500	<b>CD/1</b>	12	
			<b>S3422</b>	100T3Q/CL/2PK	120	Clear	3 1/8	C-8	1650	1500	<b>CD/2</b>	12	
			<b>S3166</b>	100T3Q/CL	120	Clear	4 11/16	C-8	1650	1500	Box	12	
			<b>S3431</b>	100T3Q/CL	120	Clear	4 11/16	C-8	1650	1500	<b>CD/1</b>	12	
150	T3	R7s	<b>S3135</b>	150T3Q/CL/S	120	Clear	3 1/8	C-8	2400	1500	Box	12	
			<b>S3481</b>	150T3Q/CL/S	120	Clear	3 1/8	C-8	2400	1500	<b>CD/1</b>	12	
			<b>S3423</b>	150T3Q/CL/S/2PK	120	Clear	3 1/8	C-8	2400	1500	<b>CD/2</b>	12	
			<b>S3142</b>	150T3Q/CL/L	120	Clear	4 11/16	C-8	2400	1500	Box	12	
			<b>S3494</b>	150T3Q/CL/L	120	Clear	4 11/16	C-8	2400	1500	<b>CD/1</b>	12	
180	T3	R7s	<b>S2531</b>	180T3Q/CL	120	Clear	4 11/16	C-8	3760	2000	Box	96/12	
200	T3	R7s	<b>S3145</b>	200T3Q/CL	120	Clear	3 1/8	C-8	3400	1500	Box	12	
			<b>S3482</b>	200T3Q/CL	120	Clear	3 1/8	C-8	3400	1500	<b>CD/1</b>	12	
			<b>S3136</b>	200T3Q/CL	120	Clear	4 11/16	C-8	3400	1500	Box	12	
			<b>S3495</b>	200T3Q/CL	120	Clear	4 11/16	C-8	3400	1500	<b>CD/1</b>	12	
250	T3	R7s	<b>S3184</b>	250T3Q/CL	120	Clear	3 1/8	C-8	4500	1500	Box	12	
			<b>S3426</b>	250T3Q/CL	120	Clear	3 1/8	C-8	4500	1500	<b>CD/1</b>	12	



## Double Ended J-Style (continued)

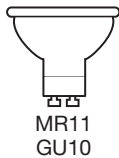
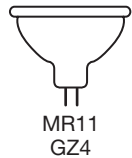
Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Lumens	Avg. Rated Hours	Pkg. Type	Ctn.	Notes
<b>300</b>	T3	R7s	<b>S3104</b>	300T3Q/CL	120	Clear	4 11/16	C-8	5300	1500	Box	12	
			<b>S3496</b>	300T3Q/CL	120	Clear	4 11/16	C-8	5300	1500	<b>CD/1</b>	12	
			<b>S3430</b>	300T3Q/CL/2PK	120	Clear	4 11/16	C-8	5300	1500	<b>CD/2</b>	12	
			<b>S3410</b>	300T3Q/CL/3PK	120	Clear	4 11/16	C-8	5300	1500	<b>CD/3</b>	12	
			<b>S1925</b>	300T3Q/CL	130	Clear	4 11/16	C-8	5300	1500	Box	12	
			<b>S3180</b>	300T3Q/CL	120	Clear	5 13/16	C-8	5300	1500	Box	12	
	Flat Blade	<b>S3429</b>	300T3Q/CL	120	Clear	5 13/16	C-8	5300	1500	<b>CD/1</b>	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	<b>CD/1</b>	12	
			<b>S3433</b>	500T3Q/CL/2PK	120	Clear	4 11/16	C-8	9500	1500	<b>CD/2</b>	12	
			<b>S3411</b>	500T3Q/CL/3PK	120	Clear	4 11/16	C-8	9500	1500	<b>CD/3</b>	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 Product #	Lamp Code	Beam Pattern	ANSI	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Ctn.	Notes
<b>10</b>	MR8	GU4	<b>S4646</b>	10MR8/NSP	NSP 9	-	12	Y	N	-	2000	C-6	1 1/4	Box	12	
			<b>S4645</b>	10MR8/NFL	NFL 23	-	12	Y	N	-	2000	C-6	1 1/4	Box	12	





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

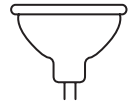
Watts	Bulb Type	Base	Satco Product #	Lamp Code	Beam Pattern	ANSI	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Ctn.	Notes
5	MR11	GZ4	<b>S4628</b>	5MR11/NFL/6V	NFL 30	-	6	Y	N	1000	2000	C-6	1 1/4	Box	12	
			<b>S3194</b>	5MR11/NSP	NSP 9	-	12	N	N	130	2000	C-6	1 1/4	Box	12	
10	MR11	GZ4	<b>S4629</b>	10MR11/NFL/6V	NFL 30	-	6	Y	N	150	2000	C-6	1 1/4	Box	12	
			<b>S3195</b>	10MR11/SP	SP 12	-	12	N	N	380	2000	C-6	1 1/4	Box	12	
			<b>S3444</b>	10MR11/FL/30/12V	FL30	-	12	N	N	150	2000	C-6	1 1/4	<b>CD/1</b>	12	
20	MR11	GZ4	<b>S3150</b>	20MR11/NSP	NSP 9	FTB	12	N	N	1500	2000	C-6	1 1/4	Box	12	
			<b>S3152</b>	20MR11/SP	SP 12	FTC	12	N	N	1000	2000	C-6	1 1/4	Box	12	
			<b>S3464</b>	20MR11/SP	SP 12	FTC	12	N	Y	1000	2000	C-6	1 1/4	<b>CD/1</b>	12	
			<b>S1990</b>	20MR11/SP/C/24V	SP 12	FTC/C/24	24	Y	Y	1750	2000	C-6	1 1/4	Box	12	
			<b>S3154</b>	20MR11/NFL	NFL 24	FTD	12	N	N	500	2000	C-6	1 1/4	Box	12	
			<b>S3465</b>	20MR11/NFL	NFL 24	FTD	12	N	Y	500	2000	C-6	1 1/4	<b>CD/1</b>	12	
			<b>S3424</b>	20MR11/NFL/2PK	NFL 24	FTD	12	N	Y	700	2000	C-6	1 1/4	<b>CD/2</b>	12	
			<b>S1950</b>	20MR11/NFL/C	NFL 24	FTD/C	12	Y	N	450	2000	C-6	1 1/4	Box	12	
<i>SOFT RAY</i> <b>S1988</b>	20MR11/NFL/C/24V	NFL 24	FTD/C/24	24	Y	Y	720	2000	C-6	1 1/4	Box	12				
<b>S4124</b>	20MR11/FL/FR/C	FL 36	-	12	Y	Y	450	2000	C-6	1 1/4	Box	12				
35	MR11	GZ4	<b>S3151</b>	35MR11/NSP	NSP 9	FTE	12	N	N	2500	2000	C-6	1 1/4	Box	12	
			<b>S1991</b>	35MR11/NSP/C/24V	NSP 9	FTE/C/24	24	Y	Y	4500	2000	C-6	1 1/4	Box	12	
			<b>S3153</b>	35MR11/SP	SP 12	FTF	12	N	N	2500	2000	C-6	1 1/4	Box	12	
			<b>S3466</b>	35MR11/SP	SP 12	FTF	12	N	Y	2500	2000	C-6	1 1/4	<b>CD/1</b>	12	
			<b>S3155</b>	35MR11/NFL	NFL 24	FTH	12	N	N	800	2000	C-6	1 1/4	Box	12	
			<b>S3467</b>	35MR11/NFL	NFL 24	FTH	12	N	Y	800	2000	C-6	1 1/4	<b>CD/1</b>	12	
			<b>S3425</b>	35MR11/NFL/2PK	NFL 24	FTH	12	N	Y	1550	2000	C-6	1 1/4	<b>CD/2</b>	12	
			<b>S1951</b>	35MR11/NFL/C	NFL 24	FTH/C	12	Y	N	720	2000	C-6	1 1/4	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 1/4	Box	12				
<b>S4125</b>	35MR11/FL/FR/C	FL 36	-	12	Y	Y	720	2000	C-6	1 1/4	Box	12				

## MR11 GU10 Base Frosted Back with Lens 120 Volt

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Beam Pattern	ANSI	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Ctn.	Notes
20	MR11	GU10	<b>S4195</b>	20MR11/FL	FL 30	FTD	120	N	N	110	1000	C-6	1 1/4	Box	12	
35	MR11	GU10	<b>S4196</b>	35MR11/FL	FL 24	FTH	120	N	N	300	1000	C-6	1 1/4	Box	12	



MR11  
DC Bay.



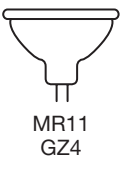
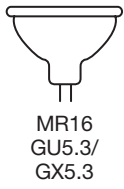
MR16  
GU5.3/  
GX5.3

## MR11 DC Bay. Base 12 Volt

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Beam Pattern	ANSI	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Ctn.	Notes
20	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	
35	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 Product #	Lamp Code	Beam Pattern	ANSI	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Ctn.	Notes	
10	MR16	GU5.3/ GX5.3	<b>S4185</b>	10MR16/NFL	NFL 38	-	12	N	Y	300	2000	C-8	1 7/8	<b>CD/1</b>	12		
20	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	<b>CD/1</b>	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	<b>CD/1</b>			
			<b>S1966</b>	20MR16/FL/C	FL 36	BAB/C	12	Y	Y	450	2000	C-6	1 7/8	Box	12		
			<b>S1992</b>	20MR16/FL/C/24V	FL 36	BAB/C	24	Y	Y	405	2000	C-8	1 7/8	Box	12		
			<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	
35	MR16	GU5.3/ GX5.3	<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>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	<b>CD/1</b>	-		
			<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		
			<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				

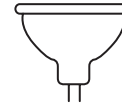


MR16 Bi Pin 12 & 24 Volt (continued)

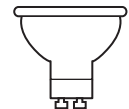
Watts	Bulb Type	Base	Satco Product #	Lamp Code	Beam Pattern	ANSI	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Ctn.	Notes
50	MR16	GU5.3/ GX5.3	<b>S1961</b>	50MR16/NSP	NSP 9	EXT	12	N	Y	7000	2000	C-6	1 7/8	Box	12	
			<b>S3462</b>	50MR16/NSP	NSP 9	EXT	12	N	Y	7000	2000	C-6	1 7/8	<b>CD/1</b>	12	
			<b>S3170</b>	50MR16/NSP/C	NSP 9	EXT/C	12	Y	Y	6500	2000	C-8	1 7/8	Box	12	
			<b>S1997</b>	50MR16/NSP/C/24V	NSP 9	EXT/C	24	Y	Y	6000	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>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	<b>CD/1</b>	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>SOFT RAY</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	Frost	-	765	2000	C-6	1 7/8	Box	12	5			
65	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	
			<i>SOFT RAY</i> <b>S1968</b>	65MR16/FL/C	FL 36	FPB	12	Y	Y	1800	2000	C-6	1 7/8	Box	12	
			<b>S4123</b>	65MR16/FL/FR/C	FL 36	-	12	Y	Y	880	2000	C-6	1 7/8	Box	12	
75	MR16	GU5.3/ GX5.3	<b>S4187</b>	75MR16/FL/C	FL 38	EYC	12	Y	Y	1650	2000	C-6	1 7/8	Box	12	
			<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 Product #	Lamp Code	Beam Pattern	ANSI	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Ctn.	Notes
20	MR11	GZ4	<b>S4170</b>	20MR11/FTD/S/C	NFL 30	FTD	12	Y	700	3000	AX	1 1/4	Box	12		
			<b>S4173</b>	20MR11/FTD/B/C	NFL 30	FTD	12	Y	700	3000	AX	1 1/4	Box	12		
35	MR11	GZ4	<b>S4172</b>	35MR11/FTH/S/C	NFL 30	FTH	12	Y	1250	3000	AX	1 1/4	Box	12		
			<b>S4174</b>	35MR11/FTH/B/C	NFL 30	FTH	12	Y	1250	3000	AX	1 1/4	Box	12		



MR16  
GU5.3/  
GX5.3



MR16  
GU10

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

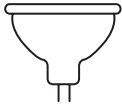
Watts	Bulb Type	Base	Satco Product #	Lamp Code	Beam Pattern	ANSI	Volts	Finish	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Ctn.	Notes
20	MR16	GU5.3/ GX5.3	<b>S4175</b>	20MR16/BAB/S/C	FL 38	BAB	12	Silver	Y	700	3000	AX	1 7/8	Box	12	
			<b>S4178</b>	20MR16/BAB/B/C	FL 38	BAB	12	Black	Y	700	3000	AX	1 7/8	Box	12	
35	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	
50	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 Product #	Lamp Code	Beam Pattern	ANSI	Volts	Finish	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Ctn.	Notes
20	MR16	GU10	<b>S4190</b>	20MR16/BAB/ALU/GU10	FL 38	BAB	120	Alu.	Y	700	3000	AX	1 7/8	Box	12	
35	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	
50	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 Product #	Lamp Code	Beam Pattern	ANSI	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Ctn.	Notes
20	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
35	MR16	GU5.3/ GX5.3	<b>S2606▲</b>	35MR16/B/SP	SP 10	FRB	12	N	Y	8700	4000	AX	1 3/4	Box	20	6
			<b>S2605▲</b>	35MR16/B/FL	FL 35	FMW	12	N	Y	1300	4000	AX	1 3/4	Box	20	6



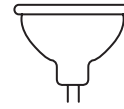
MR16  
GU5.3/  
GX5.3

### MR16 Bi Pin Aluminized Reflector 12 Volt (continued)

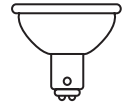
Watts	Bulb Type	Base	Satco Product #	Lamp Code	Beam Pattern	ANSI	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Ctn.	Notes
50	MR16	GU5.3/ GX5.3	<b>S2610▲</b>	50MR16/B/SP	SP 11	EXT	12	N	Y	10500	4000	AX	1 3/4	Box	20	6
			<b>S2609▲</b>	50MR16/B/NFL	NFL 25	EXZ	12	N	Y	3000	4000	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 Bi Pin Hard Coated Dichroic Reflector 12 Volt

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Beam Pattern	ANSI	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Ctn.	Notes
20	MR16	GU5.3/ GX5.3	<b>S2616▲</b>	20MR16/T/SP/C	SP 10	ESX	12	Y	Y	5000	4000	AX	1 3/4	Box	20	7
			<b>S2615▲</b>	20MR16/T/FL/C	FL 40	BAB	12	Y	Y	700	4000	AX	1 3/4	Box	20	7
			<b>S2617▲</b>	20MR16/T/WFL/C	WFL 60	-	12	Y	Y	350	4000	AX	1 3/4	Box	20	7
35	MR16	GU5.3/ GX5.3	<b>S2620▲</b>	35MR16/T/SP/C	SP 10	FRB	12	Y	Y	8300	4000	AX	1 3/4	Box	20	7
			<b>S2619▲</b>	35MR16/T/NFL/C	NFL 25	-	12	Y	Y	3100	4000	AX	1 3/4	Box	20	7
			<b>S2618▲</b>	35MR16/T/FL/C	FL 40	FMW	12	Y	Y	1250	4000	AX	1 3/4	Box	20	7
			<b>S2621▲</b>	35MR16/T/WFL/C	WFL 60	-	12	Y	Y	650	4000	AX	1 3/4	Box	20	7
50	MR16	GU5.3/ GX5.3	<b>S2624▲</b>	50MR16/T/SP/C	SP 10	EXT	12	Y	Y	11500	4000	AX	1 3/4	Box	20	7
			<b>S2623▲</b>	50MR16/T/NFL/C	NFL 25	EXZ	12	Y	Y	3200	4000	AX	1 3/4	Box	20	7
			<b>S2622▲</b>	50MR16/T/FL/C	FL 40	EXN	12	Y	Y	2000	4000	AX	1 3/4	Box	20	7
			<b>S2625▲</b>	50MR16/T/WFL/C	WFL 60	FNV	12	Y	Y	1000	4000	AX	1 3/4	Box	20	7



MR16  
GU5.3/  
GX5.3



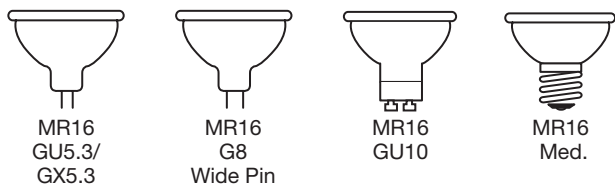
MR16  
DC Bay.

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

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Beam Pattern	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Ctn.	Notes
<b>20</b>	MR16	GU5.3/ GX5.3	<b>S2632▲</b>	20MR16/IR/SP	SP 10	12	Y	Y	6000	4000	AX	1 3/4	Box	20	8
			<b>S2631▲</b>	20MR16/IR/NFL	NFL 25	12	Y	Y	2300	4000	AX	1 3/4	Box	20	8
			<b>S2630▲</b>	20MR16/IR/FL	FL 40	12	Y	Y	1000	4000	AX	1 3/4	Box	20	8
			<b>S2633▲</b>	20MR16/IR/WFL	WFL 60	12	Y	Y	450	4000	AX	1 3/4	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 3/4	Box	20	8
			<b>S2635▲</b>	37MR16/IR/NFL	NFL 25	12	Y	Y	4400	4000	AX	1 3/4	Box	20	8
			<b>S2634▲</b>	37MR16/IR/FL	FL 40	12	Y	Y	2200	4000	AX	1 3/4	Box	20	8
			<b>S2637▲</b>	37MR16/IR/WFL	WFL 60	12	Y	Y	1100	4000	AX	1 3/4	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 3/4	Box	20	8
			<b>S2639▲</b>	50MR16/IR/NFL	NFL 25	12	Y	Y	5700	4000	AX	1 3/4	Box	20	8
			<b>S2638▲</b>	50MR16/IR/FL	FL 40	12	Y	Y	2850	4000	AX	1 3/4	Box	20	8
			<b>S2641▲</b>	50MR16/IR/WFL	WFL 60	12	Y	Y	1430	4000	AX	1 3/4	Box	20	8

## MR16 DC Bay. 12 Volt

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



### MR16 Bi Pin 120 Volt

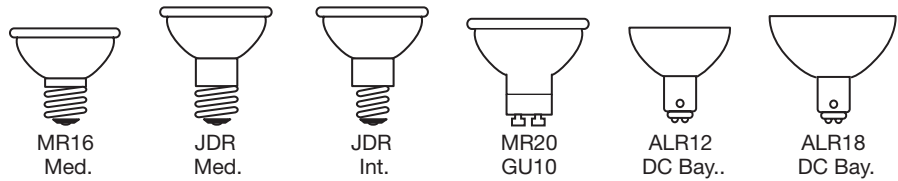
Watts	Bulb Type	Base	Satco Product #	Lamp Code	Beam Pattern	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Ctn.	Notes
20	MR16	GU5.3/ GX5.3	<b>S1976</b>	20MR16/FL/120V	FL 36	120	Y	Y	220	2000	CC-8	1 7/8	Box	12	
		G8	<b>S3445</b>	20MR16/FL/120V	FL 36	120	Y	Y	220	2000	CC-8	1 7/8	<b>CD/1</b>	12	
			<b>S4626</b>	20MR16/FL/120V	FL 36	120	Y	N	220	2000	CC-8	1 7/8	Box	12	
35	MR16	GU5.3/ GX5.3	<b>S1977</b>	35MR16/FL/120V	FL 36	120	Y	Y	440	2000	CC-8	1 7/8	Box	12	
		G8	<b>S4627</b>	35MR16/FL/120V	FL 36	120	Y	N	440	2000	CC-8	1 7/8	Box	12	
50	MR16	GU5.3/ GX5.3	<b>S1978</b>	50MR16/FL/120V	FL 36	120	Y	Y	1000	2000	CC-8	1 7/8	Box	12	
		G8	<b>S3446</b>	50MR16/FL/120V	FL36	120	Y	Y	1000	2000	CC-8	1 7/8	<b>CD/1</b>	12	
			<b>S4618</b>	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 Product #	Lamp Code	Beam Pattern	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Ctn.	Notes
20	MR16	GU10	<b>S3515</b>	20MR16/GU10/FL	FL 36	120	Y	Y	200	2000	CC-8	1 7/8	Box	12	
			<b>S3500</b>	20MR16/GU10/FL	FL 36	120	Y	Y	200	2000	CC-8	1 7/8	<b>CD/1</b>	12	
			<b>S4127</b>	20MR16/GU10/FL/FR	FL 36	120	Y	Y	200	2000	CC-8	1 7/8	Box	12	
35	MR16	GU10	<b>S3516</b>	35MR16/GU10/FL	FL 36	120	Y	Y	400	2000	CC-8	1 7/8	Box	12	
			<b>S3501</b>	35MR16/GU10/FL	FL 36	120	Y	Y	400	2000	CC-8	1 7/8	<b>CD/1</b>	12	
			<b>S4128</b>	35MR16/GU10/FL/FR	FL 36	120	Y	Y	400	2000	CC-8	1 7/8	Box	12	
50	MR16	GU10	<b>S3517</b>	50MR16/GU10/FL	FL 36	120	Y	Y	900	2000	CC-8	1 7/8	Box	12	
			<b>S3502</b>	50MR16/GU10/FL	FL 36	120	Y	Y	900	2000	CC-8	1 7/8	<b>CD/1</b>	12	
			<b>S4129</b>	50MR16/GU10/FL/FR	FL 36	120	Y	Y	900	2000	CC-8	1 7/8	Box	12	

### MR16 & JDR Screw Base 120 Volt

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

## MR20 GU10 (Twist Base) 120 Volt

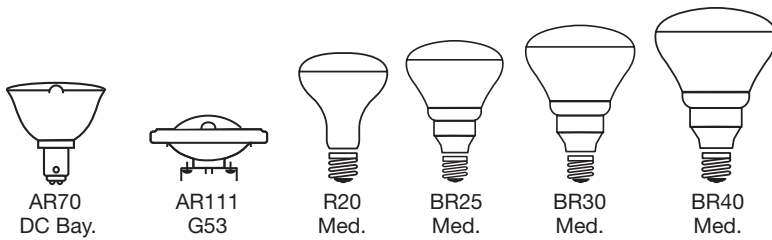
Watts	Bulb Type	Base	Satco Product #	Lamp Code	Beam Pattern	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Ctn.	Notes
<b>75</b>	MR20	GU10	<b>S3518</b>	75MR20/GU10/FL	FL 50	120	Y	Y	1600	2000	CC-8	2	Box	12	

## Aluminum Reflector Lamps

### ALR Closed Aluminum Reflector 12 Volt

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





## AR70 Aluminum Reflector 12 Volt

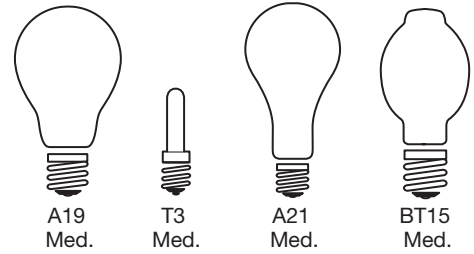
Watts	Bulb Type	Base	Satco Product #	Lamp Code	Beam Pattern	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Ctn.	Notes
20	AR70	DC Bay.	<b>S4680▲</b>	20AR70/SP8	SP 8	12	N	Y	7700	3000	C-8	1 15/16	Box	10	
			<b>S4681▲</b>	20AR70/FL25	FL 25	12	N	Y	900	3000	C-8	1 15/16	Box	10	
50	AR70	DC Bay.	<b>S4682▲</b>	50AR70/SP8	SP 8	12	N	Y	12500	3000	C-8	1 15/16	Box	10	
			<b>S4683▲</b>	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 Product #	Lamp Code	Beam Pattern	Volts	Lens	UV Block	CBCP	Avg. Rated Hours	Filament	M.O.L. Inches	Pkg. Type	Ctn.	Notes
35	AR111	G53	<b>S4685▲</b>	35AR111/SSP4/6V	SSP 4	6	N	Y	30000	3000	C-8	2 3/8	Box	6	
			<b>S4684▲</b>	35AR111/SSP4	SSP 4	12	N	Y	40000	3000	C-8	2 3/8	Box	6	
			<b>S4686▲</b>	35AR111/SP8	SP 8	12	N	Y	14000	3000	C-8	2 5/16	Box	6	
			<b>S4687▲</b>	35AR111/FL25	NFL 25	12	N	Y	2500	3000	C-8	2 5/16	Box	6	
50	AR111	G53	<b>S4688▲</b>	50AR111/SSP4	SSP 4	12	N	Y	45000	3000	C-8	2 3/8	Box	6	
			<b>S4689▲</b>	50AR111/SP8	SP 8	12	N	Y	20000	3000	C-8	2 1/4	Box	6	
			<b>S4690▲</b>	50AR111/FL25	NFL 25	12	N	Y	4000	3000	C-8	2 5/16	Box	6	
75	AR111	G53	<b>S4691▲</b>	75AR111/SP8	SP 8	12	N	Y	30000	3000	C-8	2 1/4	Box	6	
			<b>S4692▲</b>	75AR111/FL25	NFL 25	12	N	Y	5300	3000	C-8	2 5/16	Box	6	
			<b>S4693▲</b>	75AR111/WFL45	WFL 45	12	N	Y	2000	3000	C-8	2 3/16	Box	6	
100	AR111	G53	<b>S4694▲</b>	100AR111/SP8	SP 8	12	N	Y	48000	3000	C-8	2 1/4	Box	6	
			<b>S4695▲</b>	100AR111/FL25	NFL 25	12	N	Y	8500	3000	C-8	2 5/16	Box	6	
			<b>S4696▲</b>	100AR111/WFL45	WFL 45	12	N	Y	2800	3000	C-8	2 3/16	Box	6	

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

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Beam Pattern	Volts	Finish	M.O.L. Inches	Lumens	Avg. Rated Hours	Pkg. Type	Ctn.	Notes
45	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 3/4	560	2000	Box	24/12		
65	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 1/2	900	2000	Sleeve	48/6	
	BR40	Med.	<b>S4516</b>	65BR40/FL/HAL	FL 90	120	Frost	6 1/2	920	2000	Sleeve	24/6	
			<b>S4416</b>	65BR40/FL/HAL/130V	FL 90	130	Frost	6 1/2	900	2000	Sleeve	24/6	



## Halogen A19

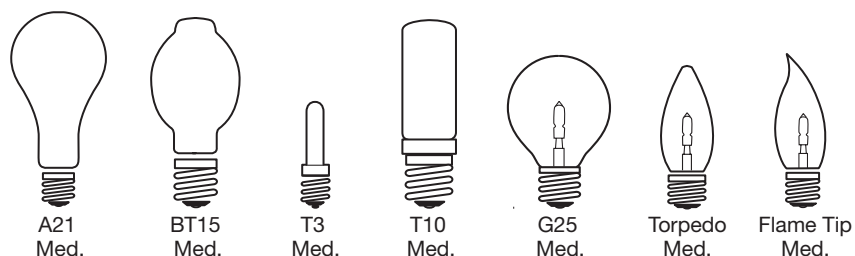
### Halogen/Excel A19 Replacements

Watts	Bulb Type	Base	Satco Product #	Incand. Equiv.	Lamp Code	Volts	M.O.L. Finish	Inches	Avg. Rated Lumens	Pkg. Hours	Type	Ctn.
<b>29</b>	A19	Med.	<b>S2401</b>	40W	29A19/HAL/ES/CL/120V/2PK	120	Clear	4 1/2	430	1000	Box	12/2
			<b>S2405</b>	40W	29A19/HAL/ES/SW/120V/2PK	120	White	4 1/2	430	1000	Box	12/2
<b>43</b>	A19	Med.	<b>S2402</b>	60W	43A19/HAL/ES/CL/120V/2PK	120	Clear	4 1/2	750	1000	Box	12/2
			<b>S2406</b>	60W	43A19/HAL/ES/SW/120V/2PK	120	White	4 1/2	750	1000	Box	12/2
			<b>S2448</b>	60W	43A19/HAL/ES/SW/120V/4PK	120	White	4 1/2	750	1000	Box	12/4
<b>53</b>	A19	Med.	<b>S2403</b>	75W	53A19/HAL/ES/CL/120V/2PK	120	Clear	4 1/2	1050	1000	Box	12/2
			<b>S2407</b>	75W	53A19/HAL/ES/SW/120V/2PK	120	White	4 1/2	1050	1000	Box	12/2
			<b>S2449</b>	75W	53A19/HAL/ES/SW/120V/4PK	120	White	4 1/2	1050	1000	Box	12/4
<b>72</b>	A19	Med.	<b>S2404</b>	100W	72A19/HAL/ES/CL/120V/2PK	120	Clear	4 1/2	1490	1000	Box	12/2
			<b>S2408</b>	100W	72A19/HAL/ES/SW/120V/2PK	120	White	4 1/2	1490	1000	Box	12/2
			<b>S2450</b>	100W	72A19/HAL/ES/SW/120V/4PK	120	White	4 1/2	1490	1000	Box	12/4

## Tubular and BT Shape

### Med. Base Tubular and A Style Replacements

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Finish	M.O.L. Inches	Lumens	Avg. Rated Hours	Pkg. Type	Ctn.	Notes
<b>20</b>	T3	Med.	<b>S4308</b> ■	KX20CL/3M/E26	120	Clear	2 3/4	200	3000	Box	10	1
			<b>S4309</b> ■	KX20FR/3M/E26	120	Frost	2 3/4	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 3/4	560	3000	Box	10	1
			<b>S4311</b> ■	KX40FR/3M/E26	120	Frost	2 3/4	560	3000	Box	10	1
<b>43</b>	BT15	Med.	<b>S2452</b>	43BT15/CL/120V/CD	120	Clear	4	750	1000	<b>CD/1</b>	24/6	
			<b>S2453</b>	43BT15/WH/120V/CD	120	White	4	750	1000	<b>CD/1</b>	24/6	



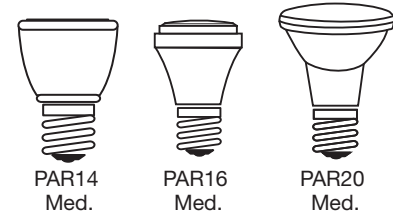
## Med. Base Tubular and A Style Replacements (continued)

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Finish	M.O.L. Inches	Lumens	Avg. Rated Hours	Pkg. Type	Ctn.	Notes
<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	<b>CD/1</b>	24/6	
<b>60</b>	T3	Med.	<b>S4312</b> ■	KX60CL/3M/E26	120	Clear	2 3/4	960	3000	Box	10	1
			<b>S4313</b> ■	KX60FR/3M/E26	120	Frost	2 3/4	960	3000	Box	10	1
<b>72</b>	BT15	Med.	<b>S2455</b>	72BT15/WH/120V/CD	120	White	4	1490	1000	<b>CD/1</b>	24/6	
<b>150</b>	T10	Med.	<b>S3474</b>	150T10Q/CL	120	Clear	4	2600	2000	<b>CD/1</b>	12	
			<b>S3478</b>	150T10Q/F	120	Frost	4	2600	2000	<b>CD/1</b>	12	
<b>250</b>	T10	Med.	<b>S3475</b>	250T10Q/CL	120	Clear	4	4000	2000	<b>CD/1</b>	12	
			<b>S3479</b>	250T10Q/F	120	Frost	4	3600	2000	<b>CD/1</b>	12	

## Decorative Halogen Lamps

### Halogen/Excel Globe and Chandelier

Watts	Bulb Type	Base	Satco Product #	Incand. Equiv.	Lamp Code	Volts	M.O.L. Finish	Inches	Avg. Rated Lumens	Pkg. Hours	Type	Ctn.
<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 1/2	750	1000	<b>CD/2</b>	120/12	
		<b>S2444</b>	60W	43ETF/HAL/120V/E26/CD	120	Frost	3 1/2	750	1000	<b>CD/2</b>	120/12	
		<b>S2445</b>	60W	43ETW/HAL/120V/E26/CD	120	White	3 1/2	750	1000	<b>CD/2</b>	120/12	
Flame Tip	Med.	<b>S2446</b>	60W	43EFC/HAL/120V/E26/CD	120	Clear	4 3/4	750	1000	<b>CD/2</b>	120/12	
		<b>S2447</b>	60W	43EFF/HAL/120V/E26/CD	120	Frost	4 3/4	750	1000	<b>CD/2</b>	120/12	



## Halogen PAR Lamps

### PAR14 and PAR16

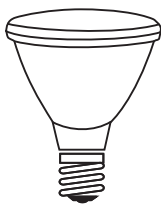
Watts	Bulb Type	Base	Satco Product #	Lamp Code	Beam Pattern	Volts	Finish	CBCP	M.O.L. Inches	Fimnt.	Lumens	Avg. Rated Hours	Pkg. Type	Ctn.	Notes
<b>35</b>	PAR14	Med.	<b>S4658▲</b>	35PAR14/CAP/FL	WFL50	120	Clear	85	2 1/16	CC-8	300	2000	Box	6	
<b>45</b>	PAR16	Med.	<b>S2200</b>	45PAR16/HAL/NFL	NFL 30	120	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	
<b>60</b>	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	
			<i>SOFT RAY</i> <b>S4108</b>	60PAR16/HAL/FL/Frost	FL 38	120	Frost	750	2 7/8	CC-8	525	2500	Box	15	
<b>75</b>	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>S2304</b>	75PAR16/HAL/NSP	NSP 10	130	Clear	7000	3 3/16	CC-8	800	2500	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	2 7/8	CC-8	725	2500	Box	15	5

### PAR20

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Beam Pattern	Volts	Finish	CBCP	M.O.L. Inches	Fimnt.	Lumens	Avg. Rated Hours	Pkg. Type	Ctn.	Notes
<b>39</b>	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	2pk	8	
			<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  
Med.



PAR30L  
Med.

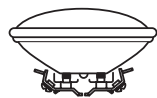
## PAR30 Short Neck

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Beam Pattern	Volts	Finish	CBCP	M.O.L. Inches	Fimnt.	Lumens	Avg. Rated Hours	Pkg. Type	Ctn.	Notes	
<b>39</b>	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 34	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					
<b>60</b>	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	2pk	8		
			<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		

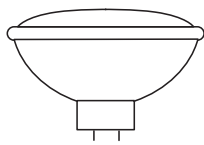
## PAR30 Long Neck

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Beam Pattern	Volts	Finish	CBCP	M.O.L. Inches	Fimnt.	Lumens	Avg. Rated Hours	Pkg. Type	Ctn.	Notes
<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				

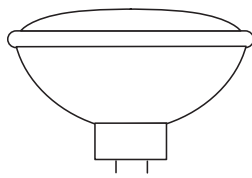




PAR36  
Screw Term.  
MP2



PAR56  
Mog.  
End Prong



PAR64  
Mog.  
End Prong

## PAR36 12 Volt

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Beam Pattern	Volts	CBCP	M.O.L. Inches	Fimnt.	Avg. Rated Hours	Pkg. Type	Ctn.	Notes
36	PAR36	MP2	<b>S4807▲</b>	36PAR36/CAP/VNSP	VNSP 5	12	17000	2 3/4	CC-8	4000	Box	12	
			<b>S4808▲</b>	36PAR36/CAP/NSP	NSP 13	12	3500	2 3/4	CC-8	4000	Box	12	
			<b>S4809</b>	36PAR36/CAP/WFL	WFL 32	12	1000	2 3/4	CC-8	4000	Box	12	
50	PAR36	MP2	<b>S4806▲</b>	50PAR36/CAP/NSP	NSP 6	12	25000	2 3/4	CC-8	4000	Box	12	
			<b>S4804▲</b>	50PAR36/WFL	WFL 30	12	-	2 3/4	C-6	2000	Box	12	
			<b>S4805▲</b>	50PAR36/NSP	NSP 13	12	-	2 3/4	C-6	2000	Box	12	

## PAR56 and PAR64

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

### General Halogen 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.
- 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 BallLites.

### 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.

# INCANDESCENT LAMPS



Nuvo Lighting's Sagamore three light dinette in Aged Bronze with Satin White Glass.  
Nuvo item number 60-5533. See the [www.nuvolighting.com](http://www.nuvolighting.com) website.



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.

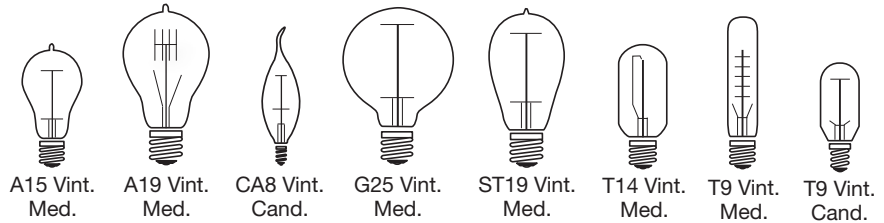
## Enduring solutions.

### Incandescent lamp features:

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

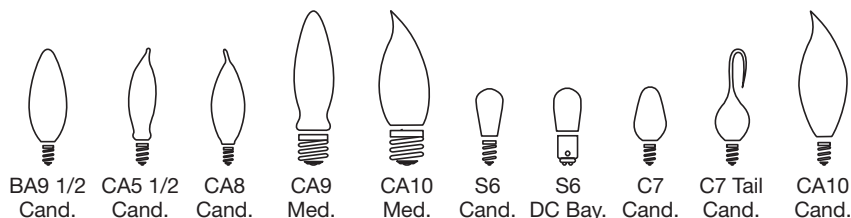


Nuvo Lighting's Neval five light chandelier in Brushed Nickel with Satin White Glass. Nuvo item number 60-5485. See the [www.nuvolighting.com](http://www.nuvolighting.com) website.



## Vintage Style Incandescent Lamps

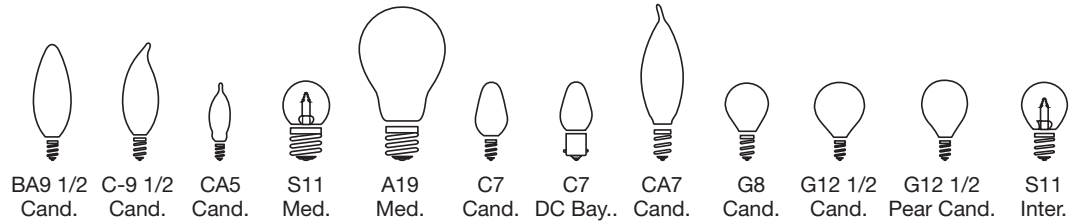
Bulb Type	Watts	Base	Satco Product #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Ctn.	Notes
<b>A15</b>	40	Med.	<b>S2424</b>	40A15/CL/11S/120V/Vint.	120	Clear	3 5/8	Cage Style	160	3000	Box	50/10	
<b>A19</b>	25	Med.	<b>S2411</b>	25A19/CL/120V/Vint.	120	Clear	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>	25CF8/7S/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/120V/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>S2421</b>	40T9/CL/12S/120V/Vint.	120	Clear	7 5/16	Hairpin	160	3000	Box	50/10	
	60	Med.	<b>S2422</b>	60T9/CL/12S/120V/Vint.	120	Clear	7 5/16	Hairpin	240	3000	Box	50/10	



Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Ctn.	Notes	
<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	<b>CD/1</b>	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	<b>CD/1</b>	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	<b>CD/1</b>	120/12		
	BA9 1/2	Med.	<b>S3660</b>	3BA9 1/2/Flicker	120	Clear	4 9/16	Neon	-	1000	Box	500/25		
			<b>S3760</b>	3CA9/Flicker	120	Clear	4 9/16	Neon	-	1000	<b>CD/1</b>	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	<b>CD/1</b>	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	2000/50	
<b>S3797</b>				4C7	120	Clear	2 1/8	C-7A	16	3000	<b>CD/2</b>	400/20		
<b>S4724</b>				4C7	120	Clear	2 1/8	C-7A	16	3000	<b>CD/4</b>	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	<b>CD/2</b>	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	<b>CD/2</b>	120/12	
		DC Bay.		<b>S3901</b>	6S6/DC	130	Clear	1 7/8	C-7A	30	2500	Sleeve/10	120/10	
		S8	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	<b>CD/2</b>	400/20		
			<b>S4725</b>	7C7	120	Clear	2 1/8	C-7A	35	3000	<b>CD/4</b>	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	<b>CD/2</b>	400/20	
				<b>S4726</b>	7C7/W	120	White	2 1/8	C-7A	28	3000	<b>CD/4</b>	48/12	
		CA10	Cand.	<b>S3866</b>	7CA10/12V	12	Clear	4 1/4	CC-2V	65	1500	Box	500/25	

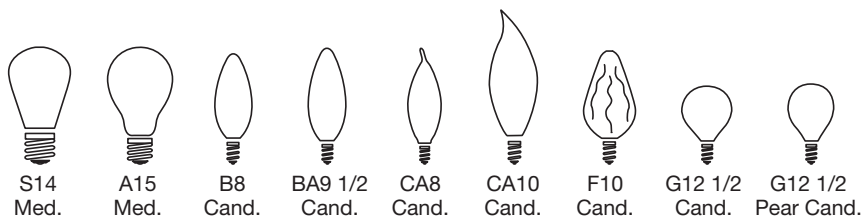
NOTE: When using a 130 Volt lamp on a 120 Volt line, life is extended approximately 2.5 times and lumens are reduced approximately 20%.

# INCANDESCENT



Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Ctn.	Notes
<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	<b>CD/1</b>	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	<b>CD/1</b>	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	<b>CD/1</b>	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	<b>CD/1</b>	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	<b>CD/1</b>	120/10	
	C7	Cand.	<b>S3903</b>	10C7	130	Clear	2 1/8	C-7A	60	2500	Sleeve/10	120/10	
			<b>S3904</b>	10C7/DC	130	Clear	2 1/8	C-7A	60	2500	Sleeve/10	120/10	
		DC Bay..	<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		
		<b>S3755</b>	10G12 1/2/W	120	Satin White	2 3/8	C-7A	60	1500	<b>CD/2</b>	120/10		
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>	10S11N/F	120	Frost	2 3/8	CC-2V	80	1500	Box	600/10		

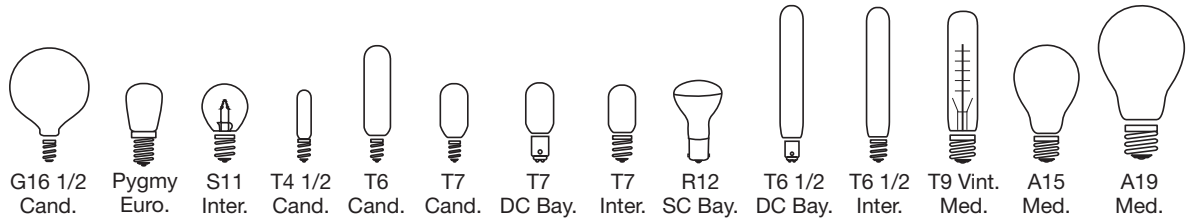
NOTE: When using a 130 Volt lamp on a 120 Volt line, life is extended approximately 2.5 times and lumens are reduced approximately 20%.



Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Lumens	Avg. Rated Hours	Pkg. Type	Master/ Inner Ctn.	Notes	
<b>11</b>	S14	Med.	<b>S3965</b>	11S14	130	Clear	3 1/2	CC-9	80	2500	Sleeve/4	120/4		
			<b>S4565</b>	11S14	130	Clear	3 1/2	CC-9	80	2500	<b>CD/1</b>	120/10		
			<b>S3966</b>	11S14/F	130	Frost	3 1/2	CC-9	65	2500	Sleeve/4	120/4		
			<b>S4566</b>	11S14/F	130	Frost	3 1/2	CC-9	65	2500	<b>CD/1</b>	120/10		
			<b>S3963</b>	11S14/B	130	Cer. Blue	3 1/2	CC-9	-	2500	Sleeve/4	120/4		
			<b>S4563</b>	11S14/B	130	Cer. Blue	3 1/2	CC-9	-	2500	<b>CD/1</b>	120/10		
			<b>S3962</b>	11S14/G	130	Cer. Green	3 1/2	CC-9	-	2500	Sleeve/4	120/4		
			<b>S4562</b>	11S14/G	130	Cer. Green	3 1/2	CC-9	-	2500	<b>CD/1</b>	120/10		
			<b>S3964</b>	11S14/O	130	Cer. Orange	3 1/2	CC-9	-	2500	Sleeve/4	120/4		
			<b>S4564</b>	11S14/O	130	Cer. Orange	3 1/2	CC-9	-	2500	<b>CD/1</b>	120/10		
			<b>S3961</b>	11S14/R	130	Cer. Red	3 1/2	CC-9	-	2500	Sleeve/4	120/4		
			<b>S4561</b>	11S14/R	130	Cer. Red	3 1/2	CC-9	-	2500	<b>CD/1</b>	120/10		
			<b>S3960</b>	11S14/Y	130	Cer. Yellow	3 1/2	CC-9	-	2500	Sleeve/4	120/4		
			<b>S4560</b>	11S14/Y	130	Cer. Yellow	3 1/2	CC-9	-	2500	<b>CD/1</b>	120/10		
<b>15</b>	A15	Med.	<b>S3948</b>	15A15	130	Clear	3 1/2	C-9	100	2500	2pk	120		
			<b>S3949</b>	15A15/F	130	Frost	3 1/2	C-9	100	2500	2pk	120		
	B8	Cand.	<b>S3345</b>	15B8/Petite	130	Clear	3	C-7A	114	1500	Box	500/25		
			<b>S3230</b>	15BA9 1/2	Cand.	15BA9 1/2	120	Clear	3 1/2	C-7A	114	1500	Box	500/25
						15BA9 1/2/F	120	Frost	3 1/2	C-7A	114	1500	Box	500/25
	CA8	Cand.	<b>A3620</b>	15BA9 1/2	130	Clear	3 1/2	C-7A	114	2500	Box	500/25		
			<b>S3273</b>	15CA8	120	Clear	3 5/8	C-7A	100	1500	Box	500/25		
			<b>S3773</b>	15CA8	120	Clear	3 5/8	C-7A	100	1500	<b>CD/2</b>	120/10		
	CA10	Cand.	<b>A3673</b>	15CA8	130	Clear	3 5/8	C-7A	95	2500	Box	500/25		
			<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	<b>CD/2</b>	120/10		
	F10	Cand.	<b>A3677</b>	15CA8/F	130	Frost	3 5/8	C-7A	90	2500	Box	500/25		
			<b>S3867</b>	15CA10/12V	12	Clear	4 1/4	CC-2V	150	1500	Box	500/25		
			<b>S3360</b>	15F10	120	Clear	3 1/16	C-7A	110	1500	Box	500/25		
	G12 1/2	Cand.	<b>S2760</b>	15F10	120	Clear	3 1/16	C-7A	110	1500	<b>CD/2</b>	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	<b>CD/2</b>	120/2		
	G12 1/2 Pear	Cand.	<b>S3845</b>	15G12 1/2	120	Clear	2 3/8	C-7A	100	1500	Box	500/25		
			<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	<b>CD/2</b>	120/10	

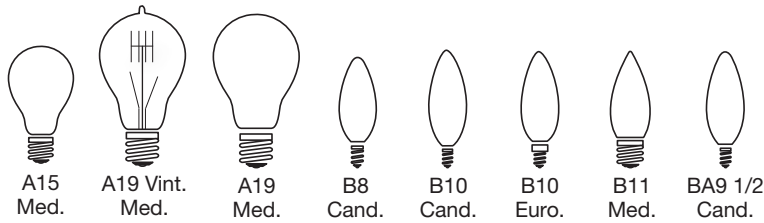
NOTE: When using a 130 Volt lamp on a 120 Volt line, life is extended approximately 2.5 times and lumens are reduced approximately 20%.

# INCANDESCENT



Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Ctn.	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	<b>CD/2</b>	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	<b>CD/2</b>	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 1/4	C-5A	100	1000	Box	25	
			<b>S7941</b>	15T8/220V/E14	220	Clear	2 1/4	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 1/2	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	<b>CD/2</b>	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	<b>CD/1</b>	120/10	
			<b>S3905</b>	15T7C	130	Clear	2 1/4	C-5A	95	2500	Sleeve/10	120/10	
	T7	Cand.	<b>S4718</b>	15T7C	130	Clear	2 1/4	C-5A	95	2500	<b>CD/1</b>	120/12	
			<b>S3906</b>	15T7/DC	130	Clear	2 1/4	C-5A	95	2500	Sleeve/10	120/10	
		DC Bay.	<b>S4719</b>	15T7/DC	130	Clear	2 1/4	C-5A	95	2500	<b>CD/1</b>	120/12	
<b>S3911</b>			15T7/N	130	Clear	2 1/4	C-5A	95	2500	Sleeve/10	120/10		
Inter.	<b>S4722</b>	15T7/N	130	Clear	2 1/4	C-5A	95	2500	<b>CD/1</b>	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	
			<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 1/2	Hairpin	80	3000	Box	48/6	
	<b>25</b>	A15	Med.	<b>S3814</b>	25A15/CL	130	Clear	3 1/2	C-9	150	2500	Box	500/25
<b>S3815</b>				25A15/F	130	Frost	3 1/2	C-9	150	2500	Box	500/25	
<b>Shatter Proof S4880</b>				25A15/TF	130	Frost	3 1/2	C-9	120	2500	Box	500/25	4
A19		Med.	<b>S5010</b>	25A19/F/12V	12	Frost	4 1/8	C-6	250	1500	Box	120/6	
			<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	

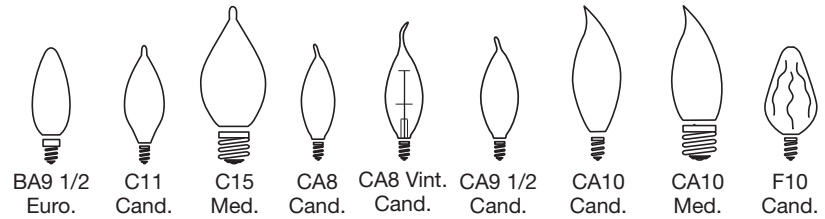
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Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Ctn.	Notes
<b>25</b>	A19	Med.	<b>S3950</b>	25A19/F	130	Frost	4 1/8	CC-6	180	2500	2pk	120	
			<b>S6050</b>	25A19/F	120	Frost	4 1/8	C-9	180	1500	2pk	120	
			<b>S2411</b>	25A19/CL/120V Vint.120		Clear	4 1/2	Quad Loop	100	3000	Box	48/6	
			<b>S6092</b>	25A/B	130	Cer. Blue	4 1/8	C-9	-	1000	Sleeve	24/12	
			<b>S6091</b>	25A/G	130	Cer. Green	4 1/8	C-9	-	1000	Sleeve	24/12	
			<b>S6090</b>	25A/R	130	Cer. Red	4 1/8	C-9	-	1000	Sleeve	24/12	
			<b>S6093</b>	25A/Y	130	Cer. Yellow	4 1/8	C-9	-	1000	Sleeve	24/12	
			<b>S6082</b>	25A/TB	130	Trans. Blue	4 1/8	C-9	-	2000	Sleeve	24/12	
			<b>S6081</b>	25A/TG	130	Trans. Green	4 1/8	C-9	-	2000	Sleeve	24/12	
			<b>S6080</b>	25A/TR	130	Trans. Red	4 1/8	C-9	-	2000	Sleeve	24/12	
	<b>S6083</b>	25A/TY	130	Trans. Yellow	4 1/8	C-9	-	2000	Sleeve	24/12			
	B8	Cand.	<b>S3346</b>	25B8/Petite	130	Clear	3	CC-2V	212	1500	Box	500/25	
	B10	Cand.	<b>S3386</b>	25B10/220V	220	Clear	3 3/4	CC-2F	200	1000	Box	500/25	
		Euro.	<b>S3393</b>	25B10/220V	220	Clear	3 3/4	CC-2F	200	1000	Box	500/25	
	B11	Med.	<b>S3231</b>	25B11	120	Clear	3 7/8	CC-2V	210	1500	Box	500/25	
			<b>S3731</b>	25B11	120	Clear	3 7/8	CC-2V	210	1500	<b>CD/2</b>	120/10	
			<b>S3234</b>	25B11/F	120	Frost	3 7/8	CC-2V	200	1500	Box	500/25	
			<b>S3734</b>	25B11/F	120	Frost	3 7/8	CC-2V	200	1500	<b>CD/2</b>	120/10	
			<b>S3237</b>	25B11/W	120	White	3 7/8	CC-2V	150	1500	Box	500/25	
			<b>S3737</b>	25B11/W	120	White	3 7/8	CC-2V	150	1500	<b>CD/2</b>	120/10	
			<b>S4468</b>	KR25B11	120	Clear	3 7/8	CC-2V	212	2500	Box	500/25	1
			<b>A3631</b>	25B11	130	Clear	3 7/8	CC-2V	210	2500	Box	500/25	
			<b>A3634</b>	25B11/F	130	Frost	3 7/8	CC-2V	200	2500	Box	500/25	
			<b>A3637</b>	25B11/W	130	White	3 7/8	CC-2V	160	2500	Box	500/25	
	BA9 1/2	Cand.	<b>S3282</b>	25BA9 1/2	120	Clear	3 1/2	CC-2V	212	1500	Box	500/25	
			<b>S3782</b>	25BA9 1/2	120	Clear	3 1/2	CC-2V	212	1500	<b>CD/2</b>	120/10	
			<b>S4995</b>	KR25BA9 1/2	120	Clear	3 7/8	CC-2V	212	2500	Box	500/25	1
			<b>A3682</b>	25BA9 1/2	130	Clear	3 1/2	CC-2V	193	2500	Box	500/25	
			<b>S3285</b>	25BA9 1/2/F	120	Frost	3 1/2	CC-2V	212	1500	Box	500/25	
			<b>S3785</b>	25BA9 1/2/F	120	Frost	3 1/2	CC-2V	212	1500	<b>CD/2</b>	120/10	
			<b>A3685</b>	25BA9 1/2/F	130	Frost	3 1/2	CC-2V	193	2500	Box	500/25	
			<b>S3288</b>	25BA9 1/2/W	120	Gloss White	3 1/2	CC-2V	180	1500	Box	500/25	
<b>S3788</b>			25BA9 1/2/W	120	Gloss White	3 1/2	CC-2V	180	1500	<b>CD/2</b>	120/10		
<b>A3688</b>			25BA9 1/2/W	130	Gloss White	3 1/2	CC-2V	163	2500	Box	500/25		
<b>S3813</b>			25BA9 1/2/A	120	Trans. Amber	3 1/2	CC-2V	-	1500	Box	500/25		
<b>S3218</b>			25BA9 1/2/B	120	Trans. Blue	3 1/2	CC-2V	-	1500	Box	500/25		
<b>S3219</b>	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%.

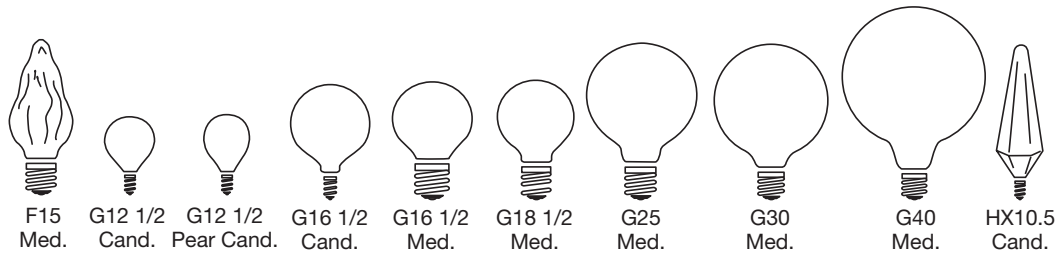
# INCANDESCENT



Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Ctn.	Notes	
<b>25</b>	BA9 1/2	Euro.	<b>S3390</b>	25BA9 1/2	120	Clear	3 1/2	CC-2V	220	1500	Box	500/25		
			<b>S4711</b>	25BA9 1/2	120	Clear	3 1/2	CC-2V	220	1500	<b>CD/2</b>	120/12		
			<b>S3380</b>	25BA9 1/2/F	120	Frost	3 1/2	CC-2V	220	1500	Box	500/25		
			<b>S4714</b>	25BA9 1/2/F	120	Frost	3 1/2	CC-2V	220	1500	<b>CD/2</b>	120/10		
	C11	Cand.	<b>S3403</b>	25C11	120	Satin Spun	4	C-7A	160	4000	Box	500/25		
			<b>S2703</b>	25C11	120	Satin Spun	4	C-7A	160	4000	<b>CD/1</b>	120/10		
			<b>S3406</b>	25C11/A	120	Amber Spun	4	C-7A	-	4000	Box	500/25		
			<b>S2706</b>	25C11/A	120	Amber Spun	4	C-7A	-	4000	<b>CD/1</b>	120/10		
	C15	Med.	<b>S2713</b>	25C15	120	Satin Spun	4 1/2	C-9	130	4000	<b>CD/1</b>	120/12		
			<b>S3143</b>	25C15	120	Satin Spun	4 1/2	C-7A	-	4000	Box	300/25		
			<b>S3413</b>	25C15	120	Satin Spun	4 1/2	C-9	160	4000	Box	300/25		
	CA8	Cand.	<b>S3274</b>	25CA8	120	Clear	3 5/8	CC-2V	210	1500	Box	500/25		
			<b>S3774</b>	25CA8	120	Clear	3 5/8	CC-2V	210	1500	<b>CD/2</b>	120/10		
			<b>A3674</b>	25CA8	130	Clear	3 5/8	CC-2V	210	2500	Box	500/25		
			<b>S3278</b>	25CA8/F	120	Frost	3 5/8	CC-2V	200	1500	Box	500/25		
			<b>S3778</b>	25CA8/F	120	Frost	3 5/8	CC-2V	200	1500	<b>CD/2</b>	120/10		
			<b>A3678</b>	25CA8/F	130	Frost	3 5/8	CC-2V	200	2500	Box	500/25		
				<b>S2418</b>	25CFC/7S/120V/Vint.	120	Clear	5	Deco Carbon	100	3000	Box	50/10	
	CA9 1/2	Cand.	<b>S4465</b>	KR25CA9 1/2	120	Clear	3 15/16	CC-2V	212	2500	Box	500/25	1	
	CA10	Cand.	<b>S3868</b>	25CA10/12V	12	Clear	4 1/4	CC-2V	250	1500	Box	500/25		
			<b>S3869</b>	25CA10/12V	12	Clear	4 1/4	CC-2V	250	1500	Box	500/25		
		Med.	<b>S3264</b>	25CA10	120	Clear	4 1/4	CC-2V	210	1500	Box	500/25		
			<b>S3764</b>	25CA10	120	Clear	4 1/4	CC-2V	210	1500	<b>CD/2</b>	120/10		
			<b>A3664</b>	25CA10	130	Clear	4 1/4	CC-2V	210	2500	Box	500/25		
			<b>S3267</b>	25CA10/F	120	Frost	4 1/4	CC-2V	200	1500	Box	500/25		
			<b>S3767</b>	25CA10/F	120	Frost	4 1/4	CC-2V	200	1500	<b>CD/2</b>	120/10		
	<b>A3667</b>	25CA10/F	130	Frost	4 1/4	CC-2V	200	2500	Box	500/25				
	F10	Cand.	<b>S3371</b>	25F10	120	Clear	3 1/16	C-7A	195	1500	Box	500/25		
<b>S2771</b>			25F10	120	Clear	3 1/16	C-7A	195	1500	<b>CD/2</b>	120/12			
<b>S3372</b>			25F10/W	120	White	3 1/16	C-7A	185	1500	Box	500/25			
<b>S2772</b>			25F10/W	120	White	3 1/16	C-7A	185	1500	<b>CD/2</b>	120/12			
<b>S3374</b>			25F10/A	120	Amber	3 1/16	C-7A	-	1500	Box	500/25			
<b>S2774</b>			25F10/A	120	Amber	3 1/16	C-7A	-	1500	<b>CD/2</b>	120/12			
<b>S3373</b>			25F10/AU	120	Aurora	3 1/16	C-7A	190	1500	Box	500/25			
<b>S2773</b>	25F10/AU	120	Aurora	3 1/16	C-7A	190	1500	<b>CD/2</b>	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%.

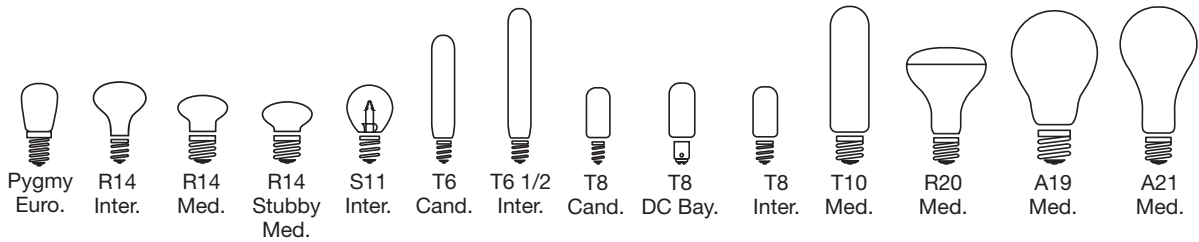




Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Ctn.	Notes	
<b>25</b>	F15	Med.	<b>S3363</b>	25F15	120	Clear	4 1/2	CC-9	180	1500	Box	300/25		
			<b>S2763</b>	25F15	120	Clear	4 1/2	CC-9	180	1500	<b>CD/2</b>	120/12		
			<b>S3364</b>	25F15/W	120	White	4 1/2	CC-9	160	1500	Box	300/25		
			<b>S2764</b>	25F15/W	120	White	4 1/2	CC-9	160	1500	<b>CD/2</b>	120/12		
			<b>S3365</b>	25F15/AU	120	Aurora	4 1/2	CC-9	165	1500	Box	300/25		
			<b>S2765</b>	25F15/AU	120	Aurora	4 1/2	CC-9	165	1500	<b>CD/2</b>	120/10		
			<b>S3366</b>	25F15/A	120	Amber	4 1/2	CC-9	-	1500	Box	300/25		
	G12 1/2	Cand.	<b>S3846</b>	25G12 1/2	120	Clear	2 3/8	C-7A	180	1500	Box	500/25		
	G12 1/2 Pear	Cand.	<b>S3863</b>	25G12 1/2/W	120	Satin White	2 3/8	C-7A	180	1500	Box	500/25		
			<b>S3751</b>	25G12 1/2/W	120	Satin White	2 3/8	C-7A	202	1500	<b>CD/2</b>	120/10		
	G16 1/2	Cand.	<b>S3822</b>	25G16 1/2	120	Clear	3	C-7A	232	1500	Box	500/25		
			<b>S3727</b>	25G16 1/2	120	Clear	3	C-7A	232	1500	<b>CD/2</b>	120/10		
			<b>S4471</b>	KR25G16 1/2	120	Clear	3	CC-2V	212	2500	Box	500/25		
			<b>A3922</b>	25G16 1/2	130	Clear	3	C-7A	186	2500	Box	500/25		
			<b>S3260</b>	25G16 1/2/W	120	Gloss White	3	C-7A	175	1500	Box	500/25		
			<b>S3825</b>	25G16 1/2/W	120	Satin White	3	C-7A	202	1500	Box	500/25		
			<b>S3753</b>	25G16 1/2/W	120	Satin White	3	C-7A	202	1500	<b>CD/2</b>	120/2		
			<b>A3925</b>	25G16 1/2/W	130	Satin White	3	C-7A	162	2500	Box	500/25		
			<b>S3244</b>	25G16 1/2/SL	120	Silver Crown	3	CC-2V	232	1500	Box	500/25		
			<b>S2973</b> ■	25G16 1/2/MLX	120	Full Spectrum	3	CC-2V	220	2000	<b>CD/1</b>	50/10	3	
			Med.	<b>S3838</b>	25G16 1/2	120	Clear	3 1/4	CC-2V	220	1500	Box	500/25	
			<b>S4538</b>	25G16 1/2	120	Clear	3 1/4	CC-2V	220	1500	<b>CD/1</b>	500/25		
	<b>S3841</b>	25G16 1/2/W	120	Gloss White	3 1/4	CC-2V	180	1500	Box	500/25				
	<b>S4541</b>	25G16 1/2/W	120	Gloss White	3 1/4	CC-2V	180	1500	<b>CD/1</b>	500/25				
	G18 1/2	Med.	<b>S3887</b>	25G18 1/2	120	Clear	3 1/2	C-9	180	1500	Box	250/25		
<b>S3827</b>			25G18 1/2/W	120	Gloss White	3 1/2	C-9	160	1500	Box	250/25			
G25	Med.	<b>S3447</b>	25G25	120	Clear	4 3/8	CC-9	180	3000	Box	72/6			
		<b>A3647</b>	25G25	130	Clear	4 3/8	CC-9	180	3000	Box	72/6			
		<b>S3440</b>	25G25/W	120	Gloss White	4 3/8	CC-9	160	3000	Box	72/6			
		<b>A3640</b>	25G25/W	130	Gloss White	4 3/8	CC-9	160	3000	Box	72/6			
		<b>S3860</b>	25G25/SL	120	Silver Crown	4 3/8	CC-9	150	1500	Box	72/6			
G30	Med.	<b>S3651</b>	25G30	120	Clear	5 1/8	CC-9	180	2500	Box	72/6			
		<b>S3653</b>	25G30/W	120	Gloss White	5 1/8	CC-9	150	2500	Box	72/6			
G40	Med.	<b>S3010</b>	25G40	120	Clear	6 3/4	C-9	120	4000	Box	24/6			
		<b>S3000</b>	25G40/W	120	Gloss White	6 3/4	C-9	110	4000	Box	24/6			
HX10.5	Cand.	<b>S3744</b>	25HX10 1/2	120	Clear	4 15/16	C-7A	175	1500	<b>CD/2</b>	120/12			

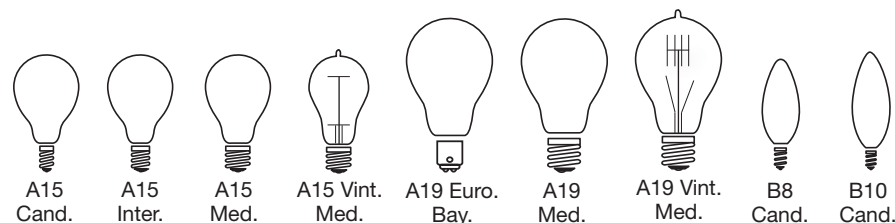
NOTE: When using a 130 Volt lamp on a 120 Volt line, life is extended approximately 2.5 times and lumens are reduced approximately 20%.

# INCANDESCENT



Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Lumens	Avg. Rated Hours	Pkg. Type	Master/ Inner Ctn.	Notes			
<b>25</b>	Pygmy	Euro.	<b>S7940</b>	25T8/120V/E14	120	Clear	2 1/4	C-5A	180	1000	Box	25				
			<b>S7942</b>	25T8/220V/E14	220	Clear	2 1/4	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	<b>CD/1</b>	120/10				
			<b>S3604</b>	25R14	120	Clear	2 5/8	CC-2V	135	1500	Box	500/25				
			<b>S4704</b>	25R14	120	Clear	2 5/8	CC-2V	135	1500	<b>CD/1</b>	120/10				
	R14 Stubby	Med.	<b>S3601</b>	25R14	120	Clear	2 1/4	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 1/2	CC-2V	220	1500	<b>CD/1</b>	120/10				
	<b>S3714</b>	25T6/CL/E12/CD			120	Clear	3 1/8	C-5A	180	2000	<b>CD/1</b>	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	<b>CD/1</b>	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	<b>CD/1</b>	120/10			
				<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	<b>CD/1</b>	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	<b>CD/1</b>	120/10			
				T8	Cand.	<b>S3907</b>	25T8/C	130	Clear	2 5/8	C-5A	190	2500	Sleeve/10	120/10	
						DC Bay.	<b>S3909</b>	25T8/DC	130	Clear	2 5/8	C-5A	190	2500	Sleeve/10	120/10
				<b>S4721</b>	25T8/DC		130	Clear	2 5/8	C-5A	190	2500	<b>CD/1</b>	120/12		
				Inter.	<b>S3908</b>	25T8/N	130	Clear	2 5/8	C-5A	190	2500	Sleeve/10	120/10		
					<b>S4720</b>	25T8/N	130	Clear	2 5/8	C-5A	190	2500	<b>CD/1</b>	120/12		
				T10	Med.	<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	<b>CD/1</b>	120/10					
<b>S3251</b>	25T10/F	120	Frost			5	C-5V	200	2000	Box	500/25					
<b>S3701</b>	25T10/F	120	Frost			5	C-5V	200	2000	<b>CD/1</b>	120/10					
<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				
<b>35</b>	T10	S14S	<b>S4893</b> †	LN35/120V	120	White	11 13/16	C-8	230	1500	Box	25				

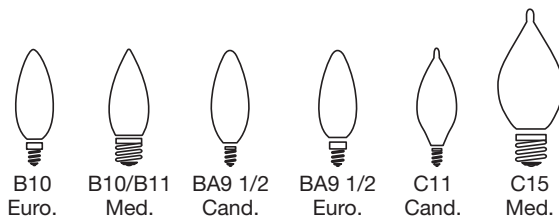
NOTE: When using a 130 Volt lamp on a 120 Volt line, life is extended approximately 2.5 times and lumens are reduced approximately 20%.



Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Ctn.	Notes
<b>40</b>	A15	Cand.	<b>S2740</b>	40A15/CL/E12	120	Clear	3 3/8	C-9	420	1000	<b>CD/2</b>	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	<b>CD/2</b>	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	<b>CD/2</b>	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	<b>CD/2</b>	120/10		
		<b>S4165</b>	40A15/F/E17	130	Frost	3 3/8	C-9	420	1000	Box	500/25		
	Med.	<b>S3720</b>	40A15/CL	130	Clear	3 1/2	C-9	290	2500	<b>CD/1</b>	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	<b>CD/1</b>	240/20		
		<b>S3811</b>	40A15/F	130	Frost	3 1/2	C-9	280	2500	Box	500/25		
	<b>Shatter Proof</b>	<b>S4881</b>	40A15/TF	130	Frost	3 1/2	C-9	265	2500	Box	500/25	4	
		<b>S2424</b>	40A15/CL/11S/120V/Vint.	130	Clear	3 3/8	Cage Style	160	3000	Box	50/10		
	A19	Euro. Bay.	<b>S5030</b>	40A19/F	130	Frost	4 1/8	CC-6	330	2500	Box	120	
			<b>S5040</b>	40A19/F/230V	220	Frost	4 1/8	CC-2F	330	2500	Box	120	
		Med.	<b>S4076</b>	40A19/W/230V	230	White	4 1/8	C-9	327	1000	Box	120	
			<b>S6041</b> †	40A19/CL	120	Clear	4 1/8	C-9	340	1500	2pk	120	
			<b>S8510</b> †	40A19/CL/20M	120	Clear	4 1/8	C-9	280	2000	4Pk	24	
			<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>S6051</b> †	40A19/F	120	Frost	4 1/8	C-9	340	1500	2pk	120	
			<b>S1711</b> †	40A19/F	120	Frost	4 1/8	C-9	340	1500	4pk	48	
			<b>S8509</b> †	40A19/F/20M	120	Frost	4 1/8	C-9	200	2000	4Pk	24	
			<b>S3951</b>	40A19/F/VS	130	Frost	4 1/8	C-9	300	2500	2pk	120	
			<b>S8501</b> †	40A19/F	130	Frost	4 1/8	C-9	280	5000	4Pk	120	
			<b>S1810</b> †	40A19/W	120	White	4 1/8	C-9	280	1500	4pk	48	
			<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</b> ■	40B10/VLX	120	Full Spec.	3 7/8	CC-2V	370	2000	<b>CD/1</b>	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		

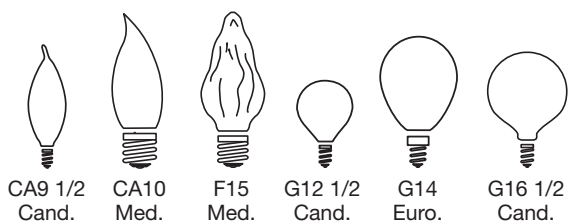
NOTE: When using a 130 Volt lamp on a 120 Volt line, life is extended approximately 2.5 times and lumens are reduced approximately 20%.

# INCANDESCENT



Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Lumens	Avg. Rated Hours	Pkg. Type	Master/ Inner Ctn.	Notes	
<b>40</b>	B10	Euro.	<b>S3394</b>	40B10/220V	220	Clear	3 3/4	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	<b>CD/2</b>	120/10		
			<b>S4469</b>	KR40B11	120	Clear	3 7/8	CC-2V	380	2500	Box	500/25	1	
			<b>A3632</b>	40B11	130	Clear	3 7/8	CC-2V	370	2500	Box	500/25		
			<b>S4740</b>	40B10/FAN	120	Fan Bulb Clear	3 7/8	CC-2V	300	2000	<b>CD/2</b>	120/12		
			<b>S4742</b>	40B10/FAN/F	120	Fan Bulb Frost	3 7/8	CC-2V	300	2000	<b>CD/2</b>	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	<b>CD/2</b>	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	<b>CD/2</b>	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 1/2	CC-2V	384	1500	Box	500/25	
				<b>S3783</b>	40BA9 1/2	120	Clear	3 1/2	CC-2V	384	1500	<b>CD/2</b>	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 1/2	CC-2V	384	2500	Box	500/25	
				<b>S3286</b>	40BA9 1/2/F	120	Frost	3 1/2	CC-2V	384	1500	Box	500/25	
				<b>S3786</b>	40BA9 1/2/F	120	Frost	3 1/2	CC-2V	384	1500	<b>CD/2</b>	120/10	
				<b>A3686</b>	40BA9 1/2/F	130	Frost	3 1/2	CC-2V	384	2500	Box	500/25	
				<b>S3289</b>	40BA9 1/2/W	120	White	3 1/2	CC-2V	328	1500	Box	500/25	
				<b>S3789</b>	40BA9 1/2/W	120	White	3 1/2	CC-2V	328	1500	<b>CD/2</b>	120/10	
				<b>A3689</b>	40BA9 1/2/W	130	White	3 1/2	CC-2V	328	2500	Box	500/25	
				<b>S3725</b>	40BA9 1/2/DIA	120	Crystal	3 7/8	CC-2V	370	1500	<b>CD/2</b>	120/10	
				<b>S3818</b>	40BA9 1/2/A	120	Trans. Amber	3 1/2	CC-2V	-	1500	Box	500/25	
			Euro.	<b>S3391</b>	40BA9 1/2	120	Clear	3 1/2	CC-2V	370	1500	Box	500/25	
				<b>S4712</b>	40BA9 1/2	120	Clear	3 1/2	CC-2V	370	1500	<b>CD/2</b>	120/10	
			<b>S3381</b>	40BA9 1/2/F	120	Frost	3 1/2	CC-2V	370	1500	Box	500/25		
			<b>S4715</b>	40BA9 1/2/F	120	Frost	3 1/2	CC-2V	370	1500	<b>CD/2</b>	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	<b>CD/1</b>	120/12		
	C15	Med.	<b>S3414</b>	40C15	120	Satin Spun	4 1/2	C-7A	316	4000	Box	300/25		
			<b>S2714</b>	40C15	120	Satin Spun	4 1/2	C-7A	316	4000	<b>CD/1</b>	120/12		
			<b>S3416</b>	40C15/A	120	Amber Spun	4 1/2	C-7A	-	4000	Box	300/25		
			<b>S2716</b>	40C15/A	120	Amber Spun	4 1/2	C-7A	-	4000	<b>CD/1</b>	120/12		

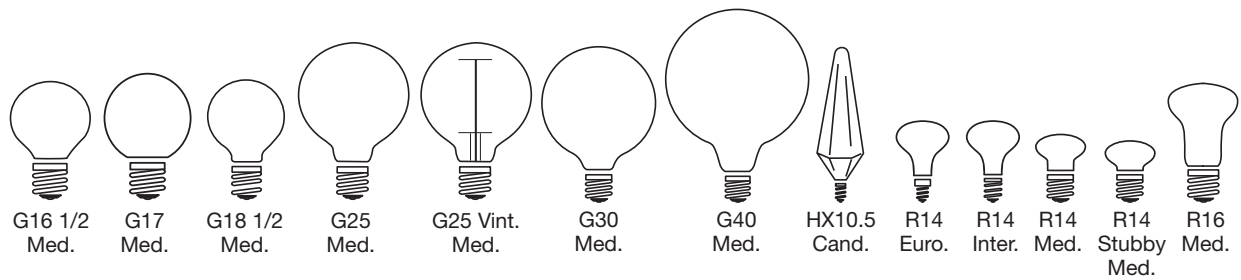
NOTE: When using a 130 Volt lamp on a 120 Volt line, life is extended approximately 2.5 times and lumens are reduced approximately 20%.



Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Ctn.	Notes		
<b>40</b>	CA9 1/2	Cand.	<b>S3275</b>	40CA9 1/2	120	Clear	3 7/8	CC-2V	370	1500	Box	500/25			
			<b>S3775</b>	40CA9 1/2	120	Clear	3 7/8	CC-2V	370	1500	<b>CD/2</b>	120/10			
			<b>S4466</b>	KR40CA9 1/2	120	Clear	3 15/16	CC-2V	380	2500	Box	500/25	1		
			<b>A3675</b>	40CA9 1/2	130	Clear	3 15/16	CC-2V	370	2500	Box	500/25			
			<b>S3279</b>	40CA9 1/2/F	120	Frost	3 15/16	CC-2V	384	1500	Box	500/25			
			<b>S3779</b>	40CA9 1/2/F	120	Frost	3 15/16	CC-2V	384	1500	<b>CD/2</b>	120/10			
			<b>A3679</b>	40CA9 1/2/F	130	Frost	3 15/16	CC-2V	350	2500	Box	500/25			
	CA10	Med.	<b>S3265</b>	40CA10	120	Clear	4 1/4	CC-2V	370	1500	Box	500/25			
			<b>S3765†</b>	40CA10	120	Clear	4 1/4	CC-2V	370	1500	<b>CD/2</b>	120/10			
			<b>A3665</b>	40CA10	130	Clear	4 1/4	CC-2V	360	2500	Box	500/25			
			<b>S3268</b>	40CA10/F	120	Frost	4 1/4	CC-2V	360	1500	Box	500/25			
			<b>S3768</b>	40CA10/F	120	Frost	4 1/4	CC-2V	360	1500	<b>CD/2</b>	120/10			
			<b>A3668</b>	40CA10/F	130	Frost	4 1/4	CC-2V	360	2500	Box	500/25			
	F15	Med.	<b>S3367</b>	40F15	120	Clear	4 1/2	CC-9	350	1500	Box	300/25			
			<b>S2767</b>	40F15	120	Clear	4 1/2	CC-9	350	1500	<b>CD/2</b>	120/12			
			<b>S2768</b>	40F15/W	120	White	4 1/2	CC-9	320	1500	<b>CD/2</b>	120/12			
			<b>S3368</b>	40F15/W	120	White	4 1/2	CC-9	320	1500	Box	300/25			
			<b>S3369</b>	40F15/AU	120	Aurora	4 1/2	CC-9	335	1500	Box	300/25			
			<b>S2769</b>	40F15/AU	120	Aurora	4 1/2	CC-9	335	1500	<b>CD/2</b>	120/12			
			<b>S3370</b>	40F15/A	120	Amber	4 1/2	CC-9	-	1500	Box	300/25			
	G12 1/2	Cand.	<b>S3847</b>	40G12 1/2	120	Clear	2 3/8	C-7A	370	1500	Box	500/25			
			G14	Euro.	<b>S3397</b>	40G14	130	Clear	3 1/8	CC-9	370	1500	Box	500/25	
					<b>S4707</b>	40G14	130	Clear	3 1/8	CC-9	370	1500	<b>CD/2</b>	120/10	
					<b>S3398</b>	40G14/W	130	Gloss White	3 1/8	CC-9	330	1500	Box	500/25	
					<b>S4708</b>	40G14/W	130	Gloss White	3 1/8	CC-9	330	1500	<b>CD/2</b>	120/10	
	G16 1/2	Cand.	<b>S3823</b>	40G16 1/2	120	Clear	3	CC-2V	384	1500	Box	500/25			
			<b>S3728</b>	40G16 1/2	120	Clear	3	CC-2V	384	1500	<b>CD/2</b>	120/10			
			<b>S4472</b>	KR40G16 1/2	120	Clear	3	CC-2V	380	2500	Box	500/25			
			<b>A3923</b>	40G16 1/2	130	Clear	3	CC-2V	360	2500	Box	500/25			
			<b>S3754</b>	40G16 1/2/W	120	Satin White	3	CC-2V	348	1500	<b>CD/2</b>	120/10			
<b>S3826</b>			40G16 1/2/W	120	Satin White	3	CC-2V	348	1500	Box	500/25				
<b>A3926</b>			40G16 1/2/W	130	Satin White	3	CC-2V	325	2500	Box	500/25				
<b>S3261</b>			40G16 1/2/W	120	Gloss White	3	CC-2V	348	1500	Box	500/25				
<b>S2974 ■</b>			40G16 1/2/VLX	120	Full Spectrum	3	CC-2V	370	2000	<b>CD/1</b>	50/10	3			
<b>S3245</b>			40G16 1/2/SL	120	Silver Crown	3	CC-2V	384	1500	Box	500/25				

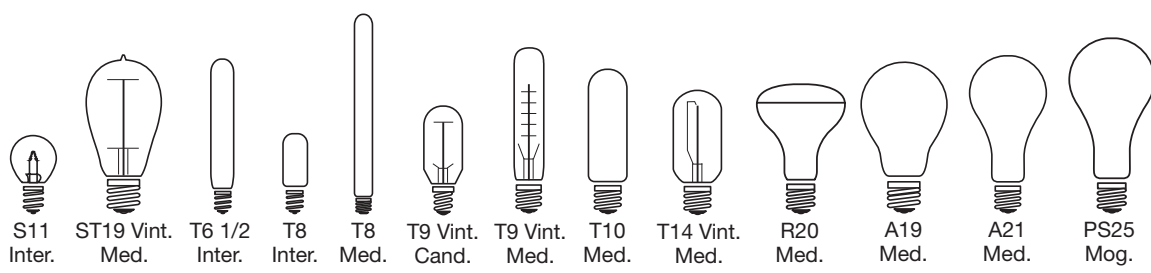
NOTE: When using a 130 Volt lamp on a 120 Volt line, life is extended approximately 2.5 times and lumens are reduced approximately 20%.

# INCANDESCENT



Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Ctn.	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	<b>CD/1</b>	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	<b>CD/1</b>	500/25	
	G17	Med.	<b>S3967</b>	40G17/IF	130	Frost	2 5/8	CC-9	348	1000	Box	500/25	
			<b>S4709</b>	40G17/IF	130	Frost	2 5/8	CC-9	348	1000	<b>CD/1</b>	120/10	
			<b>S3968</b>	40G17/W	130	Gloss White	2 5/8	CC-9	348	1000	Box	500/25	
			<b>S4710</b>	40G17/W	130	Gloss White	2 5/8	CC-9	348	1000	<b>CD/1</b>	120/10	
	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-9	360	3000	Box	72/6	
			<b>A4148</b>	40G25/3PK	130	Clear	4 3/8	CC-9	360	3000	3pk	40/3	
			<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-9	320	3000	Box	72/6	
			<b>S4041</b>	40G25/W/3PK	120	Gloss White	4 3/8	CC-9	320	3000	3pk	40/3	
			<b>A3641</b>	40G25/W	130	Gloss White	4 3/8	CC-9	320	3000	Box	72/6	
			<b>A4141</b>	40G25/W/3PK	130	Gloss White	4 3/8	CC-9	320	3000	3pk	40/3	
			<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>S4815</b>	40G25/VLX	120	Full Spectrum	4 3/8	C-9	320	5000	Box	50/10	3
	<b>S3861</b>	40G25/SL	120	Silver Crown	4 3/8	CC-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	6 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	<b>CD/2</b>	120/12	
			<b>S3396</b>	40R14/E14	130	Clear	2 5/8	CC-2V	280	1500	Box	500/25	
		Euro.	<b>S4706</b>	40R14/E14	130	Frost	2 5/8	CC-2V	280	1500	<b>CD/1</b>	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	<b>CD/1</b>	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	<b>CD/1</b>	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
<b>S4702</b>		40R16			120	Frost	3 7/16	C-9	330	1500	<b>CD/1</b>	120/10	

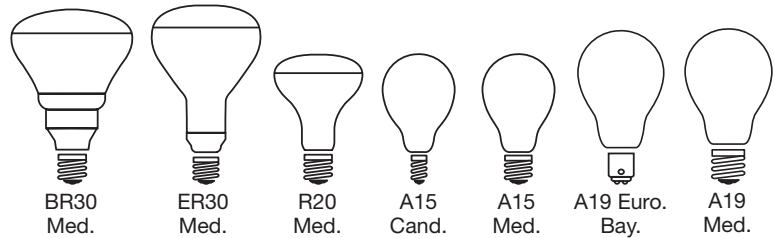
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Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Lumens	Avg. Rated Hours	Pkg. Type	Master/ Inner Ctn.	Notes
<b>40</b>	S11	Inter.	<b>S3629</b>	40S11/N	-	Clear	2 3/8	CC-2V	370	1500	Box	600/10	
			<b>S3729</b>	40S11/N	-	Clear	2 3/8	CC-2V	370	1500	<b>CD/1</b>	240/20	
	ST19	Med.	<b>S2413</b>	40ST19/CL/15S/120V/int.	120	Clear	5 1/4	Hairpin	160	3000	Box	48/6	
			<b>S2414</b>	40ST19/CL/9S/120V/int.	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	<b>CD/1</b>	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	<b>CD/1</b>	120/10	
	T8	Inter.	<b>S3917</b>	40T8N	130	Clear	2 5/8	CC-2V	360	2000	<b>CD/1</b>	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/int.	120	Clear Gold	3 1/2	Cage Style	160	3000	Box	50/10	
			<b>S2421</b>	40T9/CL/12S/120V/int.	120	Clear	7 5/16	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	<b>CD/1</b>	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	<b>CD/1</b>	120/10	
	T14	Med.	<b>S2417</b>	40T14/CL/15S/120V/int.	120	Clear	4 5/16	Cage Style	160	3000	Box	50/10	
			<b>S2416</b>	40T14/CL/32S/120V/int.	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%.

# INCANDESCENT



Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Ctn.	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		
	R20	Med.	<b>S4886</b>	50R20/TF	120	Frost	4	CC-9	300	2000	Sleeve	96/12	4	
	<b>Shatter Proof</b>			<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>52</b>	A19	Med.	<b>S4991</b> †▲	60A/52/SS	130	Frost	4 7/16	CC-8	740	1500	4pk	48		
<b>60</b>	A15	Cand.	<b>S4162</b>	60A15/CL/E12	130	Clear	3 3/8	C-9	700	1000	Box	500/25		
				<b>S2742</b>	60A15/CL/E12S	120	Clear	3 3/8	C-9	700	1000	<b>CD/2</b>	120/10	
				<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	<b>CD/2</b>	120/10	
			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	<b>CD/1</b>	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	<b>CD/1</b>	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	Euro. Bay.	<b>S5031</b>	60A19/F	130	Frost	4 1/8	CC-6	630	2500	Box	120		
				<b>S5041</b>	60A19/F/230V	230	Frost	4 1/8	CC-2F	630	2500	Box	120	
			Med.	<b>S4077</b>	60A19/W/230V	230	White	4 1/8	C-9	570	1000	Box	120	
				<b>S6042</b> †	60A19/CL	120	Clear	4 1/8	C-9	610	1500	2pk	120	
				<b>S3942</b>	60A19/CL/VS	130	Clear	4 1/8	C-9	580	2500	2pk	120	
				<b>S8504</b> †	60A19/CL	130	Clear	4 1/8	C-9	540	5000	4Pk	120	
				<b>S1712</b> †	60A19/F	120	Frost	4 1/8	C-9	610	1500	4pk	48	
				<b>S6052</b> †	60A19/F	120	Frost	4 1/8	C-9	610	1500	2pk	120	
			<b>S8511</b> †	60A19/F/20M	120	Frost	4 1/8	C-9	480	20000	4Pk	24		
			<b>S8512</b> †	60A19/F/20M	120	Frost	4 1/8	C-9	440	20000	4Pk	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%.





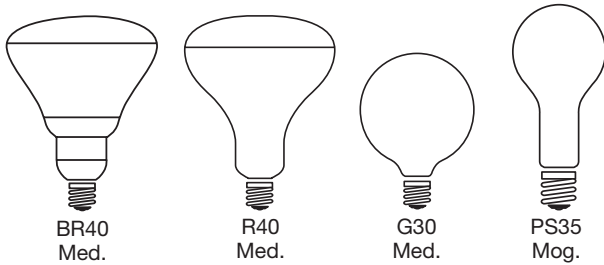












Watts	Bulb Type	Base	Satco Product #	Lamp Code	Volts	Finish	M.O.L. Inches	Filament	Lumens	Avg. Rated Hours	Pkg. Type	Master/Inner Ctn.	Notes
<b>375</b>	R40	Med.	<b>S7012</b>	375R40/TF	120	Clear Heat	7 5/8	C-11	-	5000	Box	12	4
	<b>Shatter Proof</b>												
	R40	Med.	<b>S4366</b>	375R40/1	120	Clear Heat	7 5/8	C-11	-	5000	Box	12	
<b>400</b>	BR40	Med.	<b>S7006</b>	400BR40FL/POOL	120	Frost	6 1/2	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 1/2	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>S2989 ▲</b>	500PS35/IF	130	Frost	9 3/8	CC-8	1000	1000	Sleeve	24	
	<b>Shatter Proof 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, eYtrain, 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.

# HID LAMPS

**The largest**



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.

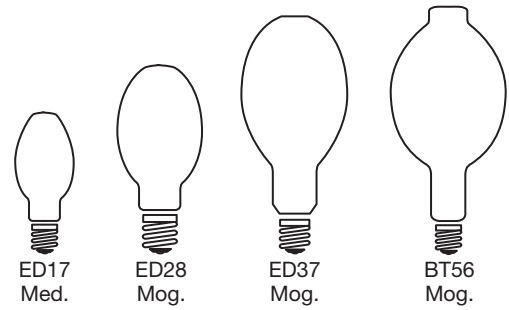


## lighting problems, solved.

### 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)

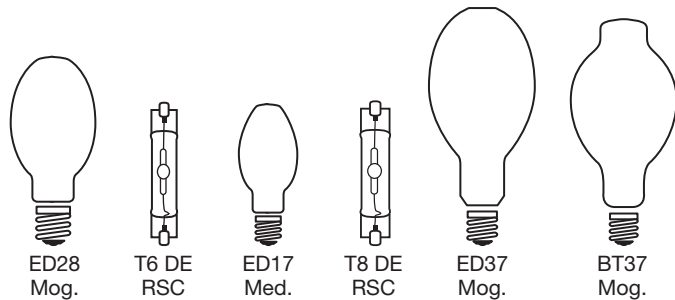
Watts	Bulb Type	Base	Satco Product #	Lamp Code	Finish	Pulse Start	Open Rated	ANSI Code	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Burning Position	M.O.L. Inches	Ctn.
50	ED17	Med.	<b>S5854</b>	MP50/ED17/U/PS	Clear	Y	Y	M110/O	4000	65	6000	3800	Univ.	5 7/16	12
			<b>S4847</b>	MP50/C/ED17/U/PS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

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

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

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Finish	Pulse Start	Open Rated	ANSI Code	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Burning Position	M.O.L. Inches	Ctn.
200	ED28	Mog.	<b>S5881</b>	MP200/ED28/PS/BU/4K	Clear	Y	Y	M136/O	4200	65	15000	20000	BU+/- 15	8 5/16	12
250	ED28	Mog.	<b>S5882</b>	MP250/ED28/PS/BU/4K	Clear	Y	Y	M153/O	4200	65	15000	23500	BU+/-15	8 5/16	12
320	ED28	Mog.	<b>S5883</b>	MP320/ED28/PS/BU/4K	Clear	Y	Y	M154/O	4200	65	20000	31000	BU+/-15	8 5/16	12
			<b>S4254</b>	MP320/C/ED28/PS/BU	Coated	Y	Y	M154/O	3700	70	20000	29000	BU+/-15	8 5/16	12
350	ED37	Mog.	<b>S4256</b>	MP350/ED37/V/UVS/UPS/4K/EX39	Clear	Y	Y	M131/O	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/O	3700	70	20000	33000	Vert+/-15	11 1/2	12
400	ED37	Mog.	<b>S4259</b>	MP400/ED37/C/BU/UVS/UPS/4K/EX39	Coated	Y	Y	M155/O	3700	70	20000	40000	BU+/-15	11 1/2	12
			<b>S5884</b>	MP400/ED37/PS/BU/4K	Clear	Y	Y	M155/O	4200	65	20000	42000	BU+/-15	11 1/2	12
1000	BT56	Mog.	<b>S7882</b>	MP1000/BT56/PS/BU/4K/EX39	Clear	Y	Y	M141/O	4200	68	12000	105000	BU+/-15	15 3/8	12

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



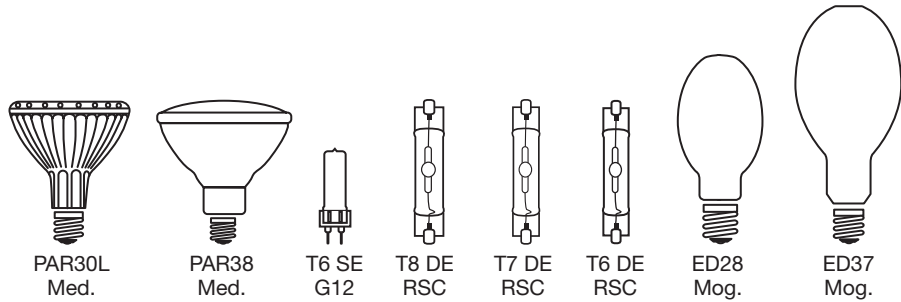
## Metal Halide Lamps – Pulse Start\*

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Finish	Pulse Start	Open Rated	ANSI Code	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Burning Position	M.O.L. Inches	Ctn.
70	ED28	Mog.	<b>S5830</b>	MH70/ED28/U/4K	Clear	Y	N	M98/E	4200	65	15000	5600	Univ.	8 <sup>5</sup> / <sub>16</sub>	12
	T6 DE	RSC	<b>S4864</b> ■	MH-DE70/42K	Clear	Y	N	M85/E	4200	65	10000	5500	HOR+/-15	4 <sup>9</sup> / <sub>16</sub>	25
100	ED28	Mog.	<b>S5821</b>	MH100/ED28/PS	Clear	Y	N	M90/E	4200	65	15000	8500	Univ.	8 <sup>5</sup> / <sub>16</sub>	12
125	ED28	Mog.	<b>S5822</b>	MH125/ED28/PS/HBU/4K	Clear	Y	N	M150/E	4200	65	15000	12000	Univ.	8 <sup>5</sup> / <sub>16</sub>	12
150	ED28	Mog.	<b>S5834</b>	MH150/ED28/U/4K	Clear	Y	N	M102/E	4200	65	15000	12000	Univ.	8 <sup>5</sup> / <sub>16</sub>	12
	T8 DE	RSC	<b>S4866</b> ■	MH-DE150/3K	Clear	Y	N	M81/E	3000	70	10000	12500	HOR+/-15	5 <sup>7</sup> / <sub>16</sub>	12
			<b>S4867</b> ■	MH-DE150/42K	Clear	Y	N	M81/E	4200	65	10000	12000	HOR+/-15	5 <sup>7</sup> / <sub>16</sub>	25
175	ED17	Med.	<b>S4235</b>	MS175/C/BU/UPS/ED17/4K/E26	Coated	Y	N	M152/E	3700	70	15000	16600	BU+/-15	5 <sup>7</sup> / <sub>16</sub>	12
	ED28	Mog.	<b>S5824</b>	MS175/ED28/PS/BU/4K	Clear	Y	N	M152/E	4200	65	16000	17000	Univ.	8 <sup>5</sup> / <sub>16</sub>	12
			<b>S4237</b>	MS175/C/BU/UPS/ED28/4K/E39	Coated	Y	N	M152/E	3700	70	16000	16600	BU+/-15	8 <sup>5</sup> / <sub>16</sub>	12
200	ED28	Mog.	<b>S5838</b>	MS200/ED28/PS/U/4K	Clear	Y	N	M136/E	4200	65	15000	19000	Univ.	8 <sup>5</sup> / <sub>16</sub>	12
250	ED28	Mog.	<b>S5839</b>	MS250/ED28/PS/U/4K	Clear	Y	N	M153/E	4000	65	15000	25000	Univ.	8 <sup>5</sup> / <sub>16</sub>	12
320	ED28	Mog.	<b>S5841</b>	MS320/ED28/PS/U/4K	Clear	Y	N	M154/E	4200	65	20000	33000	Univ.	8 <sup>5</sup> / <sub>16</sub>	12
			<b>S4242</b>	MS320W/ED28/C/UPS/V/4K/E39	Coated	Y	N	M154/E	3700	70	20000	32000	Vert+/-15	8 <sup>5</sup> / <sub>16</sub>	12
350	ED28	Mog.	<b>S5825</b>	MS350/ED28/PS/U/4K	Clear	Y	N	M131/E	4200	65	20000	37000	Univ.	8 <sup>5</sup> / <sub>16</sub>	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 <sup>1</sup> / <sub>2</sub>	12
400	ED37	Mog.	<b>S4246</b>	MS400W/ED37/C/UPS/V/4K/E39	Coated	Y	N	M155/E	3700	70	20000	42000	Vert+/-15	11 <sup>1</sup> / <sub>2</sub>	12
	ED28	Mog.	<b>S5878</b>	MS400/ED28/PS/U/4K	Clear	Y	N	M155/E	4200	65	20000	44000	Univ.	8 <sup>5</sup> / <sub>16</sub>	12
			<b>S4248</b>	MS400W/ED28/C/UPS/V/4K/E39	Coated	Y	N	M155/E	3700	70	20000	42000	Vert+/-15	8 <sup>5</sup> / <sub>16</sub>	12
750	BT37	Mog.	<b>S4390</b> ▲	MS750/PS/BU-HOR/BT37	Clear	Y	N	M149/E	4000	65	16000	80000	BU+/-90	11 <sup>1</sup> / <sub>2</sub>	6
1000	BT37	Mog.	<b>S4391</b>	MS1000/BU/BT37/PS/4K/E39	Clear	Y	N	M141/E	4000	65	12000	115000	BU+/-15	11 <sup>1</sup> / <sub>2</sub>	12

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







## Metal Halide Lamps – Ceramic (continued)

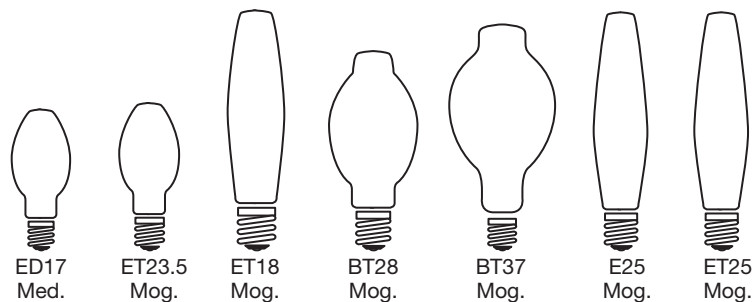
Watts	Bulb Type	Base	Satco Product #	Lamp Code	Finish	Pulse Start	Open Rated	ANSI Code	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Burning Position	M.O.L. Inches	Ctn.
70	PAR30	Med.	<b>S4878</b> ▲	CDM70/PAR30L/M/SP	Clear	Y	Y	M143/M96/O	3000	83	9000	68000†	Univ.	4 3/4	12
			<b>S4879</b> ▲	CDM70/PAR30L/M/FL	Clear	Y	Y	M143/M96/O	3000	83	9000	10000†	Univ.	4 3/4	12
	PAR38	Med.	<b>S4897</b> ▲	CDM70/PAR38/SP/3K	Clear	Y	Y	M143/M96/O	3000	82	10000	50000†	Univ.	5 5/16	12
			<b>S4812</b> ▲	CDM70/PAR38/SP/4K	Clear	Y	Y	M143/M96/O	4000	92	10000	42000†	Univ.	5 5/16	12
			<b>S4898</b> ▲	CDM70/PAR38/FL/3K	Clear	Y	Y	M143/M96/O	3000	82	10000	18000†	Univ.	5 5/16	12
			<b>S4813</b> ▲	CDM70/PAR38/FL/4K	Clear	Y	Y	M143/M96/O	4000	92	10000	16000†	Univ.	5 5/16	12
100	PAR38	Med.	<b>S4888</b> ▲	CDM100/PAR38/SP/3K	Clear	Y	Y	M140/M90/O	3000	85	12500	70000†	Univ.	5 5/16	12
			<b>S4814</b> ▲	CDM100/PAR38/SP/4K	Clear	Y	Y	M140/M90/O	4000	93	10000	25000†	Univ.	5 5/16	12
			<b>S4889</b> ▲	CDM100/PAR38/FL/3K	Clear	Y	Y	M140/M90/O	3000	86	12500	54000†	Univ.	5 5/16	12
			<b>S4869</b> ▲	CDM100/PAR38/FL/4K	Clear	Y	Y	M140/M90/O	4000	93	10000	54000†	Univ.	5 5/16	12
150	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
			<b>S4267</b> ▲	CDM150/TD/942	Clear	Y	N	M142/M81/M102/E	4200	96	15000	14200	HOR+/-15	5 7/16	12

## Metal Halide Lamps – Double Ended

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

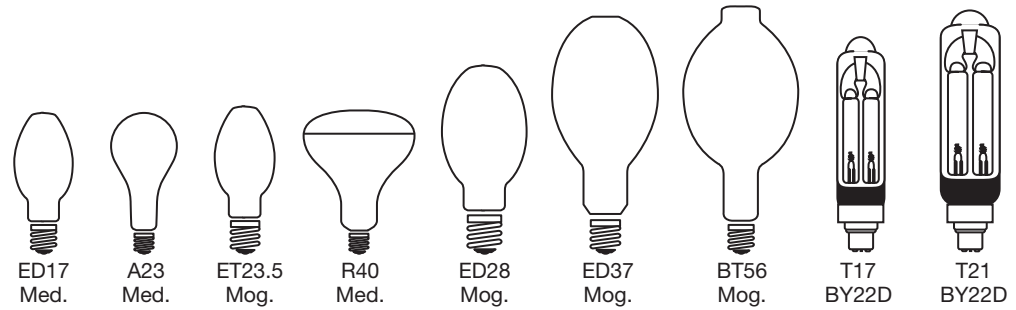
## Metal Halide Lamps – Retrofit for High Pressure Sodium (HPS) Fixtures

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Finish	Pulse Start	Open Rated	ANSI Code	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Burning Position	M.O.L. Inches	Ctn.
250	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
400	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 1/2	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 1/2	12



## High Pressure Sodium (HPS) Lamps

Watts	Type	Bulb Base	Product #	Satco Lamp Code	Finish	ANSI Code	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	Burning Position	M.O.L. Inches	Ctn.
35	ED17 Med.		<b>S3130</b>	LU35/MED	Clear	S76	2100	22	16000	16000	Univ.	5 7/16	12
			<b>S5120</b> ▲	LU35/D/MED	Coated	S76	2100	22	16000	16000	–	5 7/16	20
50	ED17 Med.		<b>S3131</b>	LU50/MED	Clear	S68	2100	22	24000	24000	Univ.	5 7/16	12
	ET23.5 Mog.		<b>S1929</b>	LU50	Clear	S68	2100	22	24000	24000	Univ.	7 3/4	12
70	ED17 Med.		<b>S3127</b>	LU70/MED	Clear	S62	2100	22	24000	24000	Univ.	5 7/16	12
			<b>S5123</b> ▲	LU70/D/MED	Coated	S62	2100	22	24000	24000	–	5 7/16	20
	ET23.5 Mog.		<b>S1930</b>	LU70	Clear	S62	2100	22	24000	24000	Univ.	7 3/4	12
100	ED17 Med.		<b>S3128</b>	LU100/MED	Clear	S54	2100	22	24000	24000	Univ.	5 7/16	12
	ET23.5 Mog.		<b>S1931</b>	LU100	Clear	S54	2100	22	24000	24000	Univ.	7 3/4	12
			<b>S5126</b> ▲	LU100/D	Coated	S54	2100	22	24000	24000	–	7 3/4	20
150	ED17 Med.		<b>S3129</b>	LU150/55/MED	Clear	S55	2100	22	24000	16000	Univ.	5 7/16	12
	ET23.5 Mog.		<b>S5127</b> ▲	LU150/55/D/MED	Coated	S55	2100	22	24000	14500	–	5 11/16	20
			<b>S1932</b>	LU150/55	Clear	S55	2100	22	24000	16000	–	7 3/4	12
			<b>S5128</b> ▲	LU150/55/D	Coated	S55	2100	22	24000	14000	–	7 3/4	–
200	ET18 Mog.		<b>S1927</b>	LU200/ET18	Clear	S66	2100	22	24000	22000	Univ.	9 11/16	12
250	ET18 Mog.		<b>S1940</b>	LU250	Clear	S50	2100	22	24000	28000	–	9 5/8	12
	BT28 Mog.		<b>S5130</b> ▲	LU250/D	Coated	S50	2100	22	24000	26000	–	8 15/16	10
310	ET18 Mog.		<b>S5131</b> ▲	LU310/ECO	Clear	S67	2100	22	24000	37000	–	9 5/8	20
400	ET18 Mog.		<b>S1941</b>	LU400	Clear	S51	2100	22	24000	51000	–	9 5/8	12
750	BT37 Mog.		<b>S5133</b> ▲	LU750	Clear	S111	2100	22	24000	105000	–	11 1/2	6
1000	E25 Mog.		<b>S5124</b> ▲	LU1000	Clear	S52	2100	22	24000	130000	–	15 5/8	6
	ET25 Mog.		<b>S1928</b>	LU1000/ET25	Clear	S52	2100	22	24000	130000	Univ.	15 5/8	12



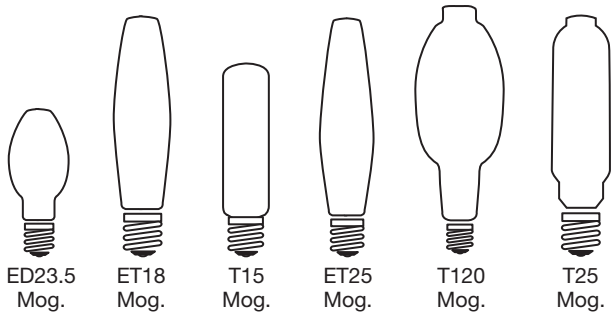
## Mercury Vapor Lamps

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Finish	ANSI Code	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	Ctn.
<b>75</b>	ED17	Med.	<b>S4475</b>	H43AV-75DX	Coated	H43	3900	50	24000	2700	5 7/16	12
<b>100</b>	A23	Med.	<b>S1933</b>	H38MP-100DX	Coated	H38	3900	50	24000	4000	5 7/16	12
	ED17	Med.	<b>S4377</b>	H38AV-100DX	Coated	H38	3900	50	24000	4000	5 7/16	20
	ET23.5	Mog.	<b>S1935</b>	H38JA-100DX	Coated	H38	3900	50	24000	4000	7 1/2	12
	R40	Med.	<b>S4378</b> ■	H38BP-100DX	Coated	H38	3900	50	24000	2450	7 1/2	12
<b>175</b>	ED28	Mog.	<b>S1934</b>	H39KC-175DX	Coated	H39	3900	50	24000	7800	8 1/4	12
			<b>S1936</b>	H39KB-175	Clear	H39	4500	20	24000	7800	8 1/4	12
	R40	Med.	<b>S4394</b>	H39BP-175DX	Coated	H39	3900	50	24000	5700	7 1/2	12
<b>250</b>	ED28	Mog.	<b>S1937</b>	H37KC-250DX	Coated	H37	3900	50	24000	11200	8 1/4	12
			<b>S4395</b> ▲	H37KB-250	Clear	H37	4500	20	24000	12100	8 5/16	12
<b>400</b>	ED37	Mog.	<b>S1938</b>	H33GL-400DX	Coated	H33	3900	50	24000	22600	11 5/16	12
	ED28	Mog.	<b>S1939</b>	MV400/DX/ED28/H33/E39	Coated	H33	3900	50	24000	22600	8 5/16	12
<b>1000</b>	BT56	Mog.	<b>S4396</b> ■	H36GW-1000DX	Coated	H36	3900	50	24000	58000	15 3/8	6
			<b>S1998</b>	H36GW-1000DX	Coated	H36	3900	50	24000	58000	15 3/8	6

## SOX Low Pressure Sodium Lamps

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Finish	ANSI Code	Color Kelvin Temp.	Avg. Rated Hours	Initial Lumens	Burning Position	M.O.L. Inches	Ctn.
<b>18</b>	T17	BY22D	<b>S4870</b> ▲	SOX18	Clear	L69	1800	16000	1800	BU +/- 110	8 1/2	12
<b>35</b>	T17	BY22D	<b>S4871</b> ▲	SOX35	Clear	L70	1800	16000	4500	BU +/- 110	12 1/4	12
<b>55</b>	T17	BY22D	<b>S4872</b> ▲	SOX55	Clear	L71	1800	16000	7300	BU +/- 110	16 3/4	12
<b>90</b>	T21	BY22D	<b>S4873</b> ▲	SOX90	Clear	L72	1800	16000	13500	HOR +/- 20	20 13/16	12
<b>135</b>	T21	BY22D	<b>S4874</b> ▲	SOX135	Clear	L73	1800	16000	22000	HOR +/- 20	30 1/2	12
<b>180</b>	T21	BY22D	<b>S4875</b> ▲	SOX180	Clear	L74RF	1800	16000	30000	HOR +/- 20	44 15/16	6





**NOTE:** Compatible ballasts are on pages 152-155.

## Hydroponic Lamps – High Pressure Sodium

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Finish	ANSI Code	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	Ctn.
<b>150</b>	ED23.5	Mog.	<b>S5901</b>	LU150/ED23.5/HO	Clear	S55	2000	20	24000	16000	7 3/4	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 1/16	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 Arctube

Watts	Bulb Type	Base	Satco Product #	Lamp Code	Finish	ANSI Code	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	Ctn.
<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 Product #	Lamp Code	Finish	ANSI Code	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	Ctn.
<b>400</b>	T15	Mog.	<b>S5907</b>	MS400/7500	Clear	M59/E	7500	65	10000	32000	9 3/4	24
			<b>S5908</b>	MS400/10000	Clear	M59/E	10000	85	10000	23000	9 3/4	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 Product #	Lamp Code	Finish	ANSI Code	Color Kelvin Temp.	CRI	Avg. Rated Hours	Initial Lumens	M.O.L. Inches	Ctn.
<b>600</b>	T25	Mog.	<b>S5911</b>	MH600/LU	Clear	S106	6500	65	10000	45000	11 1/2	24
<b>1000</b>	T120	Mog.	<b>S5912</b>	MH1000/LU	Clear	S52	6500	65	10000	92000	15 3/8	12

## 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."

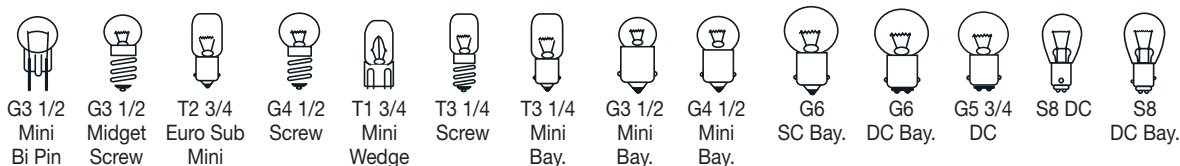
# MINIATURES & SEALED BEAMS

**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.

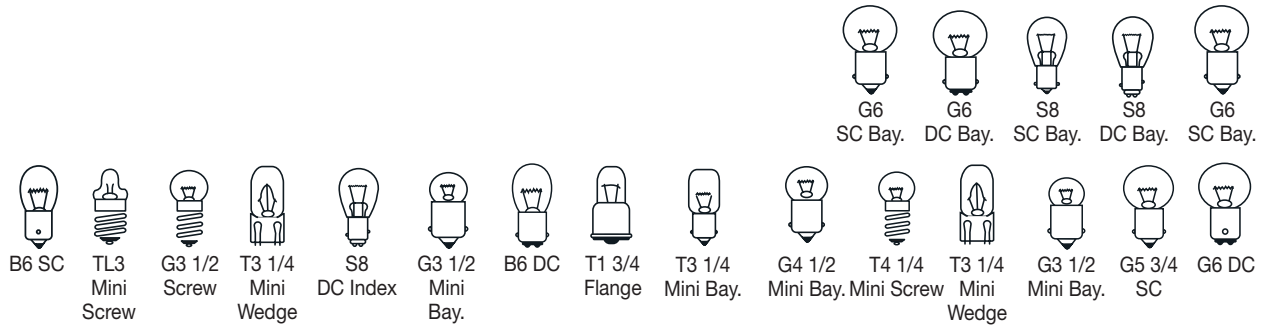




## Mini Lamps

Satco Prod. #	Lamp Code	Lamp Shape	Lamp Base	ANSI Base	Volts	Amps	MSCP	Approx. Watts	Filament	M.O.L. Inches	M.O.D. Inches	Avg. Rated Hours	Pkg. Type	Ctn.
S6929	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
S6930	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
S6931	14	G3 1/2	Mini Screw	E10	2.47	0.3	0.5	0.074	C-2R	15/16	7/16	15	Box	10
S6932	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
S7019	24	T2 3/4	Euro Sub Mini Wedge	W2x4.6d	14.0	0.24	0.5	3.4	C-2V	13/16	3/8	1500	Box	10
S7020	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
S7021	31	G4 1/2	Mini Screw	E10	6.15	0.3	2.0	1.85	C-2R	1 5/8	9/16	15	Box	10
S7022	37	T1 3/4	Sub Mini Wedge	W2.1x4.9d	14.0	0.1	-	1.4	C-2F	13/16	1/4	500	Box	10
S6908	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
S6909	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
S7023	43	T3 1/4	Mini Bay.	BA9s	2.5	0.5	-	1.25	C-2R	1 3/16	7/16	3000	Box	10
S6910	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
S7024	45	T3 1/4	Mini Bay.	BA9s	3.2	0.35	-	1.12	C-2R	1 1/4	7/16	3000	Box	10
S6911	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
S6912	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
S6913	48	T3 1/4	Mini Screw	E10	2.0	0.06	0.04	0.12	C-6	1 3/16	7/16	1000	Box	10
S7025	49	T3 1/4	Mini Bay.	BA9s	2.0	0.06	-	2.0	S2R	1 1/4	7/16	1000	Box	10
S6933	51	G3 1/2	Mini Bay.	BA9s	7.5	0.22	1.0	1.65	C-2R	1 3/16	7/16	1000	Box	10
S7026	52	G3 1/2	Midget Screw	E5.5	14.4	0.1	-	1.44	C-2V	15/16	7/16	1000	Box	10
S6934	53	G3 1/2	Mini Bay.	BA9s	14.4	0.12	1.0	1.73	C-2V	15/16	7/16	1000	Box	10
S7835	55	G4 1/2	Mini Bay.	BA9s	7.0	0.41	2.0	2.87	C-2R	1 5/8	9/16	200	Box	10
S6935	57	G4 1/2	Mini Bay.	BA9s	14.0	0.24	2.0	3.36	C-2V	1 5/8	9/16	500	Box	10
S6946	63	G6	Bi Pin G6	G6	7.0	0.63	3.0	4.41	C-6	1 7/16	3/4	1000	Box	10
S7028	63	G6	Single Contact	BA15s	7.0	0.6	3.0	4.2	C-2R	1 7/16	3/4	1000	Box	10
S7865	64	G6	Bi Pin G6	G6	7.0	0.63	3.0	4.41	C-6	1 7/16	3/4	1000	Box	10
S6947	67	G6	Bi Pin G6	G6	13.5	0.59	4.0	7.97	C-6	1 7/16	3/4	5000	Box	10
S7029	68	G6	Bi Pin G6	G6	13.5	0.59	4.0	7.97	C-6	1 7/16	3/4	5000	Box	10
S7030	72	G5 3/4	Double Contact	BA15d	22.0	0.182	-	4.0	C-2V	1 5/8	3/4	200	Box	10
S6900	73	T1 3/4	Sub Mini Wedge	W2.1x4.9d	14.0	0.8	0.3	1.12	C-2F	13/16	1/4	15000	Box	10
S7031	74	T1 3/4	Sub Mini Wedge	W2.1x4.9d	14.0	0.1	-	1.4	C-2F	1/4	1/4	500	Box	10
S7032	81	G6	Single Contact	BA15s	6.5	1.02	-	6.63	C-2R	1 7/16	3/4	500	Box	10
S7033	82	G6	DC Bay.	BA15d	6.5	1.02	6.0	6.63	C-6	1 7/16	3/4	500	Box	10
S6901	85	T1 3/4	Sub Mini Wedge	W2.1x4.9d	28.0	0.04	0.3	1.12	C-2F	13/16	1/4	7000	Box	10
S6902	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
S7034	87	S8	Double Contact	BA15d	6.0	2.17	-	13.0	C-6	-	1	200	Box	10
S6953	88	S8	DC Bay.	BA15d	6.8	1.91	15.0	12.99	C-6	2	1	300	Box	10

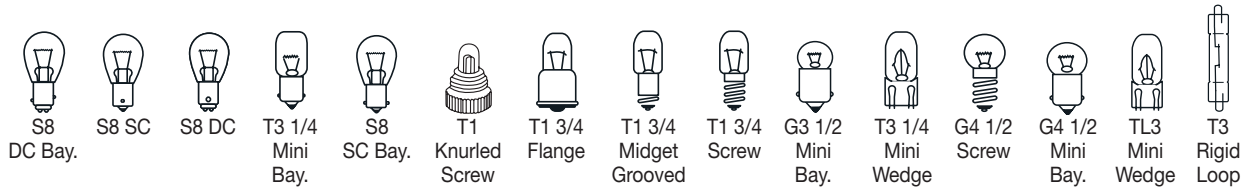
# MINIATURES & SEALED BEAMS



## Mini Lamps (continued)

Satco Prod. #	Lamp Code	Lamp Shape	Lamp Base	ANSI Base	Volts	Amps	MSCP	Approx. Watts	Filament	M.O.L. Inches	M.O.D. Inches	Avg. Rated Hours	Pkg. Type	Ctn.
S6948	89	G6	SC Bay.	BA15s	13.0	0.58	6.0	7.54	C-6	1 7/16	3/4	750	Box	10
S6949	90	G6	DC Bay.	BA15d	13.0	0.58	6.0	7.54	C-6	1 7/16	3/4	750	Box	10
S3623	93	S8	SC Bay.	BA15s	12.8	1.04	15.0	13.31	C-6	1 7/16	1	700	Box	10
S3723	93	S8	SC Bay.	BA15s	12.8	1.04	15.0	13.31	C-6	1 7/16	1	700	Box	10
S7782	94	S8	DC Bay.	BA15d	12.8	1.04	15.0	13.3	C-2R	2	1	700	Box	10
S6950	97	G6	SC Bay.	BA15s	13.5	0.69	4.0	9.32	C-6	1 7/16	3/4	5000	Box	10
S7036	105	B6	Single Contact	BA15s	12.8	1.0	-	12.8	C-6	1 3/4	3/4	500	Box	10
S7037	112	TL3	Mini Screw	E10	1.2	0.22	-	0.26	S2R	15/16	3/8	5	Box	10
S7054	123	G3 1/2	Mini Screw	E10	1.25	0.3	-	0.37	S2R	15/16	7/16	10	Box	10
S7055	124	T3 1/4	Mini Wedge	W2.1x9.5d	14.0	0.27	1.5	3.78	C-2F	1 5/8	7/16	5000	Box	10
S7059	130	G3 1/2	Mini Bay.	BA9s	6.3	0.159	-	1.0	C-2R	15/16	7/16	5000	Box	10
S7060	131	G3 1/2	Mini Screw	E10	1.3	0.1	-	0.13	S2R	15/16	7/16	50	Box	10
S7817	147	T3 1/4	Mini Wedge	W2.1x9.5d	7.0	0.43	2.0	3.01	C-2R	1 5/8	7/16	1500	Box	10
S7068	158	T3 1/4	Mini Wedge	W2.1x9.5d	14.0	0.24	2.0	3.36	C-2V	1 5/8	7/16	500	Box	10
S7069	159	T3 1/4	Mini Wedge	W2.1x9.5d	6.3	0.15	0.34	9.45	C-2R	1 5/8	7/16	5000	Box	10
S6914	161	T3 1/4	Mini Wedge	W2.1x9.5d	14.0	0.19	9.45	2.66	C-2F	1 5/8	7/16	4000	Box	10
S6915	168	T3 1/4	Mini Wedge	W2.1x9.5d	14.0	0.35	4.9	4.9	C-2F	1 5/8	7/16	1500	Box	10
S7838	182	G3 1/2	Mini Bay.	BA9s	14.4	-	-	2.59	C-2F	15/16	7/16	2000	Box	10
S7089	192	T3 1/4	Mini Wedge	W2.1x9.5d	13.0	0.33	3.0	4.29	C-2V	1 5/8	7/16	1000	Box	10
S7962	193	T3 1/4	Mini Wedge	W2.1x9.5d	14.0	0.33	4.62	4.62	C-2F	1 5/8	7/16	15000	Box	10
S6916	194	T3 1/4	Mini Wedge	W2.1x9.5d	14.0	0.27	3.78	3.78	C-2F	1 5/8	7/16	2500	Box	10
S7090	198	S8	DC Indexed Bay.	Bay.15d	12.8	2.25	32.0	28.8	C-6	2	1	1200	Box	10
S7091	209	B6	Single Contact	BA15s	6.5	1.78	-	11.6	C-6	1 3/4	3/4	100	Box	10
S7092	210	B6	Double Contact	BA15d	6.5	1.77	-	11.5	C-6	1 1/2	3/4	100	Box	10
S6907*	222	TL-3	Mini Screw	E10	2.25	0.25	-	0.56	C-2R	15/16	3/8	5	Box	10
S7096	233	G3 1/2	Mini Screw	E10	2.33	0.27	-	0.63	C-2R	15/16	7/16	10	Box	10
S7098	243	TL-3	Mini Screw	E10	2.33	0.27	-	0.63	C-2R	15/16	3/8	10	Box	10
S7099	245	G3 1/2	Mini Screw	E10	2.46	0.5	-	1.23	C-2R	15/16	7/16	15	Box	10
S7169	251	T1 3/4	Midget Flange	SX6s	2.47	0.3	-	0.74	C-2R	5/8	1/4	30	Box	10
S7170	256	T3 1/4	Mini Bay.	BA9s	14.0	0.27	-	3.78	C-2R	1 1/4	7/16	500	Box	10
S7171	257	G4 1/2	Mini Bay.	BA9s	14.0	0.27	-	3.78	C-2R	1 1/16	9/16	500	Box	10
S7172	258	T4 1/2	Mini Screw	E10	14.0	0.27	-	3.78	C-2R	1 1/16	9/16	500	Box	10
S7827	259	T3 1/4	Mini Wedge	W2.1x9.5d	6.3	0.25	0.66	1.58	C-2R	1 5/8	7/16	5000	Box	10
S7173	265	G3 1/2	Mini Bay.	BA9s	28.0	0.08	-	2.24	C2F	15/16		5000	Box	10
S7174	268	T1 3/4	Midget Flange	SX6s	2.5	0.35	-	0.88	C-2R	5/8	1/4	10000	Box	10
S7175	301	G5 3/4	Single Contact	BA15s	28.0	0.179	-	5.0	C-2F	1 3/8	3/4	500	Box	10
S7107	304	G6	Double Contact	BA15d	28.0	0.3	-	8.4	C-2F	1 7/16	3/4	500	Box	10

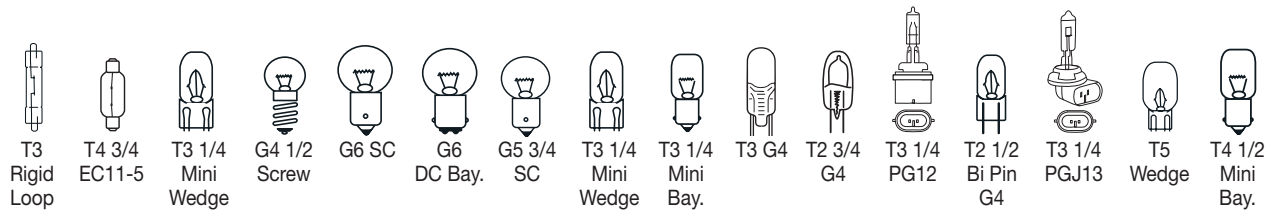
\* 2 "AA" Cells



## Mini Lamps (continued)

Satco Prod. #	Lamp Code	Lamp Shape	Lamp Base	ANSI Base	Volts	Amps	MSCP	Approx. Watts	Filament	M.O.L. Inches	M.O.D. Inches	Avg. Rated Hours	Pkg. Type	Ctn.
S7109	306	S8	DC Bay.	BA15d	28.0	0.51	15.0	14.28	C-6	2	1	300	Box	10
S7110	307	S8	Single Contact	BA15s	28.0	0.67	-	18.8	C-2V	2	1	300	Box	10
S7111	308	S8	Double Contact	BA15d	28.0	0.67	-	18.8	C-2V	2	1	300	Box	10
S6917	313	T3 1/4	Mini Bay.	BA9s	28.0	0.17	3.5	4.76	C-2F	1 3/16	7/16	500	Box	10
S7112	315	S8	SC Bay.	BA15s	28.0	0.9	-	25.2	C-2V	2	1	300	Box	10
S7963	326	T1 3/4	Knurled Screw	-	2.5	0.4	-	1.0	C-2R	9/16	1/4	30	Box	10
S6903	327	T1 3/4	Midget Flange	SX6s	28.0	0.04	0.34	1.12	C-2F	5/8	1/4	4000	Box	10
S7113	328	T1 3/4	Midget Flange	SX6s	6.0	0.2	0.6	1.2	C-2R	5/8	1/4	1000	Box	10
S7114	330	T1 3/4	Midget Flange	SX6s	14.0	0.08	-	1.12	C-2F	5/8	1/4	2500	Box	10
S7115	331	T1 3/4	Midget Flange	SX6s	1.4	0.06	-	0.08	C-6	5/8	1/4	3000	Box	10
S7116	334	T1 3/4	Midget Grooved	S5.7s	28.0	0.04	-	1.12	C-2F	5/8	1/4	4000	Box	10
S7117	335	T1 3/4	Midget Screw	E5.5	28.0	0.04	0.34	1.12	C-2F	3/4	1/4	4000	Box	10
S7119	337	T1 3/4	Midget Grooved	S5.7s	6.0	0.2	-	1.2	C-2R	5/8	1/4	1000	Box	10
S7120	356	G3 1/2	Mini Bay.	BA9s	28.0	0.17	3.5	4.76	C-2V	15/16	1/4	500	Box	10
S7121	370	T1 3/4	Midget Flange	SX6s	18.0	0.04	-	0.72	C-2F	5/8	1/4	10000	Box	10
S7122	373	T1 3/4	Midget Screw	E5.5	14.0	0.08	-	1.12	C-2F	3/4	1/4	2500	Box	10
S7123	376	T1 3/4	Midget Flange	SX6s	28.0	0.06	-	1.68	C-2F	5/8	1/4	25000	Box	10
S7124	378	T1 3/4	Midget Screw	E5.5	6.3	0.2	-	1.26	C-2F	3/4	1/4	50000	Box	10
S7125	381	T1 3/4	Midget Flange	SX6s	6.3	0.2	-	1.26	C-2F	5/8	1/4	50000	Box	10
S7126	382	T1 3/4	Midget Flange	SX6s	14.0	0.08	-	1.12	C-2F	5/8	1/4	50000	Box	10
S7127	385	T1 3/4	Midget Flange	SX6s	28.0	0.04	-	1.12	C-2F	5/8	1/4	50000	Box	10
S7128	386	T1 3/4	Midget Grooved	S5.7s	14.0	0.08	-	1.12	C-2F	5/8	1/4	50000	Box	10
S7829	387	T1 3/4	Midget Flange	SX6s	28.0	0.04	0.3	1.12	C-2F	5/8	1/4	10000	Box	10
S7830	388	T1 3/4	Midget Grooved	S5.7s	28.0	-	-	1.12	C-2F	5/8	1/4	7000	Box	10
S7129	394	T1 3/4	Midget Flange	SX6s	12.0	0.04	0.12	0.48	C-2F	5/8	1/4	20000	Box	10
S7130	399	T1 3/4	Midget Screw	E5.5	28.0	0.04	-	1.12	C-2F	5/8	1/4	7000	Box	10
S7131	400	T3 1/4	Mini Wedge	W2.1x9.5d	28.0	0.1	-	2.8	C-2F	1 1/16	7/16	1000	Box	10
S7132	407	G4 1/2	Mini Screw	E10	4.9	0.3	-	1.47	C-2R	1 1/16	9/16	50	Box	10
S6936	425	G4 1/2	Mini Screw	E10	5.0	0.5	2.3	2.5	C-2R	1 5/8	9/16	15	Box	10
S7133	428	G4 1/2	Mini Screw	E10	12.5	0.25	2.04	3.13	C-2V	1 5/8	9/16	250	Box	10
S7134	432	G4 1/2	Mini Screw	E10	18.0	0.25	-	4.5	C-2V	1 1/16	9/16	250	Box	10
S7135	464	T3 1/4	Mini Wedge	W2.1x9.5d	28.0	0.179	-	5.0	C2F	1 1/16	7/16	1500	Box	10
S6937	502	G4 1/2	Mini Screw	E10	5.1	0.15	0.6	0.77	C-2R	1 5/8	9/16	100	Box	10
S7136	503	G4 1/2	Mini Bay.	BA9s	5.1	0.15	-	0.77	C-2R	1 1/16	9/16	100	Box	10
S7137	555	T3 1/4	Mini Wedge	W2.1x9.5d	6.3	0.25	-	1.58	C-2R	1 1/16	7/16	3000	Box	10
S7138	558	TL3	Mini Wedge	W2.1x9.5d	13.0	0.33	-	4.29	C-2V	1 1/16	3/8	500	Box	10
S7139	562	T3	Rigid Loop	Rigid Loop	13.5	0.741	-	10.0	C-8	1 3/4	3/8	2000	Box	10

# MINIATURES & SEALED BEAMS



## Mini Lamps (continued)

Satco Prod. #	Lamp Code	Lamp Shape	Lamp Base	ANSI Base	Volts	Amps	MSCP	Approx. Watts	Filament	M.O.L. Inches	M.O.D. Inches	Avg. Rated Hours	Pkg. Type	Ctn.
<b>S7140</b>	563	T3	Rigid Loop	Rigid Loop	13.5	0.519	-	7.0	C-8	1 13/16	3/8	1000	Box	10
<b>S7141</b>	577	T4 3/4	EC11-5	EC11-5	12.8	1.4	-	17.9	C-6	1 11/16	5/8	1000	Box	10
<b>S7142</b>	585	T3 1/4	Mini Wedge	W2.1x9.5d	28.0	0.04	-	1.12	C-2F	1 1/16	7/16	7000	Box	10
<b>S7143</b>	590	T3 1/4	Mini Wedge	W2.1x9.5d	13.5	0.37	-	5.0	C2F	1 1/16	7/16	200	Box	10
<b>S7144</b>	605	G4 1/2	Mini Screw	E10	6.15	0.5	3.4	3.08	C-2R	1 5/8	9/16	15	Box	10
<b>S7145</b>	623	G6	Single Contact	BA15s	28.0	0.37	-	10.4	CC-2V	1 7/16	3/4	1000	Box	10
<b>S7146</b>	624	G6	DC Bay.	BA15d	28.0	0.37	-	10.4	CC-2V	1 7/16	3/4	1000	Box	10
<b>S7147</b>	631	G5 3/4	Single Contact	BA15s	14.0	0.629	-	8.8	2C2R	1 7/16	3/4	1000	Box	10
<b>S7837</b>	656	T3 1/4	Mini Wedge	W2.1x9.5d	28.0	0.06	0.62	1.68	C-2F	1 5/8	7/16	2500	Box	10
<b>S7702</b>	657	T3 1/4	Mini Wedge	W2.1x9.5d	28.0	0.08	-	2.24	C-2F	1 1/16	7/16	15000	Box	10
<b>S7148</b>	658	T3 1/4	Mini Wedge	W2.1x9.5d	14.0	0.08	-	1.12	C-2F	1 1/16	7/16	15000	Box	10
<b>S6918</b>	755	T3 1/4	Mini Bay.	BA9s	6.3	0.15	0.33	0.95	C-2R	1 3/16	7/16	20000	Box	10
<b>S6919</b>	756	T3 1/4	Mini Bay.	BA9s	14.0	0.08	0.31	1.12	C-2F	1 3/16	7/16	15000	Box	10
<b>S6920</b>	757	T3 1/4	Mini Bay.	BA9s	28.0	0.08	0.62	2.24	C-2F	1 3/16	7/16	15000	Box	10
<b>S7153</b>	787	T3	G4	G4	6.0	1.67	-	10.0	C-6	1 3/16	3/8	100	Box	10
<b>S7154</b>	789	T2 3/4	G4	G4	12.0	1.17	-	14.0	C-6	1 1/16	3/8	200	Box	10
<b>S7156</b>	880	T3 1/4	PG12	PG12	12.8	2.11	-	27.0	C-6	2 11/16	7/16	300	Box	10
<b>S7157*</b>	891	T2 1/2	Bi Pin G4	G4	12.8	0.625	11.5	8.0	C-6	1 3/16	5/16	500	Box	10
<b>S7158</b>	894	T3 1/4	PGJ13	PGJ13	12.8	2.93	-	37.5	C-6	2 11/16	7/16	200	Box	10
<b>S6938</b>	901	T5	Mini Wedge	W2.1x9.5d	12.8	0.31	2.9	3.97	C-2R	1 1/2	5/8	500	Box	10
<b>S6939</b>	904	T5	Mini Wedge	W2.1x9.5d	13.5	0.69	4.0	9.32	C-2F	1 1/2	5/8	5000	Box	10
<b>S6940</b>	906	T5	Mini Wedge	W2.1x9.5d	13.0	0.69	6.0	8.97	C-2F	1 1/2	5/8	1000	Box	10
<b>S6941</b>	908	T5	Mini Wedge	W2.1x9.5d	6.0	1.5	12.0	9.0	C-2R	1 1/2	5/8	50	Box	10
<b>S6942</b>	909	T5	Mini Wedge	W2.1x9.5d	6.0	0.62	3.0	3.72	C-2R	1 1/2	5/8	50	Box	10
<b>S6943</b>	912	T5	Mini Wedge	W2.1x9.5d	12.8	1.0	12.0	12.8	C-2R	1 1/2	5/8	1000	Box	10
<b>S7839</b>	914	T5	Mini Wedge	W2.1x9.5d	4.0	0.9	3.5	3.6	C-2R	1 1/2	5/8	50	Box	10
<b>S7866</b>	915	T5	Mini Wedge	W2.1x9.5d	12.0	0.75	11.0	9.0	C-2R	1 1/2	5/8	50	Box	10
<b>S7159</b>	916	T5	Mini Wedge	W2.1x9.5d	13.5	0.54	2.0	7.29	C-2F	1 1/2	5/8	10000	Box	10
<b>S7160</b>	917	T5	Mini Wedge	W2.1x9.5d	12.8	1.2	10.0	15.36	C-2F	1 1/2	5/8	1200	Box	10
<b>S6944</b>	918	T5	Mini Wedge	W2.1x9.5d	12.8	0.56	6.5	7.17	C-2R	1 1/2	5/8	500	Box	10
<b>S6945</b>	921	T5	Mini Wedge	W2.1x9.5d	12.8	1.4	21.0	17.92	C-2R	1 1/2	5/8	1000	Box	10
<b>S7161</b>	922	T5	Mini Wedge	W2.1x9.5d	12.8	0.98	15.0	12.54	C-2R	1 1/2	5/8	200	Box	10
<b>S7162</b>	923	T5	Mini Wedge	W2.1x9.5d	12.8	0.906	-	11.6	C-2R	1 1/2	5/8	200	Box	10
<b>S7163</b>	928	T5	Mini Wedge	W2.1x9.5d	28.0	0.3	-	8.4	C-2F	1 1/2	5/8	500	Box	10
<b>S7101</b>	939	T5	Mini Wedge	W2.1x9.5d	6.0	0.9	-	5.4	C-2R	1 1/2	5/8	50	Box	10
<b>S7165</b>	957	T4 1/2	Mini Bay.	BA9s	9.84	0.508	-	5.0	C-2R	1 3/8	9/16	200	Box	10

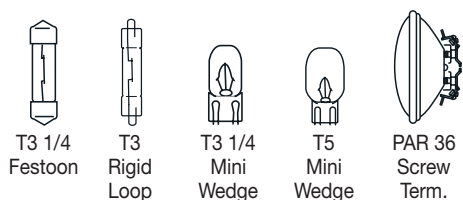












## Festoon & Rigid Xenon Lamps (continued)

Satco Prod. #	Lamp Code	Lamp Shape	Lamp Base	ANSI Base	Volts	Amps	Approx. Watts	M.O.L. Inches	M.O.D. Inches	Rated Hours	Avg. Pkg. Type	Master/Inner Ctn.
S6992	X10T3 1/4 F Festoon	T3 1/4	Festoon	SV8.5-8	24	0.39	10	1 3/4	7/16	10000	Box	500/10
S6994	10RLX 12V Rigid Loop	T3	Rigid Loop	Rigid Loop	12	0.833	10	1 11/16	3/8	20000	Box	500/10
S6996	10RLX 24V Rigid Loop	T3	Rigid Loop	Rigid Loop	24	0.417	10	1 11/16	3/8	20000	Box	500/10
S6998	10RLX F 12V Rigid Loop	T3	Rigid Loop	Rigid Loop	12	0.833	10	1 11/16	3/8	20000	Box	500/10
S6850	10RLX/F 10W 24V Rigid Loop	T3	Rigid Loop	Rigid Loop	24	0.417	10	1 11/16	3/8	20000	Box	500/10

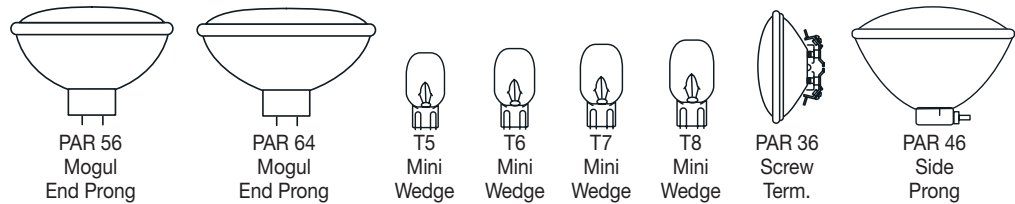
## Wedge Base Xenon Lamps

Satco Prod. #	Lamp Code	Lamp Shape	Lamp Base	ANSI Base	Volts	Amps	Approx. Watts	M.O.L. Inches	M.O.D. Inches	Rated Hours	Avg. Pkg. Type	Master/Inner Ctn.
S6968	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
S6969	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
S6974	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
S6972	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
S6976	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
S6975	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
S6977	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
S6979	X7.2T5 24V Wedge	T5	Mini Wedge	W2.1x9.5d	24	0.3	7.2	1 1/2	5/8	2500	Box	1000
S6982	X7.2T5 F 24V Wedge	T5	Mini Wedge	W2.1x9.5d	24	0.3	7.2	1 1/2	5/8	2500	Box	1000
S6980	X10T5 24V Wedge	T5	Mini Wedge	W2.1x9.5d	24	0.42	10	1 1/2	5/8	2000	Box	1000
S6983	X10T5 F 24V Wedge	T5	Mini Wedge	W2.1x9.5d	24	0.42	10	1 1/2	5/8	2000	Box	1000
S6978	X18T5 12V Wedge	T5	Mini Wedge	W2.1x9.5d	12	1.5	18	1 1/2	5/8	10000	Box	1000
S6981	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	Lamp Base	ANSI Base	Volts	Approx. Watts	Lamp Filament	M.O.L. Inches	M.O.D. Inches	Rated Hours	Avg. Pkg. Type	Ctn.
S4807	36PAR36/CAP/VNSP	PAR36	Screw Terminal	MP2	12	36	CC-8	2 3/4	4 1/2	4000	Box	12
S4808	36PAR36/CAP/NSP	PAR36	Screw Terminal	MP2	12	36	CC-8	2 3/4	4 1/2	4000	Box	12
S4809	36PAR36/CAP/WFL	PAR38	Screw Terminal	MP2	12	36	CC-8	2 3/4	4 3/4	4000	Box	12
S4806	50PAR36CAPNSP	PAR36	Screw Terminal	MP2	12	50	CC-8	2 3/4	4 1/2	4000	Box	12

# MINIATURES & SEALED BEAMS



## Halogen Sealed Beam Lamps for General & Display (continued)

Satco Prod. #	Lamp Code	Lamp Shape	Lamp Base	ANSI Base	Volts	Approx. Watts	Lamp Filament	M.O.L. Inches	M.O.D. Inches	Rated Hours	Avg. Pkg. Type	Ctn.
<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

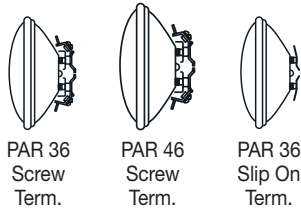
## Landscape Lamps 12V – 4PK Card

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

## Incandescent Sealed Beam Lamps for General & Display

Satco Prod. #	Lamp Code	Lamp Shape	Lamp Base	ANSI Base	Volts	Approx. Watts	Lamp Filament	M.O.L. Inches	M.O.D. Inches	Rated Hours	Avg. Pkg. Type	Master/ Inner Ctn.
<b>S4805▲</b>	50PAR36/NSP	PAR36	Screw Terminal	MP2	12	50	C-6	2 3/4	4 1/2	2000	Box	12
<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	Lamp Base	ANSI Base	Volts	Approx. Watts	M.O.L. Inches	M.O.D. Inches	Avg. Rated Hours	Pkg. Type	Ctn.
S4300	4014	PAR36	Screw Terminal	MP2	6.4	18.0	2 3/4	4 1/2	200	Box	
S4301	4042	PAR36	Screw Terminal	MP2	6.4	12.0	2 3/4	4 1/2	150	Box	
S4302	4044	PAR36	Screw Terminal	MP2	12.0	12.0	2 3/4	4 1/2	150	Box	
S4303	4405	PAR36	Screw Terminal	MP2	12.8	30.0	2 3/4	4 1/2	100	Box	
S4304	4406	PAR36	Screw Terminal	MP2	12.8	35.0	2 3/4	4 1/2	300	Box	
S4305	4411	PAR36	Screw Terminal	MP2	12.8	35.0	2 3/4	4 1/2	300	Box	
S4306	4414	PAR36	Screw Terminal	MP2	12.8	18.0	2 3/4	4 1/2	300	Box	
S4307	4415	PAR36	Screw Terminal	MP2	12.8	35.0	2 3/4	4 1/2	300	Box	
S4316	4416	PAR36	Screw Terminal	MP2	12.8	30.0	2 3/4	4 1/2	100	Box	
S4335	4435	PAR46	Screw Terminal	MP2	12.8	30.0	3 3/4	5 3/4	100	Box	
S4317	4446	PAR36	Screw Terminal	MP2	12.8	25.0	2 3/4	4 1/2	300	Box	
S4318	4502	PAR36	Screw Terminal	MP2	28.0	50.0	2 3/4	4 1/2	400	Box	
S4319	4505	PAR36	Screw Terminal	MP2	28.0	50.0	2 3/4	4 1/2	400	Box	
S4320	4509	PAR36	Screw Terminal	MP2	13.0	100.0	2 3/4	4 1/2	25	Box	
S4321	4510	PAR36	Screw Terminal	MP2	6.4	25.0	2 3/4	4 1/2	300	Box	
S4322	4515	PAR36	Screw Terminal	MP2	6.4	30.0	2 3/4	4 1/2	100	Box	
S4323	4516	PAR36	Screw Terminal	MP2	6.2	30.0	2 3/4	4 1/2	300	Box	
S4324	4535	PAR46	Screw Terminal	MP2	6.4	30.0	3 3/4	5 3/4	100	Box	
S4336	4546	PAR36	Screw Terminal	MP2	4.7	2.35	2 3/4	4 1/2	100	Box	
S4333	7613	PAR36	Screw Terminal	MP2	6.0	8.0	2 3/4	4 1/2	50	Box	
S4334	7672-1	PAR36	Slip On Terminal	SOT2	6.0	7.2	2 3/4	4 1/2	50	Box	

## Sealed Beam Lamps for Equipment

Satco Prod. #	Lamp Code	Lamp Shape	Lamp Base	ANSI Base	Volts	Approx. Watts	M.O.L. Inches	M.O.D. Inches	Avg. Rated Hours	Pkg. Type	Ctn.
S4325	H7550	PAR36	Screw Terminal	MP2	6	8	2 3/4	4 1/2	50	Box	
S4326	H7551	PAR36	Screw Terminal	MP2	6	8	2 3/4	4 1/2	50	Box	
S4327	H7552	PAR36	Screw Terminal	MP2	6	10	2 3/4	4 1/2	50	Box	
S4328	H7553	PAR36	Screw Terminal	MP2	6	12	2 3/4	4 1/2	50	Box	
S4329	H7554	PAR36	Screw Terminal	MP2	6	20	2 3/4	4 1/2	50	Box	
S4330	H7555	PAR36	Screw Terminal	MP2	12	8	2 3/4	4 1/2	50	Box	
S4331	H7556	PAR36	Screw Terminal	MP2	6	6	2 3/4	4 1/2	50	Box	
S4332	H7557	PAR36	Screw Terminal	MP2	12	12	2 3/4	4 1/2	50	Box	

# HID BALLASTS



## **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.

## **The right power for the job.**

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

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

Primary Lamp Type	Tap	Satco Prod. #	Ballast Code	Circuit Type	ANSI Code	Start Method	Title 20	Master
<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 Prod. #	Ballast Code	Circuit Type	ANSI Code	Start Method	Title 20	Master
<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 Prod. #	Ballast Code	Circuit Type	ANSI Code	Input Voltage	Title 20	Master
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	No. of Lamps	Input Voltage	Satco Prod. #	Ballast Code	Mounting	L x W x H (inches)	Master
CDM20	1	120	S6789	HQEB/MH20/120LA1F 120V BUTTER STICK	FCAN	5 1/2 x 1 3/4 x 1 1/4	40
CDM35, 39	1	120	S6790	HQEB/MH39/120LA21 120V BUTTER STICK	FCAN	5 1/2 x 1 3/4 x 1 1/4	40
CDM50	1	120	S6791	HQEB/MH50/120LA1F 120V BUTTER STICK	FCAN	5 1/2 x 1 3/4 x 1 1/4	40
CDM20	1	120	S6792	HQEB/MH20/120LA2F 120V SQUARE	FCAN	3 1/2 x 3 x 1 1/4	40
CDM70	1	120	S6793	HQEB/MH39/120LA2F 120V SQUARE	FCAN	3 1/2 x 3 x 1 1/4	40
CDM100	1	120	S6794	HQEB/MH50/120LA2F 120V SQUARE	FCAN	3 1/2 x 3 x 1 1/4	40
CDM35, 39	1	UNV	S6795*	HQEB/MH35/123L2AF UNV RECTANGLE	JCAN	5 1/2 x 3 5/8 x 1 1/2	20
CDM70	1	UNV	S6796*	HQEB/MH70/123L2AF UNV RECTANGLE	JCAN	5 1/2 x 3 5/8 x 1 1/2	20
CDM100	1	UNV	S6797*	HQEB/MH100/123L2AF UNV RECTANGLE	JCAN	5 1/2 x 3 5/8 x 1 1/2	20
CDM35, 39	1	UNV	S6798	HQEB/MH35/123L1AF UNV RECTANGLE	FCAN	5 1/2 x 3 5/8 x 1 1/2	20
CDM70	1	UNV	S6799	HQEB/MH70/123L1AF UNV RECTANGLE	FCAN	5 1/2 x 3 5/8 x 1 1/2	20
CDM100	1	UNV	S6800	HQEB/MH100/123L1AF UNV RECTANGLE	FCAN	5 1/2 x 3 5/8 x 1 1/2	20
CDM150	1	UNV	S6801	HQEB/MH150/123L1AF UNV RECTANGLE	FCAN	6 1/2 x 3 5/8 x 1 1/2	20
CDM150	1	UNV	S6804*	HQEB/MH150/123L2AF UNV RECTANGLE	JCAN	6 1/2 x 3 5/8 x 1 1/2	20

\* Bottom Feed Studs

## Hydroponic/Horticulture Ballasts – Fan Cooled

Primary Lamp Type	Tap	Satco Prod. #	Ballast Code	Dimming Options	L x W x H (inches)	Master
400W HPS MH	120-240V	S2791	400W DIMM 120/240V MH/HPS W/120V 8FT PLUG	150W/250W/400W	9 13/16 x 4 1/2 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 1/2 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 1/2 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

# FLUORESCENT BALLASTS



## A necessary function.

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

**Reliable, steady power.**

## 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	No. of Lamps	Input Voltage	Satco Prod. #	Ballast Code	NAED Code	Wiring Method	Master
<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
<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: FBO16, FO17, FBO24, FO25, FBO31, FO32, FO40 &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	1
<ul style="list-style-type: none"> <li>• Listed for: FO96T8 &amp; SS Equivalents</li> <li>• Can operate 1 lamp on 2 lamp ballast</li> </ul>							

## T12 Instant Start / Rapid Start Electronic Ballasts

Primary Lamp Type	No. of Lamps	Input Voltage	Satco Prod. #	Ballast Code	NAED Code	Wiring Method	Master
<b>F40T12</b>	1 or 2	120/277	<b>S5260</b>	DB240MVRSN 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 or 2	120/277	<b>S6697</b>	DB296MMISN BALLAST UNV	80206	Leads	20
<ul style="list-style-type: none"> <li>• Listed for: F96T12, F72T12, F48T12 Lamp(s)</li> </ul>							

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

Primary Lamp Type	No. of Lamps	Input Voltage	Satco Prod. #	Ballast Code	NAED Code	Wiring Method	Master
<b>T12/RS/HO</b>	1/2	120/277	<b>Y50319</b>	QTP2X96T12/HO/UNV/RS	50319	Leads	6
<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		Leads	10

## T5 Programmed Start, Universal Voltage Ballasts

Primary Lamp Type	No. of Lamps	Input Voltage	Satco Prod. #	Ballast Code	NAED Code	Wiring Method	Master
<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>							

# FLUORESCENT BALLASTS

## T5 HO Programmed Start, Universal Voltage Ballasts

Primary Lamp Type	No. of Lamps	Input Voltage	Satco Prod. #	Ballast Code	NAED Code	Wiring Method	Master
<b>FP24T5</b>	2	120/277	<b>S5215</b>	QHE2X3924T5HO/UNV/NL	51479	Wiretap Connections	20
	• Listed for: FPC22T5, FPC24T5HO, FT24DL, CF24DF, FT36DL, FP39T5HO, FPC40T5 Lamp(s)						
<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
• Listed for: FP54T5/HO, FT55DL, FPC55 Lamp(s)							
<b>FP80T5</b>	1	120/277	<b>S5220</b>	QTP1X80T5HO/UNV/PSN/NL	–	Wiretap Connections	20
	• Listed for: FP54T5/HO, FP80, FT80DL Lamp(s)						

## FT40DL Instant Start, Universal Voltage Ballasts

Primary Lamp Type	No. of Lamps	Input Voltage	Satco Prod. #	Ballast Code	NAED Code	Wiring Method	Master
<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
• Listed for: FT40DL/28W/SS/IS							

## Circline Instant Start, Dedicated Voltage Ballasts

Primary Lamp Type	No. of Lamps	Input Voltage	Satco Prod. #	Ballast Code	NAED Code	Wiring Method	Master
<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	No. of Lamps	Input Voltage	Satco Prod. #	Ballast Code	NAED Code	Wiring Method	Master						
<b>CF13</b>	1/2	120/277	<b>S5225</b>	QTP1/2X13CF/UNV/DM	51818	Wiretap Connections	20						
				• Listed for: 1 or 2 CF13DD/E or CF13DT/E Lamp(s)									
<b>CF18</b>	1/2	120/277	<b>S5226</b>	QTP1/2X18CF/UNV/DM	51823	Wiretap Connections	20						
				• Listed for: 1 or 2 CF18DD/E or CF18DT/E Lamp(s)									
<b>CF26</b>	1/2	120/277	<b>S5229</b>	QTP1/2X26CF/UNV/Dual Entry	51833	Wiretap Connections	20						
				• Listed for: 1 or 2 CF26DD/E or CF26DT/E Lamp(s)									
				• Also Listed for: 1 ea. CF32DT/E, CF42DT/E, F28/2D, F38/2D, FPC40T5, FT40DL Lamp • Also Listed for: 2 ea. CF13DS/E, FT18DL/RS, CF18DF, F21/2D Lamps									

## Compact Fluorescent Programmed Start, Universal Voltage Ballasts (continued)

Primary Lamp Type	No. of Lamps	Input Voltage	Satco Prod. #	Ballast Code	NAED Code	Wiring Method	Master
<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					
<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	No. of Lamps	Input Voltage	Satco Prod. #	Ballast Code	Total Lamp Length	Master
<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>						

## T12 HO (800mA) Rapid Start Sign Ballasts

Primary Lamp Type	No. of Lamps	Input Voltage	Satco Prod. #	Ballast Code	Total Lamp Length	Master
<b>T12/RS/HO</b>	1-2	120	<b>S5290</b>	MSB-12-0412-TP	4 ft. – 12 ft.	1
	2-4	120	<b>S5291</b>	MSB-24-0620-TP	6 ft. – 20 ft.	1
	2-4	120	<b>S5292</b>	MSB-24-1224-TP	12ft. – 24 ft.	1
	2-4	120	<b>S5293</b>	MSB-24-2040-TP	20 ft. – 40 ft.	1
	4-6	120	<b>S5294</b>	MSB-46-1240-TP	12ft. – 40 ft.	1
	4-6	120	<b>S5295</b>	MSB-46-2448-TP	24 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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