

PRODUCT CATALOG



BULBRITE[®]
SINCE 1971

INNOVATING.
EDUCATING.
EXCEEDING EXPECTATIONS.



BULBRITE[®]
SINCE 1971

Innovating. Educating. Exceeding Expectations.





Be Brite!

To Our Valued Customers:

Thank you so much for the opportunity to provide you light. Light is one of those things that most of us might take for granted and yet it is something we cannot live without. This is because light is the source of life – beginning with the first source of light, the sun.

We have been so fortunate to be in an industry that is responsible for providing light. At Bulbrite, we are focused more than ever, on creating not just light, but *beautiful* light. Whether it is the bright, crisp LED light that allows you to prepare your meal in the kitchen, the decorative string light that creates a festive atmosphere outside, or the nostalgic glow of your living room chandelier that makes you happy to be home, we believe that beautiful light is the source of life.

What makes this beautiful light possible? Our **BE BRITE** team. We are people driven by values. People who are committed to **EXCELLENCE** in everything we do. People who are continuously looking for a **BETTER WAY** of doing things. People who value **RELATIONSHIPS**. Who have **INTEGRITY**. **TEAM SPIRIT**. And who **EDUCATE** ourselves and others so can all reach our full potential.

Why do we do all of this? To fulfill our commitment to all of you! Our values driven team enables us to deliver the Bulbrite Promise that you have expected from us since 1971.

So, thank you again for the opportunity to serve you. We look forward to creating beautiful light for many years to come.

Yours truly,

Cathy Choi, President



*Inside every box,
there's a promise.*

A promise to never stop innovating.

We push ourselves to be ahead of the curve because we believe innovation is as much about people and process as it is about product.

A promise to never stop educating.

We help our customers and partners succeed by sharing intelligence on everything from business strategy to the latest technology.

A promise to never stop exceeding expectations.

We deliver a 95% order fulfillment rate with same day shipping as a part of our never-ending pursuit to create an amazing customer experience.

This is the Bulbrite Promise.

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Omni-Directional

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Omni-Directional

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Education

At Bulbrite, we take our commitment to education seriously. It defines who we are. We educate ourselves and others because we believe that by learning, growing, and teaching, we can all reach our full potential. From this core ideology, Lightopedia.com was born.

Lightopedia.com's mission is to educate both lighting professionals and consumers about lighting and legislation. We believed it was essential to create a comprehensive online educational resource where both lighting professionals and consumers could easily understand and learn about the lighting industry. At Bulbrite, we want our customers to make the most informed decisions before making a lighting purchase, which is why we stress the importance of our educational resources. Some of the helpful tools available on LIGHTOPEDIA include:

With comprehensive lessons and an easy-to-use software, Lightopedia.com was created to ensure an in-depth learning experience about the lighting industry, including:

- Lessons in lighting basics and lighting technologies
- Tools to identify bulb types and energy savings
- Updates on lighting industry news

Bulbrite's team of ALA certified professionals, our educational training centers in New Jersey and Texas, in conjunction with our webinars and website, are proof of our commitment to education.

Lightopedia.com's mission is to educate both lighting professionals and consumers about lighting and legislation.

Visit
lightopedia.com™
to learn more

Lighting Professionals

TRAINING – Seven interactive modules covering bulb basics accredited by the American Lighting Association

TOOLS – Variety of lamp reference tools including a Savings & ROI calculator

REGULATIONS – EISA legislation summary and replacement guides

RESOURCES – List of lighting associations, certifications and energy efficiency resources



Lighting Consumers

BULB OF CHOICE – Illustrates the light bulb choices consumers have and where to buy

BULB BUSTERS – Sheds light on common myths regarding energy efficient bulbs

BYE BYE BULB – A consumer friendly explanation of the new light bulb legislation



BULBRITE[®]
SINCE 1971

Education

What you need to know CEC, FTC, ES, UL

Having the right lighting education sets you and your business up for success. At Bulbrite we are committed to ensuring you have all educational resources at your finger tips. **A critical part of that education includes regulations and legislation affecting the lighting world.**

Here are a few to keep on your radar:

Energy Star



- A joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy
- Products that have earned the Energy Star certification meet a strict set of energy efficiency and performance metrics
- **Helping us all save money and protect the environment** through energy efficient products and practices
- You can look for Energy Star on CFL and LED products
- To see a full list of Energy Star qualified products, visit www.energystar.gov

Safety Certification

- Underwriter's Laboratory (UL) has developed detailed standards for many products, including light bulbs
- Bulbrite partners with a variety of test labs including UL, ETL and TUV to ensure our products meet these safety standards
- **Whether our products bear a UL, ETL or TUV logo, it has been tested to pass the appropriate UL standard for that product**
- To see a full list of UL rated products, visit www.ul.com



CEC Appliance Efficiency Program

- CEC Appliance Efficiency Program requires manufacturers of covered appliances to meet both state and federal energy and water efficiency standards
- Manufacturers must certify these products to the California Energy Commission through the Modernized Appliance Efficiency Database System (MAEDBS), which is available to the public

Lighting Facts Labels

- **The Federal Trade Commission (FTC) lighting facts label is a required source of information that must appear on the packaging of standard base LEDs, CFLs and household incandescents intended for general service purposes**
- Manufacturers are required to submit the specification data as it appears on these labels online through the Department of Energy, ensuring users have accurate performance data

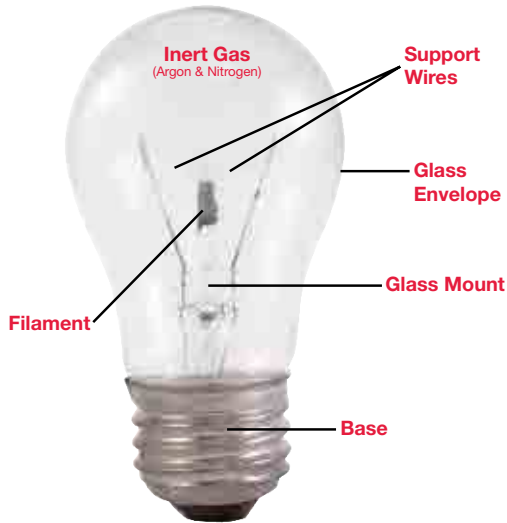
Lighting Facts <small>Per Bulb</small>	
Brightness	610 lumens
Estimated Yearly Energy Cost	\$1.33
<small>Based on 3 hrs/day, 11¢/kWh Cost depends on rates and use</small>	
Life	36.5 years
<small>Based on 3 hrs/day</small>	
Light Appearance	
Warm <div style="width: 50%; position: absolute; left: -5px; top: -5px;"></div> Cool	
3000 K	
Energy Used	11 watts

Bulb Basics

Incandescent (pg 16 - 67)

How it works:

An electrical current enters the lamp through the electrical contact at the base which serves as a conductor. The lead wires carry the current to the filament, which is held up and away from the lamp by support wires. As the electrical current passes through the filament, the filament heats, causing it to glow to incandescence, producing light.



Usage:

- A-shape: Portable fixtures
- Reflector: Recessed cans
- Globes: Vanity
- Decorative: Chandelier

Advantages:

- Low cost
- Versatile – available for most applications
- Excellent color rendering
- Warm light
- Fully dimmable – dimming saves energy and extends life

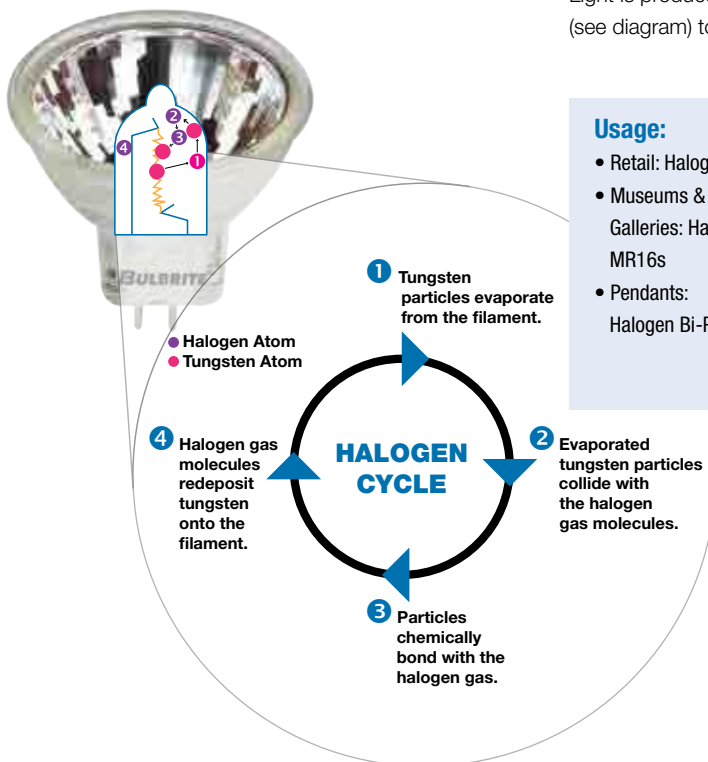
Disadvantages:

- Heat
- Approximately 85% of the energy produced is lost in the form of heat
- Short life
- Sensitive to voltage fluctuations

Halogen (pg 68 - 95)

How it works:

Light is produced similar to an incandescent with the addition of a Halogen Cycle (see diagram) to increase overall lamp efficiency.



Usage:

- Retail: Halogen PARs
- Museums & Art Galleries: Halogen MR16s
- Pendants: Halogen Bi-Pin

Advantages:

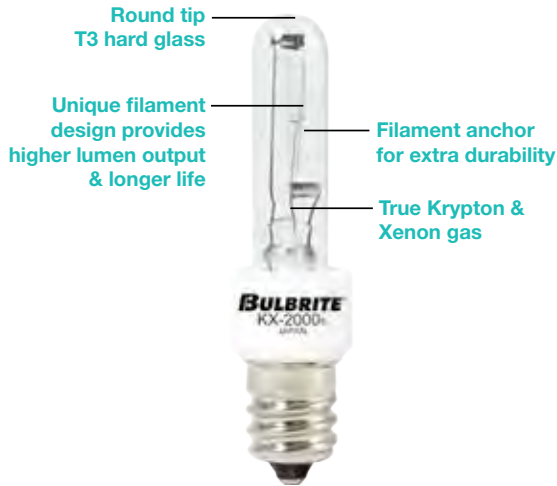
- Bright white light
- Long life
- Compact size
- Dimmable
- High color rendering index (CRI) = 100

Disadvantages:

- More costly than incandescents
- Heat
- High pressure gas – may require shield
- Halogen capsule cannot be touched with hands

Bulb Basics

Krypton/Xenon (pg 96 - 105)



How it works: Krypton/Xenon lamps operate like Halogen but with Krypton/Xenon fill gas. These gases have an improved ability to capture evaporated tungsten (from the burning of the filament) to be re-deposited onto the filament.

Usage:

- Accent lighting
- Sign & Display
- Automotive lighting
- Landscape

Advantages:

- Brighter, whiter light
- Long life
- Equivalent light output at lower wattage
- High color rendering index (CRI) = 100
- Dimmable
- Xenon is a lower pressure gas than Krypton & Halogen

Disadvantages:

- More costly than standard incandescent



Fluorescent & CFL (pg 106 - 137)

How it works: An electric arc passes between the cathodes. Interaction with the mercury inside of the lamp excites gases and produces radiant energy. Phosphor coating converts energy to visible light. CFLs produce light similar to linear fluorescents but use amalgam to increase performance.

Usage:

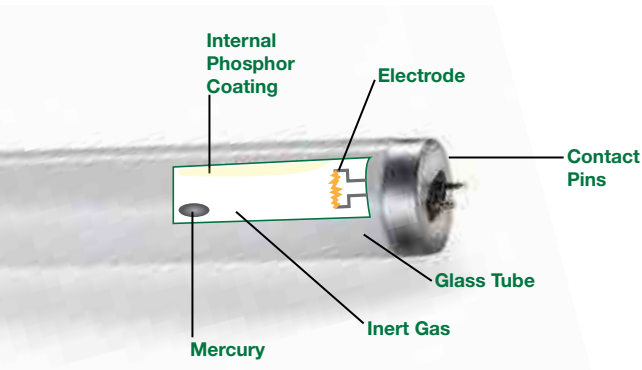
- Commercial & Industrial
- Sign & Display
- Ceiling Fixtures
- Outdoor/Security
- Portables
- Wall mount/Sconce

Advantages:

- Energy efficient
- High efficacy
- Good lumen maintenance
- Long life
- Wide range of shapes and sizes
- Easy retrofit
- Radiates little heat

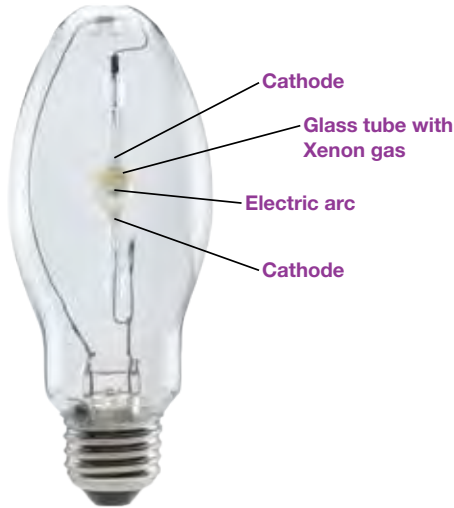
Disadvantages:

- More costly than standard incandescent
- Temperature sensitive
- Separate ballast (fluorescents)



Bulb Basics

HID - High Intensity Discharge (pg 138 - 147)



How it works: An electric arc passes between cathodes in a pressurized tube causing metals, or halide compounds of metals, and other gases inside to produce optical radiation. The outer bulb may be coated with phosphor to improve color rendering by converting UV to visible light.

Usage:

- Commercial & Industrial
- Sign & Display
- Ceiling Fixtures
- Outdoor/Security
- Portables
- Wall mount/Sconce

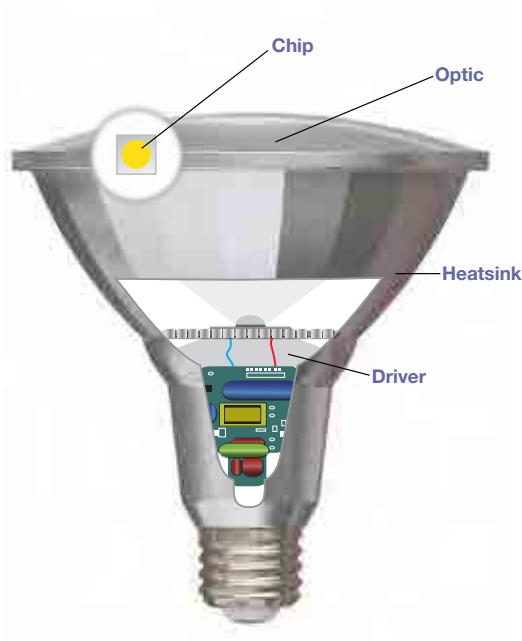
Advantages:

- All-weather operation
- Low maintenance
- Long life

Disadvantages:

- Poor color
- Re-strike time
- Ballast required

LED - Light Emitting Diode (See Bulbrite's LED Catalog)



How it works: A light emitting diode (LED) is a light source that becomes illuminated by the movement of electrons or an electrical current passing through a semiconductor material. An LED lamp is a complete light source package composed of 4 components: an LED chip, the driver, the heat sink and the optic.

Usage:

- Commercial & Industrial
- Sign & Display
- Ceiling Fixtures
- Outdoor/Security
- Portables
- Wall mount/Sconce

Advantages:

- Energy efficient – low energy consumption
- Environmentally friendly – no mercury
- Super long life – up to 50,000 hours
- No IR/UV emissions
- Durable
- Low maintenance costs

Disadvantages:

- Slightly higher cost
- Dimmability may be limited; only on "Dimmable" models

How to Use Your Catalog

COMPLIANCY ICONS

Indicates the lamp is compliant with the applicable regulation.



BULBRITE FEATURED ICONS

Indicates specific features of the lamp, including if it is new or a Bulbrite exclusive.



CATALOG ICONS

Featured icons appear at the top of each page

Application icons show specific uses for lamps

Energy Wiser® Coils
Medium Base (E26),
Twist & Lock Base (GU24)

- Low Mercury (LM) T2s contain 50% less mercury than standard CFLs
- T2s are ideal for compact spaces
- Twist & Lock GU24 base fits standardized line voltage socket promoted by Energy Star
- Ideal for general purpose lighting commonly used in residential and commercial applications



















CFL = Incandescent
5W = 25W
9W = 40W
13W = 60W
18W = 75W
23W = 100W

Compact Fluorescent

How to Use Your Catalog

APPLICATION ICONS

							
AMUSEMENT	CEILING FAN	CEILING FIXTURE	CHANDELIER	COMMERCIAL	INDUSTRIAL	LANDSCAPE	OUTDOOR COMMERCIAL
							
OUTDOOR RESIDENTIAL	PENDANT/DOWNLIGHTS	PORTABLE	RECESSED	SIGN/DISPLAY	TRACK	VANITY	WALL MOUNT/SCONCE

SPECIFICATION TABLE

Indicates minimum sell quantity (inner) and smallest shipping carton (master)

Energy efficient lamp alternatives

Average life expressed in hours

Brightness at the center of the beam

Maximum overall length in inches

Footnotes can be found on the last page of each section

Measurement of brightness

For LED alternatives, see Bulbrite's LED catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Beam	Color Temp.	Lumens	Average Hours	CBCP	M.O.L.	Notes pg. 95
20	MR16	GU5.3	646320	BAB/24	24	10 / 50	Flood 36°	2900K	260	2000	405	1.875"	1,2,4
			620020	BAB/120	120	10 / 50	Flood 36°	2900K	130	2000	160	1.875"	2,4
			620320	BAB/GY8	120	10 / 50	Flood 36°	2900K	130	2000	160	1.875"	2,4
35	MR16	GU5.3	646135	FRB/24	24	10 / 50	Spot 12°	2900K	370	2000	3600	1.875"	D,1,2,4
			646335	FMW/24	24	10 / 50	Flood 36°	2900K	420	2000	1000	1.875"	1,2,4
			620035	FMW/120	120	10 / 50	Flood 36°	2900K	320	2000	360	1.875"	2,4
		GY8	620335	FMW/GY8	120	10 / 50	Flood 36°	2900K	320	2000	360	1.875"	2,4
50	MR16	GU5.3	646150	EXT/24	24	10 / 50	Spot 12°	2900K	710	2000	6000	1.875"	1,2,4
			646350	EXN/24	24	10 / 50	Flood 36°	2900K	750	2000	1845	1.875"	1,2,4
			620050	EXN/120	120	10 / 50	Flood 36°	2900K	560	2000	600	1.875"	2,4
			620350	EXN/GY8	120	10 / 50	Flood 36°	2900K	560	2000	600	1.875"	2,4

Incandescent





General Service

A19, A21, A23, PS25



- Emits a soft white light
- Ideal for standard residential and commercial applications where a longer life is desired



A19 3-Pack	A19 2-Pack		A21	A23	PS25
SOFT WHITE 25A/SW	CLEAR 25A/CL	FROST 25A	CLEAR 150A/CL/HL	CLEAR 200A/CL/HL	CLEAR 300PS25CL
			FROST 150A/HL	FROST 200A/HL	FROST 300PS25

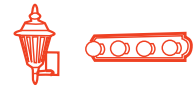
OMNI-DIRECTIONAL

For Halogen alternatives, see pg 70; for CFL alternatives, see pg 112; for Specialty alternatives, see pg 40-66; for LED alternatives, see Bulbrite's LED Catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67
25	A19	E26	112025	25A/SW	120	20 (3-PK) / 40 (3-PK)	Soft White	190	2000	4.25"	
			100025	25A	130	30 (2-PK) / 60 (2-PK)	Frost	110	3000	4.25"	1
			101025	25A/CL	130	30 (2-PK) / 60 (2-PK)	Clear	110	3000	4.25"	1
150	A21	E26	100151	150A/HL	120	24 / 120	Frost	2670	750	5.333"	
			101151	150A/CL/HL	120	24 / 120	Clear	2710	750	5.333"	
200	A23	E26	100201	200A/HL	120	24 / 120	Frost	2850	2500	6.25"	
			101201	200A/CL/HL	120	24 / 120	Clear	2900	2500	6.25"	
300	PS25	E26	100300	300PS25	130	12 / 60	Frost	3600	5000	7"	1
			101300	300PS25CL	130	12 / 60	Clear	3600	5000	7"	1

Rough Service

A19



- Rough Service bulbs features a heavy duty reinforced filament for increased durability
- Rough Service bulbs are ideal for restaurants and work areas



A19 2-Pack

CLEAR

40A/CL/RS-2PK
60A/CL/RS-2PK
75A/CL/RS-2PK
100A/CL/RS-2PK

A19 2-Pack

FROST

40A/RS-2PK
60A/RS-2PK
75A/RS-2PK
100A/RS-2PK

For Halogen alternatives, see pg 70; for CFL alternatives, see pg 112; for Specialty alternatives, see pg 40-66; for LED alternatives, see Bulbrite's LED Catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner / Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67
40	A19	E26	107140	40A/RS-2PK	130	6 (2-PK) / 60 (2-PK)	Frost Rough Service	235	5000	4.25"	1
			107240	40A/CL/RS-2PK	130	6 (2-PK) / 60 (2-PK)	Clear Rough Service	235	5000	4.25"	1
60	A19	E26	107160	60A/RS-2PK	130	6 (2-PK) / 60 (2-PK)	Frost Rough Service	425	5000	4.25"	1
			107260	60A/CL/RS-2PK	130	6 (2-PK) / 60 (2-PK)	Clear Rough Service	425	5000	4.25"	1
75	A19	E26	107175	75A/RS-2PK	130	6 (2-PK) / 60 (2-PK)	Frost Rough Service	580	5000	4.25"	1
			107275	75A/CL/RS-2PK	130	6 (2-PK) / 60 (2-PK)	Clear Rough Service	580	5000	4.25"	1
100	A19	E26	107200	100A/RS-2PK	130	6 (2-PK) / 60 (2-PK)	Frost Rough Service	870	5000	4.25"	1
			107300	100A/CL/RS-2PK	130	6 (2-PK) / 60 (2-PK)	Clear Rough Service	870	5000	4.25"	1

Lumens and Average Hours for 130V lamps are measured on a 120V line.

3-Way A19, A21, PS25



- Features 3 varying levels of light
- RP = Retail Pack
- Ideal for use in portable table lamps



A19
30/100

A21
30/100/RP
50/150
50/150/RP
50/250/RP

PS25
100/300/RP

For Halogen 3-Way alternatives, see pg 70; for CFL 3-Way alternatives, see pg 111; for True Daylight 3-Way alternatives, see pg 62.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.
30/70/100	A19	E26	102100	30/100	120	24 / 120	Soft White	270 / 780 / 1050	2500	4.25"
	A21	E26	102101	30/100/RP	120	12 / 12	Soft White	290 / 915 / 1205	1200	5.25"
50/100/150	A21	E26	102150	50/150	120	24 / 120	Soft White	310 / 930 / 1240	1200	5"
			102151	50/150/RP	120	12 / 12	Soft White	620 / 1540 / 2160	1200	5.25"
50/200/250	A21	E26	102250	50/250/RP	120	6 / 12	Soft White	640 / 3300 / 3940	1200	5"
100/200/300	PS25	E39	102300	100/300/RP	120	6 / 12	Frost	1385 / 3540 / 4925	1200	6.75"

Low & High Voltage

A15, A19



- Heavy duty filaments
- 12V is ideal for retrofitting landscape fixtures and recreational vehicles
- 220V is ideal for any high voltage application



A15 2-Pack

12V
15A15F/12

A19 2-Pack

12V
25A19F/12
50A19F/12

A19 2-Pack

220V
25A/220
40A/220
60A/220
75A/220
100A/220

OMNI-DIRECTIONAL

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner / Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67
15	A15	E26	110015	15A15F/12	12	24 (2-PK) / 60 (2-PK)	Frost	130	2000	3.5"	1
25	A19	E26	110025	25A19F/12	12	12 (2-PK) / 60 (2-PK)	Frost	240	2000	4.25"	1
			120025	25A/220	220	12 (2-PK) / 60 (2-PK)	Frost	180	1000	4.25"	1
40	A19	E26	120040	40A/220	220	12 (2-PK) / 60 (2-PK)	Frost	350	1000	4.25"	1
50	A19	E26	110050	50A19F/12	12	12 (2-PK) / 60 (2-PK)	Frost	580	2000	4.25"	1
60	A19	E26	120060	60A/220	220	12 (2-PK) / 60 (2-PK)	Frost	700	1000	4.25"	1
75	A19	E26	120075	75A/220	220	12 (2-PK) / 60 (2-PK)	Frost	1000	1000	4.25"	1
100	A19	E26	120100	100A/220	220	12 (2-PK) / 60 (2-PK)	Frost	1300	1000	4.25"	1

Lumens and Average Hours for 12V and 220V lamps are measured on a 120V line

Appliance

A15



- Appliance lamps are made with vibration resistant filaments held in place by 5 anchors to extend life
- A15 lamps are ideal for refrigerators, freezers and ovens



A15

FROST
25A15F
40A15F
B40A15F

A15

CLEAR
25A15C
40A15C
B40A15C

For Low Voltage A15 alternatives, see pg 21; for Shatter Resistant A15 alternatives, see pg 66.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67
25	A15	E26	104025	25A15F	130	24 / 120	Frost	175	2500	3.5"	1
			104125	25A15C	130	24 / 120	Clear	175	2500	3.5"	1
40	A15	E26	104040	40A15F	130	24 / 120	Frost	350	2500	3.5"	1
			184040	B40A15F	130	10 / 120	Frost-Blister Card	350	3750	3.5"	D,1
			104140	40A15C	130	24 / 120	Clear	340	2500	3.5"	1
			184140	B40A15C	130	10 / 120	Clear-Blister Card	350	3750	3.5"	D,1



Fan

A15, R16

- Made with vibration resistant filament for longer life
- Operates in any position
- Ideal for use in ceiling fans



A15 CANELABRA (E12)

FROST
60A15F/E12

CLEAR
60A15C/E12

A15 INTERMEDIATE (E12)

FROST
40A15F/E17

CLEAR
40A15C/E17



R16 CANELABRA (E12)

50R16/E12

R16 INTERMEDIATE (E17)

50R16/E17

OMNI-DIRECTIONAL

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67
40	A15	E17	104240	40A15F/E17	130	24 / 120	Frost	350	3750	3.25"	1
			104241	40A15C/E17	130	24 / 120	Clear	350	3750	3.25"	1
50	R16	E17	210250	50R16/E17	130	24 / 120	Flood	380	3750	3.313"	1
		E12	210050	50R16/E12	130	24 / 120	Flood	380	3750	3.313"	1
60	A15	E12	104360	60A15F/E12	130	24 / 120	Frost	620	3750	3.313"	1
			104361	60A15C/E12	130	24 / 120	Clear	620	3750	3.313"	1

Lumens and Average Hours for 130V lamps are measured on a 120V line.

Globe - Candelabra Base

G9, G12



- Available in clear, white and colors
- Ideal for decorative lighting in amusement parks, signs and displays



G9 MATTE

WHITE
10G9WH

G12

WHITE
10G12WH
15G12WH
25G12WH

G12 CLEAR

CLEAR
10G12CL
15G12CL
25G12CL
40G12CL

For Krystal Touch G11 alternatives, see pg 100.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67
10	G9	E12	300005	10G9WH	130	25 / 500	Matte White	50	2500	1.875"	1
	G12	E12	300010	10G12WH	130	25 / 500	White	50	2500	2.375"	1
			301010	10G12CL	130	25 / 500	Clear	50	2500	2.375"	1
15	G12	E12	300015	15G12WH	130	25 / 500	White	95	2500	2.375"	1
			301015	15G12CL	130	25 / 500	Clear	95	2500	2.375"	1
25	G12	E12	300025	25G12WH	130	25 / 500	White	180	2500	2.375"	1
			301025	25G12CL	120	25 / 500	Clear	180	2500	2.375"	1
40	G12	E12	301040	40G12CL	120	25 / 500	Clear	350	2500	2.375"	1

Globe - Candelabra Base

G16½



- Ideal for residential use in vanity and home décor lighting



G16½ WHITE

120V	130V
15G16WH2	15G16WH3
15G16WH2	25G16WH3
15G16WH2	40G16WH3
15G16WH2	60G16WH3
B25G16WH	
B40G16WH	

G16½ CLEAR

120V	130V
15G16CL2	15G16CL3
15G16CL2	25G16CL3
15G16CL2	40G16CL3
15G16CL2	60G16CL3
B25G16CL	
B40G16CL	

For Specialty alternatives, see pg 40-47.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner / Master	Description	Lumens	Average Hours	M.O.L.	Notes
15	G16½	E12	310115	15G16WH3	130	25 / 500	White	70	5000	2.75"	1
			391015	15G16WH2	120	25 / 500	White	95	2000	2.75"	
			311015	15G16CL3	130	25 / 500	Clear	75	5000	2.75"	1
			391115	15G16CL2	120	25 / 500	Clear	105	2000	2.75"	
25	G16½	E12	310125	25G16WH3	130	25 / 500	White	135	3750	2.75"	1
			391025	25G16WH2	120	25 / 500	White	180	1500	2.75"	
			381025	B25G16WH	120	10 (2-PK) / 120 (2-PK)	White-Blister Card	180	1500	2.75"	
			311025	25G16CL3	130	25 / 500	Clear	165	3750	2.75"	1
			391125	25G16CL2	120	25 / 500	Clear	220	1500	2.75"	
			381125	B25G16CL	120	10 (2-PK) / 120 (2-PK)	Clear-Blister Card	220	1500	2.75"	
40	G16½	E12	310140	40G16WH3	130	25 / 500	White	250	3750	2.75"	1
			391040	40G16WH2	120	25 / 500	White	330	1500	2.75"	
			381040	B40G16WH	120	10 (2-PK) / 120 (2-PK)	White-Blister Card	330	1500	2.75"	
			311040	40G16CL3	130	25 / 500	Clear	280	3750	2.75"	1
			391140	40G16CL2	120	25 / 500	Clear	370	1500	2.75"	
			381140	B40G16CL	120	10 (2-PK) / 120 (2-PK)	Clear-Blister Card	370	1500	2.75"	
60	G16½	E12	310160	60G16WH3	130	25 / 500	White	435	3750	2.75"	1
			391060	60G16WH2	120	25 / 500	White	580	1500	2.75"	
			311060	60G16CL3	130	25 / 500	Clear	490	3750	2.75"	1
			391160	60G16CL2	120	25 / 500	Clear	650	1500	2.75"	

Lumens and Average Hours for 130V lamps are measured on a 120V line.

Globe - Medium Base

G16½, G19



- Ideal for residential use in vanity and home décor lighting



G16½

WHITE
25G16EWH
40G16EWH



G16½

CLEAR
25G16ECL
40G16ECL



G19

WHITE
25G19WH



G19

CLEAR
25G19CL

For Specialty alternatives, see pg 40-47; for LED G14 alternatives, see Bulbrite's LED Catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67
25	G16½	E26	310225	25G16EWH	125	25 / 250	White	180	1500	2.875"	1
			311225	25G16ECL	125	25 / 250	Clear	220	1500	2.875"	1
	G19	E26	320025	25G19WH	125	25 / 250	White	160	1500	3.5"	1
			321025	25G19CL	125	25 / 250	Clear	180	1500	3.5"	1
40	G16½	E26	310240	40G16EWH	125	25 / 250	White	330	1500	2.875"	1
			311240	40G16ECL	125	25 / 250	Clear	370	1500	2.875"	1

Globe - Medium Base

G25, G30, G40



- Ideal for general residential applications



G25

WHITE

120V

25G25WH2
40G25WH2

130V

25G25WH3
40G25WH3

G30

WHITE

125V

25G30WH
40G30WH

G40

WHITE

125V

25G40WH
40G40WH
60G40WH
100G40WH
150G40WH

G25

CLEAR

120V

25G25CL2
40G25CL2

130V

25G25CL3
40G25CL3

G40

CLEAR

125V

25G40CL
40G40CL
60G40CL
100G40CL
150G40CL

For CFL G25 & G30 alternatives, see pg 113; for Specialty alternatives see pg 40-47; for LED G25 alternatives, see Bulbrite's LED Catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.	Notes
25	G25	E26	330025	25G25WH3	130	24 / 120	White	115	3750	4.375"	1
			393002	25G25WH2	120	24 / 120	White	130	3000	4.375"	
			331025	25G25CL3	130	24 / 120	Clear	135	3750	4.375"	1
			393102	25G25CL2	120	24 / 120	Clear	150	3000	4.375"	
	G30	E26	340025	25G30WH	125	12 / 96	White	15	1500	5.125"	1
			350025	25G40WH	125	12 / 24	White	150	1500	6.75"	1
	G40	E26	351025	25G40CL	125	12 / 24	Clear	180	1500	6.75"	1
40	G25	E26	330040	40G25WH3	130	24 / 120	White	225	3750	4.375"	1
			393004	40G25WH2	120	24 / 120	White	280	3000	4.375"	
			331040	40G25CL3	130	24 / 120	Clear	255	3750	4.375"	1
			393104	40G25CL2	120	24 / 120	Clear	300	2500	4.375"	
	G30	E26	340040	40G30WH	125	12 / 96	White	300	1500	5.125"	1
			350040	40G40WH	125	12 / 24	White	300	1500	6.75"	1
	G40	E26	351040	40G30CL	125	12 / 24	Clear	340	1500	6.75"	1
60	G40	E26	350060	60G40WH	125	12 / 24	White	570	1500	6.75"	1
			351060	60G40CL	125	12 / 24	Clear	610	1500	6.75"	1
100	G40	E26	350100	100G40WH	125	12 / 24	White	1120	1500	6.75"	1
			351100	100G40CL	125	12 / 24	Clear	1200	1500	6.75"	1
150	G40	E26	350150	150G40WH	125	12 / 24	White	1600	1500	6.75"	1
			351150	150G40CL	125	12 / 24	Clear	1700	1500	6.75"	1

Lumens and Average Hours for 125V and 130V lamps are measured on a 120V line.

Torpedo - 25mm

B8



- Slender shape and soft white light highlights any area for a classic atmosphere
- 25mm diameter ideal for small chandeliers
- Ideal for decorative lighting in homes and commercial areas



TORPEDO 25mm

CLEAR

120V	130V
15CTC/25/2	5CTC/25/3
25CTC/25/2	15CTC/25/3
40CTC/25/2	25CTC/25/3
	40CTC/25/3

TORPEDO 25mm

FROST

120V	130V
15CTF/25/2	15CTF/25/3
25CTF/25/2	25CTF/25/3
40CTF/25/2	40CTF/25/3

For Krystal Touch® alternatives, see pg 101; for CFL alternatives, see pg 113; for LED alternatives, see Bulbrite's LED Catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67
5	B8	E12	400105	5CTC/25/3	130	25 / 500	Clear	25	6250	3.125"	1
15	B8	E12	400115	15CTC/25/3	130	25 / 500	Clear	75	5000	3.125"	1
			490115	15CTC/25/2	120	25 / 500	Clear	105	1500	3.125"	
			401115	15CTF/25/3	130	25 / 500	Frost	75	5000	3.125"	1
25	B8	E12	491115	15CTF/25/2	120	25 / 500	Frost	105	2000	3.125"	
			400125	25CTC/25/3	130	25 / 500	Clear	165	3750	3.125"	1
			490125	25CTC/25/2	120	25 / 500	Clear	220	1500	3.125"	
40	B8	E12	401125	25CTF/25/3	130	25 / 500	Frost	165	3750	3.125"	1
			491125	25CTF/25/2	120	25 / 500	Frost	220	1500	3.125"	
			400140	40CTC/25/3	130	25 / 500	Clear	280	3750	3.125"	1
40	B8	E12	490140	40CTC/25/2	120	25 / 500	Clear	370	1500	3.125"	
			401140	40CTF/25/3	130	25 / 500	Frost	280	3750	3.125"	1
40	B8	E12	491140	40CTF/25/2	120	25 / 500	Frost	370	1500	3.125"	

Torpedo - 32mm

B10



- Slender shape and soft white light highlights any area for a classic atmosphere
- 32mm diameter ideal for small chandeliers
- Ideal for decorative lighting in homes and commercial areas



TORPEDO 32mm

CLEAR

120V

25CTC/32/2
40CTC/32/2
60CTC/32/2
B25CTC
B40CTC
B60CTC

130V

5CTC/32/3
25CTC/32/3
40CTC/32/3
60CTC/32/3



TORPEDO 32mm

FROST

120V

25CTF/32/2
40CTF/32/2
60CTF/32/2
B25CTF
B40CTF
B60CTF

130V

25CTF/32/3
40CTF/32/3
60CTF/32/3



TORPEDO 32mm

WHITE

130V

25CTW/32/3
40CTW/32/3
60CTW/32/3

For Krystal Touch® alternatives, see pg 101; for CFL alternatives, see pg 113; for LED alternatives, see Bulbrite's LED Catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner / Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67
5	B10	E12	400005	5CTC/32/3	130	25 / 500	Clear	25	6250	3.875"	1
25	B10	E12	402025	25CTW/32/3	130	25 / 500	White	140	3750	3.875"	1
			400025	25CTC/32/3	130	25 / 500	Clear	165	3750	3.875"	1
			490025	25CTC/32/2	120	25 / 500	Clear	220	1500	3.875"	
			401025	25CTF/32/3	130	25 / 500	Frost	165	3750	3.875"	1
			491025	25CTF/32/2	120	25 / 500	Frost	220	1500	3.875"	
			480025	B25CTC	120	10 (2-PK) / 120 (2-PK)	Clear - Blister Card	220	1500	3.875"	
			481025	B25CTF	120	10 (2-PK) / 120 (2-PK)	Frost - Blister Card	220	1500	3.875"	
40	B10	E12	402040	40CTW/32/3	130	25 / 500	White	240	3750	3.875"	1
			400040	40CTC/32/3	130	25 / 500	Clear	280	3750	3.875"	1
			490040	40CTC/32/2	120	10 (2-PK) / 120 (2-PK)	Clear	370	1500	3.875"	
			401040	40CTF/32/3	130	10 (2-PK) / 120 (2-PK)	Frost	280	3750	3.875"	1
			491040	40CTF/32/2	120	25 / 500	Frost	370	1500	3.875"	
			480040	B40CTC	120	25 / 500	Clear - Blister Card	370	1500	3.875"	
			481040	B40CTF	120	25 / 500	Frost - Blister Card	370	1500	3.875"	
60	B10	E12	402060	60CTW/32/3	130	25 / 500	White	415	3750	3.875"	1
			400060	60CTC/32/3	130	25 / 500	Clear	490	3750	3.875"	1
			490060	60CTC/32/2	120	25 / 500	Clear	650	1500	3.875"	
			401060	60CTF/32/3	130	25 / 500	Frost	490	3750	3.875"	1
			491060	60CTF/32/2	120	25 / 500	Frost	650	1500	3.875"	
			480060	B60CTC	120	10 (2-PK) / 120 (2-PK)	Clear - Blister Card	650	1500	3.875"	
			481060	B60CTF	120	10 (2-PK) / 120 (2-PK)	Frost - Blister Card	650	1500	3.875"	

Lumens and Average Hours for 130V lamps are measured on a 120V line.

Flame - Candelabra Base

CA5, CA7, CA8



- Imitates the shape of a flame for a classic look
- Smaller diameter ideal for mini chandeliers
- Ideal for decorative lighting in homes and commercial areas



FLAME 15mm

CLEAR 130V	FROST 130V	YELLOW TIP 130V
7.5CFC/15/3	7.5CFF/15/3	7.5CFFY/15/3

FLAME 20mm

FROST 130V	CLEAR 130V
10CFF/20/3	10CFC/20/3

FLAME 25mm

FROST 120V	CLEAR 120V
15CFF/25/2	15CFC/25/2
25CFF/25/2	25CFC/25/2
40CFF/25/2	40CFC/25/2
FROST 130V	CLEAR 130V
15CFF/25/3	15CFC/25/3
25CFF/25/3	25CFC/25/3
40CFF/25/3	40CFC/25/3

OMNI-DIRECTIONAL

For Krystal Touch® alternatives, see pg 101; for CFL alternatives, see pg 113; for LED alternatives, see Bulbrite's LED Catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67
7.5	CA5	E12	403307	7.5CFC/15/3	130	25 / 500	Clear	40	2500	2.875"	1
			404307	7.5CFF/15/3	130	25 / 500	Frost	40	2500	2.875"	1
			404317	7.5CFFY/15/3	130	25 / 500	Yellow	40	2500	2.875"	1
10	CA7	E12	403210	10CFC/20/3	130	25 / 500	Clear	55	5000	3"	1
			404210	10CFF/20/3	130	25 / 500	Frost	55	5000	3"	1
15	CA8	E12	403115	15CFC/25/3	130	25 / 500	Clear	75	5000	3.5"	1
			493115	15CFC/25/2	120	25 / 500	Clear	105	2000	3.5"	
			404115	15CFF/25/3	130	25 / 500	Frost	75	5000	3.5"	1
			494115	15CFF/25/2	120	25 / 500	Frost	105	2000	3.5"	
25	CA8	E12	403125	25CFC/25/3	130	25 / 500	Clear	165	3750	3.5"	1
			493125	25CFC/25/2	120	25 / 500	Clear	220	1500	3.5"	
			404125	25CFF/25/3	130	25 / 500	Frost	165	3750	3.5"	1
			494125	25CFF/25/2	120	25 / 500	Frost	220	1500	3.5"	
40	CA8	E12	403140	40CFC/25/3	130	25 / 500	Clear	280	3750	3.5"	1
			493140	40CFC/25/2	120	25 / 500	Clear	370	1500	3.5"	
			404140	40CFF/25/3	130	25 / 500	Frost	280	3750	3.5"	1
			494140	40CFF/25/2	120	25 / 500	Frost	370	1500	3.5"	

Flame - Candelabra Base

CA10



- Imitates the shape of a flame for a classic look
- 32mm diameter ideal for standard size chandeliers
- Ideal for decorative lighting in homes and commercial areas



FLAME 32mm

CLEAR 120V

25CFC/32/2
40CFC/32/2
60CFC/32/2
B25CFC
B40CFC
B60CFC

130V

25CFC/32/3
40CFC/32/3
60CFC/32/3



FLAME 32mm

FROST 120V

25CFF/32/2
40CFF/32/2
60CFF/32/2
B25CFF
B40CFF
B60CFF

130V

25CFF/32/3
40CFF/32/3
60CFF/32/3

For Krystal Touch® alternatives, see pg 101; for CFL alternatives, see pg 113; for LED alternatives, see Bulbrite's LED Catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner / Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67
25	CA10	E26	403025	25CFC/32/3	130	25 / 500	Clear	165	3750	4"	1
			493025	25CFC/32/2	120	25 / 500	Clear	220	1500	4"	
			404025	25CFF/32/3	130	25 / 500	Frost	165	3750	4"	1
			494025	25CFF/32/2	120	25 / 500	Frost	220	1500	4"	
			483025	B25CFC	120	10 (2-PK) / 120 (2-PK)	Clear-Blister Card	220	1500	4"	
			484025	B25CFF	120	10 (2-PK) / 120 (2-PK)	Frost-Blister Card	220	1500	4"	
40	CA10	E12	403040	40CFC/32/3	130	25 / 500	Clear	280	3750	4"	1
			493040	40CFC/32/2	120	25 / 500	Clear	370	1500	4"	
			404040	40CFF/32/3	130	25 / 500	Frost	280	3750	4"	1
			494040	40CFF/32/2	120	25 / 500	Frost	370	1500	4"	
			483040	B40CFC	120	10 (2-PK) / 120 (2-PK)	Clear-Blister Card	370	1500	4"	
			484040	B40CFF	120	10 (2-PK) / 120 (2-PK)	Frost-Blister Card	370	1500	4"	
60	CA10	E12	403060	60CFC/32/3	130	25 / 500	Clear	490	3750	4"	1
			493060	60CFC/32/2	120	25 / 500	Clear	650	1500	4"	
			404060	60CFF/32/3	130	25 / 500	Frost	790	3750	4"	1
			494060	60CFF/32/2	120	25 / 500	Frost	650	1500	4"	
			483060	B60CFC	120	10 (2-PK) / 120 (2-PK)	Clear-Blister Card	650	1500	4"	
			484060	B60CFF	120	10 (2-PK) / 120 (2-PK)	Frost-Blister Card	650	1500	4"	

Lumens and Average Hours for 130V lamps are measured on a 120V line.

Torpedo & Flame - Medium Base

B10, CA10



- Torpedo and flame shapes emit a soft white light that highlights an area for a classic atmosphere
- Ideal for decorative lighting in homes and commercial areas



TORPEDO CLEAR		TORPEDO FROST		FLAME CLEAR		FLAME FROST	
120V	130V	120V	130V	120V	130V	120V	130V
25ETC/2	25ETC/3	25ETF/2	25ETF/3	40EFC/2	25EFC/3	B25EFF	25EFF/3
40ETC/2	40ETC/3	40ETF/2	40ETF/3	B25EFC	40EFC/3	B40EFF	40EFF/3
B25ETC		B25ETF		B40EFC			
B40ETC		B40ETF					

For Krystal Touch® alternatives, see pg 101; for CFL alternatives, see pg 113; for LED alternatives, see Bulbrite's LED Catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67		
25	B10	E26	405025	25ETC/3	130	25 / 500	Clear	120	2500	3.875"	1		
			495025	25ETC/2	120	25 / 500	Clear	160	2000	3.875"			
			406025	25ETF/3	130	25 / 500	Frost	120	5000	3.875"	1		
			496025	25ETF/2	120	25 / 500	Frost	160	2000	3.875"			
			485025	B25ETC	120	10 (2-PK) / 120 (2-PK)	Clear-Blister Card	160	2000	3.875"			
			486025	B25ETF	120	10 (2-PK) / 120 (2-PK)	Frost-Blister Card	160	2000	3.875"			
40	B10	E26	408025	25EFC/3	130	25 / 500	Clear	165	3750	4"	1		
			409025	25EFF/3	130	25 / 500	Frost	165	3750	4"	1		
			488025	B25EFC	120	10 (2-PK) / 120 (2-PK)	Clear-Blister Card	190	2000	4"			
			489025	B25EFF	120	10 (2-PK) / 120 (2-PK)	Frost-Blister Card	175	2000	4"			
			405040	40ETC/3	130	25 / 500	Clear	225	5000	3.875"	1		
			495040	40ETC/2	120	25 / 500	Clear	300	2000	3.875"			
40	B10	E26	406040	40ETF/3	130	25 / 500	Frost	225	5000	3.875"	1		
			496040	40ETF/3	120	25 / 500	Frost	300	2000	3.875"			
			485040	B40ETC	120	10 (2-PK) / 120 (2-PK)	Clear-Blister Card	280	2000	3.875"			
			486040	B40ETF	120	10 (2-PK) / 120 (2-PK)	Frost-Blister Card	300	2000	3.875"			
			CA10	E26	408040	40EFC/3	130	25 / 500	Clear	280	3750	4"	1
			498040		40EFC/2	120	25 / 500	Clear	370	1500	4"		
			409040		40EFF/3	130	25 / 500	Frost	280	3750	4"	1	
			488040		B40EFC	120	10 (2-PK) / 120 (2-PK)	Clear-Blister Card	340	2000	4"		
			489040	B40EFF	120	10 (2-PK) / 120 (2-PK)	Frost-Blister Card	340	2000	4"			

Torpedo & Flame - Candelabra & European Base

B10, CA10 - 130V, 220V



- 220V ideal for high voltage applications
- Ideal for decorative lighting in homes and commercial areas



TORPEDO (E14)

CLEAR

130V

25CTC/E14
40CTC/E14
60CTC/E14

TORPEDO (E14)

FROST

130V

25CTF/E14
40CTF/E14
60CTF/E14

TORPEDO (E12)

CLEAR

220V

25CTC/HV
40CTC/HV
60CTC/HV

FLAME (E12)

CLEAR

220V

25CFC/HV
40CFC/HV
60CFC/HV

OMNI-DIRECTIONAL

Incandescent

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67
25	B10	E14	400425	25CTC/E14	130	25 / 500	Clear	180	2500	4"	1
			401425	25CTF/E14	130	25 / 500	Frost	180	2500	4"	1
		E12	400525	25CTC/HV	220	25 / 500	Clear	170	3000	3.875"	1
	CA10	E12	403525	25CFC/HV	220	25 / 500	Clear	165	3000	4"	1
40	B10	E14	400440	40CTC/E14	130	325 / 500	Clear	350	2500	4"	1
			401440	40CTF/E14	130	25 / 500	Frost	350	2500	4"	1
		E12	400540	40CTC/HV	220	25 / 500	Clear	345	3000	3.875"	1
	CA10	E12	403540	40CFC/HV	220	25 / 500	Clear	320	3000	4"	1
60	B10	E14	400460	60CTC/E14	130	25 / 500	Clear	540	2500	4"	1
			401460	60CTF/E14	130	25 / 500	Frost	540	2500	4"	1
		B10	E12	400560	60CTC/HV	220	25 / 500	Clear	560	3000	3.875"
	CA10	E12	403560	60CFC/HV	220	25 / 500	Clear	575	3000	4"	1

Lumens and Average Hours for 130V and 220V lamps are measured on a 120V line.

Mini-Reflectors

R12, R14, R16



- Ideal for dramatic accent and display lighting as well as general applications



R12 ELEVATOR LAMP (S.C. BAY)

1383



R14 INTERMEDIATE (E17)

25R14N
40R14N



R14 EUROPEAN (E14)

40R14/E14



R14 MEDIUM (E26)

25R14
40R14



R16 FAN BULB (E12)

50R16/E12



R16 FAN BULB (E17)

50R16/E17



R16 INTERMEDIATE (E17)

40R16N



R16 MEDIUM (E26)

40R16

DIRECTIONAL

For R12 1383 Shatter Resistant alternatives, see pg 66; for LED 1383 alternatives, see Bulbrite's LED catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	CBCP	Average Hours	M.O.L.	Notes pg. 67
20	R12	BA15s	752530	1383	13	10 / 10	Flood	135	83	300	2.5625"	1
25	R14	E17	201025	25R14N	120	25 / 50	Flood	160	32	1500	2.5"	
		E26	200025	25R14	120	25 / 50	Flood	150	22	1500	2.125"	
40	R14	E17	201040	40R14N	120	25 / 250	Flood	280	62	1500	2.5"	
		E14	208040	40R14/E14	130	25 / 250	Flood	280	36	3750	2.625"	1
		E26	200040	40R14	120	25 / 250	Flood	280	51	1500	2.125"	
	R16	E17	211040	40R16N	120	25 / 250	Flood	280	68	1500	3.125"	
		E26	210040	40R16	120	25 / 250	Flood	330	35	1500	3.375"	
50	R16	E12	210050	50R16/E12	130	24 / 120	Flood	380	80	3750	3.3125"	1
		E17	210250	50R16/E17	130	24 / 120	Flood	380	83	3750	3.3125"	1

Indoor Reflectors

R20, BR30, BR40



- Ideal for indoor residential and commercial use in recessed and track lighting

R20 FLOOD

120V	130V
30R20FL2	30R20FL3
45R20FL2	45R20FL3

SPOT

120V	130V
45R20SP2	45R20SP3




BR30 FLOOD

120V	130V
50BR30FL2	50BR30FL3
65BR30FL2	65BR30FL3

SPOT

120V	130V
65BR30SP2	65BR30SP3

2-PACK

120V	130V
65BR30FL2/2P	65BR30FL3/2P



BR40

120V	130V
65BR40FL2	65BR40FL3

BR40 HEAT LAMP

CLEAR	RED
250BR40H	250BR40HR

For Halogen alternatives, see pg 92; for CFL alternatives, see pg 114-115; for Specialty alternatives, see pg 55-66; for LED alternatives, see Bulbrite's LED catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner / Master	Description	Lumens	CBCP	Average Hours	M.O.L.	Notes pg. 22
30	R20	E26	220030	30R20FL3	130	25 / 200	Flood	170	32	5000	4"	1
			292003	30R20FL2	120	25 / 200	Flood	170	57	2000	4"	
45	R20	E26	220045	45R20FL3	130	25 / 200	Flood	340	97	5000	4"	1
			221045	45R20FL2	120	25 / 200	Flood	340	143	2000	4"	
			292104	45R20SP2	120	25 / 200	Flood	350	199	5000	3.875"	1
50	BR30	E26	248005	50BR30FL3	130	12 / 48	Flood	275	152	5000	5.125"	Ⓔ,1
			294805	50BR30FL2	120	12 / 48	Flood	380	129	2000	5.125"	
			248006	65BR30FL3	130	12 / 48	Flood	470	146	5000	5.125"	Ⓔ,1
			248026	65BR30FL3/2P	130	30 (2-PK) / 30 (2-PK)	Flood	470	146	5000	5.125"	Ⓔ,1
			294806	65BR30FL2	120	12 / 48	Flood	630	257	2000	5.125"	
65	BR30	E26	294826	65BR30FL2/2P	120	30 (2-PK) / 60 (2-PK)	Flood	630	257	2000	5.125"	
			248106	65BR30SP3	130	12 / 48	Spot	470	457	5000	5.125"	Ⓔ,1
			294816	65BR30SP2	120	12 / 48	Spot	640	431	2000	5.125"	
65	BR40	E26	258006	65BR40FL3	130	12 / 24	Flood	470	173	5000	6.5"	Ⓔ,1
			295806	65BR40FL2	120	12 / 24	Flood	630	247	2000	6.5"	
250	BR40	E26	714025	250BR40H	130	6 / 12	Clear Heat Lamp	3,000	-	5000	6.875"	Ⓔ,1
			714125	250BR40HR	130	6 / 12	Red Heat Lamp	-	-	5000	6.875"	Ⓔ,1

Lumens and Average Hours for 130V lamps are measured on a 120V line.

BULBRITE® Nostalgic Collection

SPECIALTY



Nostalgic Counter Display
Item # : 900031
Ord. Code : NOS/SUITCASE

11.5" x 9.5" x 4.5"
Contains 4 E26 Base Sockets

Meticulously crafted to preserve the look of early 20th-century lighting, Bulbrite's Nostalgic Collection is the perfect complement to any vintage or contemporary décor. Recognized for their antique finish, defined steeple and intricate filament design, these bulbs are ideal for any transparent light fixture, both indoor and outdoor.

- Excellent replica of antique light bulbs
- Bright filaments give off a warm, amber glow
- Perfect accent for any antique decor
- Ideal for portables, ceiling fixtures, outdoor lighting and signage/displays



Centennial | Gem | Lantern

CENTENNIAL

Bulbrite's exclusive Centennial Bulb is meticulously crafted to preserve the look of the longest burning light bulb in history. Acknowledged for its long life by Guinness World Records, this is an authentic replica of the original Shelby bulb first manufactured in the 1890s. Currently lit at Fire Station Number 6 in Livermore, CA the bulb has been on for over 1,000,000 hours!



NOS40-CENT

GEM

Inspired by the geometric qualities of a gem, Bulbrite's Nostalgic Gem combines contemporary lines with a classic look and feel. A strong accent piece to any décor, this lamp looks even better when paired with similar geometric shaped fixtures.



NOS40-GEM

LANTERN

Influenced by vintage oil lanterns, Bulbrite's Nostalgic Lantern brings an antique element into any space. With a similar look and feel to the shape of these early, iconic light sources, the Nostalgic Lantern introduces an appreciation for history to lighting.



NOS40-LANTERN

SPECIALTY

For LED Nostalgic Filament alternatives, see Bulbrite's LED Catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/ Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67
40	Centennial	E26	132519	NOS40-CENT	120	6 / 96	Antique	180	3000	3.875"	2
	Gem	E26	132518	NOS40-GEM	120	6 / 96	Antique - Spiral	130	3000	3.75"	2
	BT27	E26	132521	NOS40-LANTERN	120	6 / 48	Antique - Loop	130	3000	4.5"	2

Shatter Resistant and 230 Volt options are available by special order. Contact a Certified Lighting Specialist at 800-528-5555 or sales@bulbrite.com for more information.

Nostalgic Collection miniNostalgics



- Candelabra base for use in chandeliers and sconces
- Compact size for smaller lighting designs
- Handcrafted with defined steeple and intricate filament designs
- Antique finish for authentic vintage feel



miniNostalgic COLLECTION

**THREAD
FILAMENT T6**
NOS25T6/SQ/E12

**THREAD
FILAMENT ST15**
NOS25ST15/SQ/E12

**SPIRAL
FILAMENT ST15**
NOS25ST15/E12



miniNostalgic COLLECTION

**A15
THREAD FILAMENT**
NOS25A15/SQ/E12

**A15
LOOP FILAMENT**
NOS25A15/LP/E12

**T8
THREAD FILAMENT**
NOS40T8/E12

For LED Nostalgic Filament alternatives, see Bulbrite's LED Catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67
25	T6	E12	132506	NOS25T6/SQ/E12	120	25 / 200	Antique - Thread	40	3000	3.313"	2
	ST15	E12	132510	NOS25T15/SQ/E12	120	10 / 50	Antique - Thread	35	2000	3.75"	2
			132511	NOS25T15/E12	120	10 / 50	Antique - Spiral	35	2000	3.75"	2
40	A15	E12	132515	NOS25A15/SQ/E12	120	10 / 50	Antique - Thread	35	2000	3.75"	2
			132516	NOS25A15/LP/E12	120	10 / 50	Antique - Loop	35	2000	3.75"	2
40	T8	E12	132517	NOS40T8/E12	120	1 / 10	Antique - Thread	-	3000	3.63"	2

Shatter Resistant and 230 Volt options are available by special order. Contact a Certified Lighting Specialist at 800-528-5555 or sales@bulbrite.com for more information.

Nostalgic Collection

Grand Nostalgics



- Medium base for use in ceiling fixtures and pendants
- Large glass envelope creates a standalone accent
- Features intricate filament designs
- Antique finish for authentic vintage feel

Incandescent

SPECIALTY



GRAND NOSTALGIC COLLECTION

**SPIRAL
FILAMENT PS56**

NOS60-PS

**THREAD
FILAMENT BT56**

NOS60-BT

**SPIRAL
FILAMENT ET25**

NOS60-ET

For LED Nostalgic Filament alternatives, see Bulbrite's LED Catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.	M.O.L.
60	PS56	E26	137101	NOS60-PS	120	1 / 4	Antique - Spiral	150	3000	12.21"	6.3"
60	BT56	E26	137201	NOS60-BT	120	1 / 4	Antique - Thread	150	2000	10.16"	4.64"
60	ET25	E26	132301	NOS60-ET	120	1 / 4	Antique - Spiral	150	2000	12.666"	3.25"

230 Volt options are available by special order. Contact a Certified Lighting Specialist at 800-528-5555 or sales@bulbrite.com for more information.

Nostalgic Collection

Signature, A-Shape



- Medium base for use in outdoor lanterns, ceiling fixtures and pendants
- Versatile lamp that can add aesthetic appeal to any décor
- Handcrafted with defined steeple and intricate filament designs
- Antique finish for authentic vintage feel



A-SHAPE COLLECTION

A19 LOOP FILAMENT

NOS25-VICTOR
NOS40-VICTOR
NOS60-VICTOR

A21 LOOP FILAMENT

NOS25-VICTOR/A21
NOS40-VICTOR/A21

A23 LOOP FILAMENT

NOS25-VICTOR/A23
NOS40-VICTOR/A23



SIGNATURE COLLECTION

ST18 HAIRPIN FILAMENT

NOS40-1890

ST18 THREAD FILAMENT

NOS40-1910
NOS60-1910

SPECIALTY

For LED Nostalgic Filament alternatives, see Bulbrite's LED Catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67
25	A19	E26	132520	NOS25-VICTOR	120	6 / 96	Antique - Loop	50	3000	4.5"	2
	A21	E26	132530	NOS25-VICTOR/A21	120	6 / 48	Antique - Loop	40	3000	5"	2
	A23	E26	132540	NOS25-VICTOR/A23	120	6 / 48	Antique - Loop	45	3000	5.5"	2
40	A19	E26	134020	NOS40-VICTOR	120	6 / 96	Antique - Loop	130	3000	4.5"	2
	A21	E26	134030	NOS40-VICTOR/A21	120	6 / 48	Antique - Loop	110	3000	5"	2
	A23	E26	134040	NOS40-VICTOR/A23	120	6 / 48	Antique - Loop	110	3000	5.5"	2
	ST18	E26	134018	NOS40-1890	120	6 / 96	Antique - Hairpin	135	3000	5.125"	2
			134019	NOS40-1910	120	6 / 96	Antique - Thread	135	3000	5.125"	2
60	A19	E26	136020	NOS60-VICTOR	120	6 / 96	Antique - Loop	200	3000	4.5"	2
	ST18	E26	136019	NOS60-1910	120	6 / 96	Antique - Thread	200	3000	5.125"	2

Shatter Resistant and 230 Volt options are available by special order. Contact a Certified Lighting Specialist at 800-528-5555 or sales@bulbrite.com for more information.

Nostalgic Collection

Globe, Tubular



- Medium base for use in pendants and sconces
- Enhances the overall design of any decorative lighting fixture
- Sleep form for a more modern look
- Handcrafted with an intricate filament design
- Antique finish for authentic vintage feel



GLOBE COLLECTION

**G30
THREAD FILAMENT**
NOS40G30

TUBULAR COLLECTION

**T9
HAIRPIN FILAMENT**
NOS30T9

**T9 LONG
SPIRAL FILAMENT**
NOS40T9/L

**T14
SPIRAL FILAMENT**
NOS40T14

**T14
THREAD FILAMENT**
NOS40T14/SQ

For LED Nostalgic Filament alternatives, see Bulbrite's LED Catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67
30	T9	E26	133009	NOS30T9	120	12 / 96	Antique - Harpin	40	3000	7.438"	2
			134008	NOS40T9/L	120	12 / 72	Antique - Spiral	120	3000	11"	2
	T14	E26	134014	NOS40T14	120	10 / 100	Antique - Spiral	135	3000	4.25"	2
			134015	NOS40T14/SQ	120	10 / 100	Antique - Thread	135	3000	4.25"	2
	G30	E26	342040	NOS40G30	120	6 / 48	Antique - Thread	140	3000	5.125"	2

Shatter Resistant and 230 Volt options are available by special order. Contact a Certified Lighting Specialist at 800-528-5555 or sales@bulbrite.com for more information.

Nostalgic Smoke Collection miniNostalgics



- Candelabra base for use in chandeliers and sconces
- Compact size for smaller lighting designs
- Handcrafted with defined steeple and intricate filament designs
- Smoke finish for a vintage industrial feel



miniNOSTALGIC COLLECTION

**ST15
THREAD FILAMENT**
NOS25ST15/SQ/E12/SMK

**A15
LOOP FILAMENT**
NOS25A15/LP/E12/SMK

SPECIALTY

For LED Nostalgic Filament alternatives, see Bulbrite's LED Catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/ Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67
25	ST15	E12	152510	NOS25ST15/SQ/E12/SMK	120	10 / 50	Smoke - Thread	35	2000	3.75"	2
	A15	E12	152516	NOS25A15/LP/E12/SMK	120	6 / 48	Smoke - Loop	35	2000	3.75"	2

Shatter Resistant and 230 Volt options are available by special order.
Contact a Certified Lighting Specialist at 800-528-5555 or sales@bulbrite.com for more information.

Nostalgic Smoke Collection

Signature, A-Shape, Tubular



- Medium base for use in outdoor lanterns, ceiling fixtures and pendants
- Sleek form for a more modern look
- Versatile lamp that can add aesthetic appeal to any décor
- Handcrafted with defined steeple and intricate filament designs
- Smoke finish for a vintage industrial feel



TUBULAR COLLECTION

T14 SPIRAL FILAMENT

NOS40T14/SMK

T14 THREAD FILAMENT

NOS40T14/SQ/SMK

T9 LONG SPIRAL FILAMENT

NOS40T9/L/SMK



A-SHAPE COLLECTION

A19 LOOP FILAMENT

NOS40-VICTOR/SMK
NOS60-VICTOR/SMK



ST18 HAIRPIN FILAMENT

NOS40-1890/SMK



ST18 THREAD FILAMENT

NOS40-1910/SMK
NOS60-1910/SMK

SIGNATURE COLLECTION

For LED Nostalgic Filament alternatives, see Bulbrite's LED Catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/ Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67
40	A19	E26	154020	NOS40-VICTOR/SMK	120	6 / 96	Smoke - Loop	100	3000	4.5"	2
			154018	NOS40-1890/SMK	120	6 / 96	Smoke - Hairpin	100	3000	4.8"	2
			154019	NOS40-1910/SMK	120	6 / 48	Smoke - Thread	100	3000	5"	2
	T9	E26	154008	NOS40T9/L/SMK	120	12 / 72	Smoke - Spiral	100	3000	11"	2
	T14	E26	154014	NOS40T14/SMK	120	10 / 100	Smoke - Spiral	100	3000	4.25"	2
154015			NOS40T14/SQ/SMK	120	10 / 100	Smoke - Thread	100	3000	4.25"	2	
60	A19	E26	156020	NOS60-VICTOR/SMK	120	6 / 96	Smoke - Loop	100	3000	4.5"	2
	ST18	E26	156019	NOS60-1910/SMK	120	6 / 96	Smoke - Thread	100	3000	5"	2

Shatter Resistant and 230 Volt options are available by special order. Contact a Certified Lighting Specialist at 800-528-5555 or sales@bulbrite.com for more information.

Crystal Collection

Ice and Marble

B10, G16, G25



- Featuring a unique, decoratively etched design, Bulbrite's Crystal Collection will bring warmth and personality to any contemporary or classic décor
- Ideal for any transparent or open light fixtures, both indoor and outdoor



ICE COLLECTION

B10

25B10/ICE

G16½

25G16/ICE/E12

G25

40G25/ICE



MARBLE COLLECTION

B10

25B10/MAR

G16½

25G16/MAR/E12

G25

40G25/MAR

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/ Master	Description	Lumens	Average Hours	M.O.L.
25	B10	E12	144010	25B10/ICE	120	25 / 500	Amber Ice	145	2000	3.875"
			144020	25B10/MAR	120	25 / 500	Amber Marble	135	2000	3.875"
40	G16½	E12	144024	25G16/MAR/E12	120	12 / 96	Amber Marble	140	2000	2.75"
			144016	40G16/ICE/E12	120	12 / 96	Amber Ice	265	2000	2.75"
			144026	40G16/MAR/E12	120	12 / 96	Amber Marble	260	2000	2.75"
			144015	40G25/ICE	120	12 / 48	Amber Ice	295	2000	4.375"
			144025	40G25/MAR	120	12 / 48	Amber Marble	285	2000	4.375"

Starlight G16½, G25, G40



- Contains five 1-watt internal, miniature bulbs creating a starlight effect
- Long life of 37,000-50,000 hours
- Ideal for use in hotels, casinos, malls, resort lobbies, canopies and marquees



**G16½
CANDELABRA (E12) BASE**
ST-G16/E12



**G16
MEDIUM (E26) BASE**
ST-G16



**G25
MEDIUM (E26) BASE**
ST-G25



**G40
MEDIUM (E26) BASE**
ST-G40

SPECIALTY

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67
5	G16½	E12	716310	ST-G16/E12	130	12 / 96	Clear - 5 Mini Bulbs	7	37,500	2.875"	1
		E26	716311	ST-G16	130	12 / 96	Clear - 5 Mini Bulbs	7	37,500	2.875"	1
	G25	E26	716330	ST-G25	130	12 / 48	Clear - 5 Mini Bulbs	7	37,500	4.5"	1
	G40	E26	716350	ST-G40	130	12 / 24	Clear - 5 Mini Bulbs	7	5000	6.75"	1

Lumens and Average Hours for 130V lamps are measured on a 120V line.

Half Chrome

G16½, G25, G40, A19, A21



- Mirrored top reflects light, creating a soft, ambient effect
- Perfect for base up overhead fixtures
- Metallic chrome finish
- Ideal for use in decorative lighting



G16½ CANDELABRA (E12) BASE

25G16HM
40G16HM

G25

40G25HM
60G25HM
100G25HM

G40

60G40HM
100G40HM



A19

60A19HM

A21

100A21HM

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/ Master	Description	Average Hours	M.O.L.
25	G16½	E12	712312	25G16HM	120	25 / 250	Half Chrome	1500	2.75"
40	G16½	E12	712314	40G16HM	120	25 / 250	Half Chrome	1500	2.75"
	G25	E26	712334	40G25HM	120	12 / 120	Half Chrome	1500	4.375"
60	A19	E26	712160	60A19HM	120	12 / 120	Half Chrome	1500	4.25"
	G25	E26	712336	60G25HM	120	12 / 120	Half Chrome	1500	4.375"
	G40	E26	712356	60G40HM	120	12 / 24	Half Chrome	1500	6.75"
100	A21	E26	712110	100A21HM	120	12 / 60	Half Chrome	1500	5"
	G25	E26	712331	100A25HM	120	12 / 120	Half Chrome	1500	4.375"
	G40	E26	712351	100G40HM	120	12 / 24	Half Chrome	1500	6.75"

SPECIALTY

Half Gold G25, A19



- Mirrored top reflects light, creating a soft, ambient effect
- Perfect for base up overhead fixtures
- Metallic gold finish
- Ideal for use in decorative lighting



G25
40G25HG



A19
60A19HG

SPECIALTY

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/ Master	Description	Average Hours	M.O.L.
40	G25	E26	712424	40G25HG	120	12 / 120	Half Gold	1500	4.625"
60	A19	E26	712416	60A19HG	120	12 / 120	Half Gold	1500	4.125"

Inside Frost Silver Bowl

A19, A21, PS25, PS30



- Soft, diffused light creates an ambient effect
- Perfect for open fixtures in restaurants and retail settings as well as outdoor ambient lighting and photography for indirect light
- Glare-free



A19
60A19F/SB



A21
100A21F/SB



PS25
150PS25/SB



PS30
200PS30F/SB

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Average Hours	M.O.L.
60	A19	E26	717060	60A19F/SB	120	24 / 120	Frost Silver Bowl	1500	4.25"
100	A21	E26	717100	100A21F/SB	120	12 / 60	Frost Silver Bowl	2000	5"
150	PS25	E26	717150	150PS25F/SB	120	12 / 48	Frost Silver Bowl	5000	7"
200	PS30	E26	717200	200PS30F/SB	120	12 / 48	Frost Silver Bowl	5000	8"

Silicone & Flicker

CA5, B10, CA10, S6, S11



- Silicone lamps are wax-dipped for a vintage effect
- Flicker lamps imitate the flicker of a real flame
- Ideal for decorative fixtures in residential and commercial areas



S6 SILICONE
SF/6S6



CA5 FLICKER SILICONE
SF/F3CTC



S11 SILICONE
SF/7.5S11



CA5 FLICKER FLAME
15mm
F3CFC/15



C10 FLICKER FLAME
32mm
F3CFC/32
BF3CFC/32



B10 FLICKER TORPEDO
F3CTC/32
BF3CTC/32



CA10 FLICKER FLAME
F3EFC/32
BF3ETC/32

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Average Hours	M.O.L.	Notes pg. 67
3	CA5	E12	411003	SF/F3CTC	120	25 / 500	Silicone Flicker	1500	4.5"	
			410303	F3CFC/15	130	25 / 500	Flicker	2500	2.875"	1
	B10	E12	410003	F3CTC/32	130	25 / 500	Flicker	2500	3.875"	1
			480003	BF3CTC/32	130	10 / 120	Flicker - Blister Card	6250	3.875"	1
			410313	F3CFC/32	130	25 / 500	Flicker	2500	4"	1
	CA10	E12	480303	BF3CFC/32	130	10 / 120	Flicker - Blister Card	5000	4"	1
			410803	F3EFC/32	130	25 / 500	Flicker	2500	3.875"	1
			480503	BF3ETC/32	130	10 / 120	Flicker - Blister Card	5000	3.5"	1
6	S6	E12	411006	SF/6S6	120	25 / 500	Silicone	1500	4.25"	
7.5	S11	E26	411007	SF/7.5S11	120	25 / 500	Silicone	1500	4.25"	

SPECIALTY

Fiesta F10, F15



- Perfect for post lanterns
- Ideal for decorative lighting in clear or open fixtures in the home or commercial areas such as pathways and lobbies



**F10
CLEAR**

15F10CL
25F10CL

**F10
AMBER**

15F10A
25F10A

**F15
CLEAR**

25F15CL
40F15CL

**F15
WHITE**

25F15WH
40F15WH

**F15
AMBER**

25F15A
40F15A
60F15A

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67
15	F10	E12	420115	15F10CL	130	25 / 250	Warm White	80	5000	3.063"	1
			420215	15F10A	130	25 / 250	Amber	-	5000	3.063"	1
25	F10	E12	420125	25F10CL	130	25 / 250	Warm White	165	3750	3.063"	1
			420225	25F10A	130	25 / 250	Amber	-	3750	3.063"	1
	F15	E26	421025	25F15WH	130	25 / 250	White	120	3750	4.5"	1
40	F15	E26	421125	25F15CL	130	25 / 250	Warm White	135	3750	4.5"	1
			421225	25F15A	130	25 / 250	Amber	-	3750	4.5"	1
			421040	40F15WH	130	25 / 250	White	240	3750	4.5"	1
60	F15	E26	421140	40F15CL	130	25 / 250	Warm White	350	3750	4.5"	1
			421240	40F15A	130	25 / 250	Amber	-	3750	4.5"	1
			421260	60F15A	130	25 / 250	Amber	-	3750	4.5"	1

Spunlite®

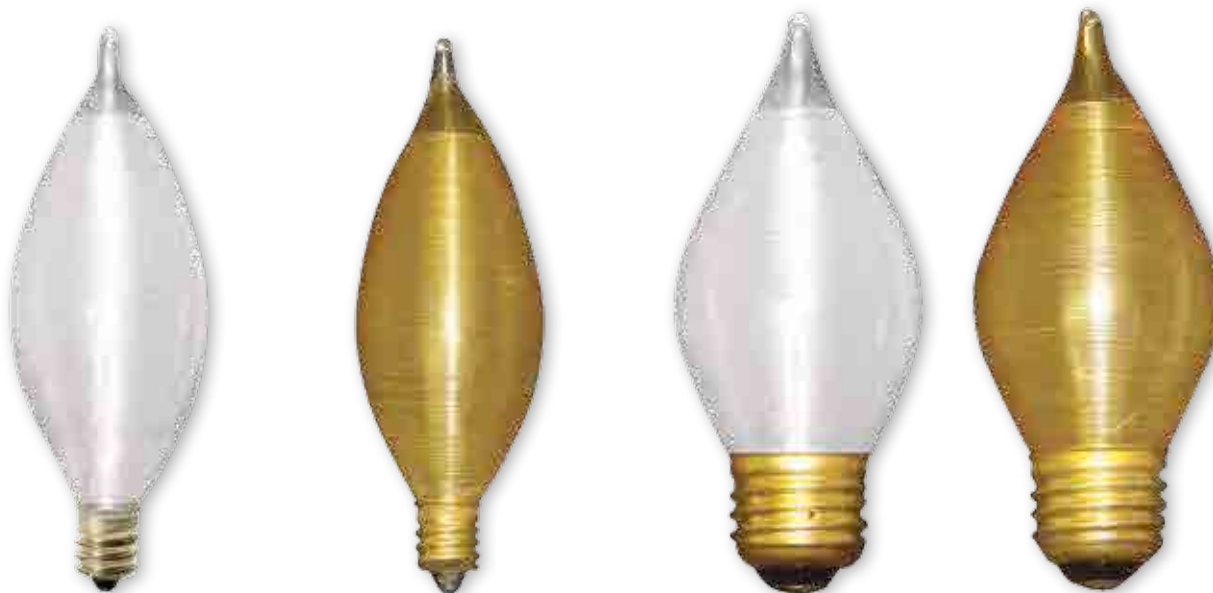
C11, C15



- Unique silk-spun design gives the look and feel of vintage-style gas flame
- Emits a warm glow
- Ideal for clear or open fixtures in homes and commercial areas

Incandescent

SPECIALTY



C11 SATIN

25C11S
40C11S
60C11S

C11 AMBER

25C11A
40C11A
60C11A

C15 SATIN

25C15S
40C15S
60C15S

C15 AMBER

40C15A

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67
25	C11	E12	430025	25C11S	130	25 / 250	Satin	160	3750	4"	1
			430125	25C11A	130	25 / 250	Amber	-	3750	4"	1
40	C15	E26	431025	25C15S	130	25 / 250	Satin	160	3750	4.5"	1
			430040	40C11S	130	25 / 250	Satin	310	3750	4"	1
			430140	40C11A	130	25 / 250	Amber	-	3750	4"	1
60	C15	E26	431040	40C15S	130	25 / 250	Satin	310	3750	4.5"	1
			431140	40C15A	130	25 / 250	Amber	-	3750	4.5"	1
60	C11	E12	430060	60C11S	130	25 / 250	Satin	600	3750	4"	1
			430160	60C11A	130	25 / 250	Amber	-	3750	4"	1
			431060	60C15S	130	25 / 250	Satin	600	3750	4.5"	1

Lumens and Average Hours for 130V lamps are measured on a 120V line.

Decorative Clear Showroom, Teardrop, Prism



- Prism lamps capture light and disperse decorative spectrums adding charm to any fixture
- Showroom lamps perfect for lowering energy consumption in applications with multiple lamps
- Teardrop lamps add flare to classic and contemporary chandeliers with its extended glass flame tip true to European style
- Ideal for decorative fixtures in homes and commercial areas



SHOWROOM

5CTC/25/3
5CTC/32/3



TEARDROP

25CTD/C/2



PRISM

B25PRISM
B40PRISM

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner / Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67
5	B8	E12	400105	5CTC/25/3	130	25 / 500	Clear	25	6250	3.125"	1
	B10	E12	400005	5CTC/32/3	130	25 / 500	Clear	25	6250	3.875"	1
25	CA11	E12	414025	25CTD/C/2	120	25 / 500	Clear	200	2500	4"	
	PRISM	E12	480125	B25PRISM	120	10 (2-PK) / 120 (2-PK)	Clear - Blister Card	160	2000	4.5"	
40	PRISM	E12	480140	B40PRISM	120	10 (2-PK) / 120 (2-PK)	Clear - Blister Card	300	2000	4.5"	

Decorative Antique Torpedo, Flame



- Antique finish lamps add a classic look to home décor
- Nostalgic lamps bring a touch of the past to today's designs
- Ideal for decorative fixtures in homes and commercial areas



ANTIQUE BULB
15CFA/32/3
25CFA/32/3
40CFA/32/3

NOSTALGIC TORPEDO
NOS15CTA

NOSTALGIC FLAME TIP
NOS15CFA

SPECIALTY

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/ Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67
15	CA10	E12	412015	15CFA/32/3	130	25 / 250	Antique	-	3750	4"	1
	B11	E12	413015	NOS15CTA	120	25 / 200	Antique	95	2500	3.667"	
	CA11	E12	413115	NOS15CFA	120	25 / 200	Antique	95	2500	4"	
25	CA10	E12	412025	25CFA/32/3	130	25 / 250	Antique	-	3750	4"	1
40	CA10	E12	412040	40CFA/32/3	130	25 / 250	Antique	-	3750	4"	1

Lumens and Average Hours for 130V lamps are measured on a 120V line.

Colored Lamps

A19



- Available in transparent and ceramic colors
- Ceramic lamps feature heat resistant thermal paint to emit the most vibrant colors
- Ideal for signs, displays, amusement parks and decorative lighting



A19 TRANSPARENT

A19 CERAMIC

For more incandescent decorative options, see pg 34-35 and 50-51.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/ Master	Description	Average Hours	M.O.L.
25	A19	E26	105325	25A/TB	120	24 / 120	Transparent Blue	1500	4.25"
			105425	25A/TG	120	24 / 120	Transparent Green	1500	4.25"
			105525	25A/TO	120	24 / 120	Transparent Orange	1500	4.25"
			105625	25A/TP	120	24 / 120	Transparent Pink	1500	4.25"
			105725	25A/TR	120	24 / 120	Transparent Red	1500	4.25"
			105825	25A/TY	120	24 / 120	Transparent Yellow	1500	4.25"
40	A19	E26	106325	25A/CB	120	24 / 120	Ceramic Blue	1500	4.25"
			106425	25A/CG	120	24 / 120	Ceramic Green	1500	4.25"
			106525	25A/CO	120	24 / 120	Ceramic Orange	1500	4.25"
			106625	25A/CP	120	24 / 120	Ceramic Pink	1500	4.25"
			106725	25A/CR	120	24 / 120	Ceramic Red	1500	4.25"
			106825	25A/CY	120	24 / 120	Ceramic Yellow	1500	4.25"
60	A19	E26	106340	40A/CB	120	24 / 120	Ceramic Blue	1500	4.25"
			106440	40A/CG	120	24 / 120	Ceramic Green	1500	4.25"
			106540	40A/CO	120	24 / 120	Ceramic Orange	1500	4.25"
			106640	40A/CP	120	24 / 120	Ceramic Pink	1500	4.25"
			106740	40A/CR	120	24 / 120	Ceramic Red	1500	4.25"
			106840	40A/CY	120	24 / 120	Ceramic Yellow	1500	4.25"
60	A19	E26	106360	60A/CB	120	24 / 120	Ceramic Blue	1500	4.25"
			106460	60A/CG	120	24 / 120	Ceramic Green	1500	4.25"
			106560	60A/CO	120	24 / 120	Ceramic Orange	1500	4.25"
			106660	60A/CP	120	24 / 120	Ceramic Pink	1500	4.25"
			106760	60A/CR	120	24 / 120	Ceramic Red	1500	4.25"
			106860	60A/CY	120	24 / 120	Ceramic Yellow	1500	4.25"

* Lamps may vary in color when lit

Colored Lamps G12, R20, BR30



- Available in a variety of vibrant colors
- Ideal for commercial and decorative lighting in amusement parks, signs and displays



G12 TRANSPARENT COLORS

R20 COLORS

BR30 COLORS

SPECIALTY

For LED G14 alternatives, see Bulbrite's LED catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Average Hours	M.O.L.	Notes pg. 67
10	G12	E12	302010	10G12A	130	25 / 500	Transparent Amber	2500	2.375"	1
			303010	10G12B	130	25 / 500	Transparent Blue	2500	2.375"	1
			304010	10G12G	130	25 / 500	Transparent Green	2500	2.375"	1
			305010	10G12P	130	25 / 500	Transparent Pink	2500	2.375"	1
			306010	10G12R	130	25 / 500	Transparent Red	2500	2.375"	1
50	R20	E26	222050	50R20A	120	25 / 96	Amber	2000	4"	
			223050	50R20B	120	25 / 96	Blue	2000	4"	
			224050	50R20G	120	25 / 96	Green	2000	4"	
			226050	50R20P	120	25 / 96	Pink	2000	4"	
			227050	50R20R	120	25 / 96	Red	2000	4"	
75	BR30	E26	242075	75BR30A	120	25 / 48	Amber	2000	5.125"	
			243075	75BR30B	120	25 / 48	Blue	2000	5.125"	
			244075	75BR30G	120	25 / 48	Green	2000	5.125"	
			246075	75BR30P	120	25 / 48	Pink	2000	5.125"	
			247075	75BR30R	120	25 / 48	Red	2000	5.125"	

* Lamps may vary in color when lit

Lumens and Average Hours for 130V lamps are measured on a 120V line.

Holiday Night Light C7, C9



- Available in a wide variety of festive colors
- Blinking option available in clear C7 candelabra
- Sleeve packed



C7 CANDELABRA (E12)	C7 CANDELABRA (E12)	C9 INTERMEDIATE (E17)	C9 INTERMEDIATE (E17)
WHITE 7C7W B4C7W/4 Ceramic Colors 	CLEAR 4C7C 7C7C 7C7AS/B B4C7C/4 5C7C 10C7C 7C7C/BLINK Transparent Colors 	RED 7C9TR Transparent Colors 	RED 7C9R Ceramic Colors

For LED C7 and C9 alternatives, see Bulbrite's LED catalog.

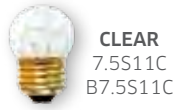
Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner / Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67			
4	C7	E12	709104	4C7C	120	25 / 2000	Clear	16	3000	2.125"				
			709814	B4C7C/4	120	10 (4-PK) / 200 (4-PK)	Clear	16	3000	2.125"				
			709804	B4C7W/4	120	10 (4-PK) / 200 (4-PK)	White	12	3000	2.125"				
5	C7	E12	709105	5C7C	120	25 / 2000	Clear	30	3000	2.125"				
			709205	5C7TA	120	25 / 2000	Transparent Amber	20	3000	2.125"				
			709305	5C7TB	120	25 / 2000	Transparent Blue	20	3000	2.125"				
			709405	5C7TG	120	25 / 2000	Transparent Green	20	3000	2.125"				
			709605	5C7TP	120	25 / 2000	Transparent Pink	20	3000	2.125"				
			709705	5C7TR	120	25 / 2000	Transparent Red	20	3000	2.125"				
			709107	7C7C	120	25 / 2000	Clear	45	1000	2.125"				
7	C7	E12	709007	7C7W	120	25 / 2000	White	28	2000	2.125"				
			709307	7C7B	120	25 / 2000	Ceramic Blue	-	2000	2.125"				
			709407	7C7G	120	25 / 2000	Ceramic Green	-	2000	2.125"				
			709507	7C7O	120	25 / 2000	Ceramic Orange	-	2000	2.125"				
			709607	7C7P	120	25 / 2000	Ceramic Pink	-	2000	2.125"				
			709707	7C7R	120	25 / 2000	Ceramic Red	-	2000	2.125"				
			709197	7C7C/BLINK	120	25 / 2000	Clear	30	3000	2.125"				
			709200	7C7AS/B	120	25 / 2000	Assorted	-	3000	2.125"	D			
			C9	E17	E17	709109	7C9C	120	25 / 1000	Clear	45	3000	3"	
						709009	7C9W	120	25 / 1000	White	35	3000	3"	
709709	7C9R	120				25 / 1000	Ceramic Red	30	3000	3"				
709219	7C9TA	120				25 / 1000	Transparent Amber	30	3000	3"				
709319	7C9TB	120				25 / 1000	Transparent Blue	30	3000	3"				
709419	7C9TG	120				25 / 1000	Transparent Green	30	3000	3"				
709619	7C9TP	120				25 / 1000	Transparent Pink	30	3000	3"				
709719	7C9TR	120				25 / 1000	Transparent Red	30	3000	3"				
10	C7	E12	709110	10C7C	120	25 / 2000	Clear	70	2000	2.125"				

* Lamps may vary in color when lit

Indicator, Sign and Night Light S11, S14



- Ceramic bulbs are made with thermal paint providing a richer, vibrant color
- Ideal for amusement and theatrical lighting
- Sleeve packed



S11 MEDIUM (E26)

Ceramic Colors

WHITE 7.5S11W B7.5S11W
ORANGE 7.5S11O
BLUE 7.5S11B
PINK 7.5S11P
YELLOW 7.5S11Y
RED 7.5S11R
GREEN 7.5S11G

S11 INTERMEDIATE (E17)

Transparent Colors

ORANGE 10S11TO
BLUE 10S11TB
GREEN 10S11TG
PINK 10S11TP
YELLOW 10S11TY
RED 10S11TR

S14 TRANSPARENT (E17)

Transparent Colors

AMBER 11S14TA
BLUE 11S14TB
FUSCHIA 11S14TF
PURPLE 11S14TPU
PINK 11S14TPK
YELLOW 11S14TY
RED 11S14TR

S14 CERAMIC (E17)

WHITE 11S14W
PINK 11S14CP
Ceramic Colors
FROST 11S14F
RED 11S14CR
YELLOW 11S14CY

For LED C7 and C9 alternatives, see Bulbrite's LED catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner / Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67
7.5	S11	E26	702107	7.5S11C	130	25 / 500	Clear	40	2500	2.125"	1
			702007	7.5S11W	130	25 / 500	Ceramic White	40	2500	2.125"	1
			702307	7.5S11B	130	25 / 500	Ceramic Blue	40	2500	2.125"	1
			702407	7.5S11G	130	25 / 500	Ceramic Green	40	2500	2.125"	1
			702507	7.5S11O	130	25 / 500	Ceramic Orange	40	2500	2.125"	1
			702607	7.5S11Y	130	25 / 500	Ceramic Yellow	40	2500	2.125"	1
			702707	7.5S11R	130	25 / 500	Ceramic Red	40	2500	2.125"	1
			702907	7.5S11P	130	25 / 500	Ceramic Pink	40	2500	2.125"	1
			702817	B7.5S11C	130	25 / 500	Clear - Blister Card	50	5000	2.25"	1
			702807	B7.5S11W	130	20 / 240	White - Blister Card	47	5000	2.25"	1
10	S11	E17	702110	10S11C	130	20 / 240	Clear	50	2500	2.25"	1
			702310	10S11TB	130	25 / 500	Transparent Blue	50	2500	2.25"	1
			702410	10S11TG	130	25 / 500	Transparent Green	50	2500	2.25"	1
			702510	10S11TO	130	25 / 500	Transparent Orange	50	2500	2.25"	1
			702610	10S11TP	130	25 / 500	Transparent Pink	50	2500	2.25"	1
			702710	10S11TR	130	25 / 500	Transparent Red	50	2500	2.25"	1
			702810	10S11TY	130	25 / 500	Transparent Yellow	50	2500	2.25"	1
11	S14	E26	701111	11S14C	130	25 / 500	Clear	75	5000	3.333"	1
			701911	11S14F	130	25 / 500	Frost	70	5000	3.333"	1
			701011	11S14W	130	25 / 500	White	60	5000	3.333"	1
			701211	11S14TA	130	25 / 500	Transparent Amber	-	5000	3.333"	1
			701311	11S14TB	130	25 / 500	Transparent Blue	-	5000	3.333"	1
			701411	11S14TG	130	25 / 500	Transparent Green	-	5000	3.333"	1
			701501	11S14TF	130	25 / 500	Transparent Fuchsia	-	5000	3.333"	1
			701511	11S14TPU	130	25 / 500	Transparent Purple	-	5000	3.333"	1
			701601	11S14CP	130	25 / 500	Ceramic Pink	-	5000	3.333"	1
			701611	11S14TPK	130	25 / 500	Transparent Pink	-	5000	3.333"	1
			701701	11S14CR	130	25 / 500	Ceramic Red	-	5000	3.333"	1
			701711	11S14TR	130	25 / 500	Transparent Red	-	5000	3.333"	1
			701801	11S14CY	130	25 / 500	Ceramic Yellow	-	5000	3.333"	1
701811	11S14TY	130	25 / 500	Transparent Yellow	-	5000	3.333"	1			

Lumens and Average Hours for 130V lamps are measured on a 120V line.

* Lamps may vary in color when lit

High Intensity, Indicator and Sign S6, S8, S11, RP11



- Small, compact sizes allow for use in a variety of applications
- Made for high intensity fixtures
- Ideal for amusement & display lighting



S6 E12 BASE

3S6
6S6



S6 BAY. BASE

6S6/DC



S8 BAY. BASE

93
1156



RP11 BAY. BASE

1133
B1133



HIGH INTENSITY S11 (E17) BASE

CLEAR
40S11N/C
B40S11N/C

FROST
40S11N/F

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67
3	S6	E12	703003	3S6	130	10 / 50	Clear	10	7500	1.875"	1
6	S6	E12	703006	6S6	130	10 / 50	Clear	30	7500	1.875"	1
		BA15d	703106	6S6/DC	130	50 / 1000	Clear	30	7500	1.875"	1
1.04A	S8	BA15s	715093	93	12.8	10 / 10	Clear	-	700	2"	1
3.91A	RP11	BA15s	715113	1133	6.2	10 / 10	Clear	-	200	2.063"	1
2.1A	S8	BA15s	715015	1156	12.8	10 / 10	Clear	-	1200	1.875"	1
24	RP11	BA15s	715813	B1133	6	20 (2-PK) / 240 (2-PK)	Clear - Blister Card	-	200	2.063"	D,1
40	S11	E17	702140	40S11N/C	120	25 / 500	Clear	355	1000	2.375"	
			702040	40S11N/F	120	25 / 500	Frost	340	1000	2.375"	D
			702840	B40S11N/C	120	20 / 240	Clear - Blister Card	370	1500	2.375"	D

Appliance Amusement

T3, T4, T5½, T6, T7, T8



- Available in a variety of bases and voltages to meet specific needs
- Low wattage is ideal for illuminating small spaces
- Used in sewing machines, freezers, ovens and other home appliances
- Sleeve packed



Incandescent

SPECIALTY

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67	
3	T3	E10	715004	3T3/24V	24	100 / 2000	Clear	-	3000	1.125"	D,1	
			715003	3T3/60V	60	100 / 2000	Clear	15	3000	1.125"	1	
	T5.5	E14	715007	3T5.5/24V	24	50 / 1000	Clear	5	3000	1.875"	1	
4	T3	E10	715008	4T3/60V	60	100 / 2000	Clear	20	3000	1.125"	1	
6	T4	E12	708106	6T4/130V	130	100 / 2000	Clear	32	5000	1.625"	1	
8	T5.5	E14	715002	8T5.5/60V	60	50 / 1000	Clear	35	3000	1.875"	1	
10	T5.5	E14	715005	10T5.5/130	130	50 / 1000	Clear	50	1500	2.125"	1	
			715006	10T5.5/60V	60	50 / 1000	Clear	50	3000	1.875"	1	
12	T5.5	E14	715001	12T5.5/130	130	50 / 1000	Clear	55	1500	2.125"	1	
15	T4	E12	708115	15T4/130V	130	50 / 1000	Clear	100	5000	1.875"	1	
			707115	15T6	130	25 / 500	Clear	100	5000	2.875"	1	
			707415	15T6/4	145	25 / 500	Clear	100	2000	2.875"	1	
	T7	E12	706115	15T7	120	25 / 1000	Clear	100	2000	1.875"		
			706015	15T7F	120	50 / 1000	Clear	100	2000	1.875"		
			E17	706111	15T7N	120	50 / 1000	Clear	100	2000	1.875"	
BA15d	706110	15T7/DC		120	50 / 1000	Clear	100	2000	1.875"			
25	T6	E12	707125	25T6	120	25 / 500	Clear	180	2000	2.875"		
			BA15d	706114	25T7/DC	120	50 / 1000	Clear	200	2000	1.875"	
				E17	705211	25T8N	120	50 / 1000	Clear	200	2000	2.6"
BA15d	705212	25T8/DC	120		50 / 1000	Clear	200	2000	2.6"			

Lumens and Average Hours for 130V and 145V lamps are measured on a 120V line.

Exit Light, Showcase and Display



T6½

- Exit lights feature non 1-watt filaments and long life of 30,000 hours
- Showcase lamps feature a unique, elongated shape that provides an even distribution of light, ideal for accent and display lighting



**EXIT LIGHT
CANDELABRA (E12)**

9T6.5C



**EXIT LIGHT
INTERMEDIATE (E17)**

9T6.5C/N



**EXIT LIGHT
D.C. BAYONET (BA15d)**

9T6.5C/DC



INTERMEDIATE (E17)

CLEAR	FROST
20T6.5N/145	20T6.5F/N
25T6.5C/N	25T6.5F/N
40T6.5C/N	40T6.5F/N



D.C. BAYONET (BA15d)

CLEAR	FROST
20T6.5DC/145	20T6.5F/DC
25T6.5C/DC	
25T6.5DC/145	
40T6.5C/DC	

SPECIALTY

For LED Exit Kit alternatives, see Bulbrite's LED catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67
9	T6.5	E12	707503	9T6.5C	120	25 / 300	Clear	19	30,000	5.375"	1
		E17	707501	9T6.5C/N	120	25 / 300	Clear	19	30,000	5.375"	1
		BA15d	707502	9T6.5C/DC	120	25 / 300	Clear	19	30,000	5.375"	1
20	T6.5	E17	707301	20T6.5F/N	130	25 / 500	Frost	150	5000	5.375"	1
			707320	20T6.5N/145	145	25 / 500	Clear	140	2000	5.375"	1
		BA15d	707302	20T6.5F/DC	130	25 / 500	Frost	150	5000	5.75"	1
			707322	20T6.5DC/145	145	25 / 500	Clear	140	2000	5.375"	D,1
25	T6.5	E17	707211	25T6.5C/N	130	25 / 500	Clear	180	5000	5.375"	
			707201	25T6.5F/N	130	25 / 500	Frost	180	5000	5.375"	1
		BA15d	707212	25T6.5C/DC	130	25 / 500	Clear	180	5000	5.375"	1
			707222	25T6.5DC/145	145	25 / 500	Clear	180	2500	5.375"	1
40	T6.5	E17	707440	40T6.5C/N	130	25 / 500	Clear	370	5000	5.25"	D
			707441	40T6.5F/N	130	25 / 500	Frost	370	5000	5.25"	D
		BA15d	707420	40T6.5C/DC	120	25 / 500	Clear	360	1000	5.375"	D



Showcase Aquarium

T8, T10

- Hand-crafted filaments
- Provides decorative highlighting
- Aquarium bulbs fit all standard aquarium canopies



T8

CLEAR
40T8C
75T8C

FROST
40T8F
75T8F



T10

CLEAR	FROST
15T10C	25T10F
25T10C	40T10F
40T10C	60T10F
60T10C	B25T10F
B15T10C	B40T10F
B25T10C	B60T10F
B40T10C	
B60T10C	



T10 HIGH OUTPUT

CLEAR	FROST
25T10C/HO	25T10F/HO
40T10C/HO	40T10F/HO
60T10C/HO	60T10F/HO

For LED alternatives, see Bulbrite's LED catalog.

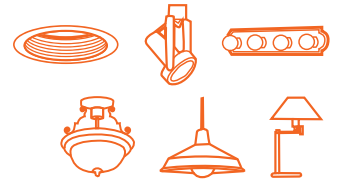
Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67
15	T10	E26	704115	15T10C	120	25 / 300	Clear	100	2000	5"	
			784115	B15T10C	120	10 / 120	Clear - Blister Card	100	2000	5"	
25	T10	E26	704125	25T10C	130	25 / 300	Clear	180	5000	5"	1
			704025	25T10F	130	25 / 300	Frost	180	5000	5"	1
			704325	25T10C/HO	130	25 / 300	Clear	230	2500	5"	1
			704225	25T10F/HO	130	25 / 300	Frost	230	2500	5"	1
			784125	B25T10C	120	10 / 120	Clear - Blister Card	200	2000	5"	
			784025	B25T10F	120	10 / 120	Frost - Blister Card	200	2000	5"	
40	T8	E26	705140	40T8C	120	25 / 100	Clear	190	2000	11"	
			705040	40T8F	120	25 / 100	Frost	185	2000	11"	
	T10	E26	704140	40T10C	130	25 / 300	Clear	260	5000	5"	1
			704040	40T10F	130	25 / 300	Frost	260	5000	5"	1
			704340	40T10C/HO	130	25 / 300	Clear	400	2500	5"	1
			704240	40T10F/HO	130	25 / 300	Frost	400	2500	5"	1
			784140	B40T10C	120	10 / 120	Clear - Blister Card	280	2000	5"	
			784040	B40T10F	120	10 / 120	Frost - Blister Card	280	2000	5"	
60	T10	E26	704160	60T10C	130	25 / 300	Clear	480	5000	5"	1
			704060	60T10F	130	25 / 300	Frost	480	5000	5"	1
			704360	60T10C/HO	130	25 / 300	Clear	700	2500	5"	1
			704260	60T10F/HO	130	25 / 300	Frost	700	2500	5"	1
			784160	B60T10C	120	10 / 120	Clear - Blister Card	500	2000	5"	
			784060	B60T10F	120	10 / 120	Frost - Blister Card	500	2000	5"	
75	T8	E26	705175	75T8C	120	25 / 100	Clear	550	2000	11"	
			705075	75T8F	120	25 / 100	Frost	535	2000	11"	

Lumens and Average Hours for 130V lamps are measured on a 120V line.

EcoHalogen True Daylight

A19, A21 3-Way, R20, R30, R40

- Rare earth elements (neodymium) in the glass filter out dull yellow light
- Shows details clearly and colors more accurately
- Produces less glare, reducing eye strain



ECOHALOGEN A19

CLEAR

43A19CL/N/ECO
53A19CL/N/ECO
72A19CL/N/ECO

FROST

43A19FR/N/ECO
53A19FR/N/ECO
72A19FR/N/ECO

A21 3-WAY

FROST

50/150/N



R20

45R20FL/N

R30

65R30FL/N

R40

65R40FL/N

SPECIALTY

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner / Master	Description	Lumens	Average Hours	M.O.L.
43	A19	E26	616243	43A19CL/N/ECO	120	6 (2-PK) / 60 (2-PK)	Clear	585	1000	4.188"
			616343	43A19FR/N/ECO	120	6 (2-PK) / 60 (2-PK)	Frost	565	1000	4.188"
45	R20	E26	711045	45R20FL/N	120	12 / 96	Flood	250	5000	4"
53	A19	E26	616253	53A19CL/N/ECO	120	6 (2-PK) / 60 (2-PK)	Clear	840	1000	4.188"
			616353	53A19FR/N/ECO	120	6 (2-PK) / 60 (2-PK)	Frost	820	1000	4.188"
65	R30	E26	711065	65R30FL/N	120	12 / 48	Flood	420	2000	5.375"
	R40	E26	711066	65R40FL/N	120	12 / 24	Flood	400	5000	6.5"
72	A19	E26	616272	72A19CL/N/ECO	120	6 (2-PK) / 60 (2-PK)	Clear	1,235	1000	4.188"
			616372	72A19FR/N/ECO	120	6 (2-PK) / 60 (2-PK)	Frost	1,200	1000	4.188"
50/100/150	A21	E26	711025	50/150/N	120	12 / 120	Frost 3-Way	380/1,000/1380	2000	5"

Black Light

T10, A19



- Black light provides dramatic special effects
- Reduced visible light combined with the lamp's natural heat simulates "night time" in reptile tanks
- Ideal for parties, Halloween, and amusement



T10
40T10BL



A19
75A/BL

Incandescent

SPECIALTY

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Average Hours	M.O.L.
40	T10	E26	106940	40T10BL	120	25 / 50	Black Light	2000	5"
75	A19	E26	106975	75A/BL	120	25 / 200	Black Light	1500	4.25"

Plant Growth

A19, R20, R30, R40



- Provides natural light to assist in plan growth
- For use in professional and consumer greenhouses and indoor gardens
- Used to develop seedlings



A19
60A19PG



R20
50R20PG



R30
75R30PG
100R30PG



R40
150R40PG

SPECIALTY

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.
50	R20	E26	710250	50R20PG	120	12 / 96	Plant Growth	2000	1000	4"
60	A19	E26	710160	60A19PG	120	12 / 120	Plant Growth	1500	1000	4.125"
75	R30	E26	710375	75R30PG	120	12 / 48	Plant Growth	2000	5000	5.125"
100	R30	E26	710310	100R30PG	120	12 / 48	Plant Growth	2000	1000	5.125"
150	R40	E26	710415	150R40PG	120	12 / 24	Plant Growth	2000	2000	6.5"



Yellow Bug Light

A19

- Yellow color does not attract insects
- Ideal for use in outdoor fixtures for parties, walkways, and porches



YELLOW BUG LIGHT

25A/YB
40A/YB
60A/YB
100A/YB

SPECIALTY

For CFL alternatives, see page 112.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Average Hours	M.O.L.	Notes pg. 67
25	A19	E26	103025	25A/YB	130	24 / 120	Yellow Bug	3750	4.25"	1
40	A19	E26	103040	40A/YB	130	24 / 120	Yellow Bug	3750	4.25"	1
60	A19	E26	103060	60A/YB	130	24 / 120	Yellow Bug	3750	4.25"	1
100	A19	E26	103100	100A/YB	130	24 / 120	Yellow Bug	3750	4.25"	1

Lumens and Average Hours for 130V lamps are measured on a 120V line.

Shatter Resistant

A15, A19, A21, R12, R20, BR30, BR40 Heat Lamp



- Special coating prevents the spread of shattering glass in the event lamp is broken
- Reduces the chance of breakage from thermal shock such as water contact
- Meets Federal Regulations of FDA, NSF, NEC, and Food Protection Unicode
- Ideal for restaurants, catering halls, good storage and preparation areas



Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 67
20	R12	BA15s	752531	1383/TF	13	10 / 10	Frost Tough Coat	-	-	2.5625"	1
40	A15	E26	108040	40A15/TF	130	24 / 120	Frost Tough Coat	265	3750	3.5"	1
50	R20	E26	280250	50R20/TF	130	25 / 50	Frost Tough Coat	375	5000	4"	1
60	A19	E26	108060	60A/RS/TF	130	24 / 120	Frost Tough Coat	460	3750	4.25"	1
65	BR30	E26	280465	65BR30/TF	130	12 / 24	Frost Tough Coat	435	5000	5.125"	1
75	A19	E26	108075	75A/RS/TF	130	24 / 120	Frost Tough Coat	600	3750	4.25"	1
100	A19	E26	108100	100A/RS/TF	130	24 / 120	Frost Tough Coat	900	3750	4.25"	1
150	A21	E26	108150	150A21/TF	130	24 / 120	Frost Tough Coat	1,465	5000	5"	1
250	BR40	E26	714725	250BR40H/TC	130	6 / 12	Clear Heat Lamp Tough Coat	1,500	5000	6.5"	1

Lumens and Average Hours for 130V lamps are measured on a 120V line.

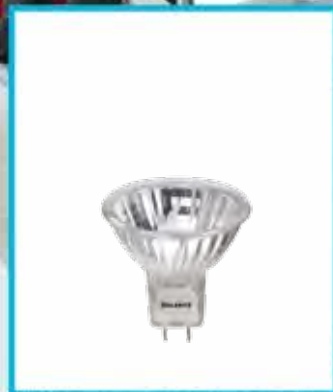
Incandescent Footnotes

D	Discontinued Item - Limited Quantity Available
E	Bulb meets Federal minimum efficiency standards

- 1** This product has a design voltage other than 120V. When operated on a 120V line, average hours (lamp life) is extended approximately 2 times and brightness (lumens) is reduced approximately 20%. Brightness (Lumens) and life (average hours) of this product will vary when operated at its design voltage. To ensure proper operation of the lamp, use the appropriate transformers/fixtures for the designated lamp voltage.
- 2** Shatter Resistant and 230 Volt options are available by special order. Contact a Certified Lighting Specialist at 800-528-5555 or sales@bulbrite.com to get a quote today.

All data in this catalog is subject to change without notice.
See Bulbrite.com for most current product specifications.





EcoHalogen A19, A19 3-Way



- Compliant with EISA General Service Incandescent Standards
- Energy efficient alternative to traditional incandescent lamps
- A19 3-Way features 3 varying levels of light
- CC-8 filament types
- Ideal for general residential and commercial applications

EcoHalogen = Incandescent

72W = 100W
53W = 75W
43W = 60W
29W = 40W



ECOHALOGEN A19

CLEAR

29A19CL/ECO
43A19CL/ECO
53A19CL/ECO
72A19CL/ECO

ECOHALOGEN A19

SOFT WHITE

29A19SW/ECO
43A19SW/ECO
53A19SW/ECO
72A19SW/ECO

ECOHALOGEN A19 3-WAY

SOFT WHITE

72A19/3WAY/ECO

OMNI-DIRECTIONAL

For Specialty alternatives, see pg 36-66; for CFL alternatives see pg 112; for LED alternatives, see Bulbrite's LED catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Color Temp.	Lumens	Average Hours	M.O.L.	Notes pg. 95
29	A19	E26	115028	29A19CL/ECO	120	6 (2-PK) / 60 (2-PK)	Clear	2900K	400	1000	4"	5
			115128	29A19SW/ECO	120	6 (2-PK) / 60 (2-PK)	Soft White	2900K	380	1000	4"	5
43	A19	E26	115042	43A19CL/ECO	120	6 (2-PK) / 60 (2-PK)	Clear	2900K	750	1000	4"	5
			115142	43A19SW/ECO	120	6 (2-PK) / 60 (2-PK)	Soft White	2900K	750	1000	4"	5
53	A19	E26	115052	53A19CL/ECO	120	6 (2-PK) / 60 (2-PK)	Clear	2900K	1050	1000	4"	5
			115152	53A19SW/ECO	120	6 (2-PK) / 60 (2-PK)	Soft White	2900K	1050	1000	4"	5
72	A19	E26	115070	72A19CL/ECO	120	6 (2-PK) / 60 (2-PK)	Clear	2900K	1490	1000	4"	5
			115170	72A19SW/ECO	120	6 (2-PK) / 60 (2-PK)	Soft White	2900K	1490	1000	4"	5
29/43/72	A19	E26	115072	72A19/3WAY/ECO	120	12 / 24	Soft White	2900K	430/ 800/1230	1000	4.25"	5

EcoHalogen

BT15, G25, CA10, B11



EcoHalogen = Incandescent

72W = 100W

53W = 75W

43W = 60W

29W = 40W

- Compliant with EISA General Service Incandescent Standards
- Energy efficient alternative to traditional incandescent lamps
- A19 3-Way features 3 varying levels of light
- CC-8 filament types
- Ideal for general residential and commercial applications

Halogen

OMNI-DIRECTIONAL



ECOHALOGEN BT15

CLEAR

29BT15CL/ECO
43BT15CL/ECO
53BT15CL/ECO
72BT15CL/ECO

SOFT WHITE

29BT15SW/ECO
43BT15SW/ECO
53BT15SW/ECO
72BT15SW/ECO

ECOHALOGEN G25

CLEAR

43G25CL/ECO
72G25CL/ECO

SOFT WHITE

43G25SW/ECO
72G25SW/ECO

ECOHALOGEN BT11 TORPEDO

CLEAR

43B11/ETC/ECO

FROST

43B11/ETF/ECO

ECOHALOGEN CA10 FLAME

CLEAR

43CA10/EFC/ECO

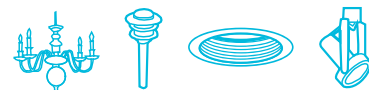
FROST

43CA10/EFF/ECO

For Specialty alternatives, see pg 36-66; for CFL alternatives see pg 113; for LED alternatives, see Bulbrite's LED catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Color Temp.	Lumens	Average Hours	M.O.L.	Notes pg. 95
29	BT15	E26	616129	29BT15CL/ECO	120	10 / 50	Clear	2900K	400	1000	4.333"	5
			616029	29BT15SW/ECO	120	10 / 50	Soft White	2900K	380	1000	4.333"	5
43	BT15	E26	616143	43BT15CL/ECO	120	10 / 50	Clear	2900K	750	1000	4.333"	5
			616043	43BT15SW/ECO	120	10 / 50	Soft White	2900K	750	1000	4.333"	5
	G25	E26	616443	43G25CL/ECO	120	12 / 24	Clear	2900K	750	1000	4.375"	5
			616543	43G25SW/ECO	120	12 / 24	Soft White	2900K	750	1000	4.375"	5
	CA10	E26	616600	43CA10/EFC/ECO	120	10 (2-PK) / 60 (2-PK)	Clear	2900K	750	1000	3.563"	5
			616601	43CA10/EFF/ECO	120	10 (2-PK) / 60 (2-PK)	Frost	2900K	750	1000	3.563"	5
	B11	E26	616602	43B11/ETC/ECO	120	10 (2-PK) / 60 (2-PK)	Clear	2900K	750	1000	3.231"	5
			616603	43B11/ETF/ECO	120	10 (2-PK) / 60 (2-PK)	Frost	2900K	750	1000	3.231"	5
53	BT15	E26	616153	53BT15CL/ECO	120	10 / 50	Clear	2900K	1050	1000	4.333"	5
			616053	53BT15SW/ECO	120	10 / 50	Soft White	2900K	1050	1000	4.333"	5
72	BT15	E26	616172	72BT15CL/ECO	120	10 / 50	Clear	2900K	1490	1000	4.333"	5
			616072	72BT15SW/ECO	120	10 / 50	Soft White	2900K	1490	1000	4.333"	5
	G25	E26	616472	72G25CL/ECO	120	12 / 24	Clear	2900K	1490	1000	4.375"	5
			616572	72G25SW/ECO	120	12 / 24	Soft White	2900K	1490	1000	4.375"	

Low Voltage JC Bi-Pin - 12V & 24V G4, GY6.35



- Provides UV protection
- Filament types include C-6, CC-6
- Ideal for commercial applications, most commonly used in task lighting and displays



G4 BASE CLEAR

(12V)	(24V)
Q5G4/12	Q10G4/24
Q10G4/12	Q20G4/24
Q20G4/12	

G4 BASE FROST

(12V)
Q10G4F/12
Q20G4F/12

GY6.35 BASE CLEAR

(12V)	(24V)
Q20GY6/12	Q35GY6/24
Q35GY6/12	Q50GY6/24
Q35GY6/12/US	Q100GY6/24
Q50GY6/12	
Q50GY6/12/US	
Q75GY6/12	
Q100GY6/12	

GY6.35 BASE FROST

(12V)
Q35GY6F/12
Q50GY6F/12

OMNI-DIRECTIONAL

For Xenon alternatives, see pg 102; for LED alternatives, see Bulbrite's LED catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Color Temp.	Lumens	Average Hours	M.O.L.	Notes pg. 95
5	T3	G4	650005	Q5G4/12	12	10 / 50	Clear	2900K	50	2000	1.25"	1,3,4
10	T3	G4	650010	Q10G4/12	12	10 / 50	Clear	2900K	120	2000	1.25"	1,3,4
			651011	Q10G4/24	24	10 / 50	Clear	2900K	100	2000	1.25"	1,3,4
			650011	Q10G4F/12	12	10 / 50	Frost	2900K	120	2000	1.25"	1,3,4
20	T3	G4	650020	Q20G4/12	12	10 / 50	Clear	2900K	300	2000	1.25"	1,3,4
			651012	Q20G4/24	24	10 / 50	Clear	2900K	300	2000	1.25"	1,3,4
			650021	Q20G4F/12	12	10 / 50	Frost	2900K	300	2000	1.25"	1,3,4
		GY6.35	650025	Q20GY6/12	12	10 / 50	Clear	2900K	235	2000	1.625"	1,3,4
35	T3	GY6.35	650035	Q35GY6/12	12	10 / 50	Clear	2900K	595	2000	1.625"	1,3,4
			650037	Q35GY6/12/US	12	10 / 40	Clear	2900K	600	2000	1.5"	D,1,3,4
			650036	Q35GY6F/12	12	10 / 50	Frost	2900K	595	2000	1.625"	1,3,4
			651036	Q35GY6/24	24	10 / 50	Clear	2900K	540	2000	1.625"	1,3,4
50	T3	GY6.35	650050	Q50GY6/12	12	10 / 50	Clear	2900K	900	2000	1.625"	1,3,4
			650052	Q50GY6/12/US	12	10 / 40	Clear	2900K	950	2000	1.5"	D,1,3,4
			650051	Q50GY6F/12	12	10 / 50	Frost	2900K	900	2000	1.625"	1,3,4
			651050	Q50GY6/24	24	10 / 50	Clear	2900K	900	2000	1.625"	1,3,4
75	T3	GY6.35	650075	Q75GY6/12	12	10 / 50	Clear	2900K	1,350	2000	1.625"	1,3,4
100	T3	GY6.35	650100	Q100GY6/12	12	10 / 50	Clear	2900K	2,200	2000	1.625"	1,3,4
100	A19		651100	Q100GY6/24	24	10 / 50	Clear	2900K	1,700	2000	1.625"	1,3,4



Line Voltage JC Bi-Pin - 120V

GY6.35, GY8, G9. G9 Flat Pin Blade

- Provides UV protection
- Filament types include C-2, CC-8
- Ideal for residential and commercial applications, for both indoor and outdoor use



GY6.35 BASE	GY6.35 BASE	GY8 BASE	G9 BASE	G9 PIN BLADE	G9 PIN BLADE
CLEAR Q20GY6/120 Q35GY6/120 Q50GY6/120	CLEAR Q75GY6/120 Q100GY6/120 Q150GY6/120 FROST Q75GY6F/120	CLEAR Q20GY8/120 Q25GY8/120 Q35GY8/120 Q50GY8/120 Q75GY8/120 Q100GY8/120	CLEAR Q20G9/120 Q35G9/120 Q50G9/120 Q75G9/120 Q100G9/120 FROST Q75G9F/120	CLEAR Q25G9CL Q40G9CL Q60G9CL	FROST Q25G9FR Q40G9FR Q60G9FR

For LED alternatives, see Bulbrite's LED catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Color Temp.	Lumens	Average Hours	M.O.L.	Notes pg. 95
20	T4	G6.35	652020	Q20GY6/120	120	10 / 50	Clear	2900K	330	2000	1.6"	3,4
		G9	654020	Q20G9/120	120	10 / 50	Clear	2900K	330	2000	1.625"	3,4
		GY8	655021	Q20GY8/120	120	10 / 50	Clear	2900K	330	2000	1.333"	3,4
25	T4	GY8	655025	Q25GY8/120	120	10 / 50	Clear	2900K	420	2000	1.625"	3,4
		G9	654025	Q25G9CL	120	10 / 50	Clear	2900K	260	2000	2"	3,4
			654125	Q25G9FR	120	10 / 50	Frost	2900K	250	2000	2"	3,4
35	T4	G6.35	652035	Q35GY6/120	120	10 / 50	Clear	2900K	650	2000	1.75"	3,4
		G9	654035	Q35G9/120	120	10 / 50	Clear	2900K	650	2000	1.625"	3,4
		GY8	655035	Q35GY8/120	120	10 / 50	Clear	2900K	650	2000	1.75"	3,4
40	T4	G9	654040	Q40G9CL	120	10 / 50	Clear	2900K	500	2000	2"	3,4
			654140	Q40G9FR	120	10 / 50	Frost	2900K	460	2000	2"	3,4
50	T4	G6.35	652050	Q50GY6/120	120	10 / 50	Clear	2900K	950	2000	1.75"	3,4
		G9	654050	Q50G9/120	120	10 / 50	Clear	2900K	950	2000	1.625"	3,4
		GY8	655050	Q50GY8/120	120	10 / 50	Clear	2900K	950	2000	1.75"	3,4
60	T4	G9	654060	Q60G9CL	120	10 / 50	Clear	2900K	910	2000	2"	3,4
			654160	Q60G9FR	120	10 / 50	Frost	2900K	880	2000	2"	3,4
75	T4	G6.35	652075	Q75GY6/120	120	10 / 50	Clear	2900K	1300	2000	1.75"	3,4
		G6.35	652076	Q75GY6F/120	120	10 / 50	Clear	2900K	1250	2000	1.75"	D,3,4
		G9	654075	Q75G9/120	120	10 / 50	Clear	2900K	1300	2000	1.667"	3,4
			654076	Q75G9F/120	120	10 / 50	Frost	2900K	1300	2000	1.667"	3,4
100	T4	G6.35	652100	Q100GY6/120	120	10 / 50	Clear	2900K	1900	2000	1.75"	3,4
		GY8	655100	Q100GY8/120	120	10 / 50	Clear	2900K	1900	2000	1.75"	3,4
		G9	654100	Q100G9/120	120	10 / 50	Clear	2900K	1900	2000	1.667"	3,4
150	T4	G6.35	652150	Q150GY6/120	120	10 / 50	Clear	2900K	2300	2000	2"	3,4

OMNI-DIRECTIONAL

Single Ended - Double Contact Bayonet T4



- Provides UV protection
- Filament types include C-2, CC-8
- Ideal for residential and commercial applications



OMNI-DIRECTIONAL

20W		35, 50, 75, 100W		150W		250W	
CLEAR Q20CL/DC	FROST Q20FR/DC	CLEAR Q35CL/DC Q50CL/DC Q75CL/DC Q100CL/DC	FROST Q35FR/DC Q50FR/DC Q75FR/DC Q100FR/DC	CLEAR Q150CL/DC	FROST Q150FR/DC	CLEAR Q250CL/DC	FROST Q250FR/DC

For Krypton/Xenon alternatives, see pg 99.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Color Temp.	Lumens	Average Hours	M.O.L.	Notes pg. 95
35	T4	BA15d	613035	Q35CL/DC	120	10 / 50	Clear	2900K	650	2000	2"	4
			613032	Q35FR/DC	120	10 / 50	Frost	2900K	620	2000	2"	4
50	T4	BA15d	613050	Q50CL/DC	120	10 / 50	Clear	2900K	950	2000	2"	4
			613052	Q50FR/DC	120	10 / 50	Frost	2900K	900	2000	2"	4
75	T4	BA15d	613076	Q75CL/DC	120	10 / 50	Clear	2900K	1350	2000	2"	4
			613072	Q75FR/DC	120	10 / 50	Frost	2900K	1050	2000	2"	4
100	T4	BA15d	613101	Q100CL/DC	120	10 / 50	Clear	2900K	1600	2000	2.25"	4
			613102	Q100FR/DC	120	10 / 50	Frost	2900K	1520	2000	2.25"	4
150	T4	BA15d	613151	Q150CL/DC	120	10 / 50	Clear	2900K	2400	2000	2.25"	4
			613152	Q150FR/DC	120	10 / 50	Frost	2900K	2300	2000	2.25"	4
250	T4	BA15d	613251	Q250CL/DC	120	10 / 50	Clear	2900K	4500	2000	2.75"	4
			613252	Q250FR/DC	120	10 / 50	Frost	2900K	4500	2000	2.75"	4

Single Ended - Mini-Candelabra T4



- Provides UV protection
- Filament types include C-2, CC-8
- Ideal for residential and commercial applications

OMNI-DIRECTIONAL



35, 50, 75, 100W

CLEAR	FROST
Q35CL/MC	Q35FR/MC
Q50CL/MC	Q50FR/MC
Q75CL/MC	Q75FR/MC
Q100CL/MC	Q100FR/MC

150W

CLEAR	FROST
Q150CL/MC	Q150FR/MC

250W

CLEAR	FROST
Q250CL/MC	Q250FR/MC

500W

CLEAR
Q500CL/MC

For Krypton/Xenon alternatives, see pg 99.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Color Temp.	Lumens	Average Hours	M.O.L.	Notes pg. 95
35	T4	E11	610035	Q35CL/MC	120	10 / 50	Clear	2900K	650	2000	2.25"	4
			610032	Q35FR/MC	120	10 / 50	Frost	2900K	620	2000	2.25"	4
50	T4	E11	610050	Q50CL/MC	120	10 / 50	Clear	2900K	950	2000	2.25"	4
			610052	Q50FR/MC	120	10 / 50	Frost	2900K	900	2000	2.25"	4
75	T4	E11	610076	Q75CL/MC	120	10 / 50	Clear	2900K	1350	2000	2.25"	4
			610072	Q75FR/MC	120	10 / 50	Frost	2900K	1050	2000	2.25"	4
100	T4	E11	610101	Q100CL/MC	120	10 / 50	Clear	2900K	1600	2000	2.25"	4
			610102	Q100FR/MC	120	10 / 50	Frost	2900K	1520	2000	2.25"	4
150	T4	E11	610151	Q150CL/MC	120	10 / 50	Clear	2900K	2400	2000	2.875"	4
			610152	Q150FR/MC	120	10 / 50	Frost	2900K	2300	2000	2.875"	4
250	T4	E11	610251	Q250CL/MC	120	10 / 50	Clear	2900K	4500	2000	2.875"	4
			610252	Q250FR/MC	120	10 / 50	Frost	2900K	4250	2000	2.875"	4
500	T4	E11	610500	Q500CL/MC	120	10 / 50	Clear	2900K	8500	2000	3.625"	4

Double Envelope T6 (GU10), T8, T10 (E26)



- Provides UV protection
- Double glass envelope eliminates need for shielding
- CC-8 filament type
- Ideal for commercial applications



T6 (GU10)

CLEAR
Q35CL/GU10
Q50CL/GU10

FROST
Q35FR/GU10
Q50FR/GU10

T8 (E26)

CLEAR
Q75CL/EDT
Q100CL/EDT
Q150CL/EDT

FROST
Q75FR/EDT
Q100FR/EDT
Q150FR/EDT

T10 (E26)

CLEAR
Q250CL/EDT

FROST
Q250FR/EDT

OMNI-DIRECTIONAL

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Color Temp.	Lumens	Average Hours	M.O.L.	Notes pg. 95
35	DJD	GU10	617035	Q35CL/GU10	120	10 / 50	Clear	2900K	450	2000	2.625"	4
			617135	Q35FR/GU10	120	10 / 50	Frost	2900K	430	2000	2.625"	4
50	DJD	GU10	617050	Q50CL/GU10	120	10 / 50	Clear	2900K	670	2000	2.625"	4
			617150	Q50FR/GU10	120	10 / 50	Frost	2900K	650	2000	2.625"	4
75	T8	E26	614076	Q75CL/EDT	120	10 / 50	Clear	2900K	1150	2000	3.375"	4
			614072	Q75FR/EDT	120	10 / 50	Frost	2900K	1000	2000	3.375"	4
100	T8	E26	614101	Q100CL/EDT	120	10 / 50	Clear	2900K	1400	2000	3.375"	4
			614102	Q100FR/EDT	120	10 / 50	Frost	2900K	1300	2000	3.375"	4
150	T8	E26	614151	Q150CL/EDT	120	10 / 50	Clear	2900K	2200	2000	3.375"	4
			614152	Q150FR/EDT	120	10 / 50	Frost	2900K	2100	2000	3.375"	4
250	T10	E26	614251	Q250CL/EDT	120	10 / 50	Clear	2900K	4000	2000	4"	4
			614252	Q250FR/EDT	120	10 / 50	Frost	2900K	3600	2000	4"	4

Double Ended - Recessed Single Contact T3



- Provides UV protection
- Filament types include C-8, CC-8
- Ideal for residential and commercial applications, most commonly used in ceiling fixtures, wall mounts and portables



3/8 (78mm)

CLEAR
Q75T3/S
Q100T3/S
Q150T3/S
Q200T3/S
Q250T3/S



3/8 (78mm)

FROST
Q100T3FR/S
Q150T3FR/S



4 1/16 (118mm)

CLEAR
Q75T3CL Q250T3CL
Q100T3CL Q300T3CL
Q150T3CL Q500T3CL
Q200T3CL Q300T3/220

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/ Master	Description	Color Temp.	Lumens	Average Hours	M.O.L.	Notes pg. 95
75	T3	RSC	601075	Q75T3/S	120	10 / 50	Clear	2900K	1050	2000	3.125"	4
			600075	Q75T3CL	120	10 / 50	Clear	2900K	1050	2000	4.625"	4
100	T3	RSC	600101	Q100T3CL	120	10 / 50	Clear	2900K	1650	2000	4.625"	4
			601101	Q100T3/S	120	10 / 50	Clear	2900K	1650	2000	3.125"	4
			601102	Q100T3FR/S	120	10 / 50	Frost	2900K	1300	2000	3.125"	D,4
150	T3	RSC	600151	Q150T3CL	120	10 / 50	Clear	2900K	2400	2000	4.625"	4
			601151	Q150T3/S	120	10 / 50	Clear	2900K	2400	2000	3.125"	4
			601152	Q150T3FR/S	120	10 / 50	Frost	2900K	2200	2000	3.125"	D,4
200	T3	RSC	600201	Q200T3CL	120	10 / 50	Clear	2900K	3400	2000	4.625"	4
			601201	Q200T3/S	120	10 / 50	Clear	2900K	3400	2000	3.125"	4
250	T3	RSC	600251	Q250T3CL	120	10 / 50	Clear	2900K	4200	2000	4.667"	D,4
			601251	Q250T3/S	120	10 / 50	Clear	2900K	4500	2000	3.125"	4
300	T3	RSC	600301	Q300T3CL	120	10 / 50	Clear	2900K	5300	2000	4.625"	4
			600302	Q300T3/220	120	10 / 50	Clear	2900K	5000	2000	4.667"	D,4
500	T3	RSC	600501	Q500T3CL	120	10 / 50	Clear	2900K	9500	2000	4.625"	4

OMNI-DIRECTIONAL

MR8 & MR11 GU4, D.C. Bayonet - 6V, 12V, 24V



- Provides UV protection
- Filament types include C-6, C-8, and CC-8
- Ideal for commercial use in retail displays, showcases or exhibits



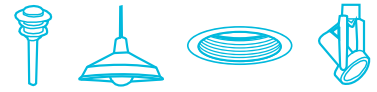
MR8 12V	MR11 6V	MR11 12V	MR11 12V	MR11 24V	MR11 12V
W/ LENS 12MR8LN 20MR8LN 20MR8LW 35MR8LN	W/ LENS 5MR11NF/6 10MR11NF/6	FTB FTC FTD FTE FTF FTH	W/ LENS FTB/L FTC/L FTD/L FTE/L FTH/L 5MR11NF/12 10MR11NF/12	W/ LENS FTB/24 FTC/24	FST W/ LENS FST/L

For LED alternatives, see Bulbrite's LED catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Beam	Color Temp.	Lumens	Average Hours	CBCP	M.O.L.	Notes pg. 95
5	MR11	GU4	642065	5MR11NF/6	6	10 / 50	N. Flood 18°	2900K	26	2000	50	1.25"	1,2,4
			642025	5MR11NF/12	12	10 / 50	N. Flood 18°	2900K	55	2000	120	1.25"	1,2,4
10	MR11	GU4	642061	10MR11NF/6	6	10 / 50	N. Flood 18°	2900K	90	2000	150	1.25"	1,2,4
			642021	10MR11NF/12	12	10 / 50	N. Flood 18°	2900K	125	2000	350	1.25"	1,2,4
12	MR8	GU4	648012	12MR8LN	12	10 / 50	Spot 9°	2900K	80	2000	1800	1.375"	1,2,4
20	MR8	GU4	648020	20MR8LN	12	10 / 50	Spot 10°	2900K	150	2000	1700	1.375"	1,2,4
			648120	20MR8LW	12	10 / 50	N. Flood 23°	2900K	155	2000	800	1.375"	1,2,4
	MR11	GU4	642120	FTB	12	10 / 50	Spot 10°	2900K	235	2000	1500	1.25"	1,2,4
			642220	FTC	12	10 / 50	N. Flood 16°	2900K	255	2000	500	1.25"	1,2,4
			642320	FTD	12	10 / 50	Flood 36°	2900K	255	2000	500	1.25"	1,2,4
			642122	FTB/L	12	10 / 50	Spot 10°	2900K	235	2000	1300	1.25"	1,2,4
			642222	FTC/L	12	10 / 50	N. Flood 16°	2900K	255	2000	450	1.25"	1,2,4
			642322	FTD/L	12	10 / 50	Flood 36°	2900K	255	2000	450	1.25"	1,2,4
			649120	FTB/24	24	10 / 50	Spot 10°	2900K	180	2000	1750	1.25"	D,1,2,4
			649220	FTC/24	24	10 / 50	N. Flood 16°	2900K	265	2000	720	1.25"	1,2,4
		BA15d	643220	FST	12	10 / 50	N. Flood 16°	2900K	255	2000	500	1.625"	1,2,4
			643221	FST/L	12	10 / 50	N. Flood 16°	2900K	255	2000	450	1.625"	1,2,4
35	MR8	GU4	648035	35MR8LN	12	10 / 50	Spot 13°	2900K	275	2000	2300	1.25"	D,1,2,4
			MR11	GU4	642135	FTE	12	10 / 50	Spot 10°	2900K	500	2000	2500
642235	FTF	12	10 / 50		N. Flood 16°	2900K	510	2000	800	1.25"	1,2,4		
642335	FTH	12	10 / 50		Flood 36°	2900K	510	2000	800	1.25"	1,2,4		
642137	FTE/L	12	10 / 50		Spot 10°	2900K	200	2000	2200	1.25"	D,1,2,4		
			642337	FTH/L	12	10 / 50	Flood 36°	2900K	510	2000	720	1.25"	1,2,4

DIRECTIONAL

MR16 GU5.3, D.C. Bayonet - 12V



- Provides UV protection
- Filament types include C-8, and CC-6
- Ideal for general residential and commercial applications



MR16 12V (GU5.3)

BAB EXZ
ESX FPA
FMW FPB
FRB EYC
EXN EYF
EXT

MR16 12V (GU5.3)

W/ LENS
10MR16F EXT/L
BAB/L EXZ/L
ESX/L FNV/L
FMW/L EYC/L
EXN/L

MR16 12V (GU5.3) TOTAL FROST

W/ LENS
BAB/TFR
FMW/TFR
EXN/TFR

MR16 12V (BA15d)

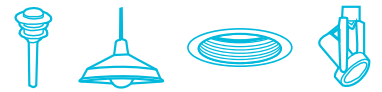
EXZ/DC

For LED alternatives, see Bulbrite's LED catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Beam	Color Temp.	Lumens	Average Hours	CBCP	M.O.L.	Notes pg. 95
10	MR16	GU5.3	641210	10MR16NF	12	10 / 50	N. Flood 24°	2900K	115	2000	270	1.875"	1,2,4
20	MR16	GU5.3	641320	BAB	12	10 / 50	Flood 36°	2900K	255	2000	500	1.875"	1,2,4
			645320	BAB/L	12	10 / 50	Flood 36°	2900K	255	2000	450	1.875"	1,2,4
			641120	ESX	12	10 / 50	Spot 12°	2900K	240	2000	2200	1.875"	1,2,4
			645120	ESX/L	12	10 / 50	Spot 12°	2900K	240	2000	2000	1.875"	1,2,4
			636120	BAB/TFR	12	10 / 50	Frost & Flood 36°	2900K	310	2000	560	1.875"	1,2,4
35	MR16	GU5.3	641335	FMW	12	10 / 50	Flood 36°	2900K	580	2000	925	1.875"	1,2,4
			645335	FMW/L	12	10 / 50	Flood 36°	2900K	580	2000	810	1.875"	1,2,4
			641135	FRB	12	10 / 50	Spot 12°	2900K	550	2000	3600	1.875"	1,2,4
			636135	FMW/TFR	12	10 / 50	Frost & Flood 36°	2900K	480	2000	750	1.875"	1,2,4
50	MR16	GU5.3	641350	EXN	12	10 / 50	Flood 36°	2900K	750	2000	1600	1.875"	1,2,4
			645350	EXN/L	12	10 / 50	Flood 36°	2900K	750	2000	1500	1.875"	1,2,4
			641150	EXT	12	10 / 50	Spot 12°	2900K	710	2000	7000	1.875"	1,2,4
			645150	EXT/L	12	10 / 50	Spot 12°	2900K	710	2000	6500	1.875"	1,2,4
			641250	EXZ	12	10 / 50	N. Flood 24°	2900K	750	2000	1600	1.875"	1,2,4
			645250	EXZ/L	12	10 / 50	N. Flood 24°	2900K	750	2000	1500	1.875"	1,2,4
			636150	EXN/TFR	12	10 / 50	Frost & Flood 36°	2900K	570	2000	1200	1.875"	1,2,4
			641450	FNV/L	12	10 / 50	W. Flood 60°	2900K	250	2000	950	1.875"	1,2,4
65	MR16	GU5.3	641165	FPA	12	10 / 50	Spot 10°	2900K	800	2000	7100	1.75"	1,2,4
			641365	FPB	12	10 / 50	Flood 35°	2900K	835	2000	2000	1.75"	1,2,4
75	MR16	GU5.3	641375	EYC	12	10 / 50	Flood 35°	2900K	1100	2000	1750	1.875"	1,2,4
			645375	EYC/L	12	10 / 50	Flood 36°	2900K	1100	2000	1650	1.875"	1,2,4
			641175	EYF	12	10 / 50	Spot 14°	2900K	1050	2000	9500	1.875"	1,2,4
		BA15d	644250	EXZ/DC	12	10 / 50	N. Flood 24°	2900K	285	2000	4400	2.25"	D,1,2,4

DIRECTIONAL

MR16 GU5.3, GY8 - 24V, 120V



- Provides UV protection
- Filament types include CC-2V and CC-8
- Ideal for general residential and commercial applications



MR16 24V GU5.3 BASE

W/ LENS
BAB/24
FMW/24
FRB/24
EXN/24
EXT/24

MR16 120V GU5.3 BASE

W/ LENS
BAB/120
FMW/120
EXN/120

MR16 120V GY8 BASE

W/ LENS
BAB/GY8
FMW/GY8
EXN/GY8

DIRECTIONAL

For LED alternatives, see Bulbrite's LED catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/ Master	Beam	Color Temp.	Lumens	Average Hours	CBCP	M.O.L.	Notes pg. 95
20	MR16	GU5.3	646320	BAB/24	24	10 / 50	Flood 36°	2900K	260	2000	405	1.875"	1,2,4
			620020	BAB/120	120	10 / 50	Flood 36°	2900K	130	2000	160	1.875"	2,4
			620320	BAB/GY8	120	10 / 50	Flood 36°	2900K	130	2000	160	1.875"	2,4
35	MR16	GU5.3	646135	FRB/24	24	10 / 50	Spot 12°	2900K	370	2000	3600	1.875"	D,1,2,4
			646335	FMW/24	24	10 / 50	Flood 36°	2900K	420	2000	1000	1.875"	1,2,4
			620035	FMW/120	120	10 / 50	Flood 36°	2900K	320	2000	360	1.875"	2,4
		GY8	620335	FMW/GY8	120	10 / 50	Flood 36°	2900K	320	2000	360	1.875"	2,4
50	MR16	GU5.3	646150	EXT/24	24	10 / 50	Spot 12°	2900K	710	2000	6000	1.875"	1,2,4
			646350	EXN/24	24	10 / 50	Flood 36°	2900K	750	2000	1845	1.875"	1,2,4
			620050	EXN/120	120	10 / 50	Flood 36°	2900K	560	2000	600	1.875"	2,4
		GY8	620350	EXN/GY8	120	10 / 50	Flood 36°	2900K	560	2000	600	1.875"	2,4

MR16 Long Life, Constant Color, IR GU5.3 - 12V



- GE's Constant Color® feature hard coated dichroic reflector creating consistent color over life of lamp
- IR lamps use less wattage and deliver higher light output
- Filament types include C-6, C-9 and Axial
- Ideal for residential and commercial applications, for both indoor and outdoor use



LONG LIFE GU5.3 BASE

W/ LENS

BAB/US FMW/US EXN/US EXZ/US
ESX/US FRB/US EXT/US FNV/US

GE's CONSTANT COLOR GU5.3 BASE

W/ LENS

20MR16C/CG15 35MR16C/CG40 50MR16C/CG55
20MR16C/CG40 50MR16C/CG15 71MR16C/CG15
35MR16C/CG12 50MR16C/CG25 71MR16C/CG40
35MR16C/CG20 50MR16C/CG40

IR GU5.3 BASE

W/ LENS

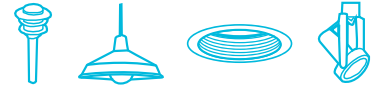
37MR16IRFL
37MR16IRNF
37MR16IRSP
50MR16IRFL
50MR16IRNF
50MR16IRSP

For LED alternatives, see Bulbrite's LED catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/ Master	Beam	Color Temp.	Lumens	Average Hours	CBCP	M.O.L.	Notes pg. 95
20	MR16	GU5.3	641321	BAB/US	12	10 / 20	Flood 36°	2900K	115	2000	510	1.75"	M,1,2,4
			641121	ESX/US	12	10 / 20	Spot 10°	2900K	115	2000	3000	1.75"	M,1,2,4
			642420	20MR16C/CG15	12	10 / 20	Spot 15°	2900K	255	5000	3150	1.875"	M,1,2,4
			642421	20MR16C/CG40	12	10 / 20	Flood 40°	2900K	255	5000	475	1.875"	M,1,2,4
35	MR16	GU5.3	641336	FMW/US	12	10 / 20	Flood 36°	2900K	240	2000	1000	1.75"	M,1,2,4
			641136	FRB/US	12	10 / 20	Spot 10°	2900K	240	2000	6000	1.75"	M,1,2,4
			642434	35MR16C/CG12	12	10 / 20	Spot 12°	2900K	310	5000	7500	1.875"	M,1,2,4
			642435	35MR16C/CG20	12	10 / 20	N. Flood 20°	2900K	580	5000	3200	1.875"	M,1,2,4
			642436	35MR16C/CG40	12	10 / 20	Flood 40°	2900K	580	5000	900	1.875"	M,1,2,4
37	MR16	GU5.3	641513	37MR16IRSP	12	10 / 20	Spot 10° IR	2900K	550	5000	12,500	1.75"	M,1,2,4
			641523	37MR16IRNF	12	10 / 20	N. Flood 24° IR	2900K	480	5000	4400	1.75"	M,1,2,4
			641533	37MR16IRFL	12	10 / 20	Flood 35° IR	2900K	750	5000	2200	1.75"	M,1,2,4
50	MR16	GU5.3	641515	50MR16IRSP	12	10 / 20	Spot 10° IR	2900K	750	5000	15,000	1.75"	M,1,2,4
			641525	50MR16IRNF	12	10 / 20	N. Flood 24° IR	2900K	710	4000	2850	1.75"	M,1,2,4
			641535	50MR16IRFL	12	10 / 20	Flood 36° IR	2900K	710	5000	2850	1.75"	M,1,2,4
			641351	EXN/US	12	10 / 20	Flood 36°	2900K	750	2000	1450	1.75"	M,1,2,4
			641151	EXT/US	12	10 / 20	Spot 10°	2900K	750	2000	7800	1.75"	M,1,2,4
			641251	EXZ/US	12	10 / 20	N. Flood 24°	2900K	570	2000	2800	1.75"	M,1,2,4
			641451	FNV/US	12	10 / 20	W. Flood 60°	2900K	250	2000	690	1.75"	M,1,2,4
			642450	50MR16C/CG15	12	10 / 20	Spot 15°	2900K	285	6000	8400	1.875"	M,1,2,4
			642451	50MR16C/CG25	12	10 / 20	N. Flood 25°	2900K	800	6000	2900	1.875"	M,1,2,4
			642452	50MR16C/CG40	12	10 / 20	Flood 40°	2900K	835	6000	1500	1.875"	M,1,2,4
642453	50MR16C/CG55	12	10 / 20	W. Flood 55°	2900K	1100	6000	850	1.875"	M,1,2,4			
71	MR16	GU5.3	642470	71MR16C/CG15	12	10 / 20	Spot 15°	2900K	1100	4000	10,800	1.875"	M,1,2,4
			642471	71MR16C/CG40	12	10 / 20	Flood 40°	2900K	1050	4000	2000	1.875"	M,1,2,4

DIRECTIONAL

Specialty MR11, MR16 3500K, 10,000 Hours, Colors



- Color MR16s feature integrated colored cover glass with aluminized coating
- Provides UV protection
- C-6 filament type
- Ideal for residential and commercial applications; most commonly used in track lighting, art galleries, jewelry stores and salons



3500K
W/ LENS
FMW/35K



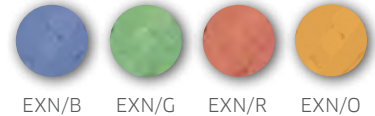
**SUPER LONG LIFE
10,000 HOURS**
W/ LENS
BAB/10M
FMW/10M
EXN/10M
EXZ/10M
EXT/10M



MR11 COLORS
W/ LENS



MR16 COLORS
W/ LENS



DIRECTIONAL

For LED alternatives, see Bulbrite's LED catalog.

* Lamps may vary in color when lit

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Beam	Color Temp.	Lumens	Average Hours	CBCP	M.O.L.	Notes pg. 95
20	MR16	GU5.3	639020	BAB/10M	12	10 / 50	Flood 36°	2900K	180	10,000	600	1.875"	1,2,4
	MR11	GU4	637120	FTD/B	12	10 / 50	Blue & Flood 36°	-	-	2000	92	1.25"	1,2,4
			637320	FTD/R	12	10 / 50	Red & Flood 36°	-	-	2000	78	1.25"	1,2,4
			637520	FTD/O	12	10 / 50	Orange & Flood 36°	-	-	2000	-	1.25"	1,2,4
35	MR16	GU5.3	640635	FMW/35K	12	10 / 50	Flood 36°	3500K	185	3000	650	1.875"	D,1,2,4
			639035	FMW/10M	12	10 / 50	Flood 36°	2900K	275	10,000	1100	1.875"	1,2,4
50	MR16	GU5.3	639250	EXT/10M	12	10 / 50	Spot 12°	2900K	420	10,000	8650	1.875"	1,2,4
			639150	EXZ/10M	12	10 / 50	N. Flood 25°	2900K	385	10,000	3450	1.875"	1,2,4
			639050	EXN/10M	12	10 / 50	Flood 36°	2900K	420	10,000	1650	1.875"	1,2,4
			637150	EXN/B	12	10 / 50	Blue & Flood 36°	-	-	2000	-	1.875"	1,2,4
			637250	EXN/G	12	10 / 50	Green & Flood 36°	-	-	2000	-	1.875"	1,2,4
			637350	EXN/R	12	10 / 50	Red & Flood 36°	-	-	2000	-	1.875"	1,2,4
		637550	EXN/O	12	10 / 50	Orange & Flood 36°	-	-	2000	-	1.875"	1,2,4	

Specialty MR11, MR16

Black, Silver



- Aluminized reflectors dissipate heat through the front of the lamp, reducing pink backspill
- Provides UV protection
- Filament types include CCM and C-6
- Ideal for residential and commercial applications; most commonly used in landscape lighting, recessed and track lighting



MR11 GU4 BASE

W/ LENS

BLACK **SILVER**
FTD/BLK FTD/SLV

MR16 GU5.3 BASE

W/ LENS

BLACK **SILVER**
BAB/BLK BAB/SLV
FMW/BLK FMW/SLV
EXN/BLK EXN/SLV
EXN/BLK/24 EXN/SLV/24
EXZ/BLK EXZ/SLV

MR16 GU10 BASE

W/ LENS

BLACK **SILVER**
FMW/GU10/BLK EXN/GU10/SLV
EXN/GU10/BLK

For LED alternatives, see Bulbrite's LED catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Beam	Color Temp.	Lumens	Average Hours	CBCP	M.O.L.	Notes p.95
20	MR11	GU4	638200	FTD/BLK	12	10 / 50	Black & Flood 36°	2900K	115	3000	750	1.25"	1,4
			638201	FTD/SLV	12	10 / 50	Silver & Flood 36°	2900K	120	3000	750	1.25"	1,4
	MR16	GU5.3	638220	BAB/BLK	12	10 / 50	Black & Flood 36°	2900K	125	3000	750	1.875"	1,4
			638221	BAB/SLV	12	10 / 50	Silver & Flood 36°	2900K	155	3000	750	1.875"	1,4
35	MR16	GU5.3	638350	FMW/BLK	12	10 / 50	Black & Flood 36°	2900K	290	3000	1320	1.875"	1,4
			638351	FMW/SLV	12	10 / 50	Silver & Flood 36°	2900K	275	3000	1320	1.875"	D,4
		GU10	638030	FMW/GU10/BLK	120	10 / 50	Black & Flood 36°	2900K	290	3000	1320	2.063"	1,4
50	MR16	GU5.3	638500	EXN/BLK	12	10 / 50	Black & Flood 36°	2900K	345	3000	1800	1.875"	1,4
			638501	EXN/SLV	12	10 / 50	Silver & Flood 36°	2900K	270	3000	1800	1.875"	1,4
			638520	EXN/BLK/24	24	10 / 50	Black & Flood 38°	2900K	645	3000	1800	1.875"	1,4
			638521	EXN/SLV/24	24	10 / 50	Silver & Flood 38°	2900K	645	3000	1800	1.875"	1,4
			638510	EXZ/BLK	12	10 / 50	Black & N. Flood 24°	2900K	320	3000	4670	1.875"	1,4
			638511	EXZ/SLV	12	10 / 50	Silver & N. Flood 24°	2900K	340	3000	4670	1.875"	1,4
		GU10	638050	EXN/GU10/BLK	120	10 / 50	Black & Flood 36°	2900K	460	3000	1800	2.063"	4
			638051	EXN/GU10/SLV	120	10 / 50	Silver & Flood 36°	2900K	370	3000	1800	2.063"	4

MR11, MR16, MR20, R111 GU10 - 120V



- Provides UV protection
- MR11 has frosted back to produce soft white backspill
- R111 is lensed with precise beam spread
- Filament types include CC-2V and CC-8
- Ideal for residential and commercial applications; most commonly used in landscape lighting, recessed and track lighting



MR11 GU10 BASE

**FROST
W/ CLEAR LENS**
20MR11/GU10F
35MR11/GU10F



MR16 GU10 BASE

W/ CLEAR LENS
BAB/GU10
FMW/GU10
EXN/GU10
EXZ/GU10

W/ FROSTED LENS
FMW/GU10/FR
EXN/GU10/FR



MR20 GU10 BASE

W/ LENS
75MR20/GU10F



R111

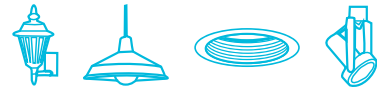
FLOOD
50R111GU/FL
75R111GU/FL

DIRECTIONAL

For LED alternatives, see Bulbrite's LED catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Beam	Color Temp.	Lumens	Average Hours	CBCP	M.O.L.	Notes p.95
20	MR11	GU10	620520	20MR11/GU10F	120	10 / 50	Frost & Flood 36°	2900K	135	2000	80	1.875"	4
			620120	BAB/GU10	120	10 / 50	Flood 36°	2900K	100	2000	160	2.063"	4
35	MR11	GU10	620535	35MR11/GU10F	120	10 / 50	Frost & Flood 36°	2900K	330	2000	220	1.875"	4
			620135	FMW/GU10	120	10 / 50	Flood 36°	2900K	250	2000	360	2.25"	4
			620137	FMW/GU10/FR	120	10 / 50	Frost & Flood 36°	2900K	250	3000	220	2.25"	4
50	MR16	GU10	620150	EXN/GU10	120	10 / 50	Flood 36°	2900K	400	2000	600	2.25"	4
			620153	EXN/GU10/FR	120	10 / 50	Frost & Flood 36°	2900K	275	3000	200	2.25"	4
			620151	EXZ/GU10	120	10 / 50	N. Flood 24°	2900K	400	2000	600	2.25"	4
	R111	GU10	634050	50R111GU/FL	120	6 / 48	N. Flood 24°	2900K	480	2000	1200	2.75"	4
75	MR20	GU10	620475	75MR20/GU10F	120	10 / 50	Frost & Flood 45°	2900K	520	2000	1000	2.563"	4
			634075	75R111GU/FL	120	6 / 48	N. Flood 24°	2900K	795	2000	2200	2.75"	4

Mini PAR16, JDR, PAR14 120V



- Bright white, halogen light
- Filament types include CC-8 and CC-M
- Ideal for commercial applications; most commonly used in museums, galleries and retail displays



MINI PAR16

CLEAR
BAB/E26
FMW/E26
EXN/E26

MINI PAR16

FROST
FMW/FR/E26



JDR
INTERMEDIATE BASE
Q75MR16M



JDR
MEDIUM BASE
Q75MR16EW
Q75MR16EM
Q100MR16EW



PAR14
MEDIUM BASE
35CAP14FL

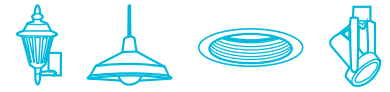
DIRECTIONAL

For LED alternatives, see Bulbrite's LED catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Beam	Color Temp.	Lumens	Average Hours	CBCP	M.O.L.	Notes p.95
20	MR16	E26	620220	BAB/E26	120	10 / 50	Flood 38°	2900K	140	2000	300	2.25"	4
35	PAR14	E26	681435	35CAP14FL	120	1 / 6	W. Flood 50°	2900K	450	2000	200	2.4375"	M,4
	MR16	E26	620235	FMW/E26	120	10 / 50	Flood 38°	2900K	310	2000	500	2.25"	4
			620236	FMW/FR/E26	120	10 / 50	Flood 38°	2900K	220	2000	210	2.25"	D,2,4
50	MR16	E26	620250	EXN/E26	120	10 / 50	Flood 38°	2900K	480	2000	800	2.25"	4
75	MR16	E17	622075	Q75MR16M	120	10 / 50	Spot 18°	2900K	900	2000	3500	2.75"	2,4
		E26	633075	Q75MR16EW	120	10 / 50	N. Flood 28°	2900K	900	2000	2100	2.625"	2,4
			632075	Q75MR16EM	120	10 / 50	Spot 18°	2900K	900	2000	3500	2.625"	2,4
100	MR16	E26	633100	Q100MR16EW	120	10 / 50	N. Flood 28°	2900K	1000	2000	3000	2.625"	2,4

PAR16, PAR20

120V, 130V



- Bright white, halogen light
- Filament types include CC-8 and CC-M
- Ideal for commercial applications; most commonly used in museums, galleries and retail displays



PAR16

120V

H40PAR16FL
H60PAR16FL
H60PAR16SP
H75PAR16FL

130V

H60PAR16FL3

PAR20

120V

H35PAR20NS

PAR20

120V

H35PAR20NF

DIRECTIONAL

For LED alternatives, see Bulbrite's LED catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Beam	Color Temp.	Lumens	Average Hours	CBCP	M.O.L.	Notes p.95
35	PAR20	E26	682031	H35PAR20NS	120	1 / 15	N. Spot 10°	2900K	380	2000	3000	3.125"	
			682033	H35PAR20NF	120	1 / 15	Flood 30°	2900K	380	2000	1000	3.125"	
40	PAR16	E26	681640	H40PAR16FL	120	1 / 15	Flood 30°	2900K	400	2000	530	3.125"	4
60	PAR16	E26	681660	H60PAR16FL	120	1 / 15	Flood 30°	2900K	650	2500	1100	3.125"	4
			681663	H60PAR16FL3	130	1 / 15	Flood 30°	2900K	495	5000	1100	3.125"	1,4
75	PAR16	E26	681661	H60PAR16SP	120	1 / 15	N. Spot 10°	2900K	650	2500	3300	3.125"	4
			681675	H75PAR16FL	120	1 / 15	Flood 30°	2900K	900	2500	1300	3.125"	4

EcoHalogen PAR20

- Compliant with EISA General Service Incandescent Reflector Standards
- Consumes less energy while delivering equal light output to traditional Halogen PARs
- CC-8 filament type
- Ideal for residential and commercial use in recessed lighting, museums, galleries and retail displays



EcoHalogen = Halogen
39W = 50W



PAR20 120V

SPOT
H39PAR20SP/ECO

FLOOD
H39PAR20FL/ECO



PAR20 130V

SPOT
H39PAR20SP3/ECO

FLOOD
H39PAR20FL3/ECO

DIRECTIONAL

For CFL alternatives, see pg 116; for LED alternatives, see Bulbrite's LED catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Beam	Color Temp.	Lumens	Average Hours	CBCP	M.O.L.	Notes p.95
39	PAR20	E26	682432	H39PAR20SP/ECO	120	15 / 30	Spot	2900K	530	3000	1800	3.125"	5
			682433	H39PAR20FL/ECO	120	15 / 30	Flood	2900K	530	3000	800	3.125"	5
39	PAR20	E26	682434	H39PAR20SP3/ECO	130	15 / 30	Spot	2900K	430	3000	1080	3.125"	1,5
			682435	H39PAR20FL3/ECO	130	15 / 30	Flood	2900K	430	3000	480	3.125"	1,5

EcoHalogen PAR30 Short Neck

- Compliant with EISA General Service Incandescent Reflector Standards
- Consumes less energy while delivering equal light output to traditional Halogen PARs
- CC-8 filament type
- Ideal for residential and commercial use in recessed lighting, museums, galleries and retail displays



EcoHalogen = Halogen
39W = 50W
60W = 75W



PAR30 SHORT NECK 120V

SPOT
H39PAR30SP/ECO
H60PAR30SP/ECO

FLOOD
H39PAR30FL/ECO
H60PAR30FL/ECO

WIDE FLOOD
H39PAR30WF/ECO
H60PAR30WF/ECO



PAR30 SHORT NECK 130V

SPOT
H39PAR30SP3/ECO

FLOOD
H39PAR30FL3/ECO

WIDE FLOOD
H39PAR30WF3/ECO

DIRECTIONAL

For CFL alternatives, see pg 116; for LED alternatives, see Bulbrite's LED catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Beam	Color Temp.	Lumens	Average Hours	CBCP	M.O.L.	Notes p.95
39	PAR30	E26	683432	H39PAR30SP/ECO	120	15 / 30	Spot	2900K	530	3000	2400	3.625"	5
			683433	H39PAR30FL/ECO	120	15 / 30	Flood	2900K	530	3000	1000	3.625"	5
			683440	H39PAR30WF/ECO	120	15 / 30	Wide Flood	2900K	530	3000	500	3.625"	5
60	PAR30	E26	683441	H39PAR30SP3/ECO	130	15 / 30	Spot	2900K	430	3000	1440	3.625"	1.5
			683442	H39PAR30FL3/ECO	130	15 / 30	Flood	2900K	430	3000	600	3.625"	1.5
			683443	H39PAR30WF3/ECO	120	15 / 30	Wide Flood	2900K	430	3000	300	3.625"	1.5
60	PAR30	E26	683454	H60PAR30SP/ECO	120	15 / 30	Spot	2900K	1070	3000	4500	3.625"	5
			683455	H60PAR30FL/ECO	120	15 / 30	Flood	2900K	1070	3000	2000	3.625"	5
			683459	H60PAR30WF/ECO	120	15 / 30	Wide Flood	2900K	1070	3000	900	3.625"	5

EcoHalogen PAR30 Long Neck

- Compliant with EISA General Service Incandescent Reflector Standards
- Consumes less energy while delivering equal light output to traditional Halogen PARs
- CC-8 filament type
- Ideal for residential and commercial use in recessed lighting, museums, galleries and retail displays



EcoHalogen = Halogen
39W = 50W
60W = 75W



PAR30 LONG NECK 120V

SPOT

H39PAR30SP/L/ECO
H60PAR30SP/L/ECO

FLOOD

H39PAR30FL/L/ECO
H60PAR30FL/L/ECO

WIDE FLOOD

H39PAR30WF/L/ECO
H60PAR30WF/L/ECO



PAR30 LONG NECK 130V

SPOT

H39PAR30SP3/L/ECO

FLOOD

H39PAR30FL3/L/ECO

WIDE FLOOD

H39PAR30WF3/L/ECO

For CFL alternatives, see pg 116; for LED alternatives, see Bulbrite's LED catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/ Master	Beam	Color Temp.	Lumens	Average Hours	CBCP	M.O.L.	Notes p.95
39	PAR30 Long Neck	E26	683434	H39PAR30SP/L/ECO	120	15 / 30	Spot	2900K	530	3000	2400	4.75"	5
			683435	H39PAR30FL/L/ECO	120	15 / 30	Flood	2900K	530	3000	1000	4.75"	5
			683436	H39PAR30WF/L/ECO	120	15 / 30	Wide Flood	2900K	530	3000	500	4.75"	5
			683437	H39PAR30SP3/L/ECO	120	15 / 30	Spot	2900K	430	3000	1440	4.75"	1,5
			683438	H39PAR30FL3/L/ECO	130	15 / 30	Flood	2900K	430	3000	600	4.75"	1,5
			683439	H39PAR30WF3/L/ECO	120	15 / 30	Wide Flood	2900K	430	3000	300	4.75"	1,5
60	PAR30 Long Neck	E26	683456	H60PAR30SP/L/ECO	120	15 / 30	Spot	2900K	1070	3000	4800	4.75"	5
			683457	H60PAR30FL/L/ECO	120	15 / 30	Flood	2900K	1070	3000	2000	4.75"	5
			683458	H60PAR30WF/L/ECO	120	15 / 30	Wide Flood	2900K	1070	3000	900	4.75"	5

EcoHalogen PAR38

- Compliant with EISA General Service Incandescent Reflector Standards
- Consumes less energy while delivering equal light output to traditional Halogen PARs
- CC-8 filament type
- Ideal for residential and commercial use in recessed lighting, museums, galleries and retail displays



EcoHalogen = Halogen
 39W = 50W
 60W = 75W
 70W = 90W



PAR38 120V

SPOT

- H39PAR38SP/ECO
- H60PAR38SP/ECO
- H70PAR38SP/ECO

FLOOD

- H39PAR38FL/ECO
- H60PAR38FL/ECO
- H70PAR38FL/ECO

WIDE FLOOD

- H39PAR38WF/ECO
- H60PAR38WF/ECO
- H70PAR38WF/ECO



PAR38 130V

SPOT

- H39PAR38SP3/ECO

FLOOD

- H39PAR38FL3/ECO

WIDE FLOOD

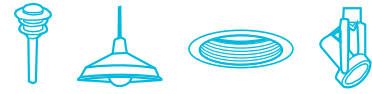
- H39PAR38WF3/ECO

For CFL alternatives, see pg 116; for LED alternatives, see Bulbrite's LED catalog.

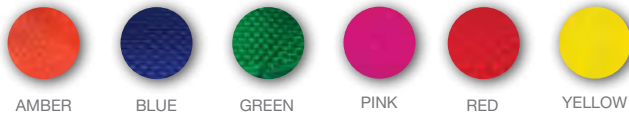
Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Beam	Color Temp.	Lumens	Average Hours	CBCP	M.O.L.	Notes p.95
39	PAR38	E26	683461	H39PAR38SP/ECO	120	1 / 15	Spot	2900K	530	3000	1800	5.3125"	5
			683462	H39PAR38FL/ECO	120	1 / 15	Flood	2900K	530	3000	800	5.3125"	5
			683463	H39PAR38WF/ECO	120	1 / 15	Wide Flood	2900K	530	3000	500	5.3125"	5
			683464	H39PAR38SP3/ECO	130	1 / 15	Spot	2900K	430	3000	1440	5.3125"	5
			683465	H39PAR38FL3/ECO	130	1 / 15	Flood	2900K	430	3000	600	5.3125"	5
			683466	H39PAR38WF3/ECO	130	1 / 15	Wide Flood	2900K	430	3000	300	5.3125"	5
60	PAR38	E26	684451	H60PAR38SP/ECO	120	15 / 30	Spot	2900K	1070	3000	4800	5.3125"	5
			684452	H60PAR38FL/ECO	120	15 / 30	Flood	2900K	1070	3000	2000	5.3125"	5
			684453	H60PAR38WF/ECO	120	15 / 30	Wide Flood	2900K	1070	3000	900	5.3125"	5
70	PAR38	E26	684472	H70PAR38SP/ECO	120	15 / 30	Spot	2900K	1305	3000	6000	5.3125"	5
			684473	H70PAR38FL/ECO	120	15 / 30	Flood	2900K	1305	3000	2500	5.3125"	5
			684474	H70PAR38WF/ECO	120	15 / 30	Wide Flood	2900K	1305	3000	1100	5.3125"	5

DIRECTIONAL

Colored PARS PAR20, PAR30, PAR38



- Heat resistant paint creates vibrant colors
- CC-8 filament type
- Ideal for residential and commercial applications, for both indoor and outdoor use



* Lamps may vary in color when lit



PAR20 COLORS

H50PAR20A
H50PAR20B
H50PAR20G
H50PAR20P
H50PAR20R
H50PAR20Y

PAR30 COLORS

H75PAR30A
H75PAR30B
H75PAR30G
H75PAR30P
H75PAR30R
H75PAR30Y

PAR38 COLORS

H90PAR38A
H90PAR38B
H90PAR38G
H90PAR38P
H90PAR38R
H90PAR38Y

DIRECTIONAL

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Beam	Color Temp.	Average Hours	M.O.L.
50	PAR20	E26	683502	H50PAR20A	120	1 / 15	Amber	2900K	2500	3.125"
			683503	H50PAR20B	120	1 / 15	Blue	2900K	2500	3.125"
			683504	H50PAR20G	120	1 / 15	Green	2900K	2500	3.125"
			683506	H50PAR20P	120	1 / 15	Pink	2900K	2500	3.125"
			683507	H50PAR20R	120	1 / 15	Red	2900K	2500	3.125"
			683508	H50PAR20Y	120	1 / 15	Yellow	2900K	2500	3.125"
75	PAR20	E26	683752	H75PAR30A	120	1 / 15	Amber	2900K	2500	3.625"
			683753	H75PAR30B	120	1 / 15	Blue	2900K	2500	3.625"
			683754	H75PAR30G	120	1 / 15	Green	2900K	2500	3.625"
			683756	H75PAR30P	120	1 / 15	Pink	2900K	2500	3.625"
			683757	H75PAR30R	120	1 / 15	Red	2900K	2500	3.625"
			683758	H75PAR30Y	120	1 / 15	Yellow	2900K	2500	3.625"
100	PAR20	E26	683902	H90PAR38A	120	1 / 15	Amber	2900K	2500	5.3125"
			683903	H90PAR38B	120	1 / 15	Blue	2900K	2500	5.3125"
			683904	H90PAR38G	120	1 / 15	Green	2900K	2500	5.3125"
			683906	H90PAR38P	120	1 / 15	Pink	2900K	2500	5.3125"
			683907	H90PAR38R	120	1 / 15	Red	2900K	2500	5.3125"
			683908	H90PAR38Y	120	1 / 15	Yellow	2900K	2500	5.3125"

Halogen Reflectors

R20, BR30, BR40



- 20% brighter than standard incandescent reflectors
- CC-8 filament types
- Ideal for residential and commercial use in recessed and track lighting

DIRECTIONAL



R20 H45R20FL	BR30 H65BR30FL	BR40 H65BR40FL
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For CFL alternatives, see pg 114-115; for LED alternatives see Bulbrite's LED catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Beam	Color Temp.	Lumens	Average Hours	CBCP	M.O.L.
45	R20	E26	692045	H45R20FL	120	12 / 96	W. Flood 60°	2900K	495	2500	280	3.875"
65	BR30	E26	694065	H65BR30FL	120	6 / 48	W. Flood 60°	2900K	810	2500	420	5.25"
	BR40	E26	695065	H65BR40FL	120	6 / 24	W. Flood 60°	2900K	820	2500	425	6.5"



Aluminized Reflectors ALR37, ALR56, AR70, AR111

- Bright white light
- Aluminized reflectors dissipate heat through the front of the lamp, reducing pink backspill
- Precise beam spreads and C-8 filament type
- Ideal for commercial applications; commonly used in retail, theaters and art exhibits



ALR-37mm GBD GBE GBF	ALR-56mm GBK	AR70 20AR70FL 20AR70SP 50AR70FL 50AR70SP	AR111 35AR111SSP 50AR111FL 35AR111SP 75AR111SP 50AR111SSP 75AR111FL 50AR111SP 75AR111WFL
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For LED alternatives, see Bulbrite's LED catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Beam	Color Temp.	Lumens	Average Hours	CBCP	M.O.L.	Notes p.95											
20	ALR 37mm	BA15d	674420	GBD	12	10 / 50	Clear & N. Spot 6°	2900K	250	2000	7000	1.5"	M.1											
			674421	GBE	12	10 / 50	Frost & Spot 18°	2900K	250	2000	1500	1.5"	M.1											
			674422	GBF	12	10 / 50	Frost & Flood 32°	2900K	250	2000	750	1.5"	M.1											
	AR70	BA15d	675020	20AR70FL	12	1 / 10	Flood 24°	2900K	-	3000	900	2"	M.1											
			675120	20AR70SP	12	1 / 10	Spot 8°	2900K	-	3000	7700	2"	M.1											
35	AR111	G53	671035	35AR111SSP	6	1 / 6	Super Spot 4°	2900K	-	3000	30,000	2.375"	M.1											
			671135	35AR111SP	12	1 / 6	Spot 8°	2900K	-	3000	14,000	2.25"	M.1											
50	ALR 56mm	BA15d	674451	GBK	12	10 / 50	Frost & N. Flood 25°	2900K	820	2000	2500	2.25"	M.1											
														AR70	BA15d	675050	50AR70FL	12	1 / 10	Flood 24°	2900K	-	3000	2600
				675150	50AR70SP	12	1 / 10	Spot 8°	2900K	-	3000	12,500	2"	M.1										
	AR111	G53	672050	50AR111SSP	12	1 / 6	Super Spot 4°	2900K	-	3000	40,000	2.375"	M.1											
673050														50AR111SP	12	1 / 6	Spot 6°	2900K	-	3000	17,000	2.25"	M.1	
674050														50AR111FL	12	1 / 6	N. Flood 24°	2900K	-	3000	4000	2.3125"	M.1	
75	AR111	G53	673075	50AR111FL	12	1 / 6	Spot 6°	2900K	-	3000	30,000	2.25"	M.1											
														674075	75AR111FL	12	1 / 6	N. Flood 24°	2900K	-	3000	5300	2.3125"	M.1
														675075	75AR111WFL	12	1 / 6	Flood 45°	2900K	-	3000	2000	2.1875"	M.1

DIRECTIONAL

Sealed Beam PAR36



- Bright white light and long life
- Filament types include C-6 and CC-6
- PAR36 is ideal for landscape applications
- Ideal for commercial applications; most commonly used in transportation and industrial equipment

DIRECTIONAL



PAR36

HX36PAR36VNS
HX36PAR36NSP
HX36PAR36WFL
HX50PAR36WFL

For LED alternatives, see Bulbrite's LED catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Beam	Color Temp.	Lumens	Average Hours	CBCP	M.O.L.	Notes p.95
36	PAR36	Screw Term.	683611	HX36PAR36VNS	12	12 / 48	V. Narrow Spot 5°	2900K	400	5000	17,000	2.875"	D,1
			683612	HX36PAR36NSP	12	12 / 48	Spot 12°	2900K	400	4000	3500	2.875"	1
			683613	HX36PAR36WFL	12	12 / 48	Flood 32°	2900K	400	4000	1000	2.875"	1
50	PAR36	Screw Term.	674351	HX50PAR36WFL	12	12 / 48	Flood 32°	2900K	650	4000	1600	2.875"	1

Halogen Footnotes

D	Discontinued Item - Limited Quantity Available
M	Major Brand
E	Bulb meets Federal minimum efficiency standards

- 1** This product has a design voltage other than 120V. When operated on a 120V line, average hours (lamp life) is extended approximately 2 times and brightness (lumens) is reduced approximately 20%. Brightness (lumens) and life (average hours) of this product will vary when operated at its design voltage. To ensure proper operation of the lamp, use the appropriate transformers/fixtures for the designated lamp voltage.

- 2** This lamp utilizes a dichroic reflector. The dichroic coating reflects only the visible light region of the spectrum and not infrared light, allowing heat to dissipate through the back of the lamp. This results in what is referred to as a “cool beam”. The infrared light (heat) coming from the lamp may result in a pink backspill.

- 3** This lamp should not be handled without the protection of a cloth or glove. If natural oils in the skin come in contact with the outer glass shell, the lamp’s performance may be hindered. If your hands come into contact with the lamp, dampen a cloth with a small amount of rubbing alcohol to clean the lamp. Allow lamp to dry before operating.

- 4** This lamp is UV protected. This lamp emits less heat and minimal UV rays, making it safe for lighting sensitive items such as fabrics and artwork.

- 5** This product meets the minimum efficiency standards set forth in the 2007 Energy Independence and Security Act. For more information, visit www.bulbrite.com/EISA.

IMPORTANT NOTE:

Halogen lamps operate at a higher efficiency level than standard incandescent lamps due to the internal halogen cycle which reinforces the durability of the lamp filament. Operating temperature must be above 250°C and less than 1,100°C to ensure proper halogen cycle.

CAUTION:

Halogen lamps operate under pressure at high temperatures and could unexpectedly shatter. Halogen lamps should be used in fixtures that use the appropriate UL recommended glass shielding to reduce the risk of personal injury or fire.

WARNING:

In the event that the halogen lamp breaks, particles of extremely hot glass could be discharged into the fixture and/or surrounding area, creating a risk of personal injury or fire. In addition, the inner halogen capsule produces ultraviolet radiation that can cause injury to the eyes and skin with prolonged exposure without the blocking effect of the outer glass bulb.

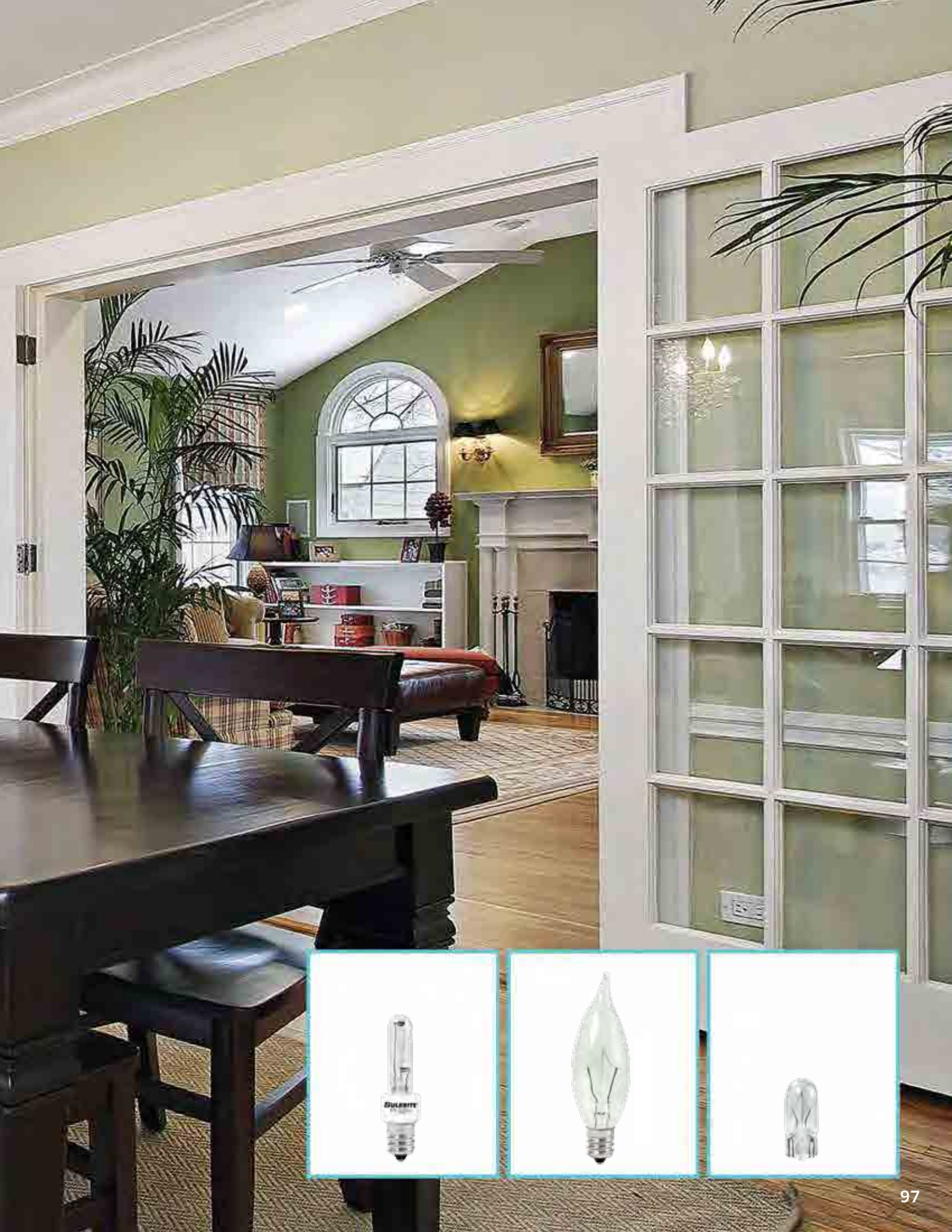
Discontinue use immediately if outer glass or lamp capsule is scratched, broken or shows signs of cracking. Lamp may continue to operate if outer glass breaks; however, immediately discontinue use.

When replacing or removing a halogen lamp, make sure all power to lamp is turned off and allow lamp to cool before touching to avoid electrical shock or burn. To avoid electric shock and/or skin burns, turn off power and allow bulb to cool before handling or attempting replacement.

Do not use in close proximity to combustible materials.

All data in this catalog is subject to change without notice. See Bulbrite.com for most current product specifications.





KX-2000® T3 Candelabra Base



- Exclusive manufacturer of E12 base
- Same bright white light as a halogen using pure xenon gas from Japan
- Fully dimmable without loss of performance
- Ideal for multiple residential and commercial applications such as chandeliers, vanities, portables, wall mounts, sconces and outdoor fixtures



CANDELABRA BASE (E12)

CLEAR

KX20CL/E12
KX40CL/E12
KX60CL/E12

FROST

KX20FR/E12
KX40FR/E12
KX60FR/E12

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 105
20	T3	E12	473020	KX20CL/E12	120	10 / 50	Clear	200	3000	2.438"	1,2,3
			473021	KX20FR/E12	120	10 / 50	Frost	200	3000	2.438"	1,2,3
40	T3	E12	473040	KX40CL/E12	120	10 / 50	Clear	560	3000	2.438"	1,2,3
			473041	KX40FR/E12	120	10 / 50	Frost	560	3000	2.438"	1,2,3
60	T3	E12	473060	KX60CL/E12	120	10 / 50	Clear	960	3000	2.438"	1,2,3
			473061	KX60FR/E12	120	10 / 50	Frost	960	3000	2.438"	1,2,3

KX-2000®

T3 D.C. Bayonet, Mini Candelabra



- Same bright white light as a halogen using pure xenon gas from Japan
- Fully dimmable without loss of performance
- Ideal for various home and commercial applications such as chandeliers, vanities, portables, wall mounts, sconces and outdoor fixtures



D.C. BAYONET (BA15d)

CLEAR
KX20CL/DC
KX40CL/DC
KX60CL/DC

FROST
KX20FR/DC
KX40FR/DC
KX60FR/DC

MINI CANDELABRA (E11)

CLEAR
KX20CL/MC
KX40CL/MC
KX60CL/MC

FROST
KX20FR/MC
KX40FR/MC
KX60FR/MC

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 105
20	T3	BA15d	473220	KX20CL/DC	120	10 / 50	Clear	200	3000	2.25"	1,2,3
			473221	KX20FR/DC	120	10 / 50	Frost	200	3000	2.25"	1,2,3
	E11		473120	KX20CL/MC	120	10 / 50	Clear	200	3000	2.313"	1,2,3
			473121	KX20FR/MC	120	10 / 50	Frost	200	3000	2.313"	1,2,3
40	T3	BA15d	473240	KX40CL/DC	120	10 / 50	Clear	560	3000	2.25"	1,2,3
			473241	KX40FR/DC	120	10 / 50	Frost	560	3000	2.25"	1,2,3
	E11		473140	KX40CL/MC	120	10 / 50	Clear	560	3000	2.313"	1,2,3
			473141	KX40FR/MC	120	10 / 50	Frost	560	3000	2.313"	1,2,3
60	T3	BA15d	473260	KX60CL/DC	120	10 / 50	Clear	960	3000	2.25"	1,2,3
			473261	KX60FR/DC	120	10 / 50	Frost	960	3000	2.25"	1,2,3
	E11		473160	KX60CL/MC	120	10 / 50	Clear	960	3000	2.313"	1,2,3
			473161	KX60FR/MC	120	10 / 50	Frost	960	3000	2.313"	1,2,3

Krystal Touch®

G11, G16½ Candelabra Base



- Krypton filled lamps produce a sparkling white light
- On average 40% brighter than standard globes
- Ideal for vanities, portables and outdoor fixtures



Featured in



G11

CLEAR

KR15G11CL
KR25G11CL
KR40G11CL

G16½

CLEAR

KR15G16CL
KR25G16CL
KR40G16CL
KR60G16CL

For LED alternatives, see [Bulbrite's LED catalog](#).

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/ Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 105
15	G11	E12	461015	KR15G11CL	120	10 / 120	Clear	145	2000	2.125"	1
	G16 1/2	E12	461215	KR15G16CL	120	10 / 120	Clear	145	2000	3"	1
25	G11	E12	461025	KR25G11CL	120	10 / 120	Clear	250	1500	2.125"	1
	G16 1/2	E12	461225	KR25G16CL	120	10 / 120	Clear	240	2000	3"	1
40	G11	E12	461040	KR40G11CL	120	10 / 120	Clear	440	1500	2.125"	1
	G16 1/2	E12	461240	KR40G16CL	120	10 / 120	Clear	440	2000	3"	1
60	G16 1/2	E12	461260	KR60G16CL	120	10 / 120	Clear	730	2000	3"	1

Krystal Touch®

B8, B10, CA8, CA10



- The only 10W Krypton bulb on the market
- Krypton filled lamps produce a sparkling white light
- On average 30% brighter than standard chandelier lamps
- Ideal for decorative lighting in chandeliers, wall mounts, sconces and outdoor fixtures



B8 TORPEDO (E12)

KR10CTC/25
KR15CTC/25
KR25CTC/25

B10 TORPEDO (E12)

KR25CTC/32
KR40CTC/32
KR60CTC/32

CA8 FLAME (E12)

KR10CFC/25
KR15CFC/25
KR25CFC/25

CA10 FLAME (E12)

KR25CFC/32
KR40CFC/32
KR60CFC/32

B10 TORPEDO (E26)

KR25ETC/32
KR40ETC/32

For LED alternatives, see Bulbrite's LED catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 105
10	B8	E12	460010	KR10CTC/25	120	10 / 120	Clear	80	2000	3.125"	1
	CA8	E12	460310	KR10CFC/25	120	10 / 120	Clear	105	2000	3.25"	1
15	B8	E12	460015	KR15CTC/25	120	10 / 120	Clear	145	2000	3.125"	1
	CA8	E12	460315	KR15CFC/25	120	10 / 120	Clear	145	1500	3.25"	1
25	B8	E12	460020	KR25CTC/25	120	10 / 120	Clear	250	2000	3.125"	1
	B10	E12	460025	KR25CTC/32	120	10 / 120	Clear	240	2500	3.875"	1
		E26	460525	KR25ETC/32	120	10 / 120	Clear	240	2500	3.875"	1
	CA8	E12	460320	KR25CFC/25	120	10 / 120	Clear	250	1500	3.25"	1
40	CA10	E12	460325	KR25CFC/32	120	10 / 120	Clear	240	2500	4"	1
	B10	E12	460040	KR40CTC/32	120	10 / 120	Clear	440	2500	3.875"	1
	B10	E26	460540	KR40ETC/32	120	10 / 120	Clear	440	2500	3.875"	1
60	CA10	E12	460340	KR40CFC/32	120	10 / 120	Clear	440	2500	4"	1
	B10	E12	460060	KR60CTC/32	120	10 / 120	Clear	730	2500	3.875"	1
	CA10	E12	460360	KR60CFC/32	120	10 / 120	Clear	730	2500	4"	1

X2000™ Xenon

G4, GY6.35 Bi-Pin



- 100% pure Xenon gas
- Low pressure does not require shielding
- Ideal for pendants, portables, chandeliers, signs and displays



T3 G4

CLEAR

12V

JC5XE/12
JC10XE/12
JC15XE/12
JC20XE/12

24V

JC5XE/24
JC10XE/24
JC15XE/24
JC20XE/24

T3 G4

FROST

12V

JC5XEF/12
JC10XEF/12
JC15XEF/12
JC20XEF/12

24V

JC5XEF/24
JC10XEF/24
JC15XEF/24
JC20XEF/24

T5 GY6.35

CLEAR

12V

JC35XE/12
JC50XE/12

24V

JC35XE/24
JC50XE/24

T5 GY6.35

FROST

12V

JC35XEF/12
JC50XEF/12

24V

JC50XEF/24

OMNI-DIRECTIONAL

For LED alternatives, see Bulbrite's LED catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 105
5	T3	G4	715205	JC5XE/12	12	10 / 50	Clear	45	10,000	1.375"	1,2,3,4
			715305	JC5XE/24	24	10 / 50	Clear	40	10,000	1.375"	1,2,3,4
			715206	JC5XEF/12	12	10 / 50	Frost	45	10,000	1.375"	1,2,3,4
10	T3	G4	715210	JC10XE/12	12	10 / 50	Clear	100	10,000	1.375"	1,2,3,4
			715310	JC10XE/24	24	10 / 50	Clear	95	10,000	1.375"	1,2,3,4
			715211	JC10XEF/12	12	10 / 50	Frost	100	10,000	1.375"	1,2,3,4
15	T3	G4	715215	JC15XE/12	12	10 / 50	Clear	150	10,000	1.375"	1,2,3,4
			715315	JC15XE/24	24	10 / 50	Clear	150	10,000	1.375"	1,2,3,4
			715216	JC15XEF/12	12	10 / 50	Frost	150	10,000	1.375"	D,1,2,3,4
			715316	JC15XEF/24	24	10 / 50	Frost	150	10,000	1.375"	D,1,2,3,4
20	T3	G4	715220	JC20XE/12	12	10 / 50	Clear	200	10,000	1.375"	1,2,3,4
			715320	JC20XE/24	24	10 / 50	Clear	200	10,000	1.375"	1,2,3,4
			715221	JC20XEF/12	12	10 / 50	Frost	200	10,000	1.375"	1,2,3,4
			715321	JC20XEF/24	24	10 / 50	Frost	200	10,000	1.375"	D,1,2,3,4
35	T5	GY6.35	715235	JC35XE/12	12	10 / 50	Clear	420	10,000	1.938"	1,2,3,4
			715335	JC35XE/24	24	10 / 50	Clear	420	10,000	1.938"	1,2,3,4
			715236	JC35XEF/12	12	10 / 50	Frost	420	10,000	1.938"	1,2,3,4
50	T5	GY6.35	715250	JC50XE/12	12	10 / 50	Clear	600	10,000	1.938"	1,2,3,4
			715350	JC50XE/24	24	10 / 50	Clear	600	10,000	1.938"	1,2,3,4
			715251	JC50XEF/12	12	10 / 50	Frost	600	10,000	1.938"	1,2,3,4
			715351	JC50XEF/24	24	10 / 50	Frost	600	10,000	1.938"	D,1,2,3,4

X2000™ Xenon Wedge



Krypton/Xenon

- 100% pure Xenon gas
- Low pressure does not require shielding
- Ideal for landscapes, signage and automobile lighting



**T3 1/4
CLEAR**
12V
XE3/12
XE5/12
XE10/12

24V
XE5/24
XE7/24

**T3 1/4
FROST**
12V
XE3F/12
XE5F/12

24V
XE5F/24
XE10F/24

**T5
CLEAR**
12V
XE18/12

24V
XE10/24

**T5
FROST**
12V
XE18F/12

OMNI-DIRECTIONAL

For LED alternatives, see Bulbrite's LED catalog.

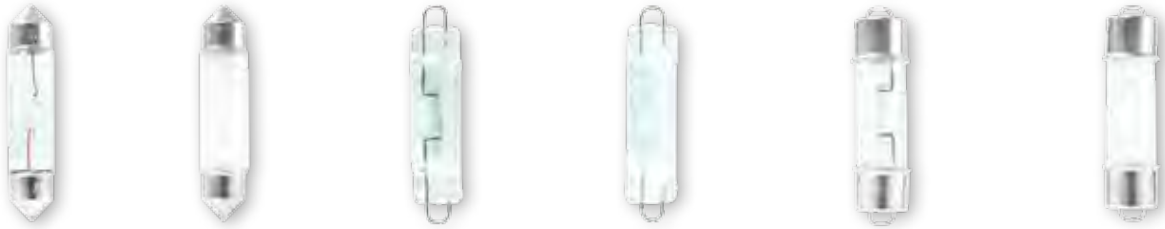
Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 105
3	T3 1/4	Wedge	715503	XE3/12	12	10 / 50	Clear	23	20,000	1"	1,2,3,4
			715533	XE3F/12	12	10 / 50	Frost	22	20,000	1"	1,2,3,4
5	T3 1/4	Wedge	715505	XE5/12	12	10 / 50	Clear	33	10,000	1"	1,2,3,4
			715515	XE5/24	24	10 / 50	Clear	38	10,000	1"	1,2,3,4
			715535	XE5F/12	12	10 / 50	Frost	33	10,000	1"	1,2,3,4
7	T3 1/4	Wedge	715517	XE7/24	24	10 / 50	Clear	65	10,000	1"	1,2,3,4
			715545	XE5F/24	24	10 / 50	Frost	38	10,000	1"	1,2,3,4
10	T3 1/4	Wedge	715510	XE10/12	12	10 / 50	Clear	100	10,000	1"	1,2,3,4
			715519	XE10/24	24	10 / 50	Clear	90	10,000	1.438"	1,2,3,4
			715511	XE10F/24	24	10 / 50	Frost	100	10,000	1"	1,2,3,4
18	T5	Wedge	715508	XE18/12	12	10 / 50	Clear	250	20,000	1.438"	1,2,3,4
			715518	XE18F/12	12	10 / 50	Frost	250	20,000	1.438"	1,2,3,4

X2000™ Xenon

Festoon, Rigid Loop, Rigid Loop Cap



- 100% pure Xenon gas
- Low pressure does not require shielding
- Ideal for signs and displays



FESTOON CLEAR	FESTOON FROST	RIGID LOOP CLEAR	RIGID LOOP FROST	RIGID LOOP CAP CLEAR	RIGID LOOP CAP FROST
12V FEX3/12 FEX5/12 FEX10/12	12V FEX3F/12 FEX5F/12 FEX10F/12	12V RLX5/12 RLX10/12	12V RLX5F/12 RLX10F/12	12V RLC10/12	12V RLC10F/12
24V FEX3/24 FEX5/24 FEX10/24	24V FEX3F/24 FEX5F/24 FEX10F/24	24V RLX5/24 RLX10/24	24V RLX5F/24 RLX10F/24	24V RLC10/24	24V RLC5F/24

For LED alternatives, see Bulbrite's LED catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Description	Lumens	Average Hours	M.O.L.	Notes pg. 105
3	T3¼	Festoon	715603	FEX3/12	12	10 / 50	Clear	25	5000	1.719"	1,2,3,4
			715604	FEX3/24	24	10 / 50	Clear	25	5000	1.719"	1,2,3,4
			715633	FEX3F/12	12	10 / 50	Frost	25	5000	1.719"	1,2,3,4
			715634	FEX3F/24	24	10 / 50	Frost	25	5000	1.719"	1,2,3,4
5	T3¼	Festoon	715605	FEX5/12	12	10 / 50	Clear	50	5000	1.719"	1,2,3,4
			715606	FEX5/24	24	10 / 50	Clear	50	5000	1.719"	1,2,3,4
			715635	FEX5F/12	12	10 / 50	Frost	50	5000	1.719"	1,2,3,4
			715636	FEX5F/24	24	10 / 50	Frost	50	5000	1.719"	1,2,3,4
		Rigid Loop	715705	RLX5/12	12	10 / 50	Clear	45	20,000	1.75"	1,2,3,4
			715706	RLX5/24	24	10 / 50	Clear	40	20,000	1.75"	1,2,3,4
			715735	RLX5F/12	12	10 / 50	Frost	45	20,000	1.75"	1,2,3,4
			715736	RLX5F/24	24	10 / 50	Frost	40	20,000	1.75"	1,2,3,4
Rigid Loop Cap	715836	RLC5F/24	24	10 / 50	Frost	40	20,000	1.75"	1,2,3,4		
10	T3¼	Festoon	715610	FEX10/12	12	10 / 50	Clear	120	5000	1.719"	1,2,3,4
			715611	FEX10/24	24	10 / 50	Clear	120	3000	1.719"	1,2,3,4
			715630	FEX10F/12	12	10 / 50	Frost	120	5000	1.719"	1,2,3,4
			715631	FEX10F/24	24	10 / 50	Frost	120	3000	1.719"	1,2,3,4
		Rigid Loop	715710	RLX10/12	12	10 / 50	Clear	100	20,000	1.75"	1,2,3,4
			715711	RLX10/24	24	10 / 50	Clear	90	20,000	1.75"	1,2,3,4
			715730	RLX10F/12	12	10 / 50	Frost	100	20,000	1.75"	1,2,3,4
			715731	RLX10F/24	24	10 / 50	Frost	90	20,000	1.75"	1,2,3,4
		Rigid Loop Cap	715810	RLC10/12	12	10 / 50	Clear	100	20,000	1.75"	D,1,2,3,4
			715811	RLC10/24	24	10 / 50	Clear	90	20,000	1.75"	1,2,3,4
			715830	RLC10F/12	12	10 / 50	Frost	100	20,000	1.75"	D,1,2,3,4

Krypton / Xenon Footnotes

D Discontinued Item - Limited Quantity Available

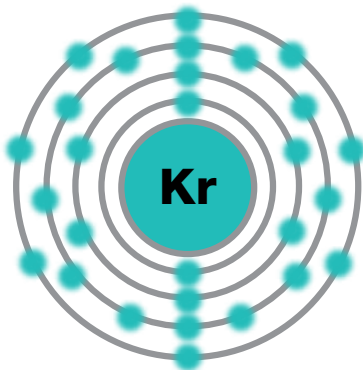
- 1** Low pressure lamp, no shielding is required.
- 2** This lamp is UV protected. This lamp emits less heat and no UV rays, making it safe for lighting sensitive items such as fabrics and artwork.
- 3** This lamp is manufactured in Japan.
- 4** This lamp is designed to operate at a voltage other than 120V. To ensure proper operation of the lamp, use the appropriate fixtures for the designated lamp voltage.

What are Krypton & Xenon?

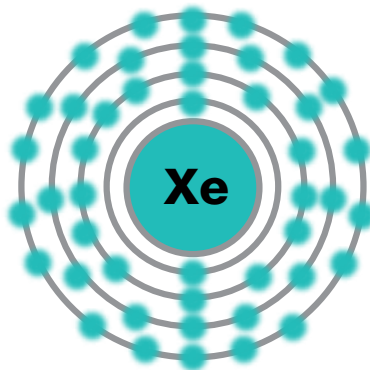
Krypton and Xenon lamps are different than their standard incandescent and halogen counterparts. They contain gases that increase the life and light output of the lamps. An important distinction between krypton and xenon lamps is the composition of the gas itself. Krypton and xenon are both noble gases within Group 18 of the periodic table. As you can see in the diagram below, Krypton has an atomic weight of 36 and Xenon has an atomic weight of 54. Incandescent lamps are usually filled with argon gas which has a much lighter atomic weight of 18.

Compared to standard incandescents, the heavier atomic weight of Krypton and Xenon gases gives KX-2000®, Krystal Touch® and X2000™ lamps the advantage of longer life. These gases have an improved ability to capture evaporated tungsten (from the burning of the filament) to be re-deposited onto the filament. Krypton and Xenon lamps have a life about 3 times longer than standard incandescent and Xenon lamps last up to 10 times longer.

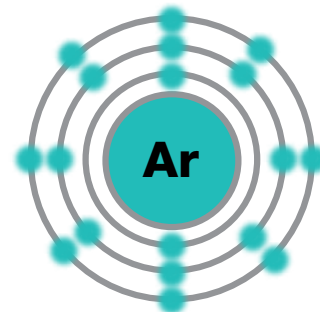
Krypton and Xenon lamps also tend to produce brighter, whiter light than standard incandescents. Also, Xenon is a lower pressure gas than both Krypton and Halogen, which allows Xenon lamps to be used in unshielded fixtures.



KRYPTON, 36



XENON, 54



ARGON, 18

All data in this catalog is subject to change without notice. See Bulbrite.com for most current product specifications.





Energy Wiser® Coils

Candelabra Base (E12)

- T2s are ideal for compact spaces
- Ideal for general purpose lighting commonly used in residential and commercial applications



CFL = Incandescent
 5W = 25W
 13W = 60W



5 WATT
 CF5WW/LM/E12



13 WATT
 CF13WW/LM/E12

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Color Temp.	CRI	Lumens	Average Rated Life	M.O.L.	M.O.D.	Notes pg. 125
5	T2 COIL	E12	509006	CF5WW/LM/E12	120	12 / 24	2700K	80	300	10,000	3.5"	2"	1,2,4,6
13	T2 COIL	E12	509011	CF13WW/LM/E12	120	12 / 24	2700K	80	880	10,000	3.875"	2"	1,2,4,6

Energy Wiser® Coils

Medium Base (E26),
Twist & Lock Base (GU24)



- Low Mercury (LM) T2s contain 50% less mercury than standard CFLs
- T2s are ideal for compact spaces
- Twist & Lock GU24 base fits standardized line voltage socket promoted by Energy Star
- Ideal for general purpose lighting commonly used in residential and commercial applications

CFL = Incandescent
 5W = 25W
 9W = 40W
 13W = 60W
 18W = 75W
 23W = 100W



LOW MERCURY MEDIUM BASE (E26) 5 Watt

CF5WW/LM

LOW MERCURY MEDIUM BASE (E26) 9 Watt

CF9WW/LM

LOW MERCURY MEDIUM BASE (E26) 13 Watt

CF13WW/LM
CF13SD/LM

LOW MERCURY MEDIUM BASE (E26) 18 Watt

CF18WW/LM
CF18SD/LM

LOW MERCURY MEDIUM BASE (E26) 23 Watt

CF23WW/LM
CF23SD/LM



MEDIUM BASE (E26) 13 Watt 4-Pack

CF13WW/T3/4PK

CF13CW/LM/4PK

TWIST & LOCK (GU24) 13 Watt

CF13WW/GU24/E

TWIST & LOCK (GU24) 18 Watt

CF18WW/GU24/E

TWIST & LOCK (GU24) 23 Watt

CF23WW/GU24/E

OMNI-DIRECTIONAL

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner / Master	Color Temp.	CRI	Lumens	Average Rated Life	M.O.L.	M.O.D.	Notes pg. 125
5	T2 COIL	E26	509206	CF5WW/LM	120	12 / 24	2700K	80	300	10,000	3.5"	1.75"	1,2,4
9	T2 COIL	E26	509009	CF9WW/LM	120	12 / 24	2700K	80	550	10,000	3.5"	1.875"	1,2,3,4
13	T3 COIL	E26	509416	CF13WW/T3/4PK	120	4 (4-PK) / 24 (4-PK)	2700K	80	900	10,000	4.5"	1.75"	1,2,4,6
	T2 COIL	E26	509512	CF13CW/LM/4PK	120	4 (4-PK) / 24 (4-PK)	4100K	80	880	10,000	3.875"	2"	1,2,4,6
			509014	CF13WW/LM	120	12 / 24	2700K	80	880	10,000	4"	1.875"	1,2,4,6
			509114	CF13SD/LM	120	12 / 24	5000K	80	860	10,000	3.75"	1.625"	1,2,4,6
		GU24	509703	CF13WW/GU24/E	120	12 / 24	2700K	80	880	10,000	3.75"	1.75"	1,2,4,6
18	T2 COIL	E26	509019	CF18WW/LM	120	12 / 24	2700K	80	1200	10,000	4.25"	2.125"	1,2,4,6
		E26	509119	CF18SD/LM	120	12 / 24	5000K	80	1200	10,000	4.25"	2.25"	1,2,4,6
		GU24	509708	CF18WW/GU24/E	120	12 / 24	2700K	80	1200	10,000	4"	2.125"	1,2,4,6
23	T2 COIL	E26	509024	CF23WW/LM	120	12 / 24	2700K	80	1600	10,000	4.5"	2.375"	1,2,4,6
			509124	CF23SD/LM	120	12 / 24	5000K	80	1600	10,000	4.5"	2.5"	1,2,4,6
		GU24	509709	CF23WW/GU24/E	120	12 / 24	2700K	80	1600	10,000	4.5"	2.125"	1,2,4,6

Energy Wiser® Dimmable Coils

Medium Base (E26),
Twist & Lock Base (GU24)

- Continuous smooth dimming down to 10% of lumen output
- IC (Integrated Circuit) technology provides longer life when dimming compared to other CFLs
- Twist & Lock GU24 base fits standardized line voltage socket promoted by Energy Star
- Ideal for residential and commercial applications

CFL = Incandescent
 13W = 60W
 15W = 60W
 18W = 75W
 23W = 100W

Dimmable



MEDIUM BASE (E26)
15 Watt
 CF15C/WW/DM



MEDIUM BASE (E26)
18 Watt
 CF18C/WW/DM



MEDIUM BASE (E26)
23 Watt
 CF23C/WW/DM



TWIST & LOCK (GU24)
13 Watt
 CF13WW/GU24/DM



TWIST & LOCK (GU24)
18 Watt
 CF18WW/GU24/DM



TWIST & LOCK (GU24)
23 Watt
 CF23WW/GU24/DM

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/ Master	Color Temp.	CRI	Lumens	Average Rated Life	M.O.L.	M.O.D.	Notes pg. 125
13	T3 COIL	GU24	509813	CF13WW/GU24/DM	120	1 / 12	2700K	82	810	10,000	4.125"	2"	1,2,4,6,9
15	T3 COIL	E26	514015	CF15C/WW/DM	120	1 / 24	2700K	82	900	10,000	4.75"	2.25"	1,2,4,6,9
18	T3 COIL	GU24	509818	CF18WW/GU24/DM	120	1 / 12	2700K	82	1150	10,000	4.625"	2.125"	1,2,4,6,9
		E26	514018	CF18C/WW/DM	120	1 / 24	2700K	82	1200	10,000	5.25"	2.25"	1,2,4,6,9
23	T3 COIL	GU24	509823	CF23WW/GU24/DM	120	1 / 12	2700K	82	1600	10,000	5.125"	2.125"	1,2,4,6,9
		E26	514023	CF23C/WW/DM	120	1 / 24	2700K	82	1600	10,000	5.875"	2.25"	1,2,4,6,9

Energy Wiser® Coils

High Wattage, 3-Way

- High wattage coils produce high lumen output
- 3-Way coil features 3 varying levels of light
- Ideal for general purpose lighting in both residential and commercial applications



CFL = Incandescent
 32W = 100/120W
 40W = 150W
 55W = 250W
 12/20/60W = 30W/70/100W

OMNI-DIRECTIONAL



32 WATT

CF32T4/WW
CF32C/SD

40 WATT

CF40C/WW
CF40C/SD

55 WATT

CF55C/WW
CF55C/SD

3-WAY

CF23WW/3WAY

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/ Master	Color Temp.	CRI	Lumens	Average Rated Life	M.O.L.	M.O.D.	Notes pg. 125
32	T4 COIL	E26	509533	CF32T4/WW	120	12 / 24	2700K	80	2100	10,000	6.25"	2.5"	1,2,4
			509633	CF32C/SD	120	12 / 24	2700K	80	2000	10,000	6.5"	2.75"	1,2,4,6
40	T4 COIL	E26	509540	CF40C/WW	120	12 / 24	2700K	82	2600	10,000	6.9"	2.7"	1,2,3,4,6
			509640	CF40C/SD	120	12 / 24	2700K	80	2600	10,000	6.875"	2.75"	1,2,4,6
55	T5 COIL	E26	509555	CF55C/WW	120	12 / 24	2700K	82	3600	10,000	9.5"	3.25"	1,2,4,6
			509655	CF55C/SD	120	6 / 12	2700K	82	3450	10,000	9.5"	3.25"	1,2,4,6
12/20/26	T4 COIL	E26	515027	CF26WW/3WAY	120	6 / 24	2700K	82	700 / 1200 / 1600	10,000	6.5"	2.75"	1,2,3,4,6

Energy Wiser® A-Shape

Medium Base (E26),
Twist & Lock Base (GU24)



- Up to 75% energy savings compared to incandescents
- Yellow bug light emits a yellow light that is not visible to bugs and insects
- Ideal for general residential applications

CFL = Incandescent
 9W = 40W
 14W = 60W
 15W = 60W



<p>MEDIUM BASE (E26) A17 CF9A/WW</p>	<p>MEDIUM BASE (E26) A19 CF14A19/WW</p>	<p>MEDIUM BASE (E26) A19 YELLOW BUG CF14A19/YB</p>	<p>TWIST & LOCK (GU24) A21 CF15A/GU24</p>
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Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Color Temp.	CRI	Lumens	Average Rated Life	M.O.L.	M.O.D.	Notes pg. 125
9	A17	E26	512010	CF9A/WW	120	1 / 12	2700K	82	500	10,000	4"	2.2"	1,2,3,4
14	A19	E26	512013	CF14A19/WW	120	12 / 24	2700K	80	800	10,000	4.75"	2.375"	1,2,4,6
			512517	CF14A19/YB	120	1 / 12	-	-	-	10,000	4.75"	2.375"	1,2,4
15	A21	GU24	509715	CF15A/GU24	120	12 / 24	2700K	80	800	10,000	4.625"	2.625"	1,2,4,6

Energy Wiser® Chandelier, Globe

B10, G25, G30

- Direct replacement for incandescent chandeliers and globes
- Ideal for residential and commercial applications



CFL = Incandescent
 5W = 25W
 7W = 40W
 14W = 60W
 15W = 60W
 19W = 75W



CANDELABRA BASE (E12)
B10
 CF5/CTF
 CF7/CTF

MEDIUM BASE (E26)
B10
 CF7/ETF



MEDIUM BASE (E26)
G25
 CF14G25WW/E
 CF14G25CW/E

TWIST & LOCK (GU24)
G25
 CF15G25/GU24

MEDIUM BASE (E26)
G30
 CF19G30WW/E

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/ Master	Color Temp.	CRI	Lumens	Average Rated Life	M.O.L.	M.O.D.	Notes pg. 125
5	B10	E12	513006	CF5/CTF	120	12 / 24	2700K	80	200	10,000	4.125"	1.5"	1,2,4,6
7	B10	E12	513008	CF7/CTF	120	12 / 24	2700K	80	310	10,000	4.625"	1.5"	1,2,4,6
		E26	513108	CF7/ETF	120	12 / 24	2700K	80	310	10,000	4.5"	1.5"	1,2,4,6
14	G25	E26	505013	CF14G25WW/E	120	12 / 24	2700K	80	800	10,000	4.375"	3.125"	1,2,3,4,6
			505113	CF14G25CW/E	120	12 / 24	2700K	80	800	10,000	4.25"	3.125"	1,2,3,4,6
15	G25	GU24	509735	CF15G25/GU24	120	12 / 24	2700K	80	740	10,000	4.75"	3.25"	1,2,4,6
19	G30	E26	505018	CF19G30WW/E	120	12 / 24	2700K	80	1200	10,000	5"	3.75"	1,2,4,6

Compact Fluorescent

OMNI-DIRECTIONAL

Energy Wiser® Reflectors

R20, BR30, BR38, BR40

- Direct replacement for incandescent reflectors
- Ideal for residential and commercial applications



CFL = Incandescent
 11W = 30W
 15W = 60W
 16W = 65W
 23W = 120/150W



R20	BR30	BR38	BR40	TWIST & LOCK (GU24) BASE BR30
CF11R20WW/E CF11R20CW/E CE11R20SD/E	CF16R30WW/E CF16R30CW/E CF16R30SD/E	CF23BR38DL	CF23R40WW/E CF23R40CW/E CF23R40SD/E	CF15R30/GU24


DIRECTIONAL

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Color Temp.	CRI	Lumens	Average Rated Life	M.O.L.	M.O.D.	Notes pg. 125
11	R20	E26	511213	CF11R20WW/E	120	12 / 24	2700K	80	400	10,000	4.125"	1.5"	1,2,3,4,6
			511216	CF11R20CW/E	120	1 / 12	4100K	80	400	10,000	4.125"	2.5"	1,2,4,6
			511217	CF11R20SD/E	120	1 / 12	5000K	80	400	10,000	4.125"	2.5"	1,2,4,6
15	R30	GU24	509725	CF15R30/GU24	120	12 / 24	2700K	80	690	10,000	4.75"	3.75"	1,2,4,6
16	R30	E26	511414	CF16R30WW/E	120	6 / 12	2700K	80	750	10,000	5.625"	3.75"	1,2,3,4,6
			511619	CF16R30CW/E	120	6 / 12	4100K	80	750	10,000	5.75"	3.75"	1,2,4,6
			511614	CF16R30SD/E	120	6 / 12	5000K	80	750	10,000	5.625"	3.75"	1,2,4,6
23	BR38	E26	511623	CF23BR38DL	120	6 / 12	6500K	82	1100	8000	6.3"	4.75"	D,1,2,4,6
	R40	E26	511524	CF23R40WW/E	120	6 / 12	2700K	80	1200	10,000	6.25"	4.75"	1,2,4,6
			511627	CF23R40CW/E	120	6 / 12	4100K	80	1200	10,000	6.25"	4.75"	1,2,4,6
			511628	CF23R40SD/E	120	6 / 12	5000K	80	1200	10,000	6.25"	4.75"	1,2,4,6


Energy Wiser® Dimmable Reflectors

BR30, BR40

- Smooth dimming down to 20% lumen output
- IC (Integrated Circuit) technology provides longer life when dimming compared to other CFLs
- Ideal for general residential and commercial applications



CFL = Incandescent
 15W = 65W
 23W = 100W



Dimmable



BR30
CF15R30WW/DM



BR40
CF23R40WW/DM

Compact Fluorescent

DIRECTIONAL

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Color Temp.	CRI	Lumens	Average Rated Life	M.O.L.	M.O.D.	Notes pg. 125
15	R30	E26	514215	CF15R30WW/DM	120	1 / 12	2700K	82	680	8000	6.125"	3.75"	1,2,4,6,9
23	R40	E26	514223	CF23R40WW/DM	120	1 / 12	2700K	82	1050	8000	7"	5"	1,2,4,6,9

Energy Wiser® PARs

PAR20, PAR30, PAR38

- Aluminum reflector allows for better light output
- Direct replacement for halogen PARs
- Ideal for residential and commercial use in recessed cans, track and outdoor lighting



CFL = Halogen
 9W = 35W
 15W = 50W
 23W = 90W



PAR20
 CF9PAR20WW
 CF9PAR20SD

PAR30 LONG NECK
 CF15PAR30WW
 CF15PAR30SD

PAR38
 CF23PAR38WW
 CF23PAR38SD

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/Master	Color Temp.	CRI	Lumens	Average Rated Life	M.O.L.	M.O.D.	Notes pg. 125
9	PAR20	E26	514209	CF9PAR20WW	120	12 / 24	3000K	82	310	8000	3.63"	2.5"	1,2,4
			514219	CF9PAR20SD	120	6 / 12	5000K	82	310	8000	3.63"	2.5"	1,2,4
14	PAR20LN	E26	514305	CF15PAR30WW	120	6 / 12	3000K	82	630	8000	4.56"	3.75"	1,2,4
			514315	CF15PAR30SD	120	6 / 12	5000K	82	630	8000	4.56"	3.75"	1,2,4
23	PAR38	E26	514503	CF23PAR38WW	120	6 / 12	3000K	82	1050	8000	5.25"	4.75"	1,2,4
			514513	CF23PAR38SD	120	6 / 12	5000K	82	1050	8000	5.25"	4.75"	1,2,4

Energy Wiser® Specialty

T5 Quad, Circline

- T5 Quad provides high lumen output and excellent lumen maintenance
- Circline 3-Way includes lamp & electronic 3-Way adapter
- Ideal for general purpose lighting commonly used for residential and commercial applications



CFL = Incandescent
27W = 120W

Compact Fluorescent



T5 QUAD

FML-27



CIRCLINE

FCL30/3WAY

DIRECTIONAL

Watts	Bulb Type	Base	Item #	Ordering Code	Volts	Inner/ Master	Color Temp.	CRI	Lumens	Average Rated Life	M.O.L.	M.O.D.	Notes pg. 125
27	T5 QUAD	GX10Q-4	524625	FML-27	-	10 / 50	6500K	82	1400	8000	5.9"	-	1.2
10/20/30	T9	E26	515530	FCL30/3WAY	120	1 / 12	2700K	82	590/1500/2100	10,000	3.63"	9"	1

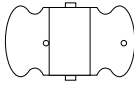
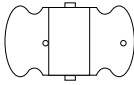
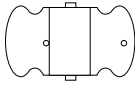
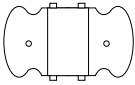
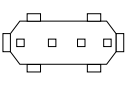
Energy Wiser® Pin Base Twin Tube



- 2-pin lamps are for use with magnetic ballasts
- 4-pin lamps are for use with dimmable electronic ballasts
- Ideal for commercial applications, most commonly used in recessed cans, portables, ceiling fixtures and wall sconces



PLUG-IN

<p>5 WATT</p> <p>CF5S827 CF5S841</p>  <p>G-23</p>	<p>7 WATT</p> <p>CF7S827 CF7S841</p>  <p>G-23</p>	<p>9 WATT</p> <p>CF9S827 CF9S835 CF9S841</p>  <p>G-23</p>	<p>13 WATT</p> <p>CF13S827 CF13S850 CF13S835 CF13S865 CF13S841</p>  <p>GX23</p>	<p>13 WATT 4-PIN</p> <p>CF13S827/E CF13S835/E CF13S841/E</p>  <p>2GX7</p>
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Watts	Bulb Type	Base	Item #	Ordering Code	Inner / Master	Color Temp.	CRI	Lumens	Average Rated Life	M.O.L.	Notes pg. 125
5	T4	G23	524005	CF5S827	10 / 50	2700K	82	3300	30,000	4.25"	1,2,5,6,7
			524025	CF5S841	10 / 50	4100K	82	3600	24,000	4.25"	1,2,5,6,7
7	T4	G23	524007	CF7S827	10 / 50	2700K	82	3050	24,000	5.25"	1,2,5,6,7
			524027	CF7S841	10 / 50	4100K	82	3600	24,000	5.25"	1,2,5,6,7
9	T4	G23	524009	CF9S827	10 / 50	2700K	82	3300	30,000	6.5"	1,2,5,6,7
			524019	CF9S835	10 / 50	3500K	82	3200	30,000	6.5"	1,2,5,6,7
			524029	CF9S841	10 / 50	4100K	82	3300	24,000	6.5"	1,2,5,6,7
13	T4	GX23	524013	CF13S827	10 / 50	2700K	82	2950	24,000	7.125"	1,2,5,6,7
			524023	CF13S835	10 / 50	3500K	82	2950	24,000	7.125"	1,2,5,6,7
			524033	CF13S841	10 / 50	4100K	82	3500	24,000	7.125"	1,2,5,6,7
			524043	CF13S850	10 / 50	5000K	82	3500	24,000	7.125"	1,2,5,6,7
			524053	CF13S865	10 / 50	6500K	82	3500	24,000	7.125"	1,2,5,6,7
		2GX7	524413	CF13S827/E	10 / 50	2700K	82	4800	20,000	6.25"	1,2,5,6,7
			524423	CF13S835/E	10 / 50	3500K	82	4800	20,000	6.25"	1,2,5,6,7
			524433	CF13S841/E	10 / 50	4100K	82	4800	20,000	6.25"	1,2,5,6,7

Energy Wiser® Pin Base Quad 2-Pin

- Quad 2-pin lamps are for use with magnetic ballasts
- Ideal for commercial applications, most commonly used in recessed cans, portables, ceiling fixtures and wall sconces



PICTURE NOT AVAILABLE

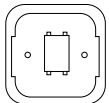
PICTURE NOT AVAILABLE

Compact Fluorescent

PLUG-IN

13 WATT

CF13D827
CF13D830
CF13D835
CF13D841

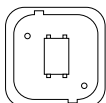


GX23-2

18 WATT

CF18D827
CF18D830
CF18D835
CF18D841

CF18DD/830
(Not Pictured)

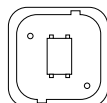


G24d-2

26 WATT

CF26D827
CF26D830
CF26D835
CF26D841

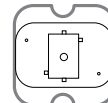
CF26DD/830
(Not Pictured)



G24d-3

20 WATT

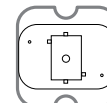
PLC22W/827



GX32d-2

27 WATT

PLC28W/827



GX32d-3

Watts	Bulb Type	Base	Item #	Ordering Code	Inner / Master	Color Temp.	CRI	Lumens	Average Rated Life	M.O.L.	Notes pg. 125
13	T4	GX23-2	524113	CF13D827	10 / 50	2700K	82	4500	24,000	4.625"	1,2,5,6,7
			524123	CF13D830	10 / 50	3000K	82	820	12,000	4.625"	1,2,5,6,7
			524133	CF13D835	10 / 50	3500K	82	2725	25,000	4.625"	1,2,5,6,7
			524143	CF13D841	10 / 50	4100K	82	2850	25,000	4.625"	1,2,5,6,7
18	T4	G24D-2	524118	CF18D827	10 / 50	2700K	82	4500	24,000	6"	1,2,5,6,7
			524128	CF18D830	10 / 50	3000K	82	2725	25,000	6"	1,2,5,6,7
			524138	CF18D835	10 / 50	3500K	75	2750	25,000	6"	1,2,5,6,7
			524148	CF18D841	10 / 50	4100K	82	2850	25,000	6"	1,2,5,6,7
			504318	CF18DD/830	10 / 50	3000K	82	1150	10,000	6"	M,D
20	T4	GX32D-2	524622	PLC22W/827	1 / 40	2700K	82	1200	10,000	6"	M
26	T4	G24D-3	524126	CF26D827	10 / 50	2700K	82	4450	24,000	6.75"	1,2,5,6,7
			524136	CF26D830	10 / 50	3000K	75	2750	25,000	6.75"	1,2,5,6,7
			524146	CF26D835	10 / 50	3500K	82	2850	25,000	6.75"	1,2,5,6,7
			524156	CF26D841	10 / 50	4100K	82	3350	16,000	6.75"	1,2,5,6,7
			504326	CF26DD/830	10 / 50	3000K	82	1710	10,000	6.8"	M,D
27	T4	GX32D-2	524628	PLC28W/827	1 / 40	2700K	82	1600	10,000	6.75"	M

Energy Wiser® Pin Base

Quad 4-Pin

- Quad 4-pin lamps are for use with dimmable electronic ballasts
- Ideal for commercial applications, most commonly used in recessed cans, portables, ceiling fixtures and wall sconces

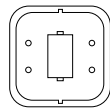


PLUG-IN

13 WATT

CF13D827/E
CF13D830/E
CF13D835/E
CF13D841/E

CF13DD/E/827
(Not Pictured)

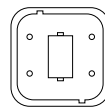


G24q-1

18 WATT

CF18D827/E
CF18D830/E
CF18D835/E
CF18D841/E

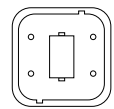
CF18DD/E/830
(Not Pictured)



G24q-2

26 WATT

CF26D827/E
CF26D830/E
CF26D835/E
CF26D841/E
CF26D865/E



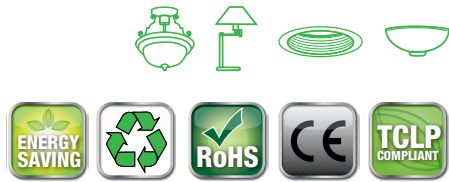
G24q-3

Watts	Bulb Type	Base	Item #	Ordering Code	Inner / Master	Color Temp.	CRI	Lumens	Average Rated Life	M.O.L.	Notes pg. 125
13	T4	G24Q-1	524213	CF13D827/E	10 / 50	2700K	82	3350	16,000	5.25"	1,2,5,6,7
			524223	CF13D830/E	10 / 50	3000K	61	2100	16,000	5.25"	1,2,5,6,7
			524233	CF13D835/E	10 / 50	3500K	61	1150	12,000	5.25"	1,2,5,6,7
			524243	CF13D841/E	10 / 50	4100K	82	1900	16,000	5.25"	1,2,5,6,7
			504713	CF13DD/E/827	10 / 50	2700K	82	900	12,000	5.2"	M,D
18	T4	G24Q-2	524218	CF18D827/E	10 / 50	2700K	82	3350	16,000	5.75"	1,2,5,6,7
			524228	CF18D830/E	10 / 50	3000K	61	810	12,000	5.75"	1,2,5,6,7
			524238	CF18D835/E	10 / 50	3500K	82	1900	16,000	5.75"	1,2,5,6,7
			524248	CF18D841/E	10 / 50	4100K	82	1800	12,000	5.75"	1,2,5,6,7
			504720	CF18DD/E/830	10 / 50	3000K	82	1150	12,000	5.8"	M,D
26	T4	G24Q-3	524226	CF26D827/E	10 / 50	2700K	61	2900	12,000	6.5"	1,2,5,6,7
			524236	CF26D830/E	10 / 50	3000K	61	1150	12,000	6.5"	1,2,5,6,7
			524246	CF26D835/E	10 / 50	3500K	82	1900	16,000	6.5"	1,2,5,6,7
			524256	CF26D841/E	10 / 50	4100K	82	1250	16,000	6.5"	1,2,5,6,7
			524266	CF26D865/E	10 / 50	6500K	82	1250	16,000	6.5"	1,2,5,6,7

Energy Wiser® Pin Base

Triple 4-Pin

- Triple 4-pin lamps are for use with dimmable electronic ballasts
- Ideal for commercial applications, most commonly used in recessed cans, ceiling fixtures and wall sconces



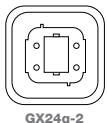
Compact Fluorescent



PLUG-IN

18 WATT

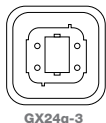
CF18T830/E
CF18T835/E



26 WATT

CF26T830/E
CF26T835/E
CF26T841/E

CF26DT/E/830
(Not Pictured)



32 WATT

CF32T830/E
CF32T835/E
CF32T841/E



42 WATT

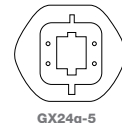
CF42T830/E
CF42T835/E
CF42T841/E

CF42DT/E/830
(Not Pictured)



57 WATT

CF57T830/E



Watts	Bulb Type	Base	Item #	Ordering Code	Inner / Master	Color Temp.	CRI	Lumens	Average Rated Life	M.O.L.	Notes pg. 125
18	T4	G2X4Q-2	524318	CF18T830/E	10 / 50	3000K	82	1250	16,000	4.375"	1,2,5,6,7
			524328	CF18T835/E	10 / 50	3500K	82	1800	16,000	4.375"	1,2,5,6,7
26	T4	G2X4Q-3	524326	CF26T830/E	10 / 50	3000K	82	1800	16,000	5"	1,2,5,6,7,8
			524336	CF26T835/E	10 / 50	3500K	82	2800	16,000	5"	1,2,5,6,7,8
			524346	CF26T841/E	10 / 50	4100K	82	3500	20,000	5"	1,2,5,6,7,8
			504826	CF26DT/E/830	10 / 50	3000K	82	1800	12,000	5"	M,D
32	T4	G2X4Q-3	524332	CF32T830/E	10 / 50	3000K	82	1800	16,000	5.625"	1,2,5,6,7,8
			524342	CF32T835/E	10 / 50	3500K	82	2800	16,000	5.625"	1,2,5,6,7,8
			524352	CF32T841/E	10 / 50	4100K	82	3500	20,000	5.625"	1,2,5,6,7,8
42	T4	G2X4Q-4	524344	CF42T830/E	10 / 50	3000K	82	2800	16,000	6.5"	1,2,5,6,7,8
			524354	CF42T835/E	10 / 50	3500K	82	3500	20,000	6.5"	1,2,5,6,7,8
			524364	CF42T841/E	10 / 50	4100K	82	3500	20,000	6.5"	1,2,5,6,7,8
			504842	CF42DT/E/830	10 / 50	3000K	82	3200	12,000	6.5"	M,D
57	T4	G2X4Q-5	524357	CF57T830/E	10 / 50	3000K	82	4250	12,000	7.7"	D,1,2,5,6,7,8

Energy Wiser® Pin Base High Lumen Long Twin - FT



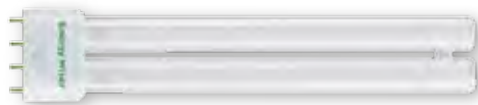
Dimmable



- RS = Rapid Start
- All High Lumen Long Twin 4-Pin lamps are for use with dimmable electronic ballasts
- Ideal for commercial applications, most commonly used in recessed cans, ceiling fixtures and wall sconces

18 WATT

FT18/830
FT18/835
FT18/841



2G11

24 WATT

FT24/830
FT24/835
FT24/841



36 WATT

FT36/830
FT36/835
FT36/841



40 WATT

FT40/830RS
FT40/835RS
FT40/841RS
FT40/850RS



55 WATT

FT55/830
FT55/835
FT55/841



Watts	Bulb Type	Base	Item #	Ordering Code	Inner / Master	Color Temp.	CRI	Lumens	Average Rated Life	M.O.L.	Notes pg. 125
18	T5	2G11	504512	FT18/830	10 / 40	3000K	82	900	12,000	9"	1,2,6,7
			504513	FT18/835	10 / 40	3500K	82	780	12,000	9"	1,2,6,7
			504514	FT18/841	10 / 40	4100K	82	900	12,000	9"	1,2,6,7
24	T5	2G11	504525	FT24/830	10 / 40	3000K	82	800	12,000	12.625"	1,2,6,7
			504526	FT24/835	10 / 40	3500K	82	1250	12,000	12.625"	1,2,6,7
			504527	FT24/841	10 / 40	4100K	82	1150	12,000	12.625"	1,2,6,7
36	T5	2G11	504537	FT36/830	10 / 40	3000K	82	1710	12,000	16.375"	1,2,6,7
			504538	FT36/835	10 / 40	3500K	82	1710	12,000	16.375"	1,2,6,7
			504539	FT36/841	10 / 40	4100K	82	1800	12,000	16.375"	1,2,6,7
40	T5	2G11	504545	FT40/830RS	10 / 40	3000K	82	1350	24,000	22.625"	1,2,6,7,10
			504546	FT40/835RS	10 / 40	3500K	82	1350	24,000	22.625"	1,2,6,7,10
			504547	FT40/841RS	10 / 40	4100K	82	1350	24,000	22.625"	1,2,6,7,10
			504548	FT40/850RS	10 / 40	5000K	82	1300	24,000	22.625"	1,2,6,7,10
55	T5	2G11	504550	FT55/830	10 / 40	3000K	82	2900	24,000	21.25"	1,2,6,7
			504551	FT55/835	10 / 40	3500K	82	2900	24,000	21.25"	1,2,6,7
			504552	FT55/841	10 / 40	4100K	82	2700	24,000	21.25"	1,2,6,7

Compact Fluorescent Footnotes

M	Major Brand
D	Discontinued Item - Limited Quantity Available

- 1** Compact fluorescent lamps contain mercury. For more information on clean up and safe disposal of compact fluorescent lamps, visit www.epa.gov/cfl.
- 2** Minimum starting temperature: 0°F for most CFLs; -10°F for PAR lamps; 5°F for pin base CFLs.
- 3** This lamp is ENERGY STAR certified. ENERGY STAR is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy promoting money savings and the protection of the environment through the use of energy efficient products and practices. For the most up to date standards, visit www.energystar.gov.
- 4** This lamp is UL approved. UL approved lamps are certified against UL standard 1933. For details on UL test standards, visit www.ul.com.
- 5** This lamp is TCLP Compliant. TCLP stands for the Toxicity Characteristic Leaching Procedure which classifies waste as hazardous or non-hazardous in most states for the purpose of disposal.
- 6** This lamp is RoHS Compliant. RoHS is the restriction on the use of certain hazardous substances in electrical and electronic equipment. RoHS restricts the use of mercury, lead, hexavalent chromium, cadmium and a range of flame retardants notably polybrominated biphenyls and polybrominated diphenyl ethers. There are a number of exemptions for the use of the hazardous substances for specific technical uses where alternatives do not presently exist. There are also permissible maximum concentration values which allow for any trace presence.
- 7** CE approval indicates that this product is compliant with EU legislation and enables free movement of this product within the European market. This mark certifies that the product complies with all relevant essential requirements in regard to safety, health and environmental protection requirements.
- 8** Amalgam lamps suitable for high heat applications. Amalgam technology helps dissipate heat in high temperature applications allowing for a wide operating temperature range and stabilize light output in any burn position and. Low mercury content - less than 1mg of mercury per lamp.
- 9** This lamp may not be compatible with all dimmer models, occupancy sensors or control systems (photocells). The quantity of lamps used on any one dimmer may affect lamp performance. For more details on compatibility contact Bulbrite at: (800) 528 - 5555 or refer to www.Bulbrite.com. Do not use dimming as a method for turning off the lamp. Dimming may adversely affect lamp life.
- 10** This lamp may be operated on a rapid start ballast. When operated on a rapid start ballast this lamp operates at xxW; design wattage is 40W.

IMPORTANT NOTE:

The National Electrical Manufacturers Association (NEMA) published a white paper report identifying an "end-of-life" phenomenon affecting small diameter (T5, T4, T2) compact fluorescent pin-based lamps. When operated on high frequency electronic ballasts, these lamps may experience: (1) bulb wall cracking near the base of the lamp and/or (2) overheating in the lamp base area and possibly melting the base and/or socket. NEMA recommends that if high frequency electronic ballasts are used, the ballast should be equipped with an end-of-life protection circuit that will safely and reliably shut down the system in the rare event of an end-of-life failure as described above. For additional information, please refer to www.nema.org.

All CFLs are for indoor use only. Outdoor use requires a weather-protected fixture.

Self-ballasted compact fluorescent lamps must only be operated on 120V, 60Hz circuits. Lamps operated at a higher voltage or within a recessed or enclosed fixture will experience reduced lamp life.

CFL 2-YEAR LIMITED WARRANTY:

This lamp, when delivered in new condition and in its original package, is warranted for 2 years from the date of purchase (or manufactured date if invoice date is not known or available) against defects in materials and workmanship (based on an average household use of 3 hours per day). BULBRITE's standard warranty terms and conditions shall apply. See page 171 for details.

All data in this catalog is subject to change without notice. See Bulbrite.com for most current product specifications.

Do Your Part....

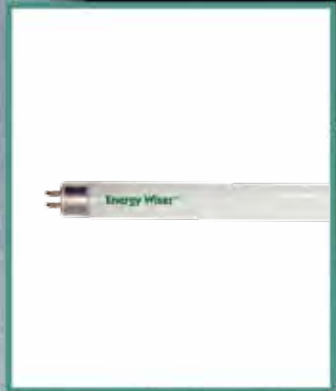
Join Bulbrite to save the environment.

Recycling Program
Become an Authorized
Recycling Center.



CALL
800-528-5555





Energy Wiser® Miniature

T5, T8

- Available in warm white and cool white as well as a wide variety of sizes
- Pre-heat lamps (starter required)
- Ideal for commercial/industrial applications and signage/displays



F6 9" F6T5WW	F8 12" F8T5WW F8T5CW	F13 21" F13T5WW F13T5CW	F15 18" F15T8WW F15T8CW
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Watts	Bulb Type	Base	Item #	Ordering Code	Inner/Master	Color Temp.	CRI	Initial Lumens	Mean Lumens	Average Rated Life	M.O.L.	Notes pg. 137
6	T5	Mini Bi-Pin	501106	F6T5CW	25 / 200	4100K	50	240	230	5000	9"	1,4
			501008	F8T5WW	25 / 200	3000K	50	380	360	5000	12"	1,5
			501108	F8T5CW	25 / 200	4100K	50	350	335	5000	12"	1,5
13	T5	Mini Bi-Pin	501013	F13T5WW	25 / 200	3000K	50	800	760	5000	21"	1,5
			501113	F13T5CW	25 / 200	4100K	50	750	705	5000	21"	1,5
15	T5	Mini Bi-Pin	501015	F15T8WW	25 / 200	3000K	60	630	600	15,000	18"	1,5
			501115	F15T8CW	25 / 200	4100K	60	610	580	15,000	18"	1,5

Energy Wiser® Subminiature T2



- Available in a wide variety of sizes
- 7 mm diameter for maximum space saving
- Ideal for under cabinets, display cases and other small areas



FM6 8.6"

FM6T2/830
FM6T2/835
FM6T2/841



FM8 12.6"

FM8T2/830
FM8T2/835
FM8T2/841



FM11 16.6"

FM11T2/830
FM11T2/835
FM11T2/841



FM13 20.6"

FM13T2/830
FM13T2/835
FM13T2/841

Watts	Bulb Type	Base	Item #	Ordering Code	Inner/Master	Color Temp.	CRI	Initial Lumens	Mean Lumens	Average Rated Life	M.O.L.	Notes pg. 137
6	T2	AXIAL	517260	FM6T2/830	20 / 60	3000K	80	330	297	10,000	8.6"	1,2,3,4
			517261	FM6T2/835	20 / 60	3500K	80	330	297	10,000	8.6"	1,2,3,4
			517262	FM6T2/841	20 / 60	4100K	80	330	297	10,000	8.6"	1,2,3,4
8	T2	AXIAL	517280	FM8T2/830	20 / 60	3000K	80	540	486	10,000	12.6"	1,2,3,4
			517281	FM8T2/835	20 / 60	3500K	80	540	486	10,000	12.6"	1,2,3,4
			517282	FM8T2/841	20 / 60	4100K	80	540	486	10,000	12.6"	1,2,3,4
11	T2	AXIAL	517210	FM11T2/830	20 / 60	3000K	80	750	675	10,000	16.6"	1,2,3,4
			517211	FM11T2/835	20 / 60	3500K	80	750	675	10,000	16.6"	1,2,3,4
			517212	FM11T2/841	20 / 60	4100K	80	750	675	10,000	16.6"	1,2,3,4
13	T2	AXIAL	517230	FM13T2/830	20 / 60	3000K	80	930	837	10,000	20.6"	1,2,3,4
			517231	FM13T2/835	20 / 60	3500K	80	930	837	10,000	20.6"	1,2,3,4
			517232	FM13T2/841	20 / 60	4100K	80	930	837	10,000	20.6"	1,2,3,4

Energy Wiser®

T4

- Available in a wide variety of sizes
- Ideal for commercial/industrial application and signage/displays



LINEAR

F6 9.8"	F8 13"	F12 17"	F16 18.75"	F20 20.5"	F24 33.9"
F6T4	F8T4/30K F8T4/41K F8T4/64K	F12T4/30K F12T4/41K F12T4/64K	F16T4/30K F16T4/41K F16T4/64K	F20T4/30K F20T4/41K F20T4/64K	F24T4/30K F24T4/41K F24T4/64K

Watts	Bulb Type	Base	Item #	Ordering Code	Inner/Master	Color Temp.	CRI	Initial Lumens	Mean Lumens	Average Rated Life	M.O.L.	Notes pg. 137
6	T4	Bi-Pin	585106	F6T4/41K	10 / 20	4100K	80	265	250	10,000	9.75"	1,4
8	T4	Bi-Pin	585008	F8T4/30K	10 / 20	3000K	80	390	360	10,000	13"	1,4
			585108	F8T4/41K	10 / 20	4100K	80	380	360	10,000	13"	1,4
			585208	F8T4/64K	10 / 20	6400K	80	370	360	10,000	13"	1,4
12	T4	Bi-Pin	585012	F12T4/30K	10 / 20	3000K	80	590	540	10,000	17"	1,4
			585112	F12T4/41K	10 / 20	4100K	80	570	540	10,000	17"	1,4
			585212	F12T4/64K	10 / 20	6400K	80	500	540	10,000	17"	1,4
16	T4	Bi-Pin	585016	F16T4/30K	10 / 20	3000K	80	1040	950	10,000	18.75"	1,4
			585116	F16T4/41K	10 / 20	4100K	80	1000	950	10,000	18.75"	1,4
			585216	F16T4/64K	10 / 20	6400K	80	960	950	10,000	18.75"	1,4
20	T4	Bi-Pin	585020	F20T4/30K	10 / 20	3000K	80	1300	1215	10,000	20.5"	1,4
			585120	F20T4/41K	10 / 20	4100K	80	1280	1215	10,000	20.5"	1,4
			585220	F20T4/64K	10 / 20	6400K	80	1260	1215	10,000	20.5"	1,4
24	T4	Bi-Pin	585024	F24T4/30K	10 / 20	3000K	80	1550	1470	10,000	33.875"	1,4
			585124	F24T4/41K	10 / 20	4100K	80	1550	1470	10,000	33.875"	1,4
			585224	F24T4/64K	10 / 20	6400K	80	1500	1470	10,000	33.875"	1,4

Energy Wiser® High Performance T5



- High performance tri-phosphor for maximum brightness and color rendering
- Ideal for commercial and industrial applications



HIGH OUTPUT (HO)

F24 2'
F24T5/835/HO
F24T5/841/HO

F39 3'

F39T5/830/HO
F39T5/835/HO
F39T5/841/HO

F54 4'

F54T5/830/HO
F54T5/835/HO
F54T5/841/HO
F54T5/850/HO

STANDARD

F14 2'
F14T5/830
F14T5/835
F14T5/841
F14T5/865

F21 3'

F21T5/830
F21T5/835
F21T5/841
F21T5/865

F28 4'

F28T5/830
F28T5/835
F28T5/841
F28T5/865

F35 5'

F35T5/830
F35T5/841
F35T5/865

Watts	Bulb Type	Base	Item #	Ordering Code	Inner/Master	Color Temp.	CRI	Initial Lumens	Mean Lumens	Average Rated Life	M.O.L.	Notes pg. 137
14	T5	Mini Bi-Pin	519140	F14T5/830	20 / 40	3000K	82	800	1280	12,000	22.25"	1,2,3,4
			519141	F14T5/835	20 / 40	3500K	82	820	1280	12,000	22.25"	1,2,3,4
			519142	F14T5/841	20 / 40	4100K	82	800	1250	12,000	22.25"	1,2,3,4
			519143	F14T5/865	20 / 40	6500K	82	780	1150	12,000	22.25"	1,2,3,4
21	T5	Mini Bi-Pin	519210	F21T5/830	20 / 40	3000K	82	1800	2000	12,000	34"	1,2,3,4
			519211	F21T5/835	20 / 40	3500K	82	1710	2000	12,000	34"	1,2,3,4
			519212	F21T5/841	20 / 40	4100K	82	1200	1900	12,000	34"	1,2,3,4
			519213	F21T5/865	20 / 40	6500K	82	1150	1800	12,000	34"	1,2,3,4
24	T5	Mini Bi-Pin	519241	F24T5/835/HO	20 / 40	3500K	82	1150	1850	12,000	22.25"	1,2,3,4,7
			519242	F24T5/841/HO	20 / 40	4100K	82	1200	1850	12,000	22.25"	1,2,3,4,7
28	T5	Mini Bi-Pin	519280	F28T5/830	20 / 40	3000K	82	580	2750	12,000	45.75"	Ⓢ,1,2,3,4
			519281	F28T5/835	20 / 40	3500K	82	580	2750	12,000	45.75"	Ⓢ,1,2,3,4
			519282	F28T5/841	20 / 40	4100K	82	3200	2650	12,000	45.75"	Ⓢ,1,2,3,4
			519283	F28T5/865	20 / 40	6500K	82	1800	2450	12,000	45.75"	Ⓢ,1,2,3,4
35	T5	Mini Bi-Pin	519351	F35T5/830	20 / 40	3000K	82	2150	3450	24,000	57.625"	1,2,3,4
			519352	F35T5/841	20 / 40	4100K	82	2900	3450	24,000	57.625"	1,2,3,4
			519353	F35T5/865	20 / 40	6500K	82	2100	3100	24,000	57.625"	1,2,3,4
39	T5	Mini Bi-Pin	519390	F39T5/830/HO	20 / 40	3000K	82	1900	3150	24,000	34"	1,2,3,4,7
			519391	F39T5/835/HO	20 / 40	3500K	82	2000	3150	24,000	34"	1,2,3,4,7
			519392	F39T5/841/HO	20 / 40	4100K	82	2000	3150	24,000	34"	1,2,3,4,7
54	T5	Mini Bi-Pin	519540	F54T5/830/HO	20 / 40	3000K	82	3050	4250	24,000	45.75"	Ⓢ,1,2,3,4,7
			519541	F54T5/835/HO	20 / 40	3500K	82	4650	4400	24,000	45.75"	Ⓢ,1,2,3,4,7
			519542	F54T5/841/HO	20 / 40	4100K	82	4650	4400	24,000	45.75"	Ⓢ,1,2,3,4,7
			519543	F54T5/850/HO	20 / 40	5000K	82	4650	4400	24,000	45.75"	Ⓢ,1,2,3,4,7

Energy Wiser®

T8



- High performance tri-phosphor for maximum brightness and color rendering
- Can be used on both instant and rapid start ballasts
- Reduced wattage F28 and High Lumen F32 CEE qualified
- Reduced wattage 38W T8s produce equal light output while using less energy than standard 32W T8s
- High Lumen T8s are up to 20% more efficient than standard 32W T8s
- Ideal for commercial/industrial application and signage/displays



LINEAR

F17 2' F17T8/830/EW F17T8/835/EW F17T8/841/EW F17T8/850/EW F17T8/865/EW	F25 3' F25T8/830/EW F25T8/835/EW F25T8/841/EW F25T8/850/EW	F32 4' F32T8/730/EW F32T8/735/EW F32T8/750/EW F32T8/830/EW F32T8/835/EW F32T8/841/EW F32T8/850/EW	REDUCED WATTAGE F28 4' F28T8/835/EW	HIGH LUMEN F32 4' F32T8/841/HL
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For LED T8, see Bulbrite's LED catalog.

Watts	Bulb Type	Base	Item #	Ordering Code	Inner/Master	Color Temp.	CRI	Initial Lumens	Mean Lumens	Average Rated Life	M.O.L.	Notes pg. 137
17	T8	Med Bi-Pin	528517	F17T8/830/EW	25 / 25	3000K	82	1400	1350	25,000	23.75"	1,2,3,4
			528617	F17T8/835/EW	25 / 25	3500K	82	1400	1350	25,000	23.75"	1,2,3,4
			528717	F17T8/841/EW	25 / 25	4100K	82	1400	1350	25,000	23.75"	1,2,3,4
			528817	F17T8/850/EW	25 / 25	5000K	82	1300	1350	25,000	23.75"	1,2,3,4
			528917	F17T8/865/EW	25 / 25	6500K	82	1300	1350	25,000	23.75"	1,2,3,4
25	T8	Med Bi-Pin	528525	F25T8/830/EW	25 / 25	3000K	82	2250	2200	25,000	35.75"	1,2,3,4
			528625	F25T8/835/EW	25 / 25	3500K	82	2250	2200	25,000	35.75"	1,2,3,4
			528725	F25T8/841/EW	25 / 25	4100K	82	2250	2200	25,000	35.75"	1,2,3,4
			528825	F25T8/850/EW	25 / 25	5000K	82	2250	2200	25,000	35.75"	1,2,3,4
28	T8	Med Bi-Pin	528128	F28T8/835/EW	25 / 25	3500K	82	2700	2650	25,000	47.75"	Ⓢ,D,1,2,4,5
32	T8	Med Bi-Pin	528032	F32T8/730/EW	25 / 25	3000K	75	2750	2600	24,000	47.78"	Ⓢ,D,1,2,3,4
			528132	F32T8/735/EW	25 / 25	3500K	75	2800	2600	25,000	47.78"	Ⓢ,D,1,2,3,4
			528332	F32T8/750/EW	25 / 25	5000K	75	2750	2600	24,000	47.78"	Ⓢ,D,1,2,3,4
			528532	F32T8/830/EW	25 / 25	3000K	82	3050	2950	25,000	47.75"	Ⓢ,1,2,3,4
			528632	F32T8/835/EW	25 / 25	3500K	82	3050	2950	25,000	47.75"	Ⓢ,1,2,3,4
			528732	F32T8/841/EW	25 / 25	4100K	82	3050	2950	25,000	47.75"	Ⓢ,1,2,3,4
			528832	F32T8/850/EW	25 / 25	5000K	82	2900	2950	25,000	47.75"	Ⓢ,1,2,3,4
			528932	F32T8/865/EW	25 / 25	6500K	82	2900	2950	25,000	47.75"	Ⓢ,1,2,3,4
			529732	F32T8/841/HL	25 / 25	4100K	82	3300	3200	25,000	47.75"	Ⓢ,D,1,2,3,4,6

Energy Wiser® U-Tubes

T8

- Delivers up to 95% lumen maintenance
- Ideal for commercial/industrial applications
- Instant/Rapid Start T8



T8 FB31 (1 1/8" LEG SPACING)

FB31/835/EW
FB31/841/EW

T8 FB32 (6" SPACING)

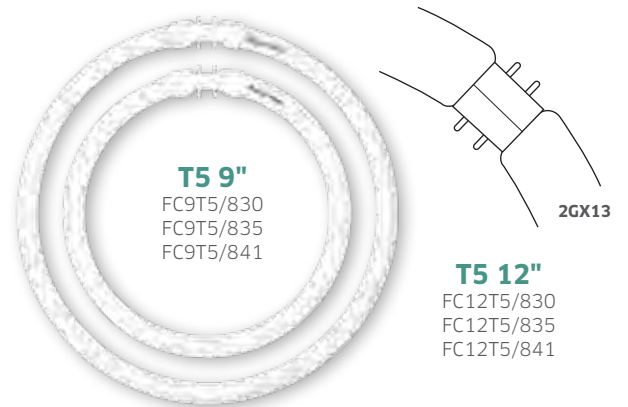
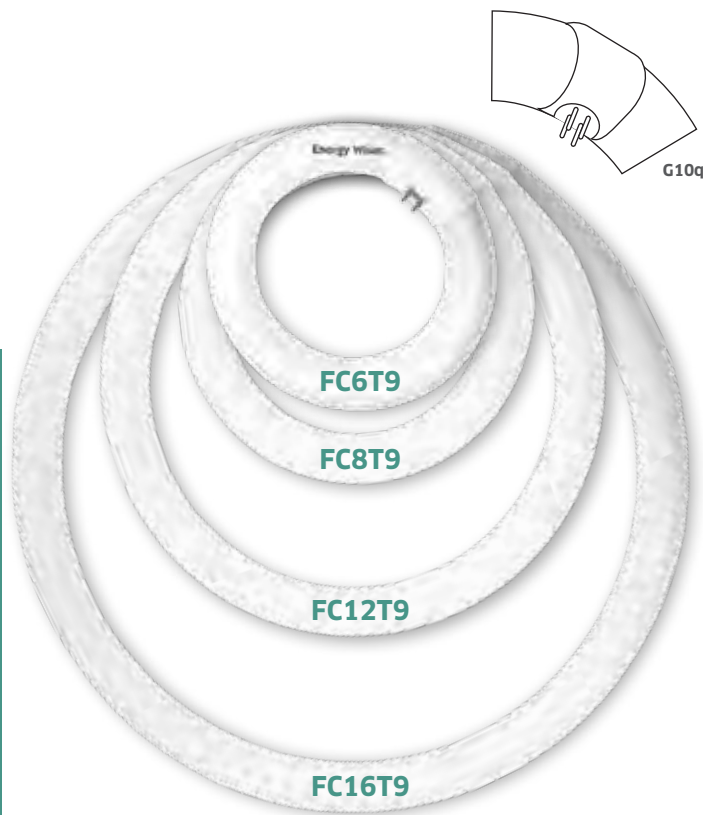
FB32/735/EW
FB32/741/EW
FB32/830/EW
FB32/835/EW
FB32/841/EW

Watts	Bulb Type	Base	Item #	Ordering Code	Inner/ Master	Color Temp.	CRI	Initial Lumens	Mean Lumens	Average Rated Life	M.O.L.	Notes pg. 137
31	T8	Med Bi-Pin	522035	FB31/835/EW	20 / 60	3500K	82	2400	2560	12,000	22.75"	Ⓔ,1,2,3,4
			522041	FB31/841/EW	20 / 60	4100K	82	2400	2560	12,000	22.75"	Ⓔ,1,2,3,4
32	T8	Med Bi-Pin	522135	FB32/735/EW	10 / 60	3500K	82	1800	2475	12,000	22.5"	Ⓔ,1,2,3,4
			522141	FB32/741/EW	10 / 60	4100K	82	2400	2475	12,000	22.5"	Ⓔ,1,2,3,4
			522230	FB32/830/EW	10 / 60	3000K	82	2400	2680	12,000	22.5"	Ⓔ,1,2,3,4
			522235	FB32/835/EW	10 / 60	3500K	82	2400	2680	12,000	22.5"	Ⓔ,1,2,3,4
			522241	FB32/841/EW	10 / 60	4100K	82	2400	2680	12,000	22.5"	Ⓔ,1,2,3,4

Energy Wiser® Circline

T5, T9

- High performance tri-phosphor used in T5 lamps for maximum brightness and color rendering
- Available in a wide variety of sizes and wattages
- Ideal for ceiling fixtures and commercial/industrial applications



Watts	Bulb Type	Base	Item #	Ordering Code	Inner/Master	Color Temp.	CRI	Initial Lumens	Mean Lumens	Average Rated Life	M.O.L.	Notes pg. 137
20	T9	G10q	502106	FC6T9CW	12 / 24	4100K	82	780	810	12,000	6"	1,3,4
22	T9	G10q	502108	FC8T9CW	12 / 24	4100K	82	780	1050	12,000	8"	1,3,4
			502008	FC8T9WW	12 / 24	3000K	82	900	1050	12,000	8"	1,3,4
	T5	2GX13	520091	FC9T5/830	10 / 30	3000K	82	1250	1800	12,000	9"	1,2,3,4
			520092	FC9T5/835	10 / 30	3500K	82	1150	1800	12,000	9"	1,2,3,4
			520093	FC9T5/841	10 / 30	4100K	82	1250	1800	12,000	9"	1,2,3,4
30	T9	G10q	502009	FCL-30LEX	12 / 24	3000K	82	1250	1700	12,000	9"	1,3,4
32	T9	G10q	502112	FC12T9CW	12 / 24	4100K	82	1710	2000	12,000	12"	1,3,4
40	T9	G10q	502116	FC16T9CW	12 / 24	4100K	82	2400	2700	12,000	16"	1,3,4
			T5	2GX13	520121	FC12T5/830	10 / 30	3000K	82	2250	3150	24,000
520122	FC12T5/835	10 / 30			3500K	82	2250	3150	24,000	12"	1,2,3,4	
520123	FC12T5/841	10 / 30			4100K	82	2250	3150	24,000	12"	1,2,3,4	

Fluorescent Footnotes

D	Discontinued Item - Limited Quantity Available
E	Bulb meets Federal minimum efficiency standards

- 1** Fluorescent lamps contain mercury. For more information on clean up and safe disposal of fluorescent lamps visit epa.gov/cfl. For Bulbrite's recycling program, see pg 177.

- 2** This lamp is TCLP Compliant. TCLP, or Toxicity Characteristic Leaching Procedure, classifies waste as hazardous or non-hazardous in most states for the purpose of disposal.

- 3** This lamp is RoHS Compliant. RoHS is the restriction on the use of certain hazardous substances in electrical and electronic equipment. RoHS restricts the use of mercury, lead, hexavalent chromium, cadmium and a range of flame retardants, notably polybrominated biphenyls and polybrominated diphenyl ethers. There are a number of exemptions for the use of the hazardous substances for specific technical uses where alternatives do not presently exist. There are also permissible maximum concentration values which allow for any trace presence.

- 4** CE approval indicates that this product is compliant with EU legislation and enables free movement of this product within the European market. This mark certifies that the product complies with all relevant essential requirements in regard to safety, health and environmental protection requirements.

- 5** Reduced wattage 28W T8 lamps are compatible with a 32W ballast.

- 6** High Lumen fluorescent T8s will produce about 1-% higher light output and experience a 20% increase in lamp life than a standard T9 when used on the same lamp and ballast system. When used on an industry standard low power ballast (0.77 ballast factor), High Lumen fluorescent T8 lamps will product similar light output to a standard T8 lamp and ballast system and have an average of 12% energy savings. For full light output potential, it is recommended to use this lamp with a high power factor ballast.

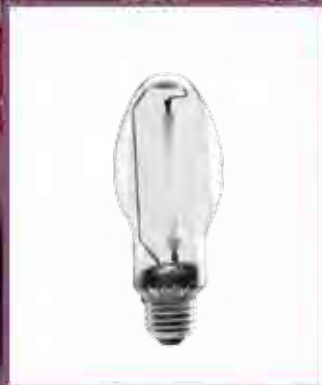
- 7** T5 High Output (HO) lamps are intended for use on a high power factor ballast that meets ANSI standards. Not intended for use on low power factor ballasts or reduced current/reduced light output ballasts.

Do Your Part....
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<p>Recycling Program Become an Authorized Recycling Center.</p>		<p>CALL 800-528-5555</p>
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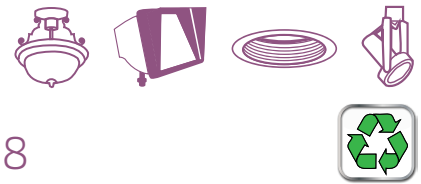
All data in this catalog is subject to change without notice. See Bulbrite.com for most current product specifications.





Metal Halide Pulse Start - Open Fixtures

Integrated Ballast PAR30 Long Neck, PAR38



- For use in open fixtures
- Universal burn position
- Pulse start technology produces faster startup and maintains lumen output resulting in longer life
- Integrated electronic ballast makes these lamps a direct replacement for halogen PAR lamps without changing fixtures
- Ideal for track and display lighting in retail and commercial settings such as offices, grocery stores and shopping centers



PAR30 LONG NECK INTEGRATED BALLAST

MH24PAR30SP/SB
MH24PAR30NFL/SB
MH24PAR30MFL/SB
MH24PAR30FL/SB

PAR38 INTEGRATED BALLAST

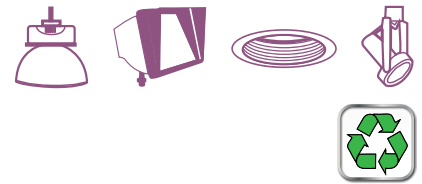
MH24PAR38SP/SB
MH24PAR38NFL/SB

METAL HALIDE

Watts	Bulb Type	Base	Item #	Ordering Code	Inner/Master	Description	Color Temp.	CRI	Lumens	Average Hours	M.O.L.	Notes
24	PAR30LN	E26	666424	MH24PAR30SP/SB	1 / 6	Spot 10°	2800K	82	1220	12,000	4.625"	M,U,1,2,5
			666524	MH24PAR30NFL/SB	1 / 6	N. Flood 25°	2800K	82	1220	12,000	4.625"	M,U,1,2,5
			666624	MH24PAR30MFL/SB	1 / 6	Flood 30°	2800K	82	1220	12,000	4.625"	M,U,1,2,5
			666724	MH24PAR30FL/SB	1 / 6	Flood 40°	2800K	82	1220	12,000	4.625"	M,U,1,2,5
24	PAR38	E26	666024	MH24PAR38SP/SB	1 / 6	Spot 10°	3000K	82	1220	12,000	5.5"	M,U,1,2,5
			666224	MH24PAR38NFL/SB	1 / 6	N. Flood 25°	3000K	82	1220	12,000	5.5"	M,U,1,2,5

Metal Halide Pulse Start - Open Fixtures

PAR20, PAR30 Long Neck, PAR38



HID

- For use in open fixtures
- Universal burn position
- Pulse start technology produces faster startup and maintains lumen output resulting in longer life
- Ideal for track and display lighting in retail and commercial settings such as offices, grocery stores and shopping centers



PAR20

MH39PAR20SP
MH39PAR20FL

PAR20 LONG NECK

MH39PAR30SP
MH39PAR30FL
MH70PAR30SP
MH70PAR30FL

PAR38

MH70PAR/SP MH100PAR/FL
MH70PAR/FL MH100PAR/WF
MH70PAR/WF MH150PAR/FL
MH100PAR/SP MH150PAR/WF

METAL HALIDE

Watts	Bulb Type	Base	Item #	Ordering Code	Inner/ Master	Description	Color Temp.	Lumens	Average Hours	M.O.L.	Notes pg. 147
35	PAR30LN	E26	665039	MH39PAR30SP	1 / 6	Spot 10°	3000K	81	2200	4.75"	M,U,1,2
			665139	MH39PAR30FL	1 / 6	Flood 30°	3000K	81	2200	4.75"	M,U,1,2
39	PAR20	E26	665035	MH39PAR20SP	1 / 12	Spot 10°	3000K	87	2000	3.625"	M,U,1,2
			665135	MH39PAR20FL	1 / 12	Flood 30°	3000K	87	2000	3.75"	M,U,1,2
70	PAR30LN	E26	665071	MH70PAR30SP	1 / 12	Spot 10°	3000K	85	3600	4.75"	M,U,1,2
			665171	MH70PAR30FL	1 / 6	Flood 40°	3000K	82	4400	4.75"	M,U,1,2
	PAR38	E26	665070	MH70PAR/SP	1 / 12	Spot 15°	3000K	88	4300	5.438"	M,U,1,2
			665170	MH70PAR/FL	1 / 12	N. Flood 25°	3000K	88	4300	5.438"	M,U,1,2
			665270	MH70PAR/WF	1 / 12	W. Flood 65°	3000K	88	4300	5.438"	M,U,1,2
			665100	MH100PAR/SP	1 / 12	Spot 15°	3000K	88	6500	5.438"	M,U,1,2
100	PAR38	E26	665101	MH100PAR/FL	1 / 12	N. Flood 25°	3000K	88	6500	5.438"	M,U,1,2
			665102	MH100PAR/WF	1 / 12	W. Flood 65°	3000K	88	6500	5.438"	M,U,1,2
150	PAR38	E26	665151	MH150PAR/FL	1 / 6	N. Flood 25°	3000K	88	9100	5.438"	M,U,1,2
			665152	MH150PAR/WF	1 / 6	W. Flood 65°	3000K	88	9100	5.438"	M,U,1,2,5

Metal Halide Pulse Start - Enclosed Fixtures

ED17



- Various burn position - for use in enclosed fixtures
- Pulse start technology produces faster startup and maintains lumen output resulting in longer life
- Ideal for flood lighting in industrial and commercial applications such as warehouses, parking lots and gymnasiums



ED17 MEDIUM BASE ENCLOSED FIXTURES

MH70/U/MED
MH100/U/MED
MH150/U/MED

METAL HALIDE

Watts	Bulb Type	Base	Item #	Ordering Code	Inner/Master	Description	Color Temp.	CRI	Lumens	Average Hours Vertical / Horizontal	M.O.L.	Notes pg. 147
70	ED17	E26	663070	MH70/U/MED	1 / 12	Clear	4000K	65	5600	10,000V / 7,500H	5.438"	U,1,3
100	ED17	E26	663100	MH100/U/MED	1 / 12	Clear	4000K	65	9000	10,000V / 7,500H	5.438"	U,1,3
150	ED17	E26	663150	MH150/U/MED	1 / 12	Clear	4000K	65	14,500	10,000V / 7,500H	5.438"	U,1,3

Metal Halide Pulse Start - Open & Enclosed Fixtures

BT28



HID

- Various burn position - for use in open and enclosed fixtures
- Pulse start technology produces faster startup and maintains lumen output resulting in longer life
- Ideal for flood lighting in industrial and commercial applications such as warehouses, parking lots and gymnasiums



BT28 MOGUL BASE OPEN & ENCLOSED FIXTURES

MH250/BU/PS/E
MH250/BU/PS/O

METAL HALIDE

Watts	Bulb Type	Base	Item #	Ordering Code	Inner/Master	Description	Color Temp.	CRI	Lumens	Average Hours	M.O.L.	Notes pg. 147
250	BT28	E39	663253	M250/BU/PS/E	1 / 6	Clear	4200K	65	23,000	20,000	8.375"	M.V.1,3
		EX39	663252	M250/BU/PS/O	1 / 6	Clear	4000K	65	22,500	15,000	8.375"	M.V.1,2

Metal Halide Non-Pulse Start - Open & Enclosed Fixtures

ED17, ED28, ED37, BT56



- Universal burn position
- For use in open and enclosed fixtures
- Ideal for retail and industrial applications such as warehouses, parking garages and roadways



**ED17
MEDIUM BASE**

MH175/U/MED

**ED28
MEDIUM BASE**

MH175/U
MH175/C/U
MH250/U
MH250/C/U

**ED37
MEDIUM BASE**

MH400/U
MH400/C/U

**BT56
MEDIUM BASE**

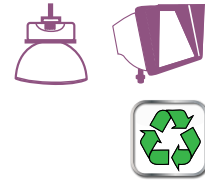
MH1000/U
MH1000/C/U

Watts	Bulb Type	Base	Item #	Ordering Code	Inner/Master	Description	Color Temp.	CRI	Lumens	Average Hours Vertical / Horizontal	M.O.L.	Notes pg. 147
175	ED17	E26	663174	MH175/U/MED	1 / 12	Clear	4000K	65	14,000	10,000V / 7,500H	5.429"	U,1,3
	ED28	E39	663175	MH175/U	1 / 12	Clear	4000K	65	14,000	10,000V / 7,500H	8.333"	U,1,3
			663176	MH175/C/U	1 / 12	Coated	3900K	70	12,900	10,000V / 6,000H	8.25"	M,U,S,1,3
250	ED28	E39	663255	MH250/U	1 / 6	Clear	4000K	65	21,000	10,000V / 7,500H	8.333"	U,1,3
			663251	MH250/C/U	1 / 12	Coated	3900K	70	19,800	10,000V / 6,000H	8.25"	M,U,S,1,3
400	ED37	E39	663405	MH400/U	1 / 6	Clear	4000K	65	39,000	20,000V / 15,000H	11.5"	U,1,3
			663401	MH400/C/U	1 / 6	Coated	3700K	70	35,000	20,000V / 15,000H	11.5"	M,U,S,1,4
1000	BT56	E39	663999	MH1000/U	1 / 6	Clear	4000K	65	108,000	15,000V / 9,000H	15.375"	M,U,1,3
			663998	MH1000/C/U	1 / 6	Coated	3700K	65	105,000	15,000V / 11,000H	15.375"	M,U,S,1,4

METAL HALIDE

High Pressure Sodium

ED17, ED23.5, ED18, ED25



HID

- Universal burn position
- Ideal for commercial applications such as schools, office building, shopping centers and industrial facilities



HIGH PRESSURE SODIUM

ED17 MEDIUM BASE LU50/MED LU70/MED LU100/MED	ED17 MEDIUM BASE LU150/MED	ED23.5 MOGUL BASE LU50/MOG LU100/MOG LU150/MOG	ED18 MOGUL BASE LU250/MOG LU400/MOG	ED25 MOGUL BASE LU1000/MOG
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Watts	Bulb Type	Base	Item #	Ordering Code	Inner/Master	Description	Color Temp.	CRI	Lumens	Average Hours	M.O.L.	Notes pg. 147
50	ED17	E26	661050	LU50/MED	1 / 12	Clear	2000K	22	3800	24,000	5.429"	U,1,3
	ED23.5	E39	661051	LU50/MOG	1 / 12	Clear	2000K	22	3800	24,000	7.75"	D,U,1,3
70	ED17	E26	661070	LU70/MED	1 / 12	Clear	2000K	22	6000	24,000	5.429"	U,1,3
100	ED17	E26	661100	LU100/MED	1 / 12	Clear	2000K	22	9500	24,000	5.516"	U,1,3
	ED23.5	E39	661101	LU100/MOG	1 / 12	Clear	2000K	22	9500	24,000	7"	U,1,3
150	ED17	E26	661150	LU150/MED	1 / 12	Clear	2000K	22	16,000	24,000	5.563"	U,1,3
	ED23.5	E39	661155	LU150/MOG	1 / 12	Clear	2100K	22	16,000	24,000	7.75"	U,1,3
250	ED18	E39	661250	LU250/MOG	1 / 12	Clear	2100K	22	28,000	24,000	9.75"	U,1,3
400	ED18	E39	661400	LU400/MOG	1 / 12	Clear	2100K	22	50,000	24,000	9.75"	U,1,3
1000	E25	E39	661999	LU1000/MOG	1 / 6	Clear	2100K	22	130,000	24,000	15.08"	M,U,1,3

Cross Reference Guide

Bulbrite Item #	Bulbrite Ordering Code	Sylvania Product #	Sylvania Code	Philips Product #	Philips Code	GE Product #	GE Code
Metal Halide Medium Base: Pulse Start, Open and Enclosed Fixtures							
663070	MH70/U/MED	64836	M70/U/MED	28129-5	MHC70/U/M/4K/ALTO	12590	MVR70/U/MED
663100	MH100/U/MED	64818	M100/U/MED	28135-2	MHC100/U/M/4K/ALTO	12652	MVR100/U/MED
663150	MH150/U/MED	64785	M150/U/MED	37720-0	MHC150/U/M/4K/ALTO	12598	MVR150/U/MED
Metal Halide Medium & Mogul Base: Non-Pulse Start, Enclosed Fixtures							
663174	MH175/U/MED	64479	M175/U/MED	31358-5	MH175/U/M	18902	MVR175/U/MED
663175	MH175/U	64471	M175/U	28733-4	MH175/U	47760	MVR175/U
663255	MH250/U	64457	M250/U	27484-5	MH250/U	42729	MVR250/U
663405	MH400/U	64490	M400/U	27449-8	MH400/U	43828	MVR400/U
High Pressure Sodium: Medium and Mogul Base							
661050	LU50/MED	67502	LU50/MED	40980-5	C50S68/M	11345	LU50/MED/ECO
661051	LU50/MOG	67510	LU50/ECO	36867-0	C50S68/ALTO	44975	LU50/H/ECO
661070	LU70/MED	67504	LU70/MED	33192-6	C70S62/M	11339	LU70/MED/ECO
661100	LU100/MED	67506	LU100/MED	34446-5	C100S54/M	13250	LU100/MED/ECO
661101	LU100/MOG	67514	LU100/ECO	36872-0	C100S54/ALTO	85369	LU100/H/ECO
661150	LU150/MED	67508	LU150/55/MED	30347-9	C150S55/M	13252	LU150/MED/ECO
661155	LU150/MOG	67516	LU150/55/ECO	36874-6	C150S55/ALTO	85371	LU150/55/H/ECO
661250	LU250/MOG	67578	LU250/ECO	36879-5	C250S50/ALTO	85377	LU250/H/ECO
661400	LU400/MOG	67533	LU400/ECO	36881-1	C400S51/ALTO	85379	LU400/H/ECO

IMPORTANT NOTE:

All HID lamps and ballasts are identified by standardized codes developed by the American National Standards Institute (ANSI). These ANSI codes allow users to properly match lamps, regardless of manufacturer, to the appropriate ballast. Please use the charts below to identify the proper ANSI code when making your lamp and ballast selections to ensure safe operation and optimum performance.

Metal Halide Lamps Ballast Info	
Lamp	ANSI Code
50W	M110/E
70W Double Ended	M85
70W	M98
100W	M90
150W Double Ended	M81
150W	M101/M102
175W	M57/M137/M152
250W	M58/M138/M153
400W	M59/M135/M155
1000W	M47

High Pressure Sodium Lamps Ballast Info	
Lamp	ANSI Code
35W	S76
50W	S68
70W	S62
100W	S54
150W (55 Volt)	S55
250W	S50
400W	S51

HID Footnotes

D	Discontinued Item - Limited Quantity Available
M	Major Brand
S	Special Order
U	Universal Operating Position
V	Vertical Operating Position $\pm 15^\circ$

- 1** High Intensity Discharge lamps contain mercury. For more information on clean up and safe disposal, visit epa.gov/cfl.
- 2** This can be used in open fixtures.
- 3** This lamp is ONLY for use in suitably enclosed fixtures. "Enclosed" fixture, as fully defined by UL Standard 1598, is a properly enclosed fixture designed to contain fragments of hot glass (up to 1100°C). Contact the fixture manufacturer for more details.
- 4** This lamp can be used in an open fixture when operated in a vertical $\pm 15^\circ$ position. When operating in all other burning positions, lamp must be used in an enclosed fixture.
- 5** This is a self-ballasted lamp. This product has an integrated ballast and does not require an external ballast for operation.

WARNINGS*

Metal Halide lamps should not be used in standard incandescent sockets. Unexpected rupture is possible with these lamps. To minimize risk, lamps operated 24/7 should be turned off for a minimum of 15 minutes per week. Lamps must be used in fixtures which can tolerate rupture (See UL 1598 Standards). Avoid using these lamps in environments and fixtures where they may come into direct contact with rain, sleet or snow to prevent breakage due to thermal shock. If lamp breaks or fails, turn off power immediately and allow lamp to cool before touching to avoid potential electrical shock and burns during lamp replacement. Lamps may take approximately 2-5 minutes to reach full brightness.

High Pressure Sodium (HPS) lamps should only be operated in equipment that meets ANSI electrical specifications and in fixtures designed to operate with HPS lamps. Lamps burned in a position which redirects heat toward the arc tube may experience early failure. If lamp breaks, turn off power immediately and allow lamp to cool before touching to avoid potential electrical shock and burns during lamp replacement. The arc tube contains both sodium and mercury; avoid direct contact with the skin when installing or removing lamp. Lamps must be disposed of in accordance with federal, state and local requirements. Lamps may take approximately 3-4 minutes to reach full brightness.

In accordance to Federal Regulations (21 CFR 1040.30) the following notice applies to select lamps in the HID section of this catalog:

R Warning: This lamp can cause serious skin burn and eye inflammation from shortwave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available

**Not responsible for personal injury, damage, or poor performance as a result of improper use and negligence of the above warnings.*

Do Your Part....

Join Bulbrite to save the environment.

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Become an Authorized
Recycling Center.

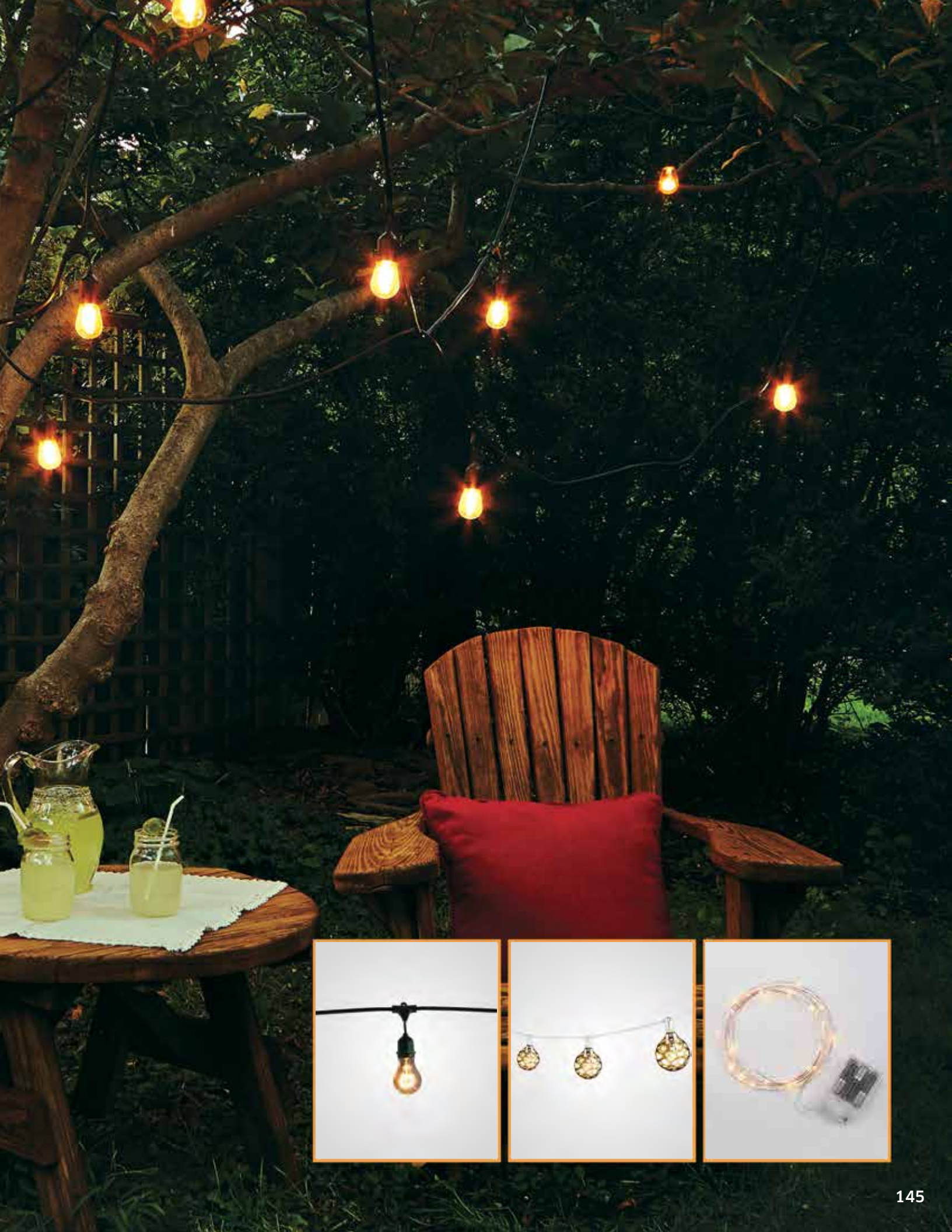


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String







Bring luxury to outdoor living

The perfect lighting accent for outdoor and indoor spaces, string lights create warm and opulent ambiances. Easy to install and available in both string and kit options, string lights create your perfect mood.

String Lights

Medium Base (E26) Sockets



String

- 15 outdoor rated medium based (E26) sockets
- 48 ft. cord (14 AWG) with 3 ft. spacing between each socket
- Maximum wattage for string run is 1500W
- Can connect up to 4 strings
- Ideal for patio lighting, gazebos, porches, outdoor events, parties, and restaurants/bars



STRING LIGHT
STRING15/E26

STRING LIGHT
11S14C

STRING15/E26-S14KT

STRING LIGHT
ST-G16

STRING15/E26-G16KT

STRING LIGHT
NOS25-VICTOR

STRING15/E26-A19KT

STRING LIGHT
LED2S14/27K/FIL

STRING15/E26-LEDS14KT

Item #	Ordering Code	Inner / Master	Description	M.O.L.
810001	STRING15/E26	1 / 4	48' Cord with 15 Standard (E26) Base Sockets	48'
810002	STRING15/E26-S14KT	1 / 4	48' Cord with 15 Standard (E26) Base Sockets Includes 15 S14 Bulbs (Ord. Code: 11S14C)	48'
810003	STRING15/E26-G16KT	1 / 4	48' Cord with 15 Standard (E26) Base Sockets Includes 15 Starlight Bulbs (Ord. Code: ST-G16)	48'
810004	STRING15/E26-A19KT	1 / 4	48' Cord with 15 Standard (E26) Base Sockets Includes 15 Nostalgic Bulbs (Ord. Code: NOS25-VICTOR)	48'
860330	STRING15/E26-LEDS14KT	1 / 4	48' Cord with 15 Standard (E26) Base Sockets Includes 15 LED A14 Bulbs (Ord. Code: LED2S14/27K/FIL)	48'

Mini String Lights Candelabra Base (E12) Sockets - Black



- 15 outdoor rated candelabra based (E12) sockets
- 25 ft. cord (16 AWG) with 16.5 in. spacing between each socket
- Maximum wattage for string run is 1200W
- Can connect up to 3 strings
- Ideal for patio lighting, gazebos, porches and restaurants/bars either indoor or outdoor



**miniString Light
BLACK**

STRING15/E12/BLACK



**miniString Light
BLACK w/
25B10/MAR**

STRING15/E12/
BLACK-B10MAR-KT



**miniString Light
BLACK w/
NOS25A15/LP/E12**

STRING15/E12/
BLACK-NOSA15KT



**miniString Light
BLACK w/
25G16CL2**

STRING15/E12/
BLACK-G16KT



**miniString Light
BLACK w/
25B16/MAR/E12**

STRING15/E12/
BLACK-G16MAR-KT



**miniString Light
BLACK w/
NOS25ST15/SQ/E12**

STRING15/E12/
BLACK-NOSST15-KT

Item #	Ordering Code	Inner / Master	Description	M.O.L.
810040	STRING15/E12/BLACK	1 / 9	25' Cord with 15 Candelabra (E12) Black Sockets	25'
860280	STRING15/E12/ BLACK-B10MAR-KT	1 / 9	25' Cord with 15 Candelabra (E12) Black Sockets Includes 15 Amber Marble Chandelier Bulbs (Ord. Code: 25B10/MAR)	25'
810041	STRING15/E12/ BLACK-G16KT	1 / 9	25' Cord with 15 Candelabra (E12) Black Sockets Includes 15 G16 Bulbs (Ord. Code: 25G16CL2)	25'
810042	STRING15/E12/ BLACK-G16MAR-KT	1 / 9	25' Cord with 15 Candelabra (E12) Black Sockets Includes 15 Amber Marble Globe Bulbs (Ord. Code: 25G16/MAR/E12)	25'
810043	STRING15/E12/ BLACK-NOSA15KT	1 / 9	25' Cord with 15 Candelabra (E12) Black Sockets Includes 15 Nostalgic Bulbs (Ord. Code: NOS25A15/LP/E12)	25'
860283	STRING15/E12/ BLACK-NOSST15-KT	1 / 9	25' Cord with 15 Candelabra (E12) Black Sockets Includes 15 Nostalgic Bulbs (Ord. Code: NOS25ST15/SQ/E12)	25'

Mini String Lights

Candelabra Base (E12) Sockets - White



- 15 outdoor rated candelabra based (E12) sockets
- 25 ft. cord (16 AWG) with 16.5 in. spacing between each socket
- Maximum wattage for string run is 1200W
- Can connect up to 3 strings
- Ideal for patio lighting, gazebos, porches and restaurants/bars either indoor or outdoor



**miniString Light
WHITE**

STRING15/E12/WHITE



**miniString Light
WHITE w/
25B10/MAR**

STRING15/E12/
WHITE-B10MAR-KT



**miniString Light
WHITE w/
NOS25A15/LP/E12**

STRING15/E12/
WHITE-NOSA15KT



**miniString Light
WHITE w/
25G16CL2**

STRING15/E12/
WHITE-G16KT



**miniString Light
WHITE w/
25B16/MAR/E12**

STRING15/E12/
WHITE-G16MAR-KT



**miniString Light
WHITE w/
NOS25ST15/SQ/E12**

STRING15/E12/
WHITE-NOSST15-KT

Item #	Ordering Code	Inner / Master	Description	M.O.L.
810050	STRING15/E12/WHITE	1 / 9	25' Cord with 15 Candelabra (E12) White Sockets	25'
860281	STRING15/E12/ WHITE-B10MAR-KT	1 / 9	25' Cord with 15 Candelabra (E12) White Sockets Includes 15 Amber Marble Chandelier Bulbs (Ord. Code: 25B10/MAR)	25'
810051	STRING15/E12/ WHITE-G16KT	1 / 9	25' Cord with 15 Candelabra (E12) White Sockets Includes 15 G16 Bulbs (Ord. Code: 25G16CL2)	25'
810052	STRING15/E12/ WHITE-G16MAR-KT	1 / 9	25' Cord with 15 Candelabra (E12) White Sockets Includes 15 Amber Marble Globe Bulbs (Ord. Code: 25G16/MAR/E12)	25'
810053	STRING15/E12/ WHITE-NOSA15KT	1 / 9	25' Cord with 15 Candelabra (E12) White Sockets Includes 15 Nostalgic Bulbs (Ord. Code: NOS25A15/LP/E12)	25'
860282	STRING15/E12/ WHITE-NOSST15-KT	1 / 9	25' Cord with 15 Candelabra (E12) White Sockets Includes 15 Nostalgic Bulbs (Ord. Code: NOS25ST15/SQ/E12)	25'

LED Starry Lights Battery



- Bulbrite's LED Starry Lights are moldable LED string lights that can be used in a variety of decorative applications to create an elegant decorative glow. The bendable wire conforms to any shape and adds a personal touch to a variety of applications like mantels, centerpieces, planters, decorations, indoor trees and much more.
- Copper or Silver colored wire
- Single Strand
 - One 10 foot long strand with 25 LED lights on moldable wire
 - Battery powered (3 AA batteries not included)
 - 17" lead wire



SILVER COLORED STRING

10 FOOT SINGLE STRING
BATTERY POWERED



COPPER COLORED STRING

10 FOOT SINGLE STRING
BATTERY POWERED



SINGLE STRAND

SILVER
LED/STAR/SIL/S/27K

SINGLE STRAND

COPPER
LED/STAR/COP/S/27K

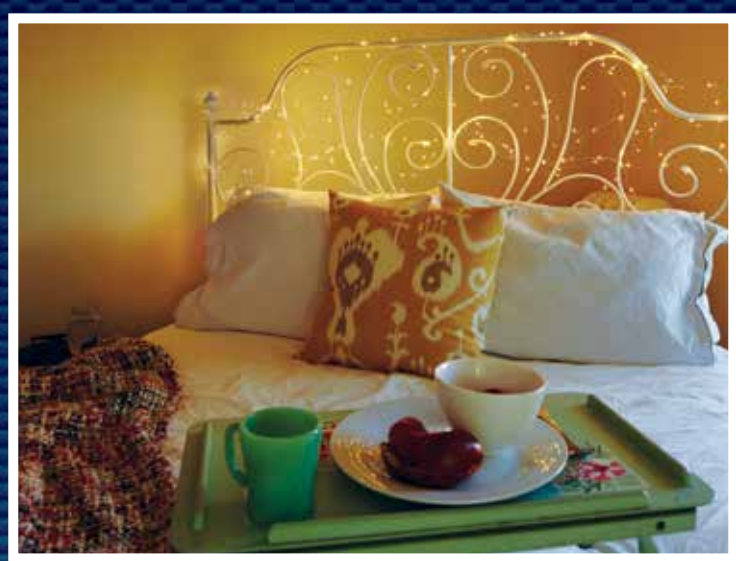
Item #	Ordering Code	Inner / Master	Description	M.O.L.
810060	LED/STAR/SIL/S/27K	1 / 20	Single Strand with 25 LED Lights - Silver - Battery powered	10'
810061	LED/STAR/COP/S/27K	1 / 20	Single Strand with 25 LED Lights - Copper - Battery powered	10'



LED Starry Lights

Plug-In

- Bulbrite's LED Starry Lights are moldable LED string lights that can be used in a variety of decorative applications to create an elegant decorative glow. The bendable wire conforms to any shape and adds a personal touch to a variety of applications like mantels, centerpieces, planters, decorations, indoor trees and much more.
- Copper or Silver colored wire
- Multi-Strand
 - Ten strands of 10 feet long moldable wire with 25 LED lights per strand
 - AC powered
 - 10' wire to junction

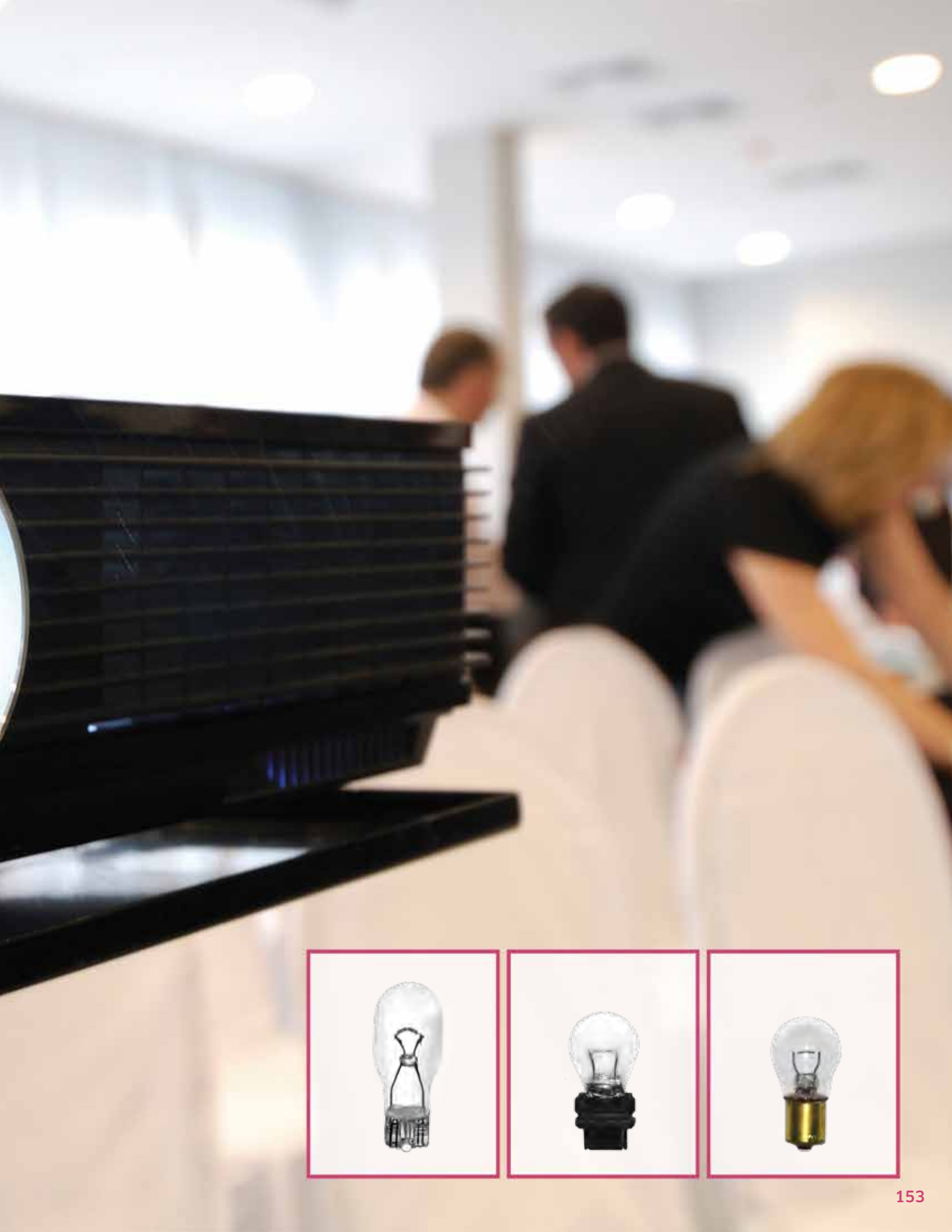


MULTI STRAND
SILVER
LED/STAR/SIL/M/27K

MULTI STRAND
COPPER
LED/STAR/COP/M/27K

Item #	Ordering Code	Inner / Master	Description	M.O.L.
810065	LED/STAR/SIL/M/27K	1 / 20	Multi Strand (10) with 25 LED Lights - Silver - AC powered	10'
810066	LED/STAR/COP/M/27K	1 / 20	Multi Strand (10) with 25 LED Lights - Copper - AC powered	10'





Audio-Visual/Stage/Studio/TV/Video

Listed on page 157

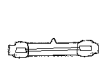


FIG. 1



FIG. 2



FIG. 3



FIG. 4



FIG. 5



FIG. 6



FIG. 7



FIG. 8

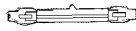


FIG. 9



FIG. 10



FIG. 11



FIG. 12



FIG. 13



FIG. 14



FIG. 15



FIG. 16



FIG. 17



FIG. 18

Miniatures

Listed on page 157-159



FIG. 19



FIG. 20



FIG. 21



FIG. 22



FIG. 23



FIG. 24



FIG. 25



FIG. 26



FIG. 27



FIG. 28



FIG. 29



FIG. 30



FIG. 31



FIG. 32



FIG. 33



FIG. 34



FIG. 35



FIG. 36



FIG. 38



FIG. 39



FIG. 40



FIG. 41



FIG. 42



FIG. 43



FIG. 44



FIG. 45



FIG. 46



FIG. 47



FIG. 48



FIG. 49



FIG. 50



FIG. 51



FIG. 52



FIG. 53



FIG. 54



FIG. 55



FIG. 56



FIG. 57

Audio-Visual/Stage/Studio/TV/Video

Item #	Ordering Code	Volts	Watts	Bulb Type	Base	Min. Qty.	Fig.
761015	BRH	120	1000	T5	R7s	10	1
762010	BTL	120	500	T6	P28s	12	2
762035	BVT	120	1000	T7	P40s	6	3
761028	DDL	20	150	MR16	GX5.3	12	4
762075	DMX	120	500	T20	P28s	10	5
762090	DRA	120	300	T4	G6.35	10	7
761030	DRB/DRC	120	1000	T20	P28s	10	6
761050	DYS/DYV/BHC	120	600	G7	GZ9.5	10	10
761160	DZE/FDS	24	150	T4	GY9.5	10	17
761070	EFR	15	150	MR16	GZ6.35	10	11
762185	EGJ	120	1000	T6	P28s	12	12
762210	EHD	120	500	T5	G9.5	12	13
762220	EHG	120	750	T5	G9.5	12	13
762235	EHR	120	400	T4	R7s	10	9
761080	ELC	24	250	MR16	GX5.3	10	4
761085	ELH	120	300	MR16	GY6.3	10	26
761140	EYB	82	360	T3½	G5.3	10	15
762270	EYH/FKT	120	250	G6	G5.3	10	8
762280	EYX	120	500	T4	E11	10	16
761155	FCS	24	150	T4	G6.35	10	14
762315	FEV	120	200	T4	BA15d	10	33
762335	FLK	120	575	T6	G9.5	10	18

Miniatures

Item #	Ordering Code	Volts	Watts	Bulb Type	Base	Min. Qty.	Fig.
756015	6PSB5	6	0.14A	T2	TS5	10	22
750601	6S6/12V	12	6W	S6	E12	10	19
750602	6S6/24V	24	6W	S6	E12	10	19
750603	6S6/30V	30	6W	S6	E12	10	19
750604	6S6/48V	48	6W	S6	E12	10	19
750606	6S6/120V	120	6W	S6	E12	50	19
750607	6S6/145V	145	6W	S6	E12	10	19
750609	6S6/230V	230	6W	S6	E12	10	19
750615	6S6DC/48V	48	6W	S6	BA15d	10	20
750617	6S6DC/120V	120	6W	S6	BA15d	10	20
750101	10S6/230V	230	10W	S6	E12	10	19
754010	14	2.47	0.3A	G3½	E10	10	24
756090	24PSB5	24	0.073A	T2	TS5	10	22
756120	28PSB5	28	0.04A	T2	TS5	10	22
752020	40	6.3	0.15A	T3¼	E10	10	31
751035	44	6.3	0.25A	T3¼	BA9s	10	28
751045	47	6.3	0.15A	T3¼	BA9s	10	28
754025	50	7.5	0.22A	G3½	E10	10	23
752030	51	7.5	0.22A	G3 ½	BA9s	10	27
751060	55	7	0.41A	G4½	BA9s	10	29
752065	73	14	0.08A	T1¼	Mini Wedge	10	25
751090	85	28	0.04A	T1¼	Mini Wedge	10	25
752095	90	13	0.58A	G6	BA15d	10	30
752110	94	12.8	1.04A	S8	BA15d	10	32

NOTE: VOLTS x AMPS = WATTS

All products are special order only and subject to a special order fee, minimum order quantities and are non-returnable.

Miniatures

MINIATURES

Item #	Ordering Code	Volts	Watts	Bulb Type	Base	Min. Qty.	Fig.
751115	120MB	120	0.025A	T2½	BA9s	10	21
751125	120PSB5	120	0.025A	T2	T55	10	22
756160	130MB	130	0.025A	T2½	BA9s	10	21
752140	158	14	0.24A	T3¼	Mini Wedge	10	43
752150	161	14	0.19A	T3¼	Mini Wedge	10	43
752160	168	14	0.35A	T3¼	Mini Wedge	10	43
752180	194	14	0.27A	T3¼	Mini Wedge	10	43
752220	211-2	12.8	0.97A	T3	Double End Cap	10	46
752225	212-2	13.5	0.74A	T3	Double End Cap	10	46
754050	222	2.25	0.25A	TL3	E10	10	41
751155	251	2.47	0.3A	T1¾	SX6s	10	47
756180	259	6.3	0.25A	T3¼	Mini Wedge	10	43
755015	306	28	0.51A	S8	BA15d	10	38
751225	388	28	0.04A	T1¾	S5.7s	10	52
751230	394	12	0.04A	T1¾	SX6s	10	47
754070	428	12.5	0.25A	G4½	E10	10	30
755090	464	28	0.17A	T3¼	Mini Wedge	10	43
751240	509K	24	0.18A	G6	E12	10	54
756190	555	6.3	0.25A	T3¼	Mini Wedge	10	43
752240	561	12.8	0.97A	T3	RGLP	10	55
752250	563	13.5	0.52A	T3	RGLP	10	55
752270	624	28	0.37A	G6	BA15d	10	36
751250	656	28	0.06A	T3¼	Mini Wedge	10	43
751280	755	6.3	0.15A	T3¼	BA9s	10	32
751285	756	14	0.08A	T3¼	BA9s	10	32
751290	757	28	0.08A	T3¼	BA9s	10	32
752280	795	12.8	50W	T4	BA15s	10	41
752285	795X	12.8	50W	T4	BA15s	10	41
757005	901	12.8	0.31A	T5	Mini Wedge	10	48
757015	901B	12.8	0.31A	T5	Mini Wedge	50	48
752365	906	13	0.69A	T5	Mini Wedge	10	48
753005	908	6	1.5A	T5	Mini Wedge	10	48
753010	909	6	0.62A	T5	Mini Wedge	10	48
752370	912	12.8	1A	T5	Mini Wedge	10	48
752375	916	13.5	0.54A	T5	Mini Wedge	10	48
757030	917	12.8	1.2A	T5	Mini Wedge	10	48
757035	918	12.8	0.56A	T5	Mini Wedge	10	48
752380	921	12.8	1.4A	T5	Mini Wedge	10	48
757060	923	12.8	0.91A	T5	Mini Wedge	10	48

NOTE: VOLTS x AMPS = WATTS

All products are special order only and subject to a special order fee, minimum order quantities and are non-returnable.

Miniatures

Item #	Ordering Code	Volts	Watts	Bulb Type	Base	Min. Qty.	Fig.
752415	1073	12.8	1.8A	S8	BA15s	10	37
752420	1076	12.8	1.8A	S8	BA15d	10	38
752430	1130	6.4	2.63A	S8	BA15d	10	38
715113	1133	6.2	3.91A	RP11	BA15s	10	49
752435	1141	12.8	1.6A	S8	BA15s	10	37
752445	1142	12.8	1.6A	S8	BA15d	10	37
752480	1157	12.8/14	2.1/0.59A	S8	BAY15d	10	36
756245	1385	28	0.72A	R12	BA15s	10	51
751305	1487	14	0.2A	T3¼	E10	10	31
751520	B7A	110	2ma	T4½	E12	10	56
754125	HPR52	2.8	0.85A	T3	P13.5s	10	38
754215	PR4	2.33	0.27A	B3½	P13.5s	10	51
755120	1683	28	1.02A	S8	BA15s	10	37
752555	1816	13	0.33A	T3¼	BA9s	10	32
751320	1819	28	0.04A	T3¼	BA9s	10	32
751325	1820	28	0.1A	T3¼	BA9s	10	32
751330	1821	28	0.17A	T3¼	E10	10	31
755150	1822	36	0.1A	T3¼	BA9s	10	32
751335	1829	28	0.07A	T3¼	BA9s	10	32
754100	1850	5	0.09A	T3¼	BA9s	10	32
755165	1873	28	0.2A	T3¼	BA9s	10	32
752570	1889	14	0.27A	T3¼	BA9s	10	32
752640	2057NA	12.8/14	2.1/0.48A	S8	BAY15d	10	44
751365	2176	24	0.05A	T1¾	WL	10	52
755170	2232	28	0.643A	S8	BA15s	10	37
752670	3057	12.8/14	2.1/0.48A	S8	Mini Wedge	10	53
752673	3155K	12.8	1.44A	S8	Mini Wedge	10	53
752674	3156	12.8	2.1A	S8	Mini Wedge	10	53
752675	3157	12.8/14	2.1/0.59A	S8	Mini Wedge	10	53
756305	6022	5	0.02A	T1	WL	10	45
756320	6614F	14	0.05A	T2	SF6/6	10	54
755180	6839	28	0.024A	T1	SX4s	10	46
756360	8111	14	0.065A	T1	WL	10	45
755190	8362	14	0.08A	T1¾	E5	10	42
751485	A1H	110	1.2ma	T2	SX6s	10	55

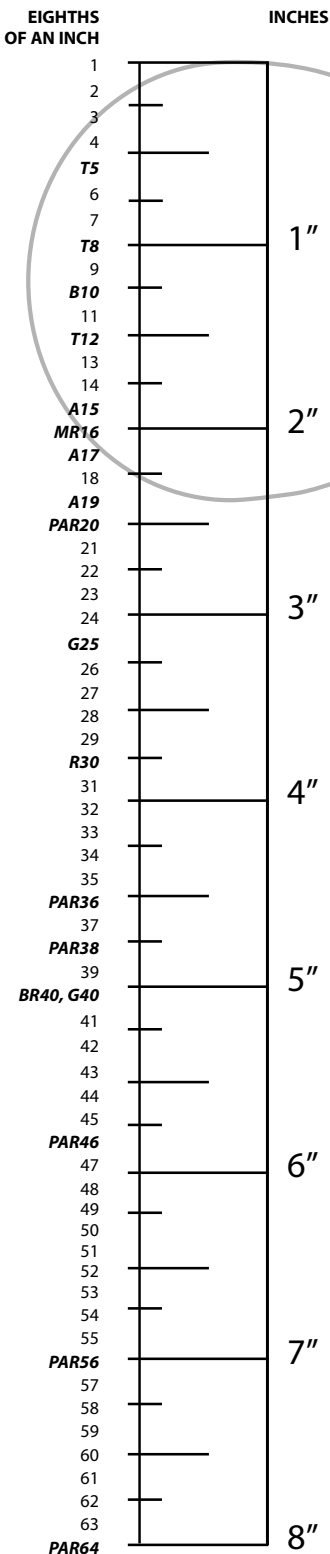
NOTE: VOLTS x AMPS = WATTS

All products are special order only and subject to a special order fee, minimum order quantities and are non-returnable.

Lamp Reference

Measuring Lamps

Lamp Size



Measuring Lamps

All lamps have a specific "bulb type" designation that describes the shape of the lamp and the size of the lamp (diameter). The designation is a two part code consisting of a letter and a number. The letter indicates the shape of the lamp and the number relates to the diameter of the lamp in eighths of an inch.

The reference ruler at left illustrates the most commonly used household lamp, an A19. The "A" indicates the shape (standard) and the diameter would be 2 7/8", which is "19" eighths of an inch.

Additional popular lamp designations are also indicated on the reference ruler. Here is a quick guide to shape abbreviations:

- | | |
|---|---|
| <ul style="list-style-type: none"> A – Arbitrary (Standard) PS – Pear Shape B/BA – Bulged, Bulged with angular tip C/CA – Conical, Candel shape with bent tip RP – Reflector, Pear shape S – Straight-sided shape (compare with CA and BA) ST – Spherical Tubular F – Flame | <ul style="list-style-type: none"> R – Reflector MR – Multi-Faceted Reflector BR – Bulbous Reflector G – Globe T – Tubular BT – Bulged Tubular E/ED – Elliptical, Elliptical with dimple in the crown AR – Aluminized Reflector PAR – Parabolic Aluminized Reflector |
|---|---|

All lamp types are available in a variety of technologies and therefore may vary in appearance. Maximum overall length (MOL) will also vary.

How to Read Ordering Codes

Ordering codes are designed to indicate lamp specifications such as wattage, technology, shape and finish. Use the examples below to understand how to read Bulbrite ordering codes.

Incandescent

- 40G25CL3**
 - 40 = Wattage
 - G25 = Globe (25 eighths of an inch or 3 1/8" diameter)
 - CL = Clear
 - 3 = Voltage (130V)
- 65BR30FL2/2P**
 - 65 = Wattage
 - BR30 = Bulbous Reflector (30 eighths of an inch, or 3 3/4" diameter)
 - FL = Flood
 - 2 = Voltage (120V)
 - 2P = 2-Pack
- 40EFC/3**
 - 40 = Wattage
 - E = E26 Base (Medium/Standard Base)
 - F = Flame
 - C = Clear
 - 3 = Voltage (130V)

Krypton/Xenon

- JC5XE/12**
 - JC = JC Bi-Pin
 - 5 = Wattage
 - XE = Xenon
 - 12 = Voltage (12V)
- KX40CL/E12**
 - KX = Krypton Xenon
 - 40 = Wattage
 - CL = Clear
 - E12 = E12 Base (Candelabra)

Halogen

- EXN/L**
 - EXN = ANSI code for 50W MR16 40° Flood
 - L = Lensed
- Q35CL/MC**
 - Q = Quartz Glass Shell
 - 35 = Wattage
 - CL = Clear
 - MC = Mini Candelabra Base
- H75PAR30NF3**
 - H = Halogen
 - 75 = Wattage
 - PAR30 = Parabolic Aluminum Reflector (30 eighths of an inch, or 3 3/4" diameter)
 - NF = Narrow Flood
 - 3 = Voltage (130V)

Compact Fluorescent

- CF13WW/GU24/DM**
 - CF = Compact Fluorescent
 - 13 = Wattage
 - WW = Warm White (DL = Daylight, SD = Soft Daylight)
 - GU24 = GU24 Twist and Lock Base
 - DM = Dimmable
- CF18T841/E**
 - CF = Compact Fluorescent
 - 18 = Wattage
 - T = Triple Tube
 - 8 = ≥ 80 CRI
 - 41 = Color Temperature (4100K)
 - E = Electronic 4-Pin

Fluorescent

- F32T8/835/HL**
 - F = Fluorescent
 - 32 = Wattage
 - T8 = Diameter of tube (8 eighths of an inch or 1")
 - 8 = ≥ 80 CRI
 - 35 = Color Temperature (3500K)
 - HL = High Lumen

HID

- MH24PAR38NFL/SB**
 - MH = Metal Halide
 - 24 = Wattage
 - PAR38 = Parabolic Aluminum Reflector (38 eighths of an inch)
 - NFL = Narrow Flood
 - SB = Self Ballasted
- M70/U/MED/O**
 - M = Metal Halide
 - 70 = Wattage
 - U = Universal Burn Position (V = Vertical, H = Horizontal)
 - MED = E26 Base (Medium/Standard Base)
 - O = Open Fixtures (or E = Enclosed)

Lamp Reference

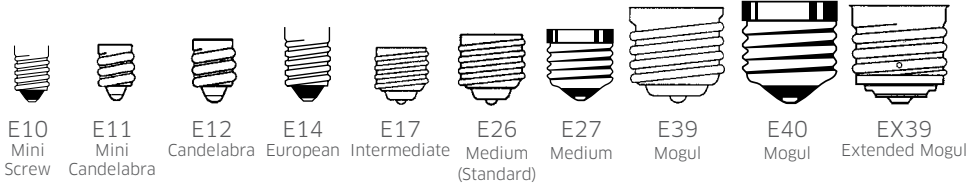
Bulb Types - Shapes & Sizes

<p>A SERIES</p> <p>A15 A17 A19 A20 A21 A23</p>	<p>PS SERIES</p> <p>PS25 PS35</p>	<p>B SERIES</p> <p>B8 B10 B11 B13</p>	<p>C SERIES</p> <p>C6 C7 C9 C11 C15</p>
<p>CA SERIES</p> <p>CA5 CA7 CA8 CA10 CA11</p>	<p>RP & S SERIES</p> <p>RP11 S6 S8 S11 S14 ST18</p>	<p>F SERIES</p> <p>F10 F15 F20</p>	<p>PRISM</p> <p>PRISM</p>
<p>R SERIES</p> <p>R12 R14 R16 R20 R25 R30 R40</p>	<p>MR SERIES</p> <p>MR8 MR11 MR16 MR20</p>	<p>BR SERIES</p> <p>BR25 BR30 BR38 BR40</p>	
<p>G SERIES</p> <p>G9 G11 G12 G16 G16 1/2 G19 G25 G30 G40</p>	<p>T SERIES</p> <p>T3 T4 T4 1/2 T5 T5 1/2 T6 T6 1/2 T7 T7 1/2 T8 T9 T10 T14 T20</p>		
<p>BT SERIES</p> <p>BT15 BT28 BT37 BT56</p>	<p>E SERIES</p> <p>E17 E18 E23 1/2 E23 E37 E25 ED17</p>	<p>ED SERIES</p> <p>ED18 ED23 ED23 1/2 ED28 ED37</p>	<p>AR SERIES</p> <p>AR70 AR111</p>
<p>PAR SERIES</p> <p>PAR14 PAR16 PAR20 PAR30 Short Neck PAR30 Long Neck PAR36 PAR38 PAR46 PAR56 PAR64</p>		<p>SPECIALTY</p> <p>JC Bi-Pin Wedge Festoon Rigid Loop</p>	
<p>LINESTRA</p> <p>T10</p>	<p>LINEAR FLUORESCENTS</p> <p>T2 T4 T5 T8 T12</p>	<p>COMPACT FLUORESCENT COILS</p> <p>T2 Coil T3 Coil T4 Coil</p>	<p>COMPACT FLUORESCENT PLUG IN LAMPS</p> <p>Twin Tube Triple Tube Quad Tube</p>

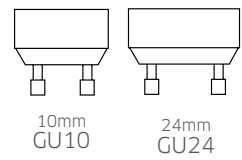
Lamp Reference

Bases & filaments

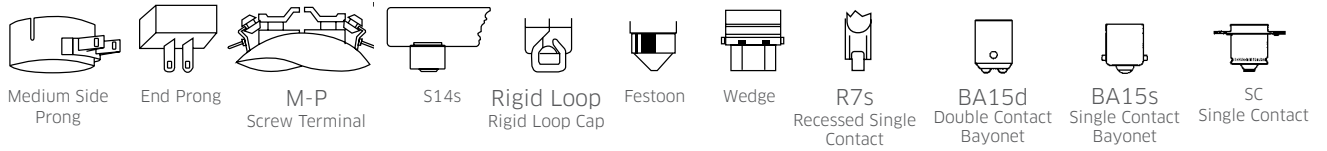
SCREW BASES



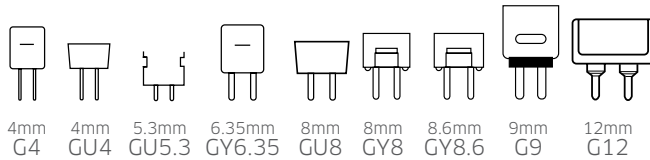
TWIST & LOCK BASES



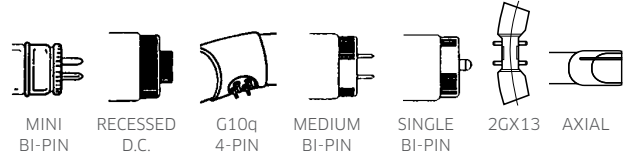
SPECIALTY BASES



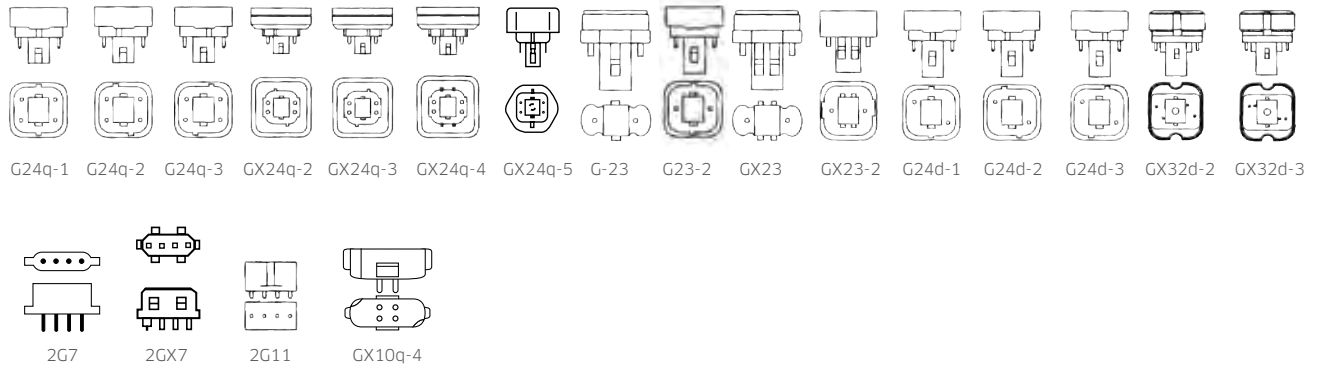
BI PIN BASES



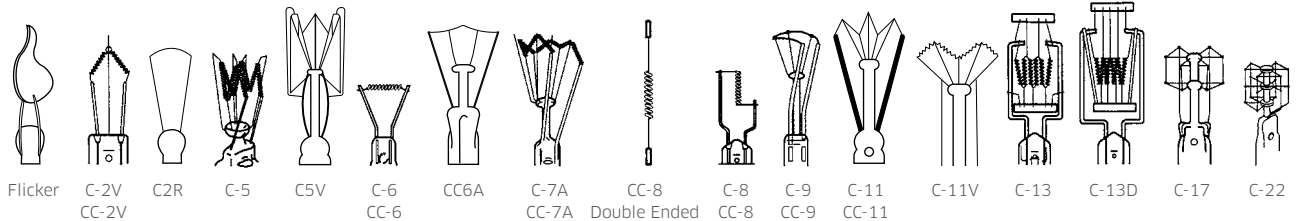
FLUORESCENT PIN BASES



COMPACT FLUORESCENT PLUG IN LAMP BASES



FILAMENTS



NOTE:

C (coiled) - Filament wire is wound into a helical coil or is deeply fluted.

CC (coiled coil) - Filament wire is wound into a helical coil and this coiled wire is wound again into a helical coil.

Lamp Reference

Characteristics of Light

A Guide to Lamp Brightness: Lumen Scale

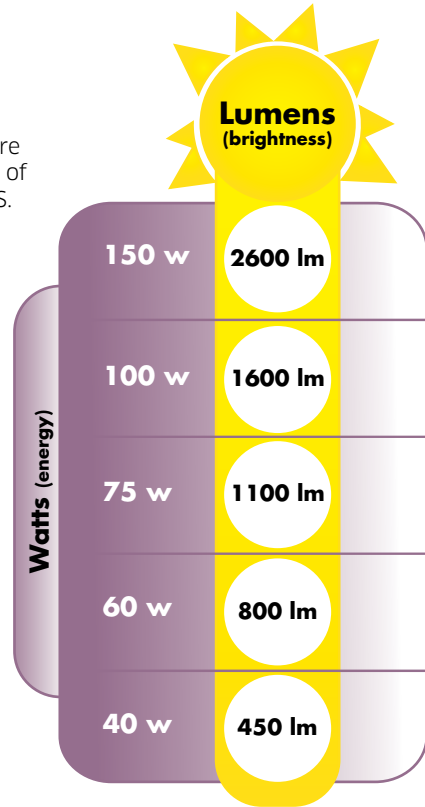
In the past, consumers have used wattage to rate the brightness of a lamp. However, wattage is not an accurate indicator of lamp brightness. Energy efficient light sources such as Compact Fluorescent Lamps (CFL) have much lower wattages while still producing a great amount of light. Wattage is simply a measure of the amount of energy consumed. Light output, on the other hand, is a measure of luminous flux or simply put, the brightness of the lamp. It is measured in LUMENS.

As more consumers become aware of this common misconception, lumens will become one of the most important factors in lamp selection.

So, if you're still asking WATT lamp you need, you're asking the wrong question. Just remember, more lumens = more light.

The guide at right shows typical LUMEN ratings for incandescent lamps.

Be sure to look at LUMENS on the Lighting Facts label on page 9.



Estimates base on typical incandescent bulbs

This chart shows the number of lumens produced by common incandescent bulbs.

Color Rendering Index

CRI, or Color Rendering Index (Ra), measures how well a given light source will render color. Scientists evaluate this by using 8 reference colors and comparing how they look under the light source to how those same colors appear under two reference sources: incandescent light (for warm color lamps) and daylight (for cool color lamps). CRI is represented by a number on a scale from 0 to 100 with 0 being "poor" and 100 being "excellent". The lower the number, the more distorted a color will look under the light source. As you can see in these two pictures, a light source has the ability to enhance or distort the colors of an object.



POOR CRI

GOOD CRI

Correlated Color Temperature: Warm or Cool

Color appearance, also known as Correlated Color Temperature (CCT), is a measure of how warm or cool a light source appears to the human eye. It is measured in degrees Kelvin.

The majority of light sources have a Kelvin temperature within the range of 2700K to 6500K. As a point of reference, daylight at noon has a Kelvin temperature of 5000K. Incandescent light sources typically range from 2700-3500K. Compact Fluorescents and LEDs can range from 2700-6500K. The higher the Kelvin temperature, the cooler the light source appears and the lower the Kelvin temperature, the warmer the light source appears.

COLOR TEMPERATURE	WARM WHITE	SOFT WHITE	NEUTRAL	COOL	SOFT DAYLIGHT	DAYLIGHT
KELVIN	2700K	3000K	3500K	4100K	5000K	6500K
MOOD & EFFECTS	FRIENDLY, PERSONAL, INTIMATE	SOFT, WARM, PLEASING LIGHT	FRIENDLY, INVITING, NON-THREATENING	NEAT, CLEAN, EFFICIENT	BRIGHT, ALERT	BRIGHT, COOL
APPLICATIONS	HOMES, LIBRARIES, RESTAURANTS	HOMES, HOTEL ROOMS, LOBBIES, RESTAURANTS, RETAIL STORES	EXECUTIVE OFFICES, PUBLIC RECEPTION AREAS, SUPERMARKETS	OFFICES, CLASSROOMS, MASS MERCHANDISERS, SHOWROOMS	GRAPHICS INDUSTRY, HOSPITALS	JEWELRY STORES, BEAUTY SALONS, GALLERIES, MUSEUMS, PRINTING

For more info, visit lightopedia.com

What You Need to Know About Lighting Facts Labels

The Federal Trade Commission (FTC) passed legislation to implement new Lighting Facts Labels on light bulb packaging. The new Lighting Facts Labels will be included on all light bulbs intended for general service purposes. These new labels will be featured on all packaging for standard base LEDs, CFLs and household incandescents.



Front Label:

The front of bulb packaging will tell you what you need to know.

Brightness 1600 lumens	Estimated Energy Cost \$2.77 per year
-------------------------------------	--

- How bright is this lamp?
- How much will it cost to operate?

How to read the Lighting Facts Labels:

Side or Back Label:

Lighting Facts Per Bulb	
Brightness	1600 lumens
Estimated Yearly Energy Cost \$2.77 Based on 3 hrs/day, 11¢/kWh Cost depends on rates and use	
Life	9.1 years Based on 3 hrs/day
Light Appearance	
Warm 2700 K Cool 	
Energy Used	23 watts
Contains Mercury (Hg) For more on clean up and safe disposal, visit epa.gov/cfl .	

BRIGHTNESS

If you're asking WATT lamp you need, you're asking the wrong question. Wattage is not what you should be considering when trying to determine how bright you want your bulb.

The brightness of a lamp is actually measured in LUMENS. Be sure to check out our lamp brightness guide on pg. 165.

Just remember, more lumens = more light.

ESTIMATED YEARLY ENERGY COST

This dollar amount will tell you how much it will cost to operate the bulb for one year, based on 3 hours a day of use and a rate of \$0.11 per kWh (kilowatt per hour). A kWh is the amount of power consumed over a period of one hour that you pay for on your electric bill. Although the FTC requires this calculation to use a rate of \$0.11 per kWh, electricity rates vary by region. Check with your power supply company to confirm the rates in your region.

LIFE

Based on 3 hours a day of use, the estimated life of the bulb is expressed in years.

ENERGY USED

The wattage lets you know how much electricity is consumed. Energy efficient light sources typically have higher lumens and lower wattages.

LIGHT APPEARANCE

This easy to read scale will tell you whether the light has a warmer or cooler tone. A warm white light will have a marker on the left end of the scale and cool daylight will have a marker closer to the right.

MORE INFORMATION

Bulbs that contain mercury will include a disclosure as well as a website that describes how you should dispose of the lamp (epa.gov/cfl). Energy Star qualifying products will have the Energy Star logo on the label.

If you are replacing a lamp but didn't keep the box, don't worry! The new law requires manufacturers to put brightness directly on the bulb, so be sure to look for LUMENS on the bulb itself.

For more information, visit www.bulbrite.com/lightingfacts

Glossary

A - Ef

AC (Alternating Current) - Electrical current in which the direction is reversed at regular intervals or cycles; in the U.S. the standard is 120 reversals or 60 cycles per second.

Accommodation - The involuntary muscular process by which the eye changes focus from one distance to another.

Adaptation - The involuntary process by which the visual system changes its sensitivity, depending on the luminances prevailing in the visual field. The process involves both the iris and the light sensitive cells of the retina.

Amperes (Amps) - A measure of electrical current. Amps = Watts (Power)/Volts (Voltage)

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

ANSI Codes - These are 3-letter codes assigned by the American National Standards Institute. They provide a system of assuring mechanical and electrical interchangeability among products from various manufacturers.

Argon - Inert gas used in incandescent and fluorescent lamp types. In incandescent light sources, argon retards evaporation of the filament.

Average Rated Life - An average rating, in hours, indicating when 50% of a large group of lamps have failed, when operated at nominal lamp voltage and current. Manufacturers use 3 hours per start for fluorescent lamps and 10 hours per start for HID lamps when performing lamp life testing procedures. The life of an LED is defined as the operating time in hours for the lamp to reach L70 which designates 70% lumen maintenance (or 30% reduction in initial light output). Every lamp type has a unique mortality curve that depicts its average rated life.

Ballast - The ballast is an auxiliary electrical device that performs two basic functions: 1) provides the starting voltage and 2) limits the current to sustain lamp operation. There are several types of ballasts including Instant Start, Programmed Start, Pulse Start and Rapid Start (see definitions).

Ballast Factor - The percentage of a lamp's rated lumen output that can be expected when operated on a specific, commercially available ballast. For example, a ballast with a ballast factor of 0.93 will result in the lamp's emitting 93% of its rated lumen output. A ballast with a lower BF results in less light output and also generally consumes less power.

Beam Angle - The beam angle defines the light pattern around the beam's central out to the angle where the luminous intensity (brightness) is half that of the maximum luminous intensity (CBCP - center beam candle power).

Burn Position - The position in which a lamp is designed to operate in; this applies mainly to High Intensity Discharge lamps.

Capacitor - Device in ballast that stores electrical energy. Often used for power factor correction and lamp regulation.

CE (Conformité Européene) - CE Marking on a product is a manufacturer's declaration that the product complies with the essential requirements of the relevant European health, safety and environmental protection legislations, in practice.

Candela (cd) - The measure of luminous intensity of a source in a given direction, regardless of distance.

Center Beam Candlepower (CBCP) - The luminous intensity at the center of the beam of a reflector lamp. Measured in candelas.

Chromaticity - Measure to identify the color of a light source, typically expressed as (x,y) coordinates on a chromaticity chart.

Color Corrected - Refers to a lamp with a special phosphor or coating to give it a color rendering profile similar to natural daylight.

Color Rendering Index (CRI) - A lamp's ability to render an object's true colors based on a scale of 100.

Correlated Color Temperature (CCT) - A numerical measurement of the color appearance of a light source measured in degrees Kelvin (K). It also refers to the way color groups are perceived (psychological impact of lighting). A low color temperature implies warmer color (more yellow/red) light while high color temperature implies a cooler light (more blue).

Current - A measure of the rate of flow of electricity, expressed in amperes (A).

DC (Direct Current) - A type of electrical current and distribution by which electricity flows in one direction through the conductor. Battery operated systems are typical DC applications.

Dichroic Reflector - A reflector (or filter) that reflects the visible light region of the spectrum while allowing the other region(s) (heat) to pass through the back of the lamp. A reflector lamp with a dichroic reflector will have a "cool beam" since most of the heat has been removed.

Discharge Lamp - A light source that produces light by passing a current between electrodes through a vapor or gas. Includes fluorescent and high intensity discharge lamps.

Department of Energy - Governmental department whose mission is to advance energy technology and promote related innovation in the United States. www.energy.gov

Driver - A self-contained power supply that has outputs which match the electrical characteristics of the lamp. It is similar to a ballast and is used to power illumination sources.

Efficacy - A measurement of how effective a light source is in converting electrical energy to lumens of visible light. Expressed in lumens-per-watt (LPW) this measure gives more weight to the yellow region of the spectrum and less weight to the blue and red region where the eye is not as sensitive.

Efficiency - The efficiency of a light source is simply the fraction of electrical energy converted to light, i.e. watts of visible light produced for each watt of electrical power

Glossary

El - Ke

with no concern about the wavelength where the energy is being radiated. For example, a 100 watt incandescent lamp converts 7% of the electrical energy into light; discharge lamps convert 25% to 40% into light. The efficiency of a luminaire or fixture is the percentage of the lamp lumens that actually comes out of the fixture.

Electrical Testing Laboratory (ETL) - Independent testing laboratory that performs ballast tests and certifies accuracy of performance data.

Electromagnetic Spectrum - A continuum of electric and magnetic radiation that is characterized by wavelength or frequency. Visible light encompasses a small part of the electromagnetic spectrum in the region from about 380 nanometers (violet) to 770 nanometers (red) by wavelength.

Enclosed Fixture Rated - See Open Fixture Rated.

Environmental Protection Agency - The mission of EPA is to protect human health and the environment. The EPA implements environmental laws written by Congress through the development of regulations and their enforcement. www.epa.gov

Energy Independence and Security Act (EISA) 2007 - The Energy Independence and Security Act of 2007 was signed into law on December 19, 2007. The act builds on the progress made by the Energy Policy Act of 2005 (EPAc) in setting out a comprehensive energy strategy for the 21st century. This act is a major step toward reducing our dependence on oil thereby increasing our energy security and making our country cleaner for future generations. An update was issued in 2009 for Incandescent Reflector Lamps and General Service Fluorescent Lamps. www.bulbrite.com/EISA

Energy Star - ENERGY STAR is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy promoting money savings and the protection of the environment through the use of energy efficient products and practices. www.energystar.gov

Energy Policy Act (EPAc) - Energy legislation passed by Congress in 1992 and updated again in 2005, mandating labeling and minimum energy efficiency requirements for many commonly used incandescent and fluorescent lamps. Please note, the Energy Independence and Security Act of 2007 (EISA 2007) and Executive Order (E.O.) 13423 have been issued subsequent to the passage of EPAc 2005. See Energy Independence and Security Act (EISA) 2007.

Federal Communications Commission (FCC) - The U. S. Federal agency that regulates emissions in the radio frequency portion of the electromagnetic spectrum. Part 18 of the FCC rules specifies electromagnetic interference (EMI) from lighting devices operating at frequencies greater than 9 kilohertz (kHz). Typical electronically-ballasted compact fluorescent lamps operate in the 24 - 100 kHz frequency range.

Field Angle - The angular dimension of the cone of light from reflectorized lamps (such as R and PAR types) encompassing the central part of the beam out to the angle where the intensity is 10% of maximum. See Beam Angle.

Filament - Wire used in incandescent lamps, usually made of tungsten and often coiled, that emits light when heated by an electrical current.

Footcandle (fc) - The unit of measure for the density of light on a surface. One footcandle is equal to one lumen per square foot (lm/ft²). One footcandle = 10.674 lux.

Glare - Glare is an interference with visual perception caused by an uncomfortably bright light source or reflection within one's field of view; a form of visual noise.

Halogen - A group of inert gases, particularly Bromine, which is used to reduce the amount of tungsten that plates the interior wall of the lamp. At high temperatures, the halogen reacts with the tungsten to form tungsten bromide freeing tungsten from the wall and redepositing it onto the filament.

Halogen Cycle - A regenerative cycle of tungsten and halogen atoms, which prevents blackening of the lamp envelope during the life of the lamp. See Halogen.

High Lumen - Lamps that operate with higher lumens (brightness) than the standard model.

High Output Fluorescent (HO) - Fluorescent lamps designed to be used with an 800 milliampere ballast. These lamps are able to operate at low temperatures (down to 0oF) and still produce high light levels.

Illuminance - The total density of visible light—from all directions—illuminating, falling on or incident to, a surface; one lumen per square foot equals one footcandle (lm/ft²), while one lumen per square meter equals one lux (lm/m²).

Initial Lumens - The measured luminous output of a new light source.

Instant Start - A type of fluorescent lamp-ballast circuit designed to start fluorescent lamps as soon as the power is applied. Originally, instant-start circuits were developed to eliminate separate mechanical starter devices.

Integrated Circuit (IC) - IC-based CFLs operate by controlling the voltage and current by adjusting the output frequency which provides stable operation of the CFL. Controlling the current produces less stress on the cathode and the electronic components, which results in long life, smoother dimming, and less noise.

International Dark Sky Association (IDA) - IDA is the recognized authority on light pollution. Founded in 1988, IDA is the first organization to call attention to the hazards of light pollution. www.darksky.org

IP65 - The protection of enclosures against ingress of dirt or against the ingress of water is defined in IEC529 (BSEN60529:1991). The first digit in the rating is the protection against contact and foreign bodies. The second digit in the rating is the water protection factor. IP65 indicates a lamp is totally protected against dust and protected against low pressure jets if water from all directions - limited ingress permitted.

Kelvin - The Kelvin unit is the basis of all temperature measurement. In lighting, Kelvin is the unit of measure for color temperature used to indicate the overall color

Glossary

Ki - Po

of the light produced from a source. See correlated color temperature.

Kilowatt (kW) - The measure of electrical power equal to 1000 watts.

Kilowatt Hour (kWh) - The measure of electrical energy from which electricity billing is determined. For example, at the rate of \$0.11 per kWh, a 100 watt lamp operating for 1000 hours will cost \$11.00 ($100 \times 1000/1000 = 100 \text{ kWh} \times .11 = \11.00)

Krypton - A noble gas used in lamps, typically Krypton lamps offer brighter, whiter light than standard incandescent.

Lamp - The lighting industry term for a complete light source package, typically referred to by consumers as a "bulb".

Light Center Length (LCL) - The distance between the center of the filament, or arc tube, and a reference plane – usually the bottom of the lamp base.

Light - Radiant energy that stimulates the sense of sight. The "visible" part of the electromagnetic spectrum from 380–770 nm. Light is the energy which allows us to see.

Light Pollution - Light that is directed to areas where it is not needed, and thereby interferes with some visual act. Light pollution directed or reflected into the sky creates a "dome" of wasted light and makes it difficult to see stars above cities.

Light Trespass (Spill Light) - Light that is not aimed properly or shielded effectively can spill out at into areas that don't want it: it can be directed towards drivers, pedestrians or neighbors. It is distracting and can be disabling.

Line Voltage - See voltage.

Lumen (lm) - A measure of luminous flux or quantity of light emitted by a source.

Lumen Depreciation - The gradual decline in light output from a light source over time due to filament deterioration and bulb darkening.

Lumen Maintenance - A measurement of how a lamp maintains its light output over time.

Lumens Per Watt (LPW) - A measure of the efficacy (efficiency) of a light source. The number is achieved by dividing lumens produced by watts consumed.

Luminaire - A complete lighting unit consisting of a lamp (or lamps), ballast (or ballasts) as required to distribute the light, position and protect the lamps and connect them to the power supply. A luminaire is often referred to as a fixture.

Luminance - A photometric measure of "brightness" of a surface as seen by the observer, measured in candelas per square meter. (cd/m^2)

Luminous Efficacy - The light output (lumens) of a light source divided by the total power input (watts) to that source. It is expressed in lumens per watt.

Lux (lx) - A unit of illuminance or light falling onto a surface. One lux is equal to one lumen per square meter. Ten lux is approximately one footcandle.

Lighting Facts Label - The Federal Trade Commission (FTC) mandated a new lighting facts label which will be included on all bulbs intended for general service purposes. Packaging for standard base LEDs, CFLs and your household incandescents will show this new two part label over the next few months leading up to the effective date for this new ruling of January 1st, 2012. www.bulbrite.com/lightingfacts

Maximum Overall Length (M.O.L.) - The end-to-end measurement of a lamp, expressed in inches or millimeters.

Mean Lumens - The measured luminous output of a light source at: 40% of lamp life for fluorescent and metal halide lamps and 50% of lamp life for mercury, high-pressure sodium and incandescent lamps.

Maximum of Diameter (M.O.D.) - The measurement of a lamp's diameter, expressed in inches or millimeters.

Mercury - Metallic chemical element, chemical symbol Hg, atomic number 80. Mercury is the only elemental metal that is liquid at ordinary temperatures, with a freezing point of -38°F (-39°C) and a boiling point of 674°F (356.9°C). It is used in Compact Fluorescent, Fluorescent and HID lamps.

Modified Spectrum - Light sources that utilize neodymium glass or coating (composed of rare earth elements) to simulate true daylight. This special glass or coating filters out the yellow light produced by standard incandescent lamps.

Nanometer - A unit of wavelength equal to one billionth of a meter.

Neodymium - A rare earth element used to produce modified spectrum (full spectrum) incandescent lamps; also known as daylight or natural light. They use a colored glass shell to filter out the yellow light produced by standard incandescent lamps.

Nominal Length - A measurement for Fluorescent lamp length based on the length of the lamp plus an allowance for the luminaire's lamp holders.

Open Fixture Rated - Lamps that are approved for burning in open fixtures (as opposed to enclosed fixtures which have an acrylic lens or plate glass enclosure).

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

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

Photometry - The measurement of light and related quantities.

Power Factor (PF) - Measurement of the relationship between the AC source voltage and current. Power

Glossary

Pr - Z

factors can range from 0 to 1.0, with 1.0 being ideal. Power factor is sometimes expressed as a percent. Incandescent lamps have power factors close to 1.0 because they are simple “resistive” loads. The power factor of a fluorescent and HID lamp system is determined by the ballast used. “High” power factor usually means a rating of 0.9 or greater.

Pre-heat Lamp - A fluorescent lamp in which the filament must be heated by use of a starter before the arc is created. These lamps are typically operated with electromagnetic ballasts.

Programmed Rapid Start - A fluorescent lamp-ballast circuit that uses a custom integrated circuit (IC), which monitors lamp and ballast conditions to ensure optimal system lighting performance. PS ballasts heat the lamp cathodes to 700oC prior to lamp ignition. This puts the least amount of stress on the lamp electrodes, resulting in maximum lamp life regardless of the number of lamp starts. Programmed-start ballasts are typically wired in series.

Pulse Start - A fluorescent lamp-ballast circuit that is designed with an ignitor to ignite the arc tube. Due to this, bulbs have no need for the starter electrode. Pulse start lamps are typically more efficient than standard counterparts.

Rapid Start - A fluorescent lamp-ballast circuit which utilized continuous cathode heating, while the system is energized, to start and maintain lamp light output at efficient levels. Rapid start ballasts may be either electromagnetic, electronic or of hybrid designs. Full-range fluorescent lamp dimming is only possible with rapid start systems.

Rated Lamp Life - The length of time of a statistically large sample between first use and the point when 50% of lamps died (no longer operating).

RoHS - RoHS, a European directive, stands for the Restriction on hazardous Substances. RoHS is a regulation for the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Self-Ballasted Lamps - A discharge lamp with an integral ballasting device allowing the lamp to be directly connected to a socket providing line voltage.

Spectral Power Distribution (SPD) - A graph of the radiant power emitted by a light source as a function of wavelength. SPDs provide a visual profile or “finger print” of the color characteristics of the source throughout the visible part of the spectrum.

Starter - An electronic module or device used to assist in starting a discharge lamp, typically by providing a high-voltage surge.

Starting Temperature (Minimum) - The minimum ambient temperature at which the lamp will start reliably.

Task Lighting - Lighting designed for a specific visible operation (task) which requires higher light levels; requirements vary according to the proximity to that task and the level of detail involved.

Total Harmonic Distortion (THD) - A measure of the distortion of the input current on alternating current (AC) power systems caused by higher order harmonics

of the fundamental frequency (60Hz in North America). THD is expressed in percent and may refer to individual electrical loads (such as ballast) or a total electrical circuit or system in a building. ANSI C82.77 recommends THD not exceed 32% for individual commercial electronic ballasts, although some electrical utilities may require lower THDs on some systems. Excessive THDs on electrical systems can cause efficiency losses as well as overheating and deterioration of system components.

Toxicity Characteristic Leaching Procedure (TCLP) - The Toxicity Characteristic Leaching Procedure (TCLP) test, specified in the Resource Conservation and Recovery Act (RCRA) of 1990, is used to characterize fluorescent lamp waste as hazardous or nonhazardous for the purpose of disposal. The TCLP test measures the ability of the mercury and/or lead in a lamp to leach from a landfill into groundwater.

Transformer - An electrical device by which the alternating current of one voltage is changed (stepped up or down) to another voltage.

Tri-Phosphor - Fluorescent lamps that utilize red, green, and blue phosphor compounds that glow to produce light similar in color rendering to regular illumination.

Tungsten - A hard, brittle, corrosion-resistant, gray to white metallic element extracted from wolframite, scheelite, and other minerals, having the highest melting point and lowest vapor pressure of any metal. Tungsten and its alloys are used in high-temperature structural materials; notably lamp filaments.

TUV Rheinland - An international service group, TUV Rheinland documents the safety and quality of new and existing products, systems and services. www.tuv.com

Ultraviolet (UV) Radiation - Radiant energy in the range of about 100-380 nanometers (nm). For practical applications, the UV band is broken down further as follows:

- Ozone-producing – 180-220 nm
- Bactericidal (germicidal) – 220-300
- Erythema (skin reddening) – 280-320
- “Black” light – 320-400

The International Commission on Illumination (CIE) defines the UV band as UV-A (315-400 nm); UV-B (280-315 nm) and UV-C (100-280 nm).

Underwriter’s Laboratory (UL) - A private organization which tests and lists electrical (and other) equipment for electrical and fire safety according to recognized UL and other standards. A UL listing is not an indication of overall performance. Lamps are not UL listed except for compact fluorescent and LED lamp assemblies - those with screw bases and built-in ballasts.

Voltage - A measurement of the electromotive force in an electrical circuit or device expressed in volts. Line voltage in the USA is 120V.

Watt - A unit of electrical power. Lamps are rated in watts to indicate the rate at which they consume energy.

Xenon - A noble gas used in lamps, typically Xenon lamps offer brighter, whiter light than standard incandescent.

For the LED Glossary, see Bulbrite’s LED Catalog.

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473260	99	494140	30	509114	109	517210	127	524007	118	524433	118	601151	77
473261	99	495025	32	509119	109	517211	127	524009	118	524622	119	601152	77
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480025	29	496025	32	509206	109	517230	127	524019	118	524628	119	601251	77
480040	29	496040	32	509416	109	517231	127	524023	118	528032	130	610032	77
480060	29	498040	32	509512	109	517232	127	524025	118	528128	130	610035	77
480125	52	501008	126	509533	111	517260	127	524027	118	528132	130	610050	77
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481025	29	501108	126	509640	111	517281	127	524053	118	528532	130	610101	77
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484060	31	502116	132	509813	110	519212	129	524138	119	528825	130	613035	74
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486025	32	504512	122	511213	114	519242	129	524148	119	528932	130	613072	74
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489040	32	504527	122	511614	114	519351	129	524226	120	585020	128	613152	74
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490115	28	504545	122	511628	114	519391	129	524238	120	585112	128	614076	76
490125	28	504546	122	512010	112	519392	129	524243	120	585116	128	614101	76
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616072	71	636150	79	641513	81	648120	78	661100	141	674421	93	683612	94
616129	71	637120	82	641515	81	649120	78	661101	141	674422	93	683613	94
616143	71	637150	82	641523	81	649220	78	661150	141	674451	93	683752	91
616153	71	637250	82	641525	81	650005	72	661155	141	675020	93	683753	91
616172	71	637320	82	641533	81	650010	72	661250	141	675050	93	683754	91
616243	62	637350	82	641535	81	650011	72	661400	141	675075	93	683756	91
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616272	62	637550	82	642025	78	650021	72	663070	138	681435	85	683758	91
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616353	62	638050	83	642065	78	650035	72	663150	138	681660	86	683903	91
616372	62	638051	83	642120	78	650036	72	663174	140	681661	86	683904	91
616443	71	638200	83	642122	78	650037	72	663175	140	681663	86	683906	91
616472	71	638201	83	642135	78	650050	72	663176	140	681675	86	683907	91
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616572	71	638221	83	642220	78	650052	72	663252	139	682033	86	684451	90
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636120	79	641450	79	648020	78	661051	141	674351	94	683508	91	702607	57

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702610	57	707501	60	712356	46	715535	103	751115	156	752670	157	762090	155
702707	57	707502	60	712416	47	715545	103	751125	156	752673	157	762185	155
702710	57	707503	60	712424	47	715603	104	751155	156	752674	157	762210	155
702807	57	708106	59	714025	35	715604	104	751225	156	752675	157	762220	155
702810	57	708115	59	714125	35	715605	104	751230	156	753005	156	762235	155
702817	57	709007	56	714725	66	715606	104	751240	156	753010	156	762270	155
702840	58	709009	56	715001	59	715610	104	751250	156	754010	155	762280	155
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705175	61	709707	56	715236	102	716310	45	752220	156	756245	157	810052	149
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707212	60	711065	62	715503	103	750604	155	752420	157	761050	155		
707222	60	711066	62	715505	103	750606	155	752430	157	761070	155		
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707322	60	712314	46	715515	103	750617	155	752530	34	761155	155		
707415	59	712331	46	715517	103	751035	155	752531	66	761160	155		
707420	60	712334	46	715518	103	751045	155	752555	157	762010	155		
707440	60	712336	46	715519	103	751060	155	752570	157	762035	155		
707441	60	712351	46	715533	103	751090	155	752640	157	762075	155		

Warranty

STANDARD WARRANTY TERMS AND CONDITIONS

Bulbrite is a leading manufacturer and supplier of innovative, energy-efficient light source solutions.

Committed to its customers' success for 40 years, Bulbrite is committed to providing innovative, high quality products, educating customers and consumers and delivering outstanding service. Bulbrite ensures the integrity of our full line of innovative, high performance and superior quality products by maintaining a high level of integrity in our product inspection process by implementing multiple check points throughout the manufacturing process and with our in-house state-of-the-art testing lab.

Bulbrite warrants its products to perform according to specifications and are free from defects in material, workmanship and title and to operate from the date of invoice (or date of manufacture if invoice date is not known or available) for the time periods specified for covered products and subject to the Terms and Conditions.

CFL 2 YEAR LIMITED WARRANTY

Bulbrite offers a 2 year limited warranty on compact fluorescent products (based on an average household use of 3 hours per day).

If a covered product fails within the specified warranty period, please contact:
Bulbrite Industries, Inc., 145 W. Commercial Avenue, Moonachie, NJ 07074, 800.528.5555, info@bulbrite.com

Bulbrite reserves the right to examine all failed lamps and/or ballasts and reserves the right to be the sole judge as to whether any lamps and/or Bulbrite lighting products are defective and covered under this warranty. This product will be credited, repaired or replaced at Bulbrite's option and associated labor costs will not be covered. This warranty will not apply in the event of conditions demonstrating abnormal use or stress, improper storage or improper installation. The warranty is void if the product is not used for the intention which it was manufactured.

For additional warranty information visit bulbrite.com

LIMITATION OF LIABILITY

THE FOREGOING WARRANTY CONSTITUTES BULBRITE'S EXCLUSIVE LIABILITY AND THE EXCLUSIVE REMEDY TO A CUSTOMER FOR ANY BREACH OF OR ANY OTHER NONCONFORMITY OF THE PRODUCTS COVERED BY THIS WARRANTY. THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES. BULBRITE MAKES NO WARRANTY, EXPRESSED OR IMPLIED OR STATUTORY, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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